

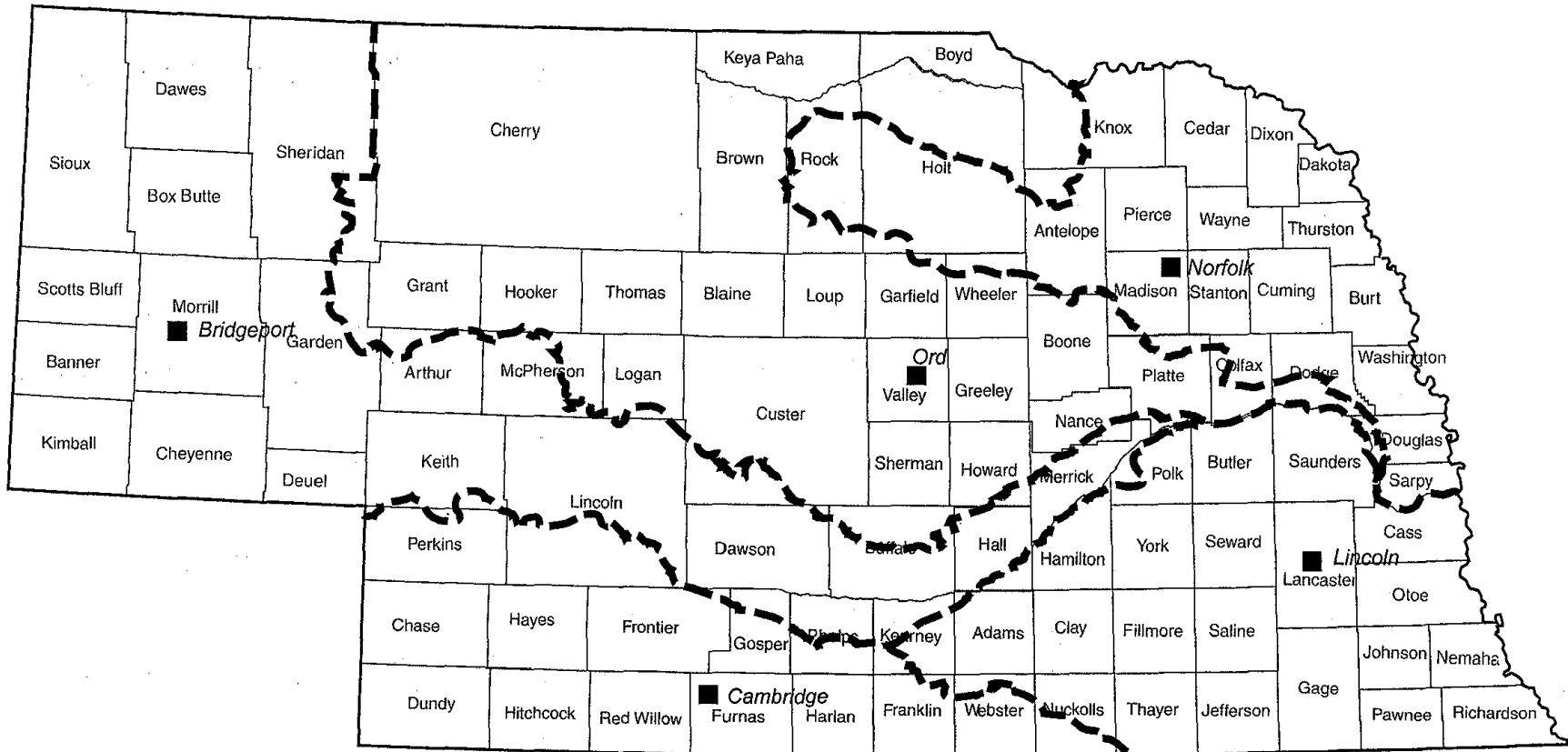
**STATE OF NEBRASKA**

**DEPARTMENT OF NATURAL  
RESOURCES**

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

**2008**

**Prepared Under the Direction of Brian Dunnigan, Director  
Department of Natural Resources**



# Nebraska Department of Natural Resources Field Office Boundaries Map

*NDNR is dedicated to the sustainable use and proper management of the State's natural resources*

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**Surface Water Administration Boundaries**

Nebraska Department of Natural Resources  
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September 2008

*tlc. 9.08.ai*

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# HYDROGRAPHIC REPORT

2008

## INTRODUCTION and EXPLANATION OF DATA

Most stream gaging data in Nebraska are published in the Nebraska Department of Natural Resource's Hydrographic Report and the Water Resources Data for Nebraska compiled by the U. S. Geological Survey.

The Water Resources Data for Nebraska, an online publication by the U. S. Geological Survey, includes stream and river data for gaging stations operated by the U. S. Geological Survey and its cooperators, including the Department of Natural Resources. Information can be obtained by contacting the Director, U. S. Geological Survey, Nebraska Water Science Center, 5231 South 19<sup>th</sup> Street, Lincoln, Nebraska 68512-1271. These data are not published in this report.

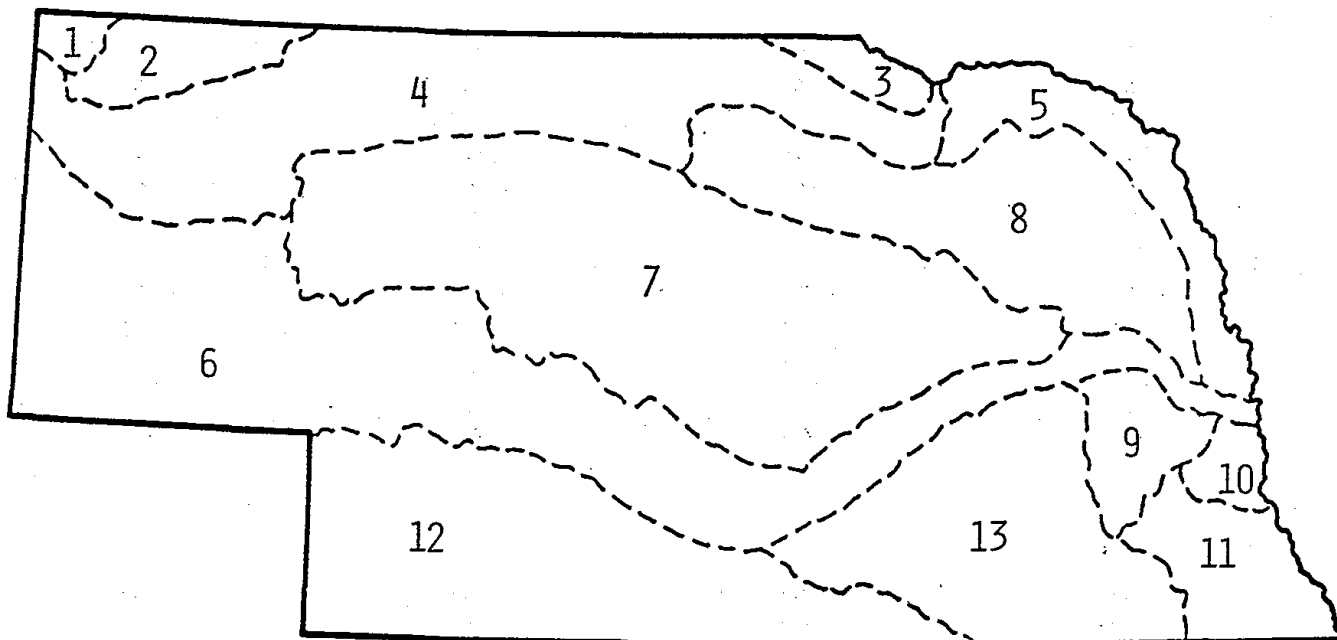
The Hydrographic Report for water year 2008 provides a record of stream flow, reservoir storage, and diversions for irrigation and power in Nebraska for gages operated by the Nebraska Department of Natural Resources according to statutory authority granted under Statutes 61-208, 61-209, 61-211, 46-227, 46-256, and 46-261. This report also includes some records for gages operated by agencies other than the Department of Natural Resources and U.S. Geological Survey. These sites and the operating agency are identified in the station headings. Stations are listed in order from upstream to downstream (downstream order) according to the river basin map on the next page. Multiple gages on a canal system are also in downstream order on the canal. The data presented include mean daily discharges for streams and canals and both daily and monthly reservoir storage values. Instantaneous and daily discharge values are expressed in cubic feet per second (cfs), monthly and annual totals are cubic foot per second-days (cfs-days) and acre-feet. Reservoir storage values are in acre-feet. Zero means there is no flow, a blank indicates no record was made. An "e" next to a daily record indicates an estimated value. Estimated values usually result from either a poor stage-discharge relationship due to a backwater condition or a missing or poor gage height record. Headings describe the period of record, type of gage and locations of gage sites by legal coordinates of Section, Township, and Range, East or West of the 6th Principal Meridian. The "Remarks" section for stations operated year round includes a statement on the accuracy of daily records. U.S. Geological Survey criteria are adopted for these accuracy ratings: If 95 percent of daily discharges are within 5 percent of true values the record is rated "excellent," if they are within 10 percent, the rating is "good," within 15 percent is "fair," and less than 15 percent is "poor."

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 Hydrographic Report is available on the internet at the department's web page address [www.dnr.ne.gov](http://www.dnr.ne.gov). Copies of the Hydrographic Report can be obtained by contacting the Nebraska Department of Natural Resources, PO Box 94676, Lincoln, Nebraska 68509-4676 or by E-mail [guy.lindeman@nebraska.gov](mailto:guy.lindeman@nebraska.gov). Questions or comments can be directed to Guy H. Lindeman at this address or call (402) 471-2363.

Gage records from this and previous years publications are also provided on the Nebraska Department of Natural Resources' computerized Data Bank. This information can be obtained on the internet at the Department of Natural Resources web page address [www.dnr.ne.gov](http://www.dnr.ne.gov) or by contacting the Data Bank , Nebraska Department of Natural Resources, PO Box 94676, Lincoln, Nebraska 68509-4676. For E-mail requests, use [gayle.follmer@nebraska.gov](mailto:gayle.follmer@nebraska.gov).



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

# WHITE RIVER BASIN

**WHITE RIVER at Crawford, 06444000**

LOCATION.--SE1/4SW1/4 Sec. 3-31-52 W., Dawes County, Lat. 42° 41' 12", Long. 103° 25' 02", on right bank 15 feet downstream from bridge in city park at Crawford.

DRAINAGE AREA.--313 square miles.

GAGE.--Continuous stage recorder. Gage datum is 3,659.85 feet National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--Feb. 1931 to Sep. 1943, Oct. 1947 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 13,300 cubic feet per second May 10, 1991, gage height 16.32 feet from flood mark. Discharge calculated by indirect method from road overflow and contracted bridge opening. Minimum daily discharge 0.29 cubic feet per second August 31, and September 2, 2007.

EXTREMES FOR CURRENT YEAR.--Peak discharge 125 cubic feet per second July 23, gage height 3.85 feet; minimum daily discharge 5.8 cubic feet per second August 3.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	11	17	19	28	19	26	23	26	24	15	7.9	11
2	11	17	20	33	19	26	23	28	23	16	6.2	15
3	11	17	19	22	19	24	23	25	26	19	5.8	12
4	10	17	20	22	19	24	23	30	24	18	6.3	12
5	12	17	20	24	18	25	23	28	29	15	11	16
6	12	17	19	26	15	23	23	26	29	15	11	17
7	13	17	19	25	12	24	22	25	24	15	12	16
8	13	18	19	24	14	25	22	35	24	14	9.6	21
9	13	18	19	22	13	25	22	28	23	15	10	18
10	13	18	20e	22	13	24	24	28	22	14	10	16
11	13	18	20e	22	19	24	26	28	21	12	11	15
12	13	18	20e	22	21	24	27	25	20	9.8	9.1	16
13	15	18	20e	22	21	24	24	23	20	8.8	7.7	18
14	20	17	20e	22	20	24	24	23	19	7.8	8.7	15
15	18	17	20e	22	20	24	23	23	19	7.3	14	14
16	15	17	20e	24	22	24	22	23	21	7.1	19	12
17	14	18	20e	40	23	24	23	23	21	7.0	16	12
18	15	18	20e	38	23	24	22	21	20	7.1	14	11
19	14	18	20e	38	23	23	22	21	22	7.0	14	12
20	14	18	19e	38	24	24	22	21	21	6.8	13	12
21	16	18	19e	38	22	24	21	21	20	12	12	12
22	15	18	19e	39	23	24	22	21	19	17	9.5	13
23	14	19	19e	39	25	24	22	23	19	48	8.7	14
24	14	19	19e	39	25	24	25	36	19	19	9.2	11
25	15	19	19e	39	25	22	23	27	18	20	9.5	11
26	15	18	19e	39	24	22	22	24	18	17	9.2	9.8
27	16	18	19e	38	24	22	21	29	18	14	8.5	10
28	16	19	19e	29	26	22	22	26	17	13	9.1	11
29	16	18	19e	25	26	23	21	25	17	12	9.6	12
30	17	18	19e	23	---	23	21	23	16	11	9.2	13
31	17	---	20	19	---	23	---	24	---	10	8.3	---
TOTAL	441	534	603	903	597	738	683	789	633	429.7	319.1	407.8
MEAN	14.3	17.7	19.4	29.2	20.6	23.8	22.6	25.4	21.1	13.8	10.3	13.5
MAX	20	19	20	40	26	26	27	36	29	48	19	21
MIN	10	17	19	19	12	22	21	21	16	6.8	5.8	9.8
AC-FT	875	1059	1196	1791	1184	1464	1355	1565	1256	852	633	809
CAL YEAR 2007	TOTAL		5939	MEAN	16.3	MAX	30.0	MIN	0.29	AC-FT	11780	
WTR YEAR 2008	TOTAL		7078	MEAN	19.3	MAX	48.0	MIN	5.8	AC-FT	14040	

e indicates estimated discharge.

## WHITE RIVER BASIN

## WHITNEY RESERVOIR from White River, 00410000

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

STORAGE ( ACFT ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	3120	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	5695
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	7682	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	10540	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	7310	---	---

# NIOBRARA RIVER BASIN

## NIOBRARA RIVER at Wyoming-Nebraska State Line, 06454000

LOCATION.--NEL/4NE1/4 Sec. 19-31-57 W., Sioux County, Nebraska, Lat. 42° 39' 10", Long. 104° 03' 07", on right bank 1 mile downstream from Van Tassel Creek on county road, 0.1 mile downstream from Wyoming-Nebraska State Line, and 2 miles east of Van Tassel, WY.

DRAINAGE AREA.--Approximately 455 square miles.

GAGE.--Continuous stage recorder. Gage datum is 4,682.70 feet National Geodetic Vertical Datum of 1929. Present gage moved 3/4 mile downstream September 17, 1996. Datum at previous gage location was 4,687.70 feet. Discharge at present site about one cubic foot per second greater than at old site.

PERIOD OF RECORD.--1955 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994. Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 2,120 cubic feet per second August 16, 1977, gage height 8.28 feet; minimum daily discharge 0.54 cubic feet per second August 9, 1975.

EXTREMES FOR CURRENT YEAR.--Peak discharge 18 cubic feet per second estimated May 3, gage height 4.80 feet; minimum daily discharge 1.1 cubic feet per second August 28.

### DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.6	2.6	1.8e	1.4	2.0e	4.2	3.6	5.0e	2.7	2.1	1.7	1.4
2	1.6	2.6	1.8e	2.5	2.0e	4.2	3.8	6.9e	2.9	2.5	1.6	1.5
3	1.6	2.6	1.8e	2.1	2.0e	3.0	4.1	6.9e	2.8	2.8	1.5	1.3
4	1.7	2.7	1.8e	2.7	2.0e	3.1	3.6	4.6e	3.3	2.7	1.7	1.5
5	1.8	2.7	1.8e	2.9	3.0e	3.0	3.4	4.6e	4.9	2.4	2.6	1.5
6	1.9	2.5	1.9e	1.9	3.0e	2.7	3.0	4.6e	4.7	2.3	2.2	1.6
7	1.9	2.5	1.9e	1.6	3.0e	2.9	2.9	4.5e	3.3	2.3	1.8	1.7
8	1.9	2.6	1.9e	1.7	3.0e	3.2	3.0	4.4e	3.1	2.3	1.7	2.5
9	1.9	2.7	1.9e	2.0	3.0e	3.2	2.9	4.3e	2.8	2.3	1.7	2.1
10	2.0	2.8	1.9e	2.0	3.0e	3.0	3.0	4.1e	2.7	2.3	1.6	1.9
11	2.0	2.8	1.9e	2.1	3.0e	3.1	3.6	4.1e	2.4	2.2	1.4	1.8
12	2.0	2.8	2.0e	2.1	3.7	3.0	2.9	4.0e	2.3	2.1	1.7	2.0
13	2.2	2.8	2.0e	2.1	3.4	2.9	2.5	4.0e	2.3	2.0	1.9	2.3
14	2.6	2.4	2.0e	2.3	3.7	3.0	2.5	4.0e	2.3	2.0	2.0	1.9
15	2.4	2.3	2.0e	2.6	3.4	2.9	2.3	4.0e	2.3	1.8	2.4	1.8
16	2.3	2.5	2.0e	3.0e	3.2	3.2	2.5e	3.9e	2.7	1.9	2.6	1.8
17	2.4	2.4	2.0e	3.0e	3.0	3.0	2.5e	3.9e	2.8	2.2	2.1	1.7
18	2.4	2.4	2.0e	3.0e	3.1	2.9	2.5e	3.8e	2.8	2.0	2.0	1.7
19	2.2	2.4	2.0e	3.0e	3.2	2.8	2.5e	3.8e	3.3	2.0	2.0	1.7
20	2.3	2.2	2.0e	3.0e	3.2	2.7	2.5e	3.8e	3.5	2.0	1.8	1.6
21	2.7	2.1	2.0e	3.0e	3.2	2.5	2.5e	3.7e	4.5	2.5	1.6	1.8
22	2.4	2.1	2.2e	3.0e	3.4	2.6	2.5e	3.7e	3.3	2.4	1.3	1.9
23	2.4	1.9	2.2e	2.0e	3.6	2.5	2.5e	3.6e	3.0	2.5	1.2	1.8
24	2.3	1.8	2.2e	2.0e	3.8	2.6	2.6e	3.6e	2.8	2.4	1.3	1.6
25	2.4	1.8	2.2e	2.0e	3.7	2.4	2.6e	3.7e	2.8	2.3	1.3	1.6
26	2.4	1.7	2.3e	2.0e	3.4	2.4	2.7e	3.8e	2.5	2.5	1.3	1.6
27	2.4	1.7	2.3e	2.0e	3.5	3.5	2.7e	3.9	2.4	2.6	1.2	1.6
28	2.5	1.7	2.3e	2.0e	4.0	3.4	2.8e	2.9	2.3	2.3	1.1	1.6
29	2.5	1.8e	1.7	2.0e	4.1	3.5	2.9e	2.8	2.2	2.0	1.2	1.5
30	2.7	1.8e	1.7	2.0e	---	3.4	3.0e	2.5	2.1	1.9	1.2	1.6
31	2.6	---	1.9	2.0e	---	3.6	---	2.4	---	1.9	1.2	---
TOTAL	68	69.7	61.4	71	91.6	94.4	86.4	125.8	87.8	69.5	51.9	51.9
MEAN	2.2	2.3	2.0	2.3	3.2	3.0	2.9	4.1	2.9	2.2	1.7	1.7
MAX	2.7	2.8	2.3	3.0	4.1	4.2	4.1	6.9	4.9	2.8	2.6	2.5
MIN	1.6	1.7	1.7	1.4	2.0	2.4	2.3	2.4	2.1	1.8	1.1	1.3
AC-FT	135	138	122	141	182	187	171	250	174	138	103	103
CAL YEAR 2007 TOTAL			861	MEAN	2.4	MAX	6.2	MIN	0.82	AC-FT	1708	
WTR YEAR 2008 TOTAL			929	MEAN	2.5	MAX	6.9	MIN	1.1	AC-FT	1843	

e indicates estimated discharge.



# NIOBRARA RIVER BASIN

## JOHNSON CANAL from Niobrara River, 00072000

LOCATION.--NE1/4NE1/4 Sec. 1-30-57 W. near Harrison

GAGE.--Continuous stage recorder and 1.5 ft. Parshall flume

PERIOD OF RECORD.--1956 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	6.1	0.00	0.00	0.00	0.00
2	---	---	---	---	---	---	---	6.3	0.00	0.00	0.00	0.00
3	---	---	---	---	---	---	---	7.4	0.00	0.00	0.00	0.00
4	---	---	---	---	---	---	---	7.4	0.00	0.00	0.00	0.00
5	---	---	---	---	---	---	---	2.3	0.00	0.00	0.00	0.00
6	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
7	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
8	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
11	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
13	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
14	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
15	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
19	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	3.3	0.00	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	4.4	0.00	0.00	0.00	0.00	0.00
23	---	---	---	---	---	---	4.3	0.00	0.00	0.00	0.00	0.00
24	---	---	---	---	---	---	4.2	0.00	0.00	0.00	0.00	0.00
25	---	---	---	---	---	---	4.2	0.00	0.00	0.00	0.00	0.00
26	---	---	---	---	---	---	4.3	0.00	0.00	0.00	0.00	0.00
27	---	---	---	---	---	---	4.2	0.00	0.00	0.00	0.00	0.00
28	---	---	---	---	---	---	4.2	0.00	0.00	0.00	0.00	0.00
29	---	---	---	---	---	---	4.1	0.00	0.00	0.00	0.00	0.00
30	---	---	---	---	---	---	6.1	0.00	0.00	0.00	0.00	0.00
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	43.3	29.5	0	0	0	0
MEAN	---	---	---	---	---	---	1.9	0.95	0.000	0.000	0.000	0.000
MAX	---	---	---	---	---	---	6.1	7.4	0.00	0.00	0.00	0.00
MIN	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	86	59	0.00	0.00	0.00	0.00
CAL YEAR 2007	TOTAL		81	MEAN	0.47	MAX	8.3	MIN	0.000	AC-FT	160	
WTR YEAR 2008	TOTAL		73	MEAN	0.41	MAX	7.4	MIN	0.000	AC-FT	144	

NIOBRARA RIVER BASIN

LAKOTAH CANAL from Niobrara River, 00079000

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

DISCHARGE ( CFS ), WATER YEAR 2008													
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
1	0.00	---	---	---	---	---	7.4e	0.00	4.0	1.6	0.73	0.83	
2	0.00	---	---	---	---	---	9.1e	0.00	4.0	1.6	0.73	0.63	
3	0.00	---	---	---	---	---	8.2e	0.00	4.2	1.6	0.68	0.63	
4	0.00	---	---	---	---	---	7.6e	0.00	4.5	1.6	0.68	0.63	
5	0.00	---	---	---	---	---	7.2e	0.00	4.0	1.6	0.68	0.68	
6	0.00	---	---	---	---	---	6.1e	0.00	3.0	1.6	0.83	0.73	
7	0.00	---	---	---	---	---	5.8e	0.00	3.0	1.5	0.83	0.73	
8	0.00	---	---	---	---	---	5.0e	0.00	3.1	1.4	0.89	0.89	
9	0.00	---	---	---	---	---	5.1e	0.00	3.0	1.4	1.00	0.94	
10	---	---	---	---	---	---	5.3e	0.00	3.3	1.4	1.00	0.83	
11	---	---	---	---	---	---	5.6e	0.00	3.8	0.89	0.89	0.83	
12	---	---	---	---	---	---	5.2e	0.00	3.3	0.83	0.83	0.89	
13	---	---	---	---	---	---	5.6e	0.00	3.0	0.78	0.83	0.89	
14	---	---	---	---	---	---	5.2e	0.00	3.0	0.73	3.2	0.89	
15	---	---	---	---	---	---	5.0	0.00	2.8	0.58	3.5	0.89	
16	---	---	---	---	---	---	4.7	0.00	2.7	0.58	3.5	0.89	
17	---	---	---	---	---	---	---	4.4	0.00	2.6	0.58	2.6	0.83
18	---	---	---	---	---	---	0.00e	4.3	0.00	2.7	0.58	2.2	0.83e
19	---	---	---	---	---	---	0.00e	4.0	0.00	3.2	0.58	1.4	0.83e
20	---	---	---	---	---	---	0.00e	3.9	0.26	3.9	0.50	1.7	0.83e
21	---	---	---	---	---	---	0.00e	2.4	4.8	3.9	0.54	1.4	0.83e
22	---	---	---	---	---	---	0.00e	0.00	7.4	3.3	0.58	1.4	0.83e
23	---	---	---	---	---	---	0.00e	0.00	7.8	3.1	0.68	1.2	0.83e
24	---	---	---	---	---	---	2.6e	0.00	10	3.1	0.78	1.1	0.83
25	---	---	---	---	---	---	3.4e	0.00	11	3.0	0.83	1.1	0.83
26	---	---	---	---	---	---	5.6e	0.00	8.2	2.7	1.4	1.1	0.83
27	---	---	---	---	---	---	5.8e	0.00	5.6	2.5	1.4	1.1	1.00
28	---	---	---	---	---	---	5.9e	0.00	5.1	2.2	1.3	0.94	0.83
29	---	---	---	---	---	---	6.3e	0.00	4.8	2.1	0.94	0.83	0.83
30	---	---	---	---	---	---	6.9e	0.00	4.5	2.0	0.83	0.83	0.83
31	---	---	---	---	---	---	7.1e	---	4.2	---	0.78	0.83	---
TOTAL	0	0	0	0	0	43.6	117.1	73.66	95	31.99	40.53	24.59	
MEAN	0.000	---	---	---	---	3.1	3.9	2.4	3.2	1.0	1.3	0.82	
MAX	0.00	---	---	---	---	7.1	9.1	11	4.5	1.6	3.5	1.00	
MIN	0.00	---	---	---	---	0.00	0.00	0.00	2.0	0.50	0.68	0.63	
AC-FT	0.00	0.00	0.00	0.00	0.00	86	232	146	188	63	80	49	
CAL YEAR 2007	TOTAL		210	MEAN	0.97	MAX	5.6	MIN	0.000	AC-FT	417		
WTR YEAR 2008	TOTAL		426	MEAN	2.1	MAX	11.0	MIN	0.000	AC-FT	846		

e indicates estimated discharge.

# NIOBRARA RIVER BASIN

**EARNEST CANAL (SOUTH) from Niobrara River, 00038100**

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	3.9	3.9	0.00	0.00	0.00
2	---	---	---	---	---	---	---	3.7	1.9	0.00	0.00	0.00
3	---	---	---	---	---	---	---	2.8	0.00	0.00	0.00	0.00
4	---	---	---	---	---	---	---	4.5	0.00	0.00	0.00	0.00
5	---	---	---	---	---	---	---	4.1	0.00	0.00	0.00	0.00
6	---	---	---	---	---	---	---	3.4	0.00	0.00	0.00	0.00
7	---	---	---	---	---	---	---	2.7	0.00	0.00	0.00	0.00
8	---	---	---	---	---	---	---	2.8	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	---	3.0	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	---	2.5	1.8	0.00	0.00	0.00
11	---	---	---	---	---	---	---	2.5	3.5	0.00	0.00	0.00
12	---	---	---	---	---	---	---	2.5	3.3	0.00	0.00	0.00
13	---	---	---	---	---	---	---	2.4	2.9	0.00	0.00	0.00
14	---	---	---	---	---	---	---	2.4	3.0	0.00	0.00	0.00
15	---	---	---	---	---	---	---	2.4	3.4	0.00	0.00	0.00
16	---	---	---	---	---	---	---	2.4	3.2	0.00	0.00	0.00
17	---	---	---	---	---	---	---	2.3	2.9	0.00	0.00	0.00
18	---	---	---	---	---	---	---	2.6	2.8	0.00	0.00	0.00
19	---	---	---	---	---	---	---	2.8	2.8	0.00	0.00	0.00
20	---	---	---	---	---	---	---	3.2	2.8	0.00	0.00	0.00
21	---	---	---	---	---	---	---	3.3	2.8	0.00	0.00	0.00
22	---	---	---	---	---	---	---	3.3	2.8	0.00	0.00	0.00
23	---	---	---	---	---	---	---	3.7	2.8	0.00	0.00	0.00
24	---	---	---	---	---	---	---	5.1	2.8	0.00	0.00	0.00
25	---	---	---	---	---	---	---	5.9	2.9	0.00	0.00	0.00
26	---	---	---	---	---	---	---	6.7	2.9	0.00	0.00	0.00
27	---	---	---	---	---	---	---	6.8	1.4	0.00	0.00	0.00
28	---	---	---	---	---	---	---	6.2	0.00	0.00	0.00	0.00
29	---	---	---	---	---	---	---	5.7	0.00	0.00	0.00	0.00
30	---	---	---	---	---	---	---	5.7	0.00	0.00	0.00	0.00
31	---	---	---	---	---	---	---	5.9	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	0	117.2	56.6	0	0	0
MEAN	---	---	---	---	---	---	---	3.8	1.9	0.000	0.000	0.000
MAX	---	---	---	---	---	---	---	6.8	3.9	0.00	0.00	0.00
MIN	---	---	---	---	---	---	---	2.3	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	232	112	0.00	0.00	0.00
CAL YEAR 2007	MAX	2.9	MIN	0.000	AC-FT	214						
WTR YEAR 2008	MAX	6.8	MIN	0.000	AC-FT	345						

# NIOBRARA RIVER BASIN

**EARNEST CANAL (NORTH) from Niobrara River, 00038200**

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00e	---	---	---	---	0.00e	0.00e	3.8	2.0	0.00e	0.00e	0.00e
2	0.00e	---	---	---	---	0.00e	0.00e	4.8	2.0	0.00e	0.00e	0.00e
3	0.00e	---	---	---	---	0.00e	0.00e	4.2	2.0	0.00e	0.00e	0.00e
4	0.00e	---	---	---	---	0.00e	0.31e	4.6	2.1	0.00e	0.00e	0.00e
5	0.00e	---	---	---	---	0.00e	0.62e	5.7e	2.2	0.00e	0.00e	0.00e
6	0.00e	---	---	---	---	0.00e	0.88e	6.7	2.2	0.00e	0.00e	0.00e
7	0.00e	---	---	---	---	0.00e	1.1e	5.8	2.3	0.00e	0.00e	0.00e
8	0.00e	---	---	---	---	0.00e	1.3e	4.3	2.4	0.00e	0.00e	0.00e
9	0.00e	---	---	---	---	0.00e	1.5	4.2	2.4	0.00e	0.00e	0.00e
10	---	---	---	---	---	0.00e	1.6	3.9	2.4	0.00e	0.00e	0.00e
11	---	---	---	---	---	0.00e	1.9	3.6	2.4	0.00e	0.00e	0.00e
12	---	---	---	---	---	0.00e	2.1	3.3	2.2	0.00e	0.00e	0.00e
13	---	---	---	---	---	0.00e	2.3	3.1	2.2	0.00e	0.00e	0.00e
14	---	---	---	---	---	0.00e	2.4	3.0	2.1	0.00e	0.00e	0.00e
15	---	---	---	---	---	0.00e	2.4	2.8	0.00e	0.00e	0.00e	0.00e
16	---	---	---	---	---	0.00e	2.4	2.7	0.00e	0.00e	0.00e	0.00e
17	---	---	---	---	---	0.00e	2.8	2.8	0.00e	0.00e	0.00e	0.00e
18	---	---	---	---	---	0.00e	3.4	2.8	0.00e	0.00e	0.00e	0.00e
19	---	---	---	---	---	0.00e	3.6	0.00e	0.00e	0.00e	0.00e	0.00e
20	---	---	---	---	---	0.00e	3.5	0.00e	0.00e	0.00e	0.00e	0.00e
21	---	---	---	---	---	0.00e	3.4	0.00e	0.00e	0.00e	0.00e	0.00e
22	---	---	---	---	---	0.00e	3.6	0.00e	0.00e	0.00e	0.00e	0.00e
23	---	---	---	---	---	0.00e	3.7	0.00e	0.00e	0.00e	0.00e	0.00e
24	---	---	---	---	---	0.00e	3.8	0.00e	0.00e	0.00e	0.00e	0.00e
25	---	---	---	---	---	0.00e	3.9	0.00e	0.00e	0.00e	0.00e	0.00e
26	---	---	---	---	---	0.00e	3.9	0.00e	0.00e	0.00e	0.00e	0.00e
27	---	---	---	---	---	0.00e	4.1	2.2	0.00e	0.00e	0.00e	0.00e
28	---	---	---	---	---	0.00e	4.1	2.1	0.00e	0.00e	0.00e	0.00e
29	---	---	---	---	---	0.00e	4.0	2.0	0.00e	0.00e	0.00e	0.00e
30	---	---	---	---	---	0.00e	4.0	2.0	0.00e	0.00e	0.00e	0.00e
31	---	---	---	---	---	0.00e	---	2.0	---	0.00e	0.00e	---
TOTAL	0	0	0	0	0	0	72.61	82.4	30.9	0	0	0
MEAN	0.000	---	---	---	---	0.000	2.4	2.7	1.0	0.000	0.000	0.000
MAX	0.00	---	---	---	---	0.00	4.1	6.7	2.4	0.00	0.00	0.00
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	144	163	61	0.00	0.00	0.00

CAL YEAR 2007 MAX 3.2 MIN 0.000 AC-FT 293  
WTR YEAR 2008 MAX 6.7 MIN 0.000 AC-FT 369

e indicates estimated discharge.

# NIOBRARA RIVER BASIN

## McGINLEY-STOVER CANAL from Niobrara River, 00084000

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

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	3.6	0.00	0.85	1.4	0.00
2	0.00	---	---	---	---	---	0.00	1.9	0.00	1.6	1.4	0.00
3	0.00	---	---	---	---	---	0.00	2.1	0.00	1.5	1.4	0.00
4	0.00	---	---	---	---	---	0.00	2.9	0.00	1.3	1.4	0.00
5	0.00	---	---	---	---	---	0.00	3.0	0.00	1.8	1.5	0.00
6	0.00	---	---	---	---	---	0.00	2.8	0.00	1.6	1.5	0.00
7	0.00	---	---	---	---	---	0.00	3.2	0.00	1.5	1.5	0.00
8	0.00	---	---	---	---	---	0.00	2.9	0.00	1.3	1.5	0.00
9	0.00	---	---	---	---	---	0.00	2.8	0.00	1.3	1.6	0.00
10	---	---	---	---	---	---	0.00	4.3	0.00	1.0	1.6	0.00
11	---	---	---	---	---	---	0.00	7.1	0.00	0.82	1.6	0.00
12	---	---	---	---	---	---	0.00	6.3	0.00	0.89	1.7	0.00
13	---	---	---	---	---	---	0.00	6.0	0.00	1.2	1.7	0.00
14	---	---	---	---	---	---	0.00	6.3	0.00	1.1	1.7	0.00
15	---	---	---	---	---	---	0.00	6.3	0.00	1.4	1.9	0.00
16	---	---	---	---	---	---	0.00	6.0	0.00	0.94	1.9	0.00
17	---	---	---	---	---	---	0.00	5.7	0.00	0.00	2.0	0.00
18	---	---	---	---	---	---	0.00	5.7	0.00	0.88	2.2	0.00
19	---	---	---	---	---	0.00	0.00	5.5	0.00	1.4	2.2	0.00
20	---	---	---	---	---	0.00	0.00	4.8	0.00	1.00	2.0	0.00
21	---	---	---	---	---	0.00	0.00	4.7	0.00	0.00	2.0	0.00
22	---	---	---	---	---	0.00	0.00	4.6	0.00	0.00	1.9	0.00
23	---	---	---	---	---	0.00	1.3	4.8	0.00	0.00	1.9	0.00
24	---	---	---	---	---	0.00	4.1	5.3	0.00	0.00	1.3	0.00
25	---	---	---	---	---	0.00	3.6	4.8	0.00	0.00	0.00	0.00
26	---	---	---	---	---	0.00	3.6	3.7	0.00	0.00	0.00	0.00
27	---	---	---	---	---	0.00	3.6	4.6	0.00	0.00	0.00	0.00
28	---	---	---	---	---	0.00	3.6	6.0	0.00	0.00	0.00	0.00
29	---	---	---	---	---	0.00	3.6	6.6	0.00	0.00	0.00	0.00
30	---	---	---	---	---	0.00	3.4	1.5	0.00	0.00	0.00	0.00
31	---	---	---	---	---	0.00	---	0.00	---	0.70	0.00	---
TOTAL	0	0	0	0	0	0	26.8	135.8	0	24.08	40.8	0
MEAN	0.000	---	---	---	---	0.000	0.88	4.4	0.000	0.78	1.3	0.000
MAX	0.00	---	---	---	---	0.00	4.1	7.1	0.00	1.8	2.2	0.00
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	53	269	0.00	48	81	0.00
CAL YEAR 2007	MAX	4.7	MIN	0.000	AC-FT	372						
WTR YEAR 2008	MAX	7.1	MIN	0.000	AC-FT	451						

# NIOBRARA RIVER BASIN

**NIOBRARA RIVER at Agate, 06454100**

LOCATION.--SW1/4 Sec. 6-28-55 W., Sioux County, Lat. 42° 25' 22", Long. 103° 47' 28", 0.2 mile north-west of Agate, and 14.5 miles upstream from Whistle Creek.

DRAINAGE AREA.--Approximately 840 square miles.

GAGE.--Continuous stage recorder. Gage datum 4,012.47 feet above sea level.

PERIOD OF RECORD.--Oct. 1957 - 1992 , 2007

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1992. Records are good.

EXTREMES FOR CURRENT YEAR.--Peak discharge 23 cubic feet per second March 4, gage height 4.05 feet; minimum daily discharge 3.0 cubic feet per second August 2-4.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.0	7.0	7.0	7.0	7.0	15	13	10	12	8.0	4.0	6.0
2	6.0	8.0	7.0	7.0	7.0	16	13	10	11	8.0	3.0	6.0
3	6.0	8.0	7.0	7.0	7.0	14	13	11	12	7.0	3.0	6.0
4	6.0	8.0	8.0	7.0	7.0	18	13	13	13	6.0	3.0	6.0
5	6.0	8.0	9.0	7.0	7.0	15	13	17	15	6.0	4.0	7.0
6	6.0	8.0	9.0	7.0	7.0	15	12	11	16	6.0	4.0	7.0
7	6.0	8.0	9.0	7.0	7.0	15	12	10	15	6.0	5.0	7.0
8	6.0	8.0	9.0	7.0	7.0	16	12	11	14	5.0	4.0	8.0
9	6.0	8.0	8.0	7.0	7.0	17	12	14	13	5.0	4.0	9.0
10	6.0	9.0	8.0	7.0	7.0	16	12	13	13	6.0	4.0	9.0
11	8.0	9.0	8.0	7.0	7.0	16	13	10	12	5.0	4.0	8.0
12	6.0	9.0	8.0	7.0	7.0	17	13	10	12	4.0	4.0	8.0
13	7.0	9.0	8.0	7.0	7.0	15	13	8.0	12	4.0	4.0	9.0
14	8.0	8.0	8.0	7.0	7.0	16	12	8.0	11	4.0	4.0	9.0
15	8.0	8.0	8.0	7.0	7.0	15	12	8.0	10	4.0	5.0	9.0
16	8.0	9.0	8.0	7.0	7.0	15	11	8.0	10	4.0	7.0	8.0
17	7.0	9.0	8.0	7.0	7.0	15	11	7.0	10	5.0	7.0	8.0
18	7.0	9.0	8.0	7.0	7.0	15	11	7.0	9.0	6.0	7.0	8.0
19	7.0	9.0	8.0	7.0	8.0	15	11	7.0	9.0	6.0	5.0	9.0
20	7.0	9.0	8.0	7.0	8.0	15	11	6.0	9.0	4.0	5.0	8.0
21	7.0	9.0	7.0	7.0	8.0	14	10	6.0	9.0	5.0	6.0	8.0
22	7.0	8.0	7.0	7.0	8.0	14	9.0	7.0	9.0	6.0	6.0	8.0
23	7.0	8.0	7.0	7.0	9.0	14	9.0	8.0	9.0	6.0	5.0	8.0
24	7.0	8.0	7.0	7.0	10	14	9.0	9.0	9.0	6.0	5.0	8.0
25	7.0	8.0	7.0	7.0	10	14	8.0	9.0	8.0	6.0	5.0	8.0
26	7.0	8.0	7.0	7.0	10	13	8.0	8.0	8.0	6.0	6.0	8.0
27	7.0	8.0	7.0	7.0	11	13	7.0	8.0	8.0	6.0	6.0	8.0
28	7.0	8.0	7.0	7.0	12	13	8.0	8.0	8.0	5.0	5.0	8.0
29	7.0	8.0	7.0	7.0	14	13	7.0	9.0	9.0	5.0	5.0	8.0
30	7.0	7.0	7.0	7.0	---	13	9.0	10	9.0	4.0	6.0	8.0
31	7.0	---	7.0	7.0	---	13	---	10	---	4.0	6.0	---
TOTAL	210	248	238	217	234	459	327	291	324	168	151	235
MEAN	6.8	8.3	7.7	7.0	8.1	14.8	10.9	9.4	10.8	5.4	4.9	7.8
MAX	8.0	9.0	9.0	7.0	14	18	13	17	16	8.0	7.0	9.0
MIN	6.0	7.0	7.0	7.0	7.0	13	7.0	6.0	8.0	4.0	3.0	6.0
AC-FT	417	492	472	430	464	910	649	577	643	333	300	466
CAL YEAR 2007	TOTAL	2956	MEAN	8.1	MAX	18.0	MIN	2.2	AC-FT	5864		
WTR YEAR 2008	TOTAL	3102	MEAN	8.5	MAX	18.0	MIN	3.0	AC-FT	6153		

## NIOBRARA RIVER BASIN

## COOK CANAL NO. 1 from Niobrara River, 00029000

LOCATION.--SE1/4NE1/4 Sec. 2-28-56 W.

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - 1982, 1985 - present

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.26	---	---	---	---	0.00	0.00	1.9	0.00	0.00	0.00	0.00
2	0.26	---	---	---	---	0.00	0.00	2.1	0.00	0.00	0.00	0.00
3	0.26	---	---	---	---	0.00	0.00	1.8	0.00	0.00	0.00	0.00
4	0.26	---	---	---	---	0.00	0.00	2.3	0.00	0.00	0.00	0.00
5	0.26	---	---	---	---	0.00	0.00	2.1	0.00	0.00	0.00	0.00
6	0.26	---	---	---	---	0.00	0.00	1.8	0.00	0.00	0.00	0.00
7	0.27	---	---	---	---	0.00	0.00	1.8	0.00	0.00	0.00	0.00
8	0.27	---	---	---	---	0.00	0.00	2.3	0.00	0.00	0.00	0.00
9	0.27	---	---	---	---	0.00	0.00	2.3	0.00	0.00	0.00	0.00
10	0.27	---	---	---	---	0.00	0.00	2.2	0.00	0.00	0.00	0.00
11	0.27	---	---	---	---	0.00	0.00	2.0	0.00	0.00	0.00	0.00
12	0.27	---	---	---	---	0.00	0.00	1.7	0.00	0.00	0.00	0.00
13	0.28	---	---	---	---	0.00	0.00	1.6	0.00	0.00	0.00	0.00
14	0.28	---	---	---	---	0.00	0.00	0.72	0.00	0.00	0.00	0.00
15	0.28	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.28	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	---	---	---	---	---	0.00	2.1	0.00	0.00	0.00	0.00	0.00
19	---	---	---	---	---	0.00	2.0	0.00	0.00	0.00	0.00	0.00
20	---	---	---	---	---	0.00	2.0	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	0.00	2.1	0.00	0.00	0.00	0.00	0.00
22	---	---	---	---	---	0.00	2.1	0.00	0.00	0.00	0.00	0.00
23	---	---	---	---	---	0.00	2.1	0.00	0.00	0.00	0.00	0.00
24	---	---	---	---	---	0.00	2.1	0.00	0.00	0.00	0.00	0.00
25	---	---	---	---	---	0.00	1.8	0.00	0.00	0.00	0.00	0.00
26	---	---	---	---	---	0.00	1.8	0.00	0.00	0.00	0.00	0.00
27	---	---	---	---	---	0.00	1.7	0.00	0.00	0.00	0.00	0.00
28	---	---	---	---	---	0.00	1.7	0.00	0.00	0.00	0.00	0.00
29	---	---	---	---	---	0.00	1.5	0.00	0.00	0.00	0.00	0.00
30	---	---	---	---	---	0.00	1.7	0.00	0.00	0.00	0.00	0.00
31	---	---	---	---	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	4.3	0	0	0	0	0	24.7	26.62	0	0	0	0
MEAN	0.27	---	---	---	---	0.000	0.82	0.86	0.000	0.000	0.000	0.000
MAX	0.28	---	---	---	---	0.00	2.1	2.3	0.00	0.00	0.00	0.00
MIN	0.26	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	8.5	0.00	0.00	0.00	0.00	0.00	49	53	0.00	0.00	0.00	0.00
CAL YEAR 2007	MAX	1.6	MIN	0.000	AC-FT	65						
WTR YEAR 2008	MAX	2.3	MIN	0.000	AC-FT	110						

# NIOBRARA RIVER BASIN

**HARRIS-NEECE CANAL from Niobrara River, 00062000**

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

GAGE.--Continuous stage recorder and 30 inch cutthroat flume

PERIOD OF RECORD.--1956 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.8	2.7	---	---	---	---	0.00	10	11	9.0	3.8	5.1
2	6.0	2.7	---	---	---	---	0.00	18	12	11	3.6	5.2
3	6.5	2.8	---	---	---	---	0.00	17	6.4	11	3.3	5.8
4	6.4	2.8	---	---	---	---	0.00	4.6	6.9e	9.7	3.3	6.7
5	6.4	3.0	---	---	---	---	0.00	0.00	7.5e	8.3	3.6	7.9
6	6.5	2.9	---	---	---	---	0.00	0.00	7.8e	7.5	3.6	8.9
7	6.6	3.1	---	---	---	---	0.00	0.00	7.5e	7.0	3.8	9.9
8	6.6	3.3	---	---	---	---	0.00	0.00	7.9e	8.5	3.8	9.5e
9	6.6	3.4	---	---	---	---	0.00	7.4	8.3e	8.5	4.0	8.1
10	6.7	3.4	---	---	---	---	0.00	12	8.8	10.0	3.6	7.9e
11	6.8	3.4	---	---	---	---	0.00	12	7.9	9.6	3.5	7.7e
12	7.0	3.4	---	---	---	---	0.00	12	0.00	9.4	3.3	7.5e
13	7.1	3.3	---	---	---	---	0.00	12	0.00	9.4	3.3	7.3e
14	7.3	3.3	---	---	---	---	0.00	11	0.00	2.2	3.6	7.0e
15	7.6	3.3	---	---	---	---	0.00	9.8	0.00	0.00	4.2	6.7e
16	7.9	---	---	---	---	---	0.00	9.3	0.00	0.00	4.6	6.6
17	8.1	---	---	---	---	0.00	0.00	8.9	0.00	0.00	5.4	6.8
18	8.0	---	---	---	---	0.00	0.00	8.4	0.00	0.00	5.3	6.8
19	8.1	---	---	---	---	0.00	0.00	8.0	0.00	0.00	4.6	6.8
20	7.8	---	---	---	---	0.00	0.00	7.6	0.00	0.00	4.2	6.9
21	7.8	---	---	---	---	0.00	0.00	7.5	0.00	0.00	3.9	7.2
22	7.8	---	---	---	---	0.00	0.00	7.4	4.9	0.00	4.1	7.6
23	7.9	---	---	---	---	0.00	0.00	7.9	10	0.00	4.3	7.6
24	7.1	---	---	---	---	0.00	5.8	8.9	9.0	0.00	4.7	7.6
25	6.1	---	---	---	---	0.00	11	8.8	8.5	0.00	4.3	7.6
26	5.2	---	---	---	---	0.00	11	8.9	7.6	0.00	4.1	7.5
27	4.5	---	---	---	---	0.00	10	8.4	7.2	2.3	4.9	7.2
28	3.8	---	---	---	---	0.00	10	8.4	6.7	4.9	5.2	7.1
29	3.1	---	---	---	---	0.00	10.0	8.7	6.4	5.3	5.1	6.8
30	2.7	---	---	---	---	0.00	10.0	9.9	6.4	4.6	5.1	6.0
31	2.7	---	---	---	---	0.00	---	10	---	3.9	4.9	---
TOTAL	195.5	46.8	0	0	0	0	67.8	262.8	158.7	142.1	129	217.3
MEAN	6.3	3.1	---	---	---	0.000	2.3	8.5	5.3	4.6	4.2	7.2
MAX	8.1	3.4	---	---	---	0.00	11	18	12	11	5.4	9.9
MIN	2.7	2.7	---	---	---	0.00	0.00	0.00	0.00	0.00	3.3	5.1
AC-FT	388	93	0.00	0.00	0.00	0.00	134	521	315	282	256	431
CAL YEAR 2007	MAX	14.0	MIN	0.000	AC-FT	2237						
WTR YEAR 2008	MAX	18.0	MIN	0.000	AC-FT	2420						

e indicates estimated discharge.



# NIOBRARA RIVER BASIN

**LABELLE CANAL from Niobrara River, 00078000**

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	1.6	---	---
2	---	---	---	---	---	---	---	---	---	1.6	---	---
3	---	---	---	---	---	---	---	---	---	2.0	---	---
4	---	---	---	---	---	---	---	---	---	2.1	---	---
5	---	---	---	---	---	---	---	---	---	1.9	---	---
6	---	---	---	---	---	---	---	---	---	1.7	---	---
7	---	---	---	---	---	---	---	---	---	1.1	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	3.9	---	---	---
10	---	---	---	---	---	---	---	---	3.9	---	---	---
11	---	---	---	---	---	---	---	---	3.9	---	---	---
12	---	---	---	---	---	---	---	---	3.9	---	---	---
13	---	---	---	---	---	---	---	---	3.9	---	---	---
14	---	---	---	---	---	---	---	---	3.9	---	---	---
15	---	---	---	---	---	---	---	---	3.9	1.7	---	---
16	---	---	---	---	---	---	---	---	---	2.9	---	---
17	---	---	---	---	---	---	---	---	---	3.1	---	---
18	---	---	---	---	---	---	---	---	---	2.9	---	---
19	---	---	---	---	---	---	---	---	---	2.4	---	---
20	---	---	---	---	---	---	---	---	---	3.5	---	---
21	---	---	---	---	---	---	---	---	---	3.9	---	---
22	---	---	---	---	---	---	---	---	---	3.9	---	---
23	---	---	---	---	---	---	---	---	---	4.1	---	---
24	---	---	---	---	---	---	---	---	---	4.1	---	---
25	---	---	---	---	---	---	---	---	---	3.7	---	---
26	---	---	---	---	---	---	---	---	4.4	3.0	---	---
27	---	---	---	---	---	---	---	---	5.4	3.0	---	---
28	---	---	---	---	---	---	---	---	4.2	2.9	---	---
29	---	---	---	---	---	---	---	---	2.8	---	---	---
30	---	---	---	---	---	---	---	---	2.4	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	0	0	0	0	0	0	0	0	46.5	57.1	0	0
MEAN	---	---	---	---	---	---	---	---	3.8	2.7	---	---
MAX	---	---	---	---	---	---	---	---	5.4	4.1	---	---
MIN	---	---	---	---	---	---	---	---	2.4	1.1	---	---
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92	113	0.00	0.00
CAL YEAR 2007	MAX		0	MIN		0	AC-FT		0			
WTR YEAR 2008	MAX		5.4	MIN		1.1	AC-FT		205			

# NIOBRARA RIVER BASIN

**METTLEN CANAL from Niobrara River, 00089000**

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	1.2	2.0
2	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	1.2	2.5
3	0.00	---	---	---	---	---	0.00	1.1	0.00	0.00	0.93	2.8
4	0.00	---	---	---	---	---	0.00	3.4	0.00	0.00	0.94	2.8
5	0.00	---	---	---	---	---	0.00	2.7	0.00	0.00	1.3	3.4
6	0.00	---	---	---	---	---	0.00	0.00	0.00	0.29	1.6	3.3
7	0.00	---	---	---	---	---	0.00	0.00	0.00	0.67	1.3	2.0
8	0.00	---	---	---	---	---	0.00	0.00	0.00	1.0	1.1	2.9
9	0.00	---	---	---	---	---	0.00	0.00	0.00	1.5	1.1	3.5
10	0.00	---	---	---	---	---	0.00	0.00	1.1	1.5	1.1	0.96
11	0.00	---	---	---	---	---	0.00	0.00	5.1	1.4	1.0	0.00
12	0.00	---	---	---	---	---	0.00	0.00	5.2	1.6	1.1	0.00
13	0.00	---	---	---	---	---	0.00	0.00	4.8	1.3	0.97	0.00
14	0.00	---	---	---	---	---	0.00	0.00	5.3	1.4	1.2	0.01
15	0.00	---	---	---	---	---	0.00	0.00	6.0	1.2	1.4	0.69
16	0.00	---	---	---	---	---	0.00	0.00	7.0	1.1	0.00	0.75
17	---	---	---	---	---	0.00	0.00	0.00	7.8	1.4	0.00	0.51
18	---	---	---	---	---	0.00	0.00	0.00	7.6	1.2	0.00	0.25
19	---	---	---	---	---	0.00	0.00	0.00	7.5	0.62	0.00	0.00
20	---	---	---	---	---	0.00	0.00	0.00	7.3	0.90	0.00	0.00
21	---	---	---	---	---	0.00	0.00	0.00	7.1	1.1	0.00	0.00
22	---	---	---	---	---	0.00	0.00	0.00	6.8	0.98	0.00	0.00
23	---	---	---	---	---	0.00	0.00	0.00	6.6	1.0	0.00	0.00
24	---	---	---	---	---	0.00	0.00	0.00	5.0	1.2	0.00	0.00
25	---	---	---	---	---	0.00	0.00	0.00	0.00	1.6	0.00	0.00
26	---	---	---	---	---	0.00	0.00	0.00	0.00	2.3	0.00	0.00
27	---	---	---	---	---	0.00	0.00	0.00	0.00	3.1	0.00	0.00
28	---	---	---	---	---	0.00	0.00	0.00	0.00	3.0	0.25	0.00
29	---	---	---	---	---	0.00	0.00	0.00	0.00	2.5	2.5	0.00
30	---	---	---	---	---	0.00	0.00	0.00	0.00	1.5	2.2	0.00
31	---	---	---	---	---	0.00	---	0.00	---	1.3	2.1	---
TOTAL	0	0	0	0	0	0	0	7.2	90.2	36.66	24.49	28.37
MEAN	0.000	---	---	---	---	0.000	0.000	0.23	3.0	1.2	0.79	0.95
MAX	0.00	---	---	---	---	0.00	0.00	3.4	7.8	3.1	2.5	3.5
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14	179	73	49	56
CAL YEAR 2007	MAX	6.4	MIN	0.000	AC-FT	340						
WTR YEAR 2008	MAX	7.8	MIN	0.000	AC-FT	371						

## NIOBRARA RIVER BASIN

## BENNETT-KAY CANAL from Niobrara River, 00013000

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1958 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	2.9	1.8	0.00	0.00	0.00
2	0.00	---	---	---	---	---	0.00	2.0	1.5	0.00	0.00	0.00
3	0.00	---	---	---	---	---	0.00	0.00	1.2	0.00	0.00	0.00
4	0.00	---	---	---	---	---	0.00	0.00	0.94	0.00	0.00	0.00
5	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	---	---	---	---	---	0.00	0.00	0.00	0.80	0.00	0.00
8	0.00	---	---	---	---	---	0.00	0.00	0.00	1.2	0.00	0.00
9	0.00	---	---	---	---	---	0.00	0.00	0.00	1.2	0.00	0.00
10	0.00	---	---	---	---	---	0.00	0.00	0.00	1.1	0.37	0.00
11	0.00	---	---	---	---	---	0.00	0.00	0.00	1.1	1.3	0.00
12	0.00	---	---	---	---	---	0.00	0.00	0.00	1.1	1.3	0.00
13	0.00	---	---	---	---	---	0.00	0.00	0.00	1.3	1.2	0.00
14	0.00	---	---	---	---	---	0.00	0.00	0.00	1.3	1.0	0.00
15	0.00	---	---	---	---	---	0.00	0.00	0.00	1.3	0.00	0.00
16	0.00	---	---	---	---	---	0.00	0.67	0.00	1.3	0.00	0.00
17	---	---	---	---	---	0.00	0.00	2.7	0.00	0.35	0.00	0.00
18	---	---	---	---	---	0.00	0.00	2.5	0.00	0.00	0.00	0.00
19	---	---	---	---	---	0.00	0.00	2.2	0.00	0.00	0.00	0.00
20	---	---	---	---	---	0.00	1.3	2.2	0.00	0.00	0.00	0.00
21	---	---	---	---	---	0.00	3.3	2.2	0.00	0.00	0.00	0.00
22	---	---	---	---	---	0.00	3.3	2.2	0.00	0.00	0.00	0.00
23	---	---	---	---	---	0.00	3.3	2.2	0.00	0.00	0.00	0.00
24	---	---	---	---	---	0.00	3.3	2.7	0.00	0.00	0.00	0.00
25	---	---	---	---	---	0.00	3.3	1.2	0.00	0.00	0.00	0.00
26	---	---	---	---	---	0.00	3.3	0.00	0.00	0.00	0.00	0.00
27	---	---	---	---	---	0.00	3.2	0.66	0.00	0.00	0.00	0.00
28	---	---	---	---	---	0.00	3.0	0.74	0.00	0.00	0.00	0.00
29	---	---	---	---	---	0.00	2.8	1.6	0.00	0.00	0.00	0.00
30	---	---	---	---	---	0.00	2.7	2.0	0.00	0.00	0.00	0.00
31	---	---	---	---	---	0.00	---	1.8	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	32.8	32.47	5.44	12.05	5.17	0
MEAN	0.000	---	---	---	---	0.000	1.1	1.1	0.18	0.38	0.17	0.000
MAX	0.00	---	---	---	---	0.00	3.3	2.9	1.8	1.3	1.3	0.00
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	65	64	11	24	10	0.00
CAL YEAR 2007	MAX	3.8	MIN	0.000	AC-FT	213						
WTR YEAR 2008	MAX	3.3	MIN	0.000	AC-FT	174						

# NIOBRARA RIVER BASIN

**MOORE - KAY CANAL from Niobrara River, 00104000**

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

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

PERIOD OF RECORD.--1956 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	5.6e	3.5	0.00	0.00	0.88	0.00
2	0.00	---	---	---	---	---	7.8e	3.3	0.00	0.00	0.82	0.00
3	0.00	---	---	---	---	---	5.4	4.3	0.00	0.00	0.82	0.00
4	0.00	---	---	---	---	---	4.6	4.3	0.00	0.00	0.82	0.00
5	0.00	---	---	---	---	---	3.0	1.3	0.00	0.00	1.1	0.00
6	0.00	---	---	---	---	---	0.66	0.00	0.00	0.00	1.1	0.00
7	0.00	---	---	---	---	---	0.43	0.00	0.00	0.00	1.1	0.00
8	0.00	---	---	---	---	---	0.38	0.00	0.00	0.00	0.93	0.00
9	0.00	---	---	---	---	---	0.63	0.00	0.00	0.00	0.82	0.00
10	0.00	---	---	---	---	---	0.77	0.00	0.00	0.00	1.5	0.00
11	0.00	---	---	---	---	---	1.7	0.00	0.00	0.00	1.7	0.00
12	0.00	---	---	---	---	---	1.9	0.00	0.00	0.00	1.2	0.00
13	0.00	---	---	---	---	---	1.5	0.00	0.00	0.00	1.2	0.00
14	0.00	---	---	---	---	---	0.99	0.06	0.00	0.00	1.2	0.00
15	0.00	---	---	---	---	---	0.60	0.00	0.00	0.00	1.6	0.00
16	0.00	---	---	---	---	---	0.24	0.00	0.00	0.00	2.1	0.00
17	0.00	---	---	---	---	1.9	0.11	0.00	0.00	0.00	2.1	0.00
18	0.00	---	---	---	---	1.8	0.02	0.00	0.00	0.00	2.1	0.00
19	0.00	---	---	---	---	1.3	0.00	0.00	0.00	0.00	1.7	0.00
20	0.00	---	---	---	---	1.3	0.00	0.00	0.00	0.00	1.7	0.00
21	0.00	---	---	---	---	1.5e	0.00	0.00	0.00	0.00	1.7	0.00
22	0.00	---	---	---	---	1.7e	0.07	0.00	0.00	0.00	1.6	0.00
23	0.00	---	---	---	---	1.9e	2.4	0.10	0.00	0.39	0.75	0.00
24	---	---	---	---	---	2.1e	2.2	2.3	0.00	1.1	0.00	0.00
25	---	---	---	---	---	2.3e	2.2	0.66	0.00	1.1	0.00	0.00
26	---	---	---	---	---	2.5e	2.0	0.42	0.00	1.1	0.00	0.00
27	---	---	---	---	---	2.8e	1.8	0.00	0.00	1.1	0.00	0.00
28	---	---	---	---	---	3.2e	1.6	0.00	0.00	1.1	0.00	0.00
29	---	---	---	---	---	3.5e	2.7	0.00	0.00	0.93	0.00	0.00
30	---	---	---	---	---	3.9e	2.6	0.00	0.00	0.93	0.00	0.00
31	---	---	---	---	---	4.3e	---	0.00	---	0.93	0.00	---
TOTAL	0	0	0	0	0	36	53.9	20.24	0	8.68	30.54	0
MEAN	0.000	---	---	---	---	2.4	1.8	0.66	0.000	0.28	0.98	0.000
MAX	0.00	---	---	---	---	4.3	7.8	4.3	0.00	1.1	2.1	0.00
MIN	0.00	---	---	---	---	1.3	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	71	107	40	0.00	17	61	0.00
CAL YEAR 2007	MAX		4.6	MIN	0.000	AC-FT	180					
WTR YEAR 2008	MAX		7.8	MIN	0.000	AC-FT	296					

e indicates estimated discharge.

## NIOBRARA RIVER BASIN

## GEO. HITSHEW CANAL from Niobrara river, 00063000

LOCATION.--NE1/4SE1/4 Sec. 6-28-52 W. near Marsland

GAGE.--Continuous stage recorder and 30 inch cutthroat flume

PERIOD OF RECORD.--1956 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	---	---	---	---	---
2	0.00	---	---	---	---	---	---	---	---	---	---	---
3	0.00	---	---	---	---	---	---	---	---	---	---	---
4	0.00	---	---	---	---	---	---	0.18	---	---	---	---
5	0.00	---	---	---	---	---	---	0.18	---	---	---	---
6	0.00	---	---	---	---	---	---	---	---	---	---	---
7	0.00	---	---	---	---	---	---	---	---	---	---	---
8	0.00	---	---	---	---	---	---	---	---	---	---	---
9	0.00	---	---	---	---	---	---	---	---	---	---	---
10	0.00	---	---	---	---	---	---	---	---	---	---	---
11	0.00	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	0	0	0	0	0	0	0	0.36	0	0	0	0
MEAN	0.000	---	---	---	---	---	---	0.18	---	---	---	---
MAX	0.00	---	---	---	---	---	---	0.18	---	---	---	---
MIN	0.00	---	---	---	---	---	---	0.18	---	---	---	---
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.7	0.00	0.00	0.00	0.00
CAL YEAR 2007	MAX	3.1	MIN	0.000	AC-FT	24						
WTR YEAR 2008	MAX	0.18	MIN	0.000	AC-FT	0.7						

# NIOBRARA RIVER BASIN

**McLAUGHLIN CANAL from Niobrara River, 00086000**

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

GAGE.--Continuous stage recorder and 30 inch cutthroat flume

PERIOD OF RECORD.--1956 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.50e	---	---	---	---	---	0.00e	2.9	3.3	0.00	0.00	0.00
2	1.0e	---	---	---	---	---	0.00e	3.7	3.3	0.00	0.00	0.00
3	1.2e	---	---	---	---	---	0.00e	3.7	3.2	0.00	0.00	0.00
4	1.5e	---	---	---	---	---	0.00	2.6	1.3	0.00	0.00	0.00
5	1.8e	---	---	---	---	---	0.00	2.5	0.00	0.00	0.00	0.00
6	2.0e	---	---	---	---	---	0.00	1.9	0.00	0.00	0.00	0.00
7	2.2e	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
8	2.4e	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
9	2.4	---	---	---	---	---	0.16	0.00	0.00	0.00	0.00	0.00
10	2.4	---	---	---	---	---	0.60	0.00	2.4	0.00	0.00	0.00
11	2.4	---	---	---	---	---	0.22	0.00	3.7	0.00	0.00	0.00
12	2.3	---	---	---	---	---	0.00	0.00	2.7	0.00	0.00	0.00
13	2.3	---	---	---	---	---	0.00	0.00	2.7	0.00	0.00	0.00
14	3.0	---	---	---	---	---	0.00	0.00	3.0	0.00	0.00	0.00
15	3.0	---	---	---	---	---	0.00	0.00	2.9	0.00	0.00	0.00
16	2.7	---	---	---	---	---	0.00	0.00	2.4	0.00	0.00	0.00
17	2.6	---	---	---	---	---	0.00	0.00	2.4	0.00	0.00	0.00
18	2.6	---	---	---	---	---	0.00	4.2	2.1	0.00	0.00	0.00
19	2.5	---	---	---	---	---	0.00	6.3	2.0	0.00	0.00	0.00
20	2.5	---	---	---	---	0.00e	0.38	5.1	2.0	0.00	0.00	0.00
21	2.4	---	---	---	---	0.00e	0.74	4.6	2.1	0.00	0.00	0.00
22	3.4	---	---	---	---	0.00e	1.9	4.6	2.3	0.00	0.00	0.00
23	3.3	---	---	---	---	0.00e	1.6	4.6	2.3	0.00	0.00	0.00
24	3.3	---	---	---	---	0.00e	0.00	4.5	2.4	0.00	0.00	0.00
25	1.0	---	---	---	---	0.00e	0.00	4.8	2.6	0.00	0.00	0.00
26	0.00	---	---	---	---	0.00e	0.00	5.1	2.7	0.00	0.00	0.00
27	0.00	---	---	---	---	0.00e	0.00	6.7	2.7	0.00	0.00	0.00
28	0.00	---	---	---	---	0.00e	0.63	5.1	2.4	0.00	0.00	0.00
29	0.00	---	---	---	---	0.00e	3.0	3.5	2.2	0.00	0.00	0.00
30	0.00	---	---	---	---	0.00e	2.8	3.4	0.91	0.00	0.00	0.00
31	---	---	---	---	---	0.00e	---	3.4	---	0.00	0.00	---
TOTAL	56.7	0	0	0	0	0	12.03	83.2	62.01	0	0	0
MEAN	1.9	---	---	---	---	0.000	0.40	2.7	2.1	0.000	0.000	0.000
MAX	3.4	---	---	---	---	0.00	3.0	6.7	3.7	0.00	0.00	0.00
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	112	0.00	0.00	0.00	0.00	0.00	24	165	123	0.00	0.00	0.00
CAL YEAR 2007	MAX		3.9	MIN	0.000	AC-FT	632					
WTR YEAR 2008	MAX		6.7	MIN	0.000	AC-FT	424					

e indicates estimated discharge.

# NIOBRARA RIVER BASIN

## EXCELSIOR CANAL from Niobrara River, 00046000

LOCATION.--SE1/4NE1/4 Sec. 10-28-52 W. near Marsland

GAGE.--Continuous stage recorder and 28 inch cutthroat flume

PERIOD OF RECORD.--1956 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.74	0.79	0.11	0.00	0.00
2	---	---	---	---	---	---	0.00	1.7	0.79	0.14	0.00	0.00
3	---	---	---	---	---	---	0.00	2.5	0.85	0.21	0.00	0.00
4	---	---	---	---	---	---	0.00	2.2	1.1	0.16	0.00	0.00
5	---	---	---	---	---	---	0.00	0.08	1.8	0.12	0.00	0.00
6	---	---	---	---	---	---	0.00	0.07	1.8	0.17	0.00	0.00
7	---	---	---	---	---	---	0.00	1.1	1.6	0.17	0.00	0.00
8	---	---	---	---	---	---	0.00	1.2	1.6	0.53	0.00	0.00
9	---	---	---	---	---	---	0.00	1.8	1.6	0.44	0.00	0.00
10	---	---	---	---	---	---	0.00	1.9	1.3	0.64	0.00	0.00
11	---	---	---	---	---	---	0.00	2.0	0.47	0.44	0.00	0.00
12	---	---	---	---	---	---	0.00	1.9	0.64	0.05	0.00	0.00
13	---	---	---	---	---	---	0.00	1.9	0.72	0.00	0.00	0.00
14	---	---	---	---	---	---	0.00	1.7	0.69	0.00	0.00	0.00
15	---	---	---	---	---	---	0.00	1.6	0.48	0.00	0.00	0.00
16	---	---	---	---	---	---	0.00	1.4	0.50	0.00	0.00	0.00
17	---	---	---	---	---	---	0.00	0.93	0.37	0.00	0.00	0.00
18	---	---	---	---	---	---	0.00	0.67	0.17	0.00	0.00	0.00
19	---	---	---	---	---	---	0.00	0.00	0.38	0.00	0.00	0.00
20	---	---	---	---	---	0.00	0.00	0.00	0.59	0.00	0.00	0.00
21	---	---	---	---	---	0.00	0.00	0.00	0.62	0.00	0.00	0.00
22	---	---	---	---	---	0.00	1.4	0.00	0.58	0.00	0.00	0.00
23	---	---	---	---	---	0.00	1.4	0.42	0.52	0.00	0.00	0.00
24	---	---	---	---	---	0.00	1.5	0.87	0.54	0.00	0.00	0.00
25	---	---	---	---	---	0.00	2.0	1.0	0.13	0.00	0.00	0.00
26	---	---	---	---	---	0.00	2.6	1.2	0.21e	0.00	0.00	0.00
27	---	---	---	---	---	0.00	2.8	1.3	0.20e	0.00	0.00	0.00
28	---	---	---	---	---	0.00	2.9	1.0	0.18e	0.00	0.00	0.00
29	---	---	---	---	---	0.00	1.9	1.5	0.00	0.00	0.00	0.00
30	---	---	---	---	---	0.00	0.52	1.2	0.00	0.00	0.00	0.00
31	---	---	---	---	---	0.00	---	1.0	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	17.02	34.88	21.22	3.18	0	0
MEAN	0.000	---	---	---	---	0.000	0.56	1.1	0.71	0.10	0.000	0.000
MAX	0.00	---	---	---	---	0.00	2.9	2.5	1.8	0.64	0.00	0.00
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	34	69	42	6.3	0.00	0.00
CAL YEAR 2007	MAX	5.3	MIN	0.000	AC-FT	201						
WTR YEAR 2008	MAX	2.9	MIN	0.000	AC-FT	151						

e indicates estimated discharges.

# NIOBRARA RIVER BASIN

**HUGHES CANAL from Niobrara River, 00069000**

LOCATION.--SW1/4SE1/4 Sec. 1-28-52 W. near Marsland

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	0.27	0.00	0.00	0.00
2	---	---	---	---	---	---	---	0.00	0.24	0.00	0.00	0.00
3	---	---	---	---	---	---	---	1.0	0.24	0.00	0.00	0.00
4	---	---	---	---	---	---	---	1.0	0.21	0.00	0.00	0.00
5	---	---	---	---	---	---	---	1.1	0.32	0.00	0.00	0.00
6	---	---	---	---	---	---	---	1.1	0.39	0.00	0.00	0.00
7	---	---	---	---	---	---	---	1.4	0.37	0.00	0.00	0.00
8	---	---	---	---	---	---	---	1.3	0.29	0.00	0.00	0.00
9	---	---	---	---	---	---	---	1.3	0.26	0.00	0.00	0.00
10	---	---	---	---	---	---	---	1.3	0.23	0.00	0.00	0.00
11	---	---	---	---	---	---	---	1.2	0.19	0.00	0.00	0.00
12	---	---	---	---	---	---	---	1.1	0.01	0.00	0.00	0.00
13	---	---	---	---	---	---	---	1.0	0.04	0.00	0.00	0.00
14	---	---	---	---	---	---	---	0.72	0.03	0.00	0.00	0.00
15	---	---	---	---	---	---	---	0.36	0.05	0.00	0.00	0.00
16	---	---	---	---	---	---	0.00	0.33	0.05	0.00	0.00	0.00
17	---	---	---	---	---	---	0.00	0.32	0.24	0.00	0.00	0.00
18	---	---	---	---	---	---	0.00	0.29	0.22	0.00	0.00	0.00
19	---	---	---	---	---	---	0.00	0.12	0.22	0.00	0.00	0.00
20	---	---	---	---	---	---	0.00	0.13	0.23	0.00	0.00	0.00
21	---	---	---	---	---	---	0.00	0.45	0.24	0.00	0.00	0.00
22	---	---	---	---	---	---	0.00	0.43	0.23	0.00	0.00	0.00
23	---	---	---	---	---	---	0.00	0.49	0.23	0.00	0.00	0.00
24	---	---	---	---	---	---	0.00	0.68	0.21	0.00	0.00	0.00
25	---	---	---	---	---	---	0.40	0.74	0.23	0.00	0.00	0.00
26	---	---	---	---	---	---	0.37	0.84	0.26	0.00	0.00	0.00
27	---	---	---	---	---	---	0.36	0.99	0.44	0.00	0.00	0.00
28	---	---	---	---	---	---	0.43	1.00	0.66	0.00	0.00	0.00
29	---	---	---	---	---	---	0.34	0.97	0.76	0.00	0.00	0.00
30	---	---	---	---	---	---	0.00	0.64	0.00	0.00	0.00	0.00
31	---	---	---	---	---	---	---	0.35	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	1.9	22.65	7.36	0	0	0
MEAN	---	---	---	---	---	---	0.13	0.73	0.25	0.000	0.000	0.000
MAX	---	---	---	---	---	---	0.43	1.4	0.76	0.00	0.00	0.00
MIN	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	3.8	45	15	0.00	0.00	0.00
CAL YEAR 2007	MAX	0.76	MIN	0.000	AC-FT	13						
WTR YEAR 2008	MAX	1.4	MIN	0.000	AC-FT	63						



# NIOBRARA RIVER BASIN

## PIONEER CANAL from Niobrara River, 00123000

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	0.00e	0.00	4.2	4.7	0.00	0.00	2.2
2	0.00	---	---	---	---	0.00e	0.00	4.3	5.0	0.00	0.00	2.4
3	0.00	---	---	---	---	0.00e	0.00	1.2	5.1	0.00	0.00	2.4
4	0.00	---	---	---	---	0.00e	0.00	0.00	5.3	0.00	0.00	2.5
5	0.00	---	---	---	---	0.00e	0.00	0.00	6.2	0.00	0.00	2.5
6	0.00	---	---	---	---	0.00e	0.00	1.6	5.6	0.00	0.00	2.5
7	0.00	---	---	---	---	0.00e	0.00	4.7	5.4	0.00	0.00	2.6
8	0.00	---	---	---	---	0.00e	0.00	4.8	5.3	0.00	0.00	1.5
9	0.00	---	---	---	---	0.00e	0.00	5.0	5.0	0.00	0.00	0.00
10	0.00	---	---	---	---	0.00e	0.00	5.1	4.9	0.00	0.00	0.00
11	0.00	---	---	---	---	0.00e	0.00	5.6	4.9	0.00	0.00	0.00
12	---	---	---	---	---	0.00e	3.3	5.6	4.8	0.00	0.00	0.00
13	---	---	---	---	---	0.00e	0.00	5.7	4.7	0.00	0.00	0.00
14	---	---	---	---	---	0.00e	0.00	5.4	4.4	0.98	0.00	0.00
15	---	---	---	---	---	0.00e	0.00	5.5	4.3	2.0	0.00	0.00
16	---	---	---	---	---	0.00e	0.00	5.4	4.2	2.1	0.00	0.00
17	---	---	---	---	---	1.0e	0.00	5.4	4.1	1.2	0.00	0.00
18	---	---	---	---	---	1.3e	0.00	5.2	3.9	0.00	0.00	0.00
19	---	---	---	---	---	1.5e	0.00	5.0	4.0	0.00	0.00	0.00
20	---	---	---	---	---	1.8	0.00	5.1	4.1	0.00	0.00	0.00
21	---	---	---	---	---	1.6	0.00	5.2	4.1	0.00	0.00	0.00
22	---	---	---	---	---	1.6	0.00	3.3	4.1	0.00	0.00	0.00
23	---	---	---	---	---	1.1	0.00	0.00	4.1	0.00	0.00	0.00
24	---	---	---	---	---	0.00	0.00	0.00	2.1	0.00	0.00	0.00
25	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	---	---	---	---	---	0.00	2.4	0.00	0.00	0.00	0.00	0.00
31	---	---	---	---	---	0.00	---	0.78	---	0.00	1.1	---
TOTAL	0	0	0	0	0	9.9	5.7	94.08	110.3	6.28	1.1	18.6
MEAN	0.000	---	---	---	---	0.32	0.19	3.0	3.7	0.20	0.036	0.62
MAX	0.00	---	---	---	---	1.8	3.3	5.7	6.2	2.1	1.1	2.6
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	20	11	187	219	12	2.2	37
CAL YEAR 2007	MAX		4.6	MIN	0.000	AC-FT	415					
WTR YEAR 2008	MAX		6.2	MIN	0.000	AC-FT	488					

e indicates estimated discharge.

# NIOBRARA RIVER BASIN

## NIOBRARA RIVER above Box Butte Reservoir, 06454500

LOCATION.--NEL/4 Sec. 27-29-50 W., Dawes County, Lat. 42° 27' 35", Long. 103° 10' 16", on right bank 1 mile upstream from high-water line of Box Butte Reservoir and 6 miles east of Marsland.

DRAINAGE AREA.--Approximately 1,400 square miles.

GAGE.--Continuous stage recorder. Gage datum 4,012.47 feet above sea level.

PERIOD OF RECORD.--Oct. 1946 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994. Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 4,950 cubic feet per second July 28, 1951, gage height 10.30 feet; minimum daily discharge 1.6 cubic feet per second September 26, 1953.

EXTREMES FOR CURRENT YEAR.--Peak discharge 384 cubic feet per second July 9, gage height 7.26 feet; minimum daily discharge 8.0 cubic feet per second October 3.

### DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.1	10	10	10e	11	22	29	13	13	12	9.0e	10e
2	8.2	10	16	10e	12	23	30	52	17	12	9.0e	10e
3	8.0	10	11	10e	11	25	31	110	17	12	9.0e	10e
4	8.1	10	11	9.7	11	21	33	26	19	13	9.0e	10e
5	8.4	10	11	10	11e	20	33	20	28	13	9.0e	10e
6	8.7	9.9	11	11	11e	20	32	20	28	14	9.0e	10e
7	8.6	10	11e	15e	11e	20	31	16	20	15	9.0e	11e
8	8.6	10	11e	12e	11	21	30	18	19	15	9.0e	11e
9	8.7	10	11e	12	11	23	29	18	19	50e	9.0e	11e
10	8.8	10	11e	12	17	24	30	19	18	15e	9.0e	11e
11	9.1	10	11e	12	12	26	33	23	17	14e	9.0e	11e
12	8.9	10	11e	11	12	30	38	25	16	14e	9.0e	11e
13	9.6	10	11e	11	12	29	42	24	15	14e	9.0e	11e
14	10	11e	11e	11	12	30	42	20	14	14e	9.0e	11e
15	10	11e	11e	12	12	30	41	20	13	13e	9.0e	11e
16	9.9	11e	10e	12e	12	23	39	21	13	13e	9.0e	11e
17	10	11e	10e	12e	12	29	34	19	13	13e	9.0e	11e
18	10	11e	10	12e	12	29	30	18	13	12e	9.0e	11e
19	9.4	11e	10	12e	12	30	26	17	13	12e	9.0e	11e
20	9.7	11	11e	11e	12	30	24	16	14	12e	9.0e	12e
21	10.0	11	11e	11e	12	30	22	17	14	12e	9.0e	12e
22	9.7	11	11e	11e	13	26	21	17	13	11e	9.0e	12e
23	9.9	14	11e	11e	13	25	20	27	14	11e	9.0e	12e
24	9.9	12	11e	10e	13	33	19	25	14	10e	9.0e	12e
25	9.9	11	11e	10e	13	27	18	21	20	10e	9.0e	12e
26	9.9	11	11e	10e	12	25	17	19	15	10e	9.0e	12e
27	9.8	11	10e	10e	13	25	16	20	14	10e	9.0e	11e
28	9.8	11	10e	11e	15	22	15	21	13	10e	9.0e	10e
29	9.9	11	10e	11e	19	21	14	22	13	10e	9.0e	10e
30	10	11	10e	11	---	22	10	21	12	10e	9.0e	9.8
31	10	---	10e	14	---	23	---	19	---	10e	9.0e	---
TOTAL	289.6	320.9	336	347.7	360	784	829	744	481	416	279	327.8
MEAN	9.4	10.8	10.9	11.2	12.4	25.2	27.6	24.0	16.0	13.5	9.0	10.9
MAX	10	14	16	15	19	33	42	110	28	50	9.0	12
MIN	8.0	9.9	10	9.7	11	20	10	13	12	10	9.0	9.8
AC-FT	574	636	666	690	714	1555	1644	1476	954	825	553	650
CAL YEAR 2007 TOTAL			4795	MEAN	13.1	MAX	30.0	MIN	3.8	AC-FT	9512	
WTR YEAR 2008 TOTAL			5515	MEAN	15.1	MAX	110.0	MIN	8.0	AC-FT	10940	

e indicates estimated discharge.

# NIOBRARA RIVER BASIN

## BOX BUTTE RESERVOIR from Niobrara River, 06455000

LOCATION.--SW1/4NE1/4 Sec. 28-29-49 W., Dawes County, near Dunlap, Lat. 42° 27' 30", Long. 103° 04' 03"

GAGE.--Reference point

PERIOD OF RECORD.--1946 - present

REMARKS.--Values from the U.S. Bureau of Reclamation Great Plains web page.

STORAGE ( ACFT ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4065	4631	5215	4759	5293	5970	7306	8415	9278	9487	4742	4044
2	4054	4647	5220	4770	5310	6001	7347	---	9312	9512	4568	4039
3	4070	4663	5248	4786	5322	6045	7389	---	9328	9521	4920	4044
4	4070	4684	5276	4798	5352	6095	7431	---	9420	9521	4937	4054
5	4085	4700	5298	4814	5369	6133	7480	---	9462	9538	4948	4074
6	4116	4721	5327	4842	5387	6171	7508	---	9479	9521	4965	4090
7	4116	4743	5355	4859	5399	6209	7550	---	9495	9563	4976	4141
8	4137	4764	5384	4875	5416	6254	7593	---	9504	8951	4988	4172
9	4142	4781	5412	4892	5434	6292	7628	---	9504	8609	4999	4203
10	4157	4808	5430	4909	5446	6343	7736	---	9538	8216	4450	4224
11	4173	4824	5458	4931	5464	6394	7809	---	9512	7881	3993	4234
12	4188	4851	5470	4948	5488	6446	7845	---	9521	7621	3769	4281
13	4240	4889	5493	4971	5512	6498	7889	---	9512	7459	3666	4297
14	4271	4879	5532	4993	5536	6569	7940	---	9512	6953	3608	4312
15	4298	4900	5544	5033	5554	6622	7992	---	9504	6569	3828	4333
16	4313	4922	5567	5022	5578	6668	8029	---	9504	6215	3853	4349
17	4350	4938	5584	5045	5602	6714	8066	---	9504	5840	3873	4365
18	4360	4960	5607	5056	5620	6760	8096	---	9529	5584	3893	4381
19	4376	4982	5631	5067	5644	6806	8126	---	9546	5428	3908	4402
20	4397	4998	5654	5090	5662	6846	8179	---	9563	6196	3918	4413
21	4423	5026	5684	5113	5687	6893	8171	8895	9555	6209	3938	4423
22	4444	5042	5695	5130	5711	6933	8194	8943	9555	6362	3938	4439
23	4460	5053	5713	5142	5741	6966	8224	9016	9555	6414	3948	4450
24	4476	5076	5736	5159	5766	7013	8262	9057	9563	6466	3963	4461
25	4497	5098	5777	5177	5790	7040	8270	9065	9572	6478	3973	4477
26	4513	5114	5789	5188	5815	7094	8292	9106	9572	6491	3983	4487
27	4529	5137	5807	5205	5840	7128	8308	9138	9563	6511	3993	4498
28	4556	5159	5830	5235	5877	7149	8323	9163	9546	5494	3998	4509
29	4572	5176	5848	5240	5914	7189	8338	9188	9529	5136	4003	4520
30	4593	5192	5865	5258	---	7210	8361	9204	9512	4775	4008	4536
31	4609	---	5895	5275	---	7272	---	9220	---	4677	4013	---
MEAN	4311	4912	5559	5019	5570	6636	7923	9034	9502	7200	4212	4308
MAX	4609	5192	5895	5275	5914	7272	8361	9220	9572	9563	4999	4536
MIN	4054	4631	5215	4759	5293	5970	7306	8415	9278	4677	3608	4039
CAL YEAR 2007	TOTAL		453352	MEAN	4928	MAX	5895	MIN	4054	AC-FT	899200	
WTR YEAR 2008	TOTAL		2090337	MEAN	6024	MAX	9572	MIN	3608	AC-FT	4146000	

# NIOBRARA RIVER BASIN

## NIOBRARA RIVER below Box Butte Reservoir, 06455500

LOCATION.--SE1/4 Sec. 28-29-49 W., Dawes County, Lat. 42° 27' 23", Long. 103° 04' 10", on left bank  
0.2 mile downstream from Box Butte Reservoir and nine miles north of Hemingford.

DRAINAGE AREA.--Approximately 460 square miles.

GAGE.--Continuous stage recorder. Gage datum is 3,950.08 feet above sea level.

PERIOD OF RECORD.--Oct. 1946 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Flow completely regulated from Box  
Butte Reservoir. Records are good, except discharges below 2.0 cfs are fair.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 616 cubic feet per second July 2, 1968, gage height  
5.04 feet; minimum daily discharge 0.10 cubic feet per second for many days in 1947 and 1951.

EXTREMES FOR CURRENT YEAR.--Peak discharge 165 cubic feet per second July 30, gage height 4.29 feet;  
minimum daily discharge 0.56 cubic feet per second on November 5 & 6.

### DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.60	0.65	0.79	0.62	0.60	0.69	0.80	1.2	0.93	0.90	128	0.67
2	0.60	0.58	0.80	0.62	0.60	0.71	0.80	1.0	1.0	0.94	112	0.70
3	0.59	0.58	0.75	0.62	0.61	0.72	0.83	1.0	0.97	0.89	56	0.68
4	0.59	0.57	0.64	0.64	0.61	0.72	0.81	0.96	1.1	0.88	0.89	0.69
5	0.59	0.56	0.63	0.66	0.61	0.72	0.81	0.93	1.1	0.88	0.82	0.72
6	0.59	0.56	0.63	0.68	0.62	0.74	0.87	0.90	1.1	0.88	0.79	0.71
7	0.58	0.59	0.70	0.67	0.61	0.78	0.94	0.90	0.99	0.90	0.76	0.75
8	0.59	0.59	0.69	0.66	0.61	0.77	0.94	0.96	0.99	77	0.75	0.84
9	0.58	0.59	0.69	0.66	0.62	0.75	0.83	0.95	0.99	95	0.73	0.75
10	0.59	0.59	0.67	0.66	0.62	0.75	0.84	1.1	1.0	101	37	0.71
11	0.59	0.60	0.67	0.66	0.60	0.75	0.89	1.1	0.91	117	128	0.68
12	0.60	0.60	0.67	0.66	0.60	0.78	0.90	0.95	0.90	120	140	0.72
13	0.64	0.61	0.67	0.66	0.60	0.74	0.90	0.93	0.90	119	129	0.71
14	0.68	0.67	0.67	0.66	0.62	0.74	0.93	0.92	0.90	127	109	0.67
15	0.65	0.73	0.67	0.66	0.61	0.73	0.90	0.92	0.90	140	94	0.66
16	0.64	0.74	0.66	0.63	0.65	0.75	0.87	0.91	0.91	147	1.2	0.65
17	0.62	0.74	0.65	0.65	0.61	0.74	0.85	0.91	0.91	157	0.82	0.64
18	0.60	0.73	0.65	0.64	0.61	0.73	0.85	0.91	0.91	155	0.77	0.64
19	0.62	0.72	0.65	0.64	0.63	0.73	0.83	0.91	0.97	146	0.74	0.63
20	0.65	0.72	0.66	0.64	0.64	0.73	0.84	0.93	0.94	131	0.72	0.62
21	0.69	0.75	0.66	0.62	0.64	0.73	0.85	0.92	0.94	1.1	0.71	0.62
22	0.67	0.75	0.66	0.61	0.64	0.73	0.86	1.0	0.91	0.90	0.68	0.62
23	0.67	0.75	0.66	0.61	0.64	0.73	0.87	1.0	0.91	0.83	0.69	0.63
24	0.67	0.75	0.66	0.61	0.64	0.74	0.87	1.0	0.90	0.81	0.70	0.64
25	0.67	0.75	0.66	0.62	0.65	0.73	0.89	0.95	0.90	0.82	0.69	0.63
26	0.67	0.76	0.67	0.60	0.65	0.83	0.89	0.97	0.90	0.75	0.68	0.62
27	0.69	0.76	0.67	0.59	0.65	0.79	0.87	1.0	0.90	0.76	0.67	0.62
28	0.69	0.76	0.67	0.61	0.69	0.78	0.86	0.99	0.90	77	0.66	0.61
29	0.69	0.77	0.65	0.61	0.68	0.80	0.87	0.96	0.90	144	0.65	0.63
30	0.69	0.79	0.64	0.62	---	0.79	0.91	0.94	0.90	155	0.64	0.63
31	0.69	---	0.62	0.61	---	0.80	---	0.93	---	151	0.64	---
TOTAL	19.68	20.31	20.83	19.7	18.16	23.22	25.97	29.95	28.38	2171.24	949.4	20.09
MEAN	0.63	0.68	0.67	0.64	0.63	0.75	0.87	0.97	0.95	70.0	30.6	0.67
MAX	0.69	0.79	0.80	0.68	0.69	0.83	0.94	1.2	1.1	157	140	0.84
MIN	0.58	0.56	0.62	0.59	0.60	0.69	0.80	0.90	0.90	0.75	0.64	0.61
AC-FT	39	40	41	39	36	46	52	59	56	4307	1883	40
CAL YEAR 2007	TOTAL		3927	MEAN	10.8	MAX	147.0	MIN	0.56	AC-FT	7789	
WTR YEAR 2008	TOTAL		3347	MEAN	9.1	MAX	157.0	MIN	0.56	AC-FT	6639	

# NIOBRARA RIVER BASIN

**MONTAGUE CANAL from Niobrara River, 00102000**

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

DISCHARGE ( CFS ), WATER YEAR 2008

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
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NO WATER WAS DIVERTED IN 2008.

CAL YEAR 2007	TOTAL	0	MEAN	0.000	MAX	0.000	MIN	0.000	AC-FT	0.00
WTR YEAR 2008	TOTAL	0	MEAN	0.000	MAX	0.000	MIN	0.000	AC-FT	0.00

**NIOBRARA RIVER BASIN**

**LICHTE CANAL from Niobrara River, 00081000**

LOCATION.--NW1/4SW1/4 Sec. 26-29-48 W. near Dunlap

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

PERIOD OF RECORD.--1956 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
2	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
3	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
4	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
5	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
6	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
7	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
8	0.00	---	---	---	---	---	---	0.00	0.00	0.42	0.00	0.00
9	0.00	---	---	---	---	---	---	0.00	0.00	4.1	0.00	0.00
10	0.00	---	---	---	---	---	---	0.00	0.00	1.7	0.00	0.00
11	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
13	---	---	---	---	---	---	---	0.00	0.00	0.78	0.00	0.00
14	---	---	---	---	---	---	---	0.00	0.00	4.2	2.4	0.00
15	---	---	---	---	---	---	---	0.00	0.00	4.2	3.3	0.00
16	---	---	---	---	---	---	0.00	0.00	0.00	4.2	0.00	0.00
17	---	---	---	---	---	---	0.00	0.00	0.00	4.2	0.00	0.00
18	---	---	---	---	---	---	0.00	0.00	0.00	4.2	0.00	0.00
19	---	---	---	---	---	---	0.00	0.00	0.00	4.2	0.00	0.00
20	---	---	---	---	---	---	0.00	2.5	0.00	3.4	0.00	0.00
21	---	---	---	---	---	---	0.00	4.2	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	0.00	3.1	0.00	0.00	0.00	0.00
23	---	---	---	---	---	---	0.00	2.4	0.00	0.00	0.00	0.00
24	---	---	---	---	---	---	0.00	4.2	0.00	0.00	0.00	0.00
25	---	---	---	---	---	---	0.00	4.2	0.00	0.00	0.00	0.00
26	---	---	---	---	---	---	0.00	1.7	0.00	0.00	0.00	0.00
27	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
28	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
29	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
30	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	0	22.3	0	35.6	5.7	0
MEAN	0.000	---	---	---	---	---	0.000	0.72	0.000	1.1	0.18	0.000
MAX	0.00	---	---	---	---	---	0.00	4.2	0.00	4.2	3.3	0.00
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44	0.00	71	11	0.00
CAL YEAR 2007	MAX	10.0	MIN	0.000	AC-FT	147						
WTR YEAR 2008	MAX	4.2	MIN	0.000	AC-FT	126						

# NIOBRARA RIVER BASIN

## MIRAGE FLATS CANAL from Niobrara River, 00100000

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 United States Bureau of Reclamation.

### DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	0.00	0.00	134	0.00
2	---	---	---	---	---	---	---	0.00	0.00	0.00	120	0.00
3	---	---	---	---	---	---	---	0.00	0.00	0.00	109	0.00
4	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
5	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
6	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
7	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
8	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	---	0.00	0.00	63	0.00	0.00
11	---	---	---	---	---	---	---	0.00	0.00	147	18	0.00
12	---	---	---	---	---	---	---	0.00	0.00	163	131	0.00
13	---	---	---	---	---	---	---	0.00	0.00	145	130	0.00
14	---	---	---	---	---	---	---	0.00	0.00	136	111	0.00
15	---	---	---	---	---	---	---	0.00	0.00	163	48	0.00
16	---	---	---	---	---	---	---	0.00	0.00	154	34	0.00
17	---	---	---	---	---	---	---	0.00	0.00	147	0.00	0.00
18	---	---	---	---	---	---	---	0.00	0.00	134	0.00	0.00
19	---	---	---	---	---	---	---	0.00	0.00	138	0.00	0.00
20	---	---	---	---	---	---	---	0.00	0.00	147	0.00	0.00
21	---	---	---	---	---	---	---	0.00	0.00	47	0.00	0.00
22	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
23	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
24	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
25	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
26	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
27	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
28	---	---	---	---	---	---	---	0.00	0.00	68	0.00	0.00
29	---	---	---	---	---	---	---	0.00	0.00	121	0.00	0.00
30	---	---	---	---	---	---	---	0.00	0.00	168	0.00	0.00
31	---	---	---	---	---	---	---	0.00	---	140	0.00	---
TOTAL	0	0	0	0	0	0	0	0	0	2081	835	0
MEAN	---	---	---	---	---	---	---	0.000	0.000	67.1	27.0	0.000
MAX	---	---	---	---	---	---	---	0.00	0.00	168	134	0.00
MIN	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4128	1656	0.00
CAL YEAR 2007	MAX	133.0	MIN	0.000	AC-FT	6968						
WTR YEAR 2008	MAX	168.0	MIN	0.000	AC-FT	5784						

# NIOBRARA RIVER BASIN

**POTMESIL CANAL from Niobrara River, 00124000**

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.5	---	---	---	---	---	---	0.00	0.00	4.4	4.8	0.00
2	---	---	---	---	---	---	---	0.00	0.00	5.0	5.0	0.00
3	---	---	---	---	---	---	---	0.00	0.00	5.0	5.2	0.00
4	---	---	---	---	---	---	---	0.00	0.00	4.3	6.1	0.00
5	---	---	---	---	---	---	---	0.00	0.00	4.7	6.1	0.00
6	---	---	---	---	---	---	---	0.00	0.00	5.1	6.1	0.00
7	---	---	---	---	---	---	---	0.00	0.00	5.4	6.1	0.00
8	---	---	---	---	---	---	---	0.00	0.00	6.0	6.1	0.00
9	---	---	---	---	---	---	---	0.00	0.00	6.0	6.1	0.00
10	---	---	---	---	---	---	---	0.00	0.00	6.0	5.8	0.00
11	---	---	---	---	---	---	---	0.00	3.7	5.7	5.3	0.00
12	---	---	---	---	---	---	---	0.00	5.8	6.0	5.7	0.00
13	---	---	---	---	---	---	---	0.00	5.4	6.0	5.7	0.00
14	---	---	---	---	---	---	---	0.00	5.6	5.7	5.3	0.00
15	---	---	---	---	---	---	---	0.00	5.4	5.7	1.6	0.00
16	---	---	---	---	---	---	0.00	0.00	5.3	6.0	0.00	0.00
17	---	---	---	---	---	---	0.00	0.00	5.3	6.0	0.00	0.00
18	---	---	---	---	---	---	0.00	0.00	5.3	6.0	2.2	0.00
19	---	---	---	---	---	---	0.00	0.00	5.0	6.0	6.3	0.00
20	---	---	---	---	---	---	0.00	0.00	4.8	5.8	6.3	0.00
21	---	---	---	---	---	---	0.00	0.00	4.1	5.0	6.3	0.00
22	---	---	---	---	---	---	0.00	0.00	4.6	6.0	6.1	0.00
23	---	---	---	---	---	---	0.00	0.00	4.6	6.0	6.1	0.00
24	---	---	---	---	---	---	0.00	0.00	4.6	6.0	6.1	0.00
25	---	---	---	---	---	---	0.00	0.00	4.7	6.0	6.1	0.00
26	---	---	---	---	---	---	0.00	0.00	4.4	6.0	5.7	0.00
27	---	---	---	---	---	---	0.00	0.00	4.3	6.0	3.7	0.00
28	---	---	---	---	---	---	0.00	0.00	3.9	3.7	0.00	0.00
29	---	---	---	---	---	---	0.00	0.00	4.1	5.6	0.00	0.00
30	---	---	---	---	---	---	0.00	0.00	3.7	5.3	0.00	0.00
31	---	---	---	---	---	---	---	0.00	---	5.4	0.00	---
TOTAL	4.5	0	0	0	0	0	0	0	94.6	171.8	135.9	0
MEAN	4.5	---	---	---	---	---	0.000	0.000	3.2	5.5	4.4	0.000
MAX	4.5	---	---	---	---	---	0.00	0.00	5.8	6.0	6.3	0.00
MIN	4.5	---	---	---	---	---	0.00	0.00	0.00	3.7	0.00	0.00
AC-FT	8.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	188	341	270	0.00
CAL YEAR 2007	MAX	6.2	MIN	0.000	AC-FT	792						
WTR YEAR 2008	MAX	6.3	MIN	0.000	AC-FT	807						



## NIOBRARA RIVER BASIN

## NIOBRARA RIVER near Nenzel, 06459025

LOCATION.--NW1/4NW1/4 Sec. 30-33-32 W., Cherry County, Lat. 42°48'17", Long. 101°07'23", near left bank about 50 feet upstream from centerline of Nebraska Spur 16F bridge, about 16 miles south of Nenzel.

DRAINAGE AREA.--Unknown.

GAGE.--Continuous stage recorder. Elevation of gage about 2,690 ft. above sea level from Cody SE 7.5' topographic map.

PERIOD OF RECORD.--July 2, 2008 - present

REMARKS.--Records are fair.

EXTREMES FOR CURRENT YEAR.--Complete record not available.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	249	280
2	---	---	---	---	---	---	---	---	---	---	250	313
3	---	---	---	---	---	---	---	---	---	320	252	294
4	---	---	---	---	---	---	---	---	---	316	248	289
5	---	---	---	---	---	---	---	---	---	295	318	302
6	---	---	---	---	---	---	---	---	---	291	368	314
7	---	---	---	---	---	---	---	---	---	283	316	326
8	---	---	---	---	---	---	---	---	---	275	284	365
9	---	---	---	---	---	---	---	---	---	275	284	363
10	---	---	---	---	---	---	---	---	---	275	279	336
11	---	---	---	---	---	---	---	---	---	277	281	330
12	---	---	---	---	---	---	---	---	---	260	283	322
13	---	---	---	---	---	---	---	---	---	260	331	329
14	---	---	---	---	---	---	---	---	---	260	288	321
15	---	---	---	---	---	---	---	---	---	257	293	314
16	---	---	---	---	---	---	---	---	---	274	324	306
17	---	---	---	---	---	---	---	---	---	267	331	300
18	---	---	---	---	---	---	---	---	---	269	323	295
19	---	---	---	---	---	---	---	---	---	296	301	291
20	---	---	---	---	---	---	---	---	---	296	269	290
21	---	---	---	---	---	---	---	---	---	268	265	301
22	---	---	---	---	---	---	---	---	---	270	266	299
23	---	---	---	---	---	---	---	---	---	284	261	318
24	---	---	---	---	---	---	---	---	---	280	262	293
25	---	---	---	---	---	---	---	---	---	323	269	291
26	---	---	---	---	---	---	---	---	---	313	271	284
27	---	---	---	---	---	---	---	---	---	282	278	284
28	---	---	---	---	---	---	---	---	---	276	270	281
29	---	---	---	---	---	---	---	---	---	267	265	285
30	---	---	---	---	---	---	---	---	---	264	260	286
31	---	---	---	---	---	---	---	---	---	251	251	---
TOTAL	0	0	0	0	0	0	0	0	0	8124	8790	9202
MEAN	---	---	---	---	---	---	---	---	---	280.2	283.5	306.7
MAX	---	---	---	---	---	---	---	---	---	323	368	365
MIN	---	---	---	---	---	---	---	---	---	251	248	280
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16110	17430	18250
CAL YEAR 2007												
WTR YEAR 2008	TOTAL		26116	MEAN	290.2	MAX	368.0	MIN	248.0	AC-FT	51800	

# NIOBRARA RIVER BASIN

## SNAKE RIVER at Doughboy, 06459175

LOCATION.--NEL/4NW1/4 Sec. 2-30-34 W., Cherry County, Lat. 42°36'51", Long. 101°16'38", on left bank 21 feet downstream from centerline of Doughboy bridge, 24 miles southwest of Nenzel.

DRAINAGE AREA.--Approximately 405 square miles, about 26 square miles of contributing drainage area.

GAGE.--Continuous stage recorder. Datum of gage is 3,095.92 ft. above National Geodetic Vertical Datum of 1929. Gage Datum was 3097.92 ft. from October 1, 1988 to May 17, 1994. Before October 1, 1988, gage datum was 3,098.92 ft.

PERIOD OF RECORD.--1981 - present

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1993. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 469 cubic feet per second June 18, 2003, gage height 2.08 feet; maximum gage height 5.92 feet, present datum, January 7, 1982, due to backwater from ice; minimum daily discharge 79 cubic feet per second March 12, 1988.

EXTREMES FOR CURRENT YEAR.--Peak discharge 344 cubic feet per second June 5, gage height 1.10 feet; minimum daily discharge 119 cubic feet per second estimated January 17.

### DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	171	157	152	131e	130	183	160	157	152	159	150	161
2	165	157	152	136e	133	189	164	157	224	166	150	175
3	159	157	152	145	132	169	171	152	248	164	150	168
4	154	158	154	142	135	170	169	159	225	165	148	160
5	157	159	160	145	131e	164	169	163	275	164	158	162
6	161	152	163	147	127e	159	156	168	293	161	155	165
7	184	156	162	145	130	155	149	166	304	162	154	167
8	181	160	156	136	134	161	150	165	292	162	152	192
9	169	162	153	138	133	164	153	161	219	165	151	188
10	165	163	150	138	132e	163	169	161	184	163	152	172
11	161	163	154	138	130e	169	167	161	179	165	162	171
12	162	161	152	137	132e	170	172	163	169	176	157	169
13	168	161	151	137	138e	168	172	164	163	163	183	177
14	193	156	153	139	139e	170	218	157	163	160	165	170
15	200	154	151	136	140	161	232	158	163	159	158	163
16	186	157	149	131	146	163	207	156	163	155	163	164
17	178	164	150	119e	150	168	167	152	165	148	161	162
18	177	167	150	123e	143	170	156	149	175	148	158	160
19	167	168	151	123e	148	171	154	149	179	156	156	159
20	167	166	153	130e	149	167	152	148	170	151	152	159
21	173	160	152	137e	147	165	149	147	166	163	151	163
22	169	158	140e	127e	150	165	144	164	164	162	149	165
23	165	157	137e	140e	156	159	146	231	160	161	148	172
24	165	158	145	149e	162	160	171	252	175	165	150	171
25	166	159	149	141e	167	159	165	260	170	190	153	164
26	167	162	142	137e	164	158	161	216	165	167	152	165
27	160	159	140	134	166	162	158	175	165	158	151	162
28	160	160	139	140	168	158	159	162	161	157	149	161
29	162	157	135e	131e	172	159	158	158	156	155	150	162
30	162	152	138e	137	---	157	158	157	159	153	148	161
31	158	---	136e	132	---	158	---	151	---	150	149	---
TOTAL	5232	4780	4621	4221	4184	5114	4976	5239	5746	4993	4785	5010
MEAN	168.8	159.3	149.0	136.1	144.4	165.0	165.8	169.0	191.5	161.1	154.4	167.0
MAX	200	168	163	149	172	189	232	260	304	190	183	192
MIN	154	152	135	119	127	155	144	147	152	148	148	159
AC-FT	10380	9481	9166	8372	8299	10140	9870	10390	11400	9903	9491	9937
CAL YEAR 2007 TOTAL			58402	MEAN	160.0	MAX	224.0	MIN	132.0	AC-FT	115800	
WTR YEAR 2008 TOTAL			58901	MEAN	160.9	MAX	304.0	MIN	119.0	AC-FT	116800	

e indicates estimated discharge.

# NIOBRARA RIVER BASIN

## MERRITT RESERVOIR from Snake River, 06459300

LOCATION.--SW1/4NW1/4 Sec. 29-31-30 W.

GAGE.--Reference point

PERIOD OF RECORD.--1965 - present

REMARKS.--Values furnished by Ainsworth Irrigation District

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of conservation pool	2946.0	74,486
Top of dead storage	2875.0	1,614

### STORAGE ( ACFT ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	40360	52950	61100	60830	61100	61100	61100	66730	66730	67600	55260	44070
2	40900	53400	61100	60830	61100	61370	61370	66730	67020	67310	54560	43310
3	41080	53630	61100	60560	61100	61370	61640	66730	67020	67020	53860	42930
4	41630	54090	61100	60830	61100	61370	61640	66730	67310	67020	53170	42370
5	42000	54560	61100	61100	61100	61640	61910	66730	67310	66730	52280	42000
6	42370	54790	61100	61100	61100	61370	62190	66730	67900	66440	51620	41630
7	42740	55030	61100	61370	61100	61370	62190	66730	67900	65860	51840	41440
8	42930	55500	61100	61370	61100	61370	62460	66730	68190	65570	51840	41440
9	43310	55740	61100	61370	60830	61100	62740	66730	67900	65000	51620	41810
10	43690	56230	61100	61370	60830	61100	63020	66730	67900	64430	51620	42000
11	44070	56470	61100	61370	60830	60830	63300	66730	67600	63860	51190	42000
12	44260	56960	61100	61100	60830	61100	63580	66730	67310	63020	50550	42370
13	44840	57210	61100	61100	61100	61100	63860	66440	67020	62460	50760	42550
14	45430	57710	61100	61100	61100	61100	64140	66440	67310	61910	50980	42550
15	46220	57970	61100	61100	61100	61100	64430	66730	67310	61100	51190	42740
16	46820	58480	61100	61100	61370	61370	64710	66730	67310	60300	51410	42740
17	47230	58730	61100	61100	61370	61370	65000	66730	67600	59770	51620	42930
18	47840	59250	61100	60830	61370	61100	65280	66730	67600	59250	51620	42930
19	48250	59510	61100	60830	61370	61100	65280	66730	67600	58730	51410	42740
20	48660	60030	61100	60830	61370	61100	65280	66440	67900	58220	50980	42740
21	49080	60300	61100	60830	61100	61100	65570	66440	67900	57970	50340	42740
22	49490	60560	61100	60830	61370	61100	65570	66730	67900	58220	49490	42740
23	49920	60560	61100	60830	61100	61100	65570	67310	67900	58220	48870	43120
24	50130	60560	61100	60830	61370	61100	65570	67310	67900	58480	48250	43500
25	50550	60560	61100	60830	61100	61100	65860	67310	67900	58480	47630	43880
26	50980	60560	61100	61100	61100	61100	65860	67310	67900	58480	47030	44460
27	51410	60560	61100	61100	61100	61100	66150	67310	67900	58480	46420	44840
28	51840	60830	61100	61100	61100	61100	66150	67310	67900	58220	45830	45240
29	52060	61100	61100	61370	61100	61100	66440	67020	67600	57710	45240	45630
30	52280	61100	61100	61370	---	61100	66440	67020	67600	56960	44650	46020
31	52720	---	60830	61100	---	60830	---	67020	---	56230	44260	---
MEAN	46620	57830	61090	61050	61130	61170	64140	66830	67600	61580	50240	43050
MAX	52720	61100	61100	61370	61370	61640	66440	67310	68190	67600	55260	46020
MIN	40360	52950	60830	60560	60830	60830	61100	66440	66730	56230	44260	41440
CAL YEAR 2007	TOTAL	5073850	MEAN	55150	MAX	61100	MIN	40360	AC-FT	10060000		
WTR YEAR 2008	TOTAL	21417460	MEAN	58520	MAX	68190	MIN	40360	AC-FT	42480000		

# NIOBRARA RIVER BASIN

**AINSWORTH CANAL from Merritt Reservoir, 00001000**

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	0.00	55	174	567	456
2	---	---	---	---	---	---	---	0.00	52	197	571	529
3	---	---	---	---	---	---	---	0.00	51	201	571	503
4	---	---	---	---	---	---	---	0.00	51	231	571	485
5	---	---	---	---	---	---	---	0.00	51	274	568	421
6	---	---	---	---	---	---	---	0.00	51	315	293	315
7	---	---	---	---	---	---	---	0.00	51	359	154	328
8	---	---	---	---	---	---	---	0.00	51	394	222	182
9	---	---	---	---	---	---	---	0.00	51	435	291	91
10	---	---	---	---	---	---	---	0.00	51	450	346	86
11	---	---	---	---	---	---	---	15	51	451	464	86
12	---	---	---	---	---	---	---	126	54	466	248	86
13	---	---	---	---	---	---	---	102	57	488	135	86
14	---	---	---	---	---	---	---	102	57	507	123	86
15	---	---	---	---	---	---	---	81	63	514	110	91
16	---	---	---	---	---	---	---	65	66	528	110	106
17	---	---	---	---	---	---	---	60	66	507	154	151
18	---	---	---	---	---	---	---	60	59	473	250	180
19	---	---	---	---	---	---	---	60	55	400	379	160
20	---	---	---	---	---	---	---	64	56	389	499	160
21	---	---	---	---	---	---	---	75	56	211	574	152
22	---	---	---	---	---	---	---	73	62	143	578	46
23	---	---	---	---	---	---	---	60	66	157	561	0.00
24	---	---	---	---	---	---	---	56	66	170	553	0.00
25	---	---	---	---	---	---	---	56	71	206	547	0.00
26	---	---	---	---	---	---	---	56	76	225	522	0.00
27	---	---	---	---	---	---	---	56	86	272	507	0.00
28	---	---	---	---	---	---	---	56	96	396	522	0.00
29	---	---	---	---	---	---	---	56	105	515	491	0.00
30	---	---	---	---	---	---	---	56	130	560	411	0.00
31	---	---	---	---	---	---	---	56	---	574	410	---
TOTAL	0	0	0	0	0	0	0	1391	1913	11182	12302	4786
MEAN	0.000	---	---	---	---	---	---	44.8	63.8	360.7	396.8	159.5
MAX	0.00	---	---	---	---	---	---	126	130	574	578	529
MIN	0.00	---	---	---	---	---	---	0.00	51	143	110	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2759	3794	22180	24400	9493
CAL YEAR 2007	MAX	636.0	MIN	0.000	AC-FT	75650						
WTR YEAR 2008	MAX	578.0	MIN	0.000	AC-FT	62630						

# NIOBRARA RIVER BASIN

## SNAKE RIVER near Burge, 06459500

LOCATION.--NE1/4 Sec. 20, T. 31N, R. 30 W., Cherry County, Lat. 42° 39' 15", Long. 100° 51' 28", at right bank 150 ft. downstream from Nebraska National Forest boundary, 2.1 miles downstream from Merritt Dam, 6.5 miles southwest of Burge, and 22 miles southwest of Valentine.

DRAINAGE AREA.--Approximately 660 square miles, of which 44 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder, datum of gage is 2,805.36 ft. above sea level (levels by U. S. Bureau of Reclamation).

PERIOD OF RECORD.--June 1947 - present

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1994. Record are good. Natural flow affected since February 1964 by storage in Merritt Reservoir (station 06459300) 2.1 miles upstream.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 3,170 cubic feet per second February 7, 1963, gage height 6.96 feet from release of storage behind a temporary construction dike. Determined from extending rating curve above 520 cubic feet per second on basis of slope-area measurement at gage height 5.39 feet. Minimum daily discharge 5.8 cubic feet per second May 24-27, 1964.

EXTREMES FOR CURRENT YEAR.--Peak discharge 384 cubic feet per second June 6, gage height 2.34 feet; minimum daily discharge 13 cubic feet per second September 24, 28, 29.

### DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	31	39	200	205	271	260	193	253	296	112	41	27
2	39	39	200	205	270	260	173	260	304	96	40	27
3	39	40	200	184	270	260	173	264	277	87	40	26
4	39	40	200	169	269	260	173	264	300	84	40	27
5	39	40	200	167	269	266	172	264	290	78	41	28
6	40	41	200	190	268	270	174	265	379	72	42	28
7	40	41	219	213	268	270	175	265	375	61	42	28
8	40	41	228	235	267	271	175	269	374	38	42	41
9	41	42	228	236	237	270	174	268	369	39	42	93
10	43	42	230	237	220	270	176	269	355	40	41	101
11	45	42	230	239	219	252	176	268	337	40	41	101
12	35	43	214	240	219	241	174	212	315	41	41	101
13	36	43	205	241	219	241	174	155	205	41	41	100
14	37	45	206	243	219	241	173	127	90	41	38	98
15	37	45	206	244	218	241	175	182	97	41	30	98
16	37	45	206	239	219	258	176	214	104	41	30	98
17	37	46	223	220	243	263	176	214	112	42	30	98
18	37	46	233	215	263	263	203	214	118	42	30	97
19	37	47	233	216	263	263	222	214	129	42	30	97
20	37	64	225	216	262	263	224	159	137	42	30	97
21	37	94	220	218	262	264	222	136	142	42	29	97
22	36	145	220	219	262	264	223	138	142	42	29	97
23	36	187	220	223	261	264	228	226	142	42	28	51
24	37	200	220	192	261	264	193	289	144	42	27	13
25	37	181	220	182	261	264	177	294	144	42	27	14
26	37	169	220	219	260	264	176	292	143	42	27	14
27	37	170	220	220	260	264	176	324	142	42	27	14
28	37	170	220	221	259	264	180	331	135	42	27	13
29	37	170	220	237	260	264	191	323	127	42	27	13
30	37	185	220	272	---	265	218	308	121	42	27	14
31	39	---	211	271	---	242	---	299	---	40	27	---
TOTAL	1173	2542	6697	6828	7299	8066	5615	7560	6345	1580	1054	1751
MEAN	37.9	84.7	216.0	220.3	251.7	260.1	187.2	243.9	211.5	51.0	34.0	58.5
MAX	45	200	233	272	271	271	228	331	379	112	42	101
MIN	31	39	200	167	218	241	172	127	90	38	27	13
AC-FT	2327	5042	13280	13540	14480	16000	11140	15000	12590	3134	2091	3473
CAL YEAR 2007	TOTAL		52676	MEAN	144.3	MAX	326.0	MIN	11.0	AC-FT	104500	
WTR YEAR 2008	TOTAL		56510	MEAN	154.4	MAX	379.0	MIN	13.0	AC-FT	112100	

# NIOBRARA RIVER BASIN

**KEYA PAHA RIVER near Naper, 06464900**

LOCATION.--SE1/4SE1/4 Sec. 17-34-15 W., Boyd County, Lat. 42°55'00", Long. 99°05'50", on left upstream bank near highway bridge abutment, 3.3 miles south of Naper, and 8.8 miles upstream from mouth.

DRAINAGE AREA.--1,690 square miles (as revised in 1994 by U. S. Geological Survey).

GAGE.--Continuous stage recorder. Datum of gage is 1,680 feet above sea level, from topographic map. Non-recording gage at same site and datum before May 2, 1958.

PERIOD OF RECORD.--1957 - present

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 9,280 cubic feet per second July 1, 1962, gage height 10.91 feet; maximum gage height 13.34 feet March 23, 1960, due to backwater from ice jam; no flow July 22-30, August 10, 11, 1976, August 3, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharge 3,770 cubic feet per second June 6, gage height 9.35 feet; minimum daily discharge 36 cubic feet per second September 1.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	58	110	72e	54e	84e	231e	257	269	253	163	66	36
2	57	106	95e	69e	90e	245e	276	272	320	150	64	44
3	56	104	137e	72e	85e	217e	323	344	431	141	67	44
4	53	99	117e	68e	96e	181e	370	415	613	137	66	48
5	52	102	143e	73e	123e	197e	390	406	1140	131	62	58
6	51	104	129e	96e	105e	203e	377	371	3050	129	69	62
7	54	104	127e	110e	127e	170e	315	327	2160	135	64	63
8	54	103	95e	96e	173e	136e	300	320	1580	145	66	72
9	55	106	74e	84e	158e	231e	289	323	1250	133	61	72
10	56	107	93e	95e	165e	217e	312	295	942	124	61	66
11	58	105	137e	108e	139e	287e	412	276	612	110	69	66
12	59	105	117e	92e	105e	335e	411	250	437	100	111	65
13	62	106	142e	70e	167e	428e	450	248	399	96	104	67
14	80	107	106e	83e	137e	279	572	215	431	93	100	70
15	125	107	132e	98e	162e	271	544	208	370	93	97	64
16	144	103	114e	100e	179e	260	568	196	319	90	129	60
17	142	105	136e	85e	183e	245	507	173	282	86	124	59
18	174	105	144e	83e	172e	234	414	155	539	93	97	57
19	186	107	131e	64e	159e	236	360	145	309	114	86	54
20	184	112	145e	84e	128e	236	434	126	246	114	77	56
21	195	115	135e	72e	150e	227	361	118	216	112	70	55
22	178	114	121e	59e	184e	240	289	115	199	103	67	57
23	160	99e	110e	67e	205e	225	255	153	188	103	64	61
24	144	78e	104e	48e	155e	217	234	369	177	108	57	65
25	133	91e	119e	77e	204e	214	261	481	164	99	53	62
26	128	94e	110e	84e	174e	217	275	346	163	87	49	60
27	124	106e	84e	110e	189e	218	314	327	154	76	48	61
28	122	70e	72e	89e	214e	218	375	284	140	75	47	62
29	117	50e	61e	89e	206e	228	363	288	146	88	46	62
30	118	52e	67e	81e	---	237	303	285	189	78	42	60
31	115	---	72e	77e	---	253	---	279	---	70	39	---
TOTAL	3294	2976	3441	2537	4418	7333	10911	8379	17419	3376	2222	1788
MEAN	106.4	99.1	111.0	81.9	152.4	236.5	363.8	270.4	580.5	108.9	71.7	59.6
MAX	195	115	145	110	214	428	572	481	3050	163	129	72
MIN	51	50	61	48	84	136	234	115	140	70	39	36
AC-FT	6534	5903	6825	5032	8763	14540	21640	16620	34550	6696	4407	3546
CAL YEAR 2007	TOTAL		91751	MEAN	251.4	MAX	5580	MIN	33.0	AC-FT	182000	
WTR YEAR 2008	TOTAL		68094	MEAN	186.0	MAX	3050	MIN	36.0	AC-FT	135100	

e indicates estimated discharge.

## NORTH PLATTE RIVER BASIN

## FORT LARAMIE CANAL from North Platte River, 00052000

LOCATION.--SW1/4NW1/4 Sec. 11-26-65 W., Wyo.

GAGE.--Continuous stage recorder and parshall flume

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

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

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	0.00	1430	1470	1460
2	---	---	---	---	---	---	---	107	0.00	1460	1470	1420
3	---	---	---	---	---	---	---	674	0.00	1490	1470	1350
4	---	---	---	---	---	---	---	719	0.00	1490	1480	1320
5	---	---	---	---	---	---	---	714	0.00	1480	1500	1300
6	---	---	---	---	---	---	---	769	0.00	1470	1500	1240
7	---	---	---	---	---	---	---	905	0.00	1470	1500	1190
8	---	---	---	---	---	---	---	887	0.00	1480	1500	965
9	---	---	---	---	---	---	---	1000	0.00	1490	1500	582
10	---	---	---	---	---	---	---	999	0.00	1500	1480	172
11	---	---	---	---	---	---	---	1050	0.00	1500	1490	32
12	---	---	---	---	---	---	---	1130	0.00	1500	1490	0.00
13	---	---	---	---	---	---	---	1130	262	1500	1480	0.00
14	---	---	---	---	---	---	---	1130	516	1500	1470	0.00
15	---	---	---	---	---	---	---	1160	518	1500	1440	0.00
16	---	---	---	---	---	---	---	1150	593	1500	1400	0.00
17	---	---	---	---	---	---	---	1130	663	1500	1380	0.00
18	---	---	---	---	---	---	---	1140	700	1500	1340	0.00
19	---	---	---	---	---	---	---	1170	821	1500	1320	0.00
20	---	---	---	---	---	---	---	1190	864	1500	1320	0.00
21	---	---	---	---	---	---	---	1190	861	1500	1330	0.00
22	---	---	---	---	---	---	---	1180	923	1490	1330	0.00
23	---	---	---	---	---	---	---	1050	1010	1470	1370	0.00
24	---	---	---	---	---	---	---	910	1050	1450	1370	0.00
25	---	---	---	---	---	---	---	767	1050	1450	1370	0.00
26	---	---	---	---	---	---	---	275	1090	1440	1400	0.00
27	---	---	---	---	---	---	---	0.00	1190	1440	1430	0.00
28	---	---	---	---	---	---	---	0.00	1280	1450	1460	0.00
29	---	---	---	---	---	---	---	0.00	1320	1450	1450	0.00
30	---	---	---	---	---	---	---	0.00	1360	1450	1450	0.00
31	---	---	---	---	---	---	---	0.00	---	1460	1460	---
TOTAL	0	0	0	0	0	0	0	23526	16071	45810	44420	11031
MEAN	---	---	---	---	---	---	---	758.9	535.9	1478	1433	367.4
MAX	---	---	---	---	---	---	---	1190	1360	1500	1500	1460
MIN	---	---	---	---	---	---	---	0.00	0.00	1430	1320	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46660	31880	90860	88110	21880
CAL YEAR 2007	MAX	1510	MIN	0.000	AC-FT	250600						
WTR YEAR 2008	MAX	1500	MIN	0.000	AC-FT	279400						

NORTH PLATTE RIVER BASIN

FORT LARAMIE CANAL from North Platte River @ Mile Post 85.3, 00052200

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

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

PERIOD OF RECORD.--1981 - present

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	0.00	596	612	592
2	---	---	---	---	---	---	---	0.00	0.00	605	617	590
3	---	---	---	---	---	---	---	0.00	0.00	603	614	581
4	---	---	---	---	---	---	---	0.00	0.00	614	614	572
5	---	---	---	---	---	---	---	0.00	0.00	610	605	561
6	---	---	---	---	---	---	---	404	0.00	605	605	559
7	---	---	---	---	---	---	---	414	0.00	605	608	555
8	---	---	---	---	---	---	---	445	0.00	608	605	533
9	---	---	---	---	---	---	---	389	0.00	608	617	500
10	---	---	---	---	---	---	---	392	0.00	617	623	370
11	---	---	---	---	---	---	---	408	0.00	610	617	216
12	---	---	---	---	---	---	---	410	0.00	596	608	0.00
13	---	---	---	---	---	---	---	408	0.00	601	605	80
14	---	---	---	---	---	---	---	398	0.00	601	612	48
15	---	---	---	---	---	---	---	385	0.00	601	623	0.00
16	---	---	---	---	---	---	---	385	46	608	619	0.00
17	---	---	---	---	---	---	---	381	204	610	619	0.00
18	---	---	---	---	---	---	---	383	263	610	619	0.00
19	---	---	---	---	---	---	---	377	278	599	619	0.00
20	---	---	---	---	---	---	---	383	311	605	614	0.00
21	---	---	---	---	---	---	---	374	372	605	617	0.00
22	---	---	---	---	---	---	---	381	381	617	599	0.00
23	---	---	---	---	---	---	---	391	398	617	570	0.00
24	---	---	---	---	---	---	---	376	479	614	579	0.00
25	---	---	---	---	---	---	---	335	465	619	596	0.00
26	---	---	---	---	---	---	---	300	451	610	592	0.00
27	---	---	---	---	---	---	---	212	475	617	579	0.00
28	---	---	---	---	---	---	---	109	485	623	594	0.00
29	---	---	---	---	---	---	---	0.00	538	617	592	0.00
30	---	---	---	---	---	---	---	0.00	542	614	585	0.00
31	---	---	---	---	---	---	---	0.00	---	610	590	---
TOTAL	0	0	0	0	0	0	0	8440	5688	18875	18768	5757
MEAN	---	---	---	---	---	---	---	272.3	189.6	608.9	605.4	191.9
MAX	---	---	---	---	---	---	---	445	542	623	623	592
MIN	---	---	---	---	---	---	---	0.00	0.00	596	570	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16740	11280	37440	37230	11420
CAL YEAR 2007	MAX	621.0	MIN	0.000	AC-FT	99630						
WTR YEAR 2008	MAX	623.0	MIN	0.000	AC-FT	114100						



## NORTH PLATTE RIVER BASIN

## INTERSTATE CANAL from North Platte River, 00071000

LOCATION.--SW1/4 Sec. 12-26-65 W., Wyo.

GAGE.--Continuous stage recorder and concrete siphon

PERIOD OF RECORD.--1915 - present

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

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	962	901	1660	1590	1580
2	---	---	---	---	---	---	0.00	926	897	1670	1590	1570
3	---	---	---	---	---	---	0.00	901	865	1710	1590	1570
4	---	---	---	---	---	---	0.00	926	844	1730	1590	1570
5	---	---	---	---	---	---	0.00	940	847	1760	1640	1570
6	---	---	---	---	---	---	0.00	960	847	1760	1630	1560
7	---	---	---	---	---	---	0.00	952	851	1770	1630	1520
8	---	---	---	---	---	---	0.00	947	854	1820	1630	1490
9	---	---	---	---	---	---	0.00	950	851	1810	1630	1470
10	---	---	---	---	---	---	0.00	947	788	1820	1630	1130
11	---	---	---	---	---	---	0.00	964	750	1800	1620	506
12	---	---	---	---	---	---	0.00	982	237	1770	1620	0.00
13	---	---	---	---	---	---	0.00	1040	0.00	1750	1640	0.00
14	---	---	---	---	---	---	0.00	1200	0.00	1710	1650	0.00
15	---	---	---	---	---	---	0.00	1240	0.00	1670	1620	0.00
16	---	---	---	---	---	---	0.00	1260	0.00	1670	1480	0.00
17	---	---	---	---	---	---	0.00	1330	0.00	1660	1450	0.00
18	---	---	---	---	---	---	0.00	1350	0.00	1630	1440	0.00
19	---	---	---	---	---	---	0.00	1390	0.00	1610	1460	0.00
20	---	---	---	---	---	---	0.00	1430	0.00	1600	1490	0.00
21	---	---	---	---	---	---	0.00	1480	0.00	1590	1490	0.00
22	---	---	---	---	---	---	0.00	1480	210	1590	1490	0.00
23	---	---	---	---	---	---	583	1450	887	1590	1490	0.00
24	---	---	---	---	---	---	887	1410	926	1590	1490	0.00
25	---	---	---	---	---	---	962	1340	1060	1550	1510	0.00
26	---	---	---	---	---	---	977	1360	1200	1550	1580	0.00
27	---	---	---	---	---	---	992	1300	1210	1550	1580	0.00
28	---	---	---	---	---	---	989	1250	1280	1550	1570	0.00
29	---	---	---	---	---	---	992	992	1400	1540	1570	0.00
30	---	---	---	---	---	---	969	885	1570	1540	1570	0.00
31	---	---	---	---	---	---	---	885	---	1560	1570	---
TOTAL	0	0	0	0	0	0	7351	35429	19275	51580	48530	15536
MEAN	---	---	---	---	---	---	245.0	1143	642.4	1664	1565	517.9
MAX	---	---	---	---	---	---	992	1480	1570	1820	1650	1580
MIN	---	---	---	---	---	---	0.00	885	0.00	1540	1440	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	14580	70270	38230	102300	96260	30820
CAL YEAR 2007	MAX	1880	MIN	0.000	AC-FT	365800						
WTR YEAR 2008	MAX	1820	MIN	0.000	AC-FT	352500						

# NORTH PLATTE RIVER BASIN

**LAKE ALICE RESERVOIR from North Platte, 00400300**

LOCATION.--Sec. 8 & 15-23-54 W. near Scottsbluff

GAGE.--Reference point

PERIOD OF RECORD.--1977 - present

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

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of conservation pool	4192.0	11,100
Top of dead storage pool	4159.0	0

STORAGE ( ACFT ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	528	288	110	25	27	34	27	2547	3719	7672	7124	3924
2	515	280	104	25	27	27	27	2824	3852	7849	6963	3796
3	505	273	103	25	27	27	27	3128	3992	7863	6790	3868
4	489	263	103	25	27	27	27	3403	4162	7856	6579	3730
5	481	256	95	26	26	27	27	3675	4283	7760	6375	3609
6	497	250	92	25	26	27	27	3941	4346	7699	6179	3620
7	464	243	85	25	26	27	27	4179	4398	7563	5985	3571
8	456	238	66	25	27	27	27	4277	4427	7380	5805	3484
9	439	231	60	25	26	27	27	4363	4468	7184	5640	3430
10	427	226	55	25	26	27	27	4439	4532	7043	5477	3397
11	427	217	46	25	26	27	27	4532	4527	6930	5303	3280
12	413	212	43	25	26	27	27	4609	4433	6877	5125	2819
13	425	204	38	25	26	27	27	4656	4668	6877	4955	2485
14	422	194	37	25	26	27	27	4644	5137	6917	4847	1935
15	415	191	36	26	26	27	27	4597	5192	6943	4877	1334
16	404	185	80	25	26	27	27	4433	5143	6950	5010	753
17	427	179	29	26	26	27	27	4202	5266	6950	5174	637
18	394	173	27	25	26	27	27	4020	5223	6937	5309	640
19	385	168	25	25	29	27	27	3846	5168	6923	5409	649
20	378	159	26	25	32	27	27	3647	5113	6850	5527	640
21	374	158	25	25	29	27	27	3419	5058	6777	5615	667
22	363	156	25	25	29	27	27	3387	4991	6750	5596	667
23	356	148	25	25	28	27	27	3457	4937	6764	5458	676
24	348	144	25	25	32	27	27	3532	4895	6850	5291	652
25	341	139	25	26	36	27	26	3543	5552	7010	5070	661
26	331	135	25	25	60	27	1040	3516	6244	7251	4799	679
27	322	133	25	25	35	27	949	3565	6790	7461	4550	682
28	318	124	25	33	70	27	1334	3609	7090	7590	4329	670
29	310	119	26	33	40	27	1744	3603	7258	7617	4196	655
30	304	114	26	28	---	27	2165	3560	7434	7529	4031	640
31	294	---	26	28	---	27	---	3631	---	7339	3919	---
MEAN	405	193	50	26	31	27	264	3832	5077	7225	5397	1942
MAX	528	288	110	33	70	34	2165	4656	7434	7863	7124	3924
MIN	294	114	25	25	26	27	26	2547	3719	6750	3919	637
CAL YEAR 2007	MEAN	1742	MAX	6506	MIN	0.00						
WTR YEAR 2008	MEAN	2052	MAX	7863	MIN	25						

## NORTH PLATTE RIVER BASIN

## LITTLE LAKE ALICE RESERVOIR from North Platte River, 00405200

LOCATION.-- Sec.15 &amp; 16-23-54 w.

GAGE.--Slope gage

PERIOD OF RECORD.--1992 - present

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

STORAGE LEVEL	ELEVATION (FEET)	CONTENT (Acre-feet)
Top of conservation pool	4140	1605
Top of dead storage pool	4127	0

## STORAGE ( ACFT ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	250	235	183	119	94	76	20	337	341	338	339	353
2	248	233	176	118	93	76	20	350	345	339	341	329
3	247	232	165	118	92	74	20	358	353	339	339	325
4	245	231	156	118	90	74	20	373	359	342	336	351
5	244	229	157	117	89	71	20	365	360	339	334	361
6	245	228	157	117	88	69	20	360	359	338	329	358
7	245	227	160	116	87	67	20	372	361	338	328	359
8	246	226	159	115	86	67	20	381	361	338	327	357
9	247	225	158	115	84	66	20	362	366	338	326	354
10	247	224	158	115	83	65	20	385	369	332	325	351
11	248	224	158	114	81	64	20	375	361	321	320	347
12	249	223	158	113	80	63	20	380	366	318	320	344
13	256	222	150	113	79	61	20	373	305	320	317	334
14	257	221	143	112	78	60	20	372	181	318	318	318
15	257	221	138	111	76	58	20	371	150	321	328	289
16	258	221	133	109	76	57	20	373	156	320	323	251
17	260	221	131	108	74	56	20	351	166	323	320	97
18	258	221	128	108	72	54	20	344	181	319	320	58
19	258	223	127	106	72	53	20	338	184	319	320	48
20	259	220	126	106	71	51	20	344	181	320	321	45
21	262	220	125	105	70	49	20	327	183	323	323	46
22	259	220	123	104	70	49	20	336	184	334	326	44
23	259	220	123	102	71	48	20	343	186	325	320	43
24	259	219	123	102	71	45	20	335	187	330	319	46
25	259	219	124	101	71	43	20	334	162	336	316	43
26	258	218	123	101	70	43	138	336	163	339	314	49
27	255	218	123	100	70	38	239	333	242	341	312	43
28	248	217	122	99	73	34	261	339	296	341	313	41
29	244	207	121	98	75	30	282	334	319	341	308	44
30	240	192	120	97	---	26	317	338	330	341	307	42
31	237	---	120	95	---	22	---	335	---	339	319	---
MEAN	252	222	141	109	79	55	58	353	269	331	323	202
MAX	262	235	183	119	94	76	317	385	369	342	341	361
MIN	237	192	120	95	70	22	20	327	150	318	307	41
CAL YEAR 2007	MEAN	205	MAX	262	MIN	120						
WTR YEAR 2008	MEAN	200	MAX	385	MIN	20						

NORTH PLATTE RIVER BASIN

LAKE MINATARE RESERVOIR from North Platte, 00406300

LOCATION.--Sec. 32-23-53 W. near Scottsbluff

GAGE.--Staff gage

PERIOD OF RECORD.--1977 - present

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

STORAGE LEVEL	ELEVATION (Feet)			CONTENT (Acre-feet)								
Top of conservation pool	4125.0			60,770								
Top of dead storage pool	4075.0			300								
STORAGE ( ACFT ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	17930	17420	17020	17000	16760	16640	16340	19030	40480	51710	41050	32960
2	17900	17400	17000	17000	16750	16640	16320	19720	41520	51510	40610	32750
3	17880	17390	17000	16980	16750	16620	16340	20490	42530	51340	40140	32550
4	17840	17360	17010	16980	16750	16620	16330	21270	43660	51200	39680	32500
5	17830	17340	17000	16980	16740	16600	16320	22090	44730	51040	39280	32550
6	17870	17320	16980	16970	16740	16590	16290	22890	45720	50790	38840	32740
7	17770	17320	17020	16960	16720	16590	16280	23710	46690	50490	38410	32890
8	17740	17300	17030	16960	16710	16580	16270	24550	47680	50140	38020	33180
9	17730	17300	17030	16960	16700	16580	16270	25490	48720	49780	37640	33610
10	17690	17290	17030	16950	16700	16560	16270	26400	49820	49420	37250	34020
11	17680	17270	17030	16930	16690	16550	16290	27360	50790	48920	36890	34420
12	17650	17260	17030	16930	16670	16550	16270	28300	51820	48440	36570	34990
13	17730	17250	17030	16920	16690	16540	16260	29090	52680	47980	36240	35810
14	17700	17210	17050	16910	16690	16540	16260	29800	52760	47540	36010	36470
15	17680	17200	17050	16910	16670	16530	16230	30430	52720	47070	36080	37120
16	17670	17190	17050	16900	16670	16540	16210	31020	52660	46590	36060	37710
17	17680	17170	17030	16890	16660	16530	16190	31560	52580	46110	36030	38090
18	17610	17170	17020	16870	16650	16510	16180	32090	52560	45620	36010	38120
19	17600	17150	17020	16870	16650	16510	16160	32570	52470	45130	35970	38120
20	17590	17130	17020	16860	16650	16460	16120	33030	52410	44650	35940	38090
21	17580	17120	17010	16850	16640	16480	16110	33350	52350	44190	35870	38140
22	17550	17110	17000	16850	16640	16480	16100	33870	52270	44000	35740	38110
23	17540	17110	16980	16840	16640	16460	16080	34400	52210	43740	35550	38070
24	17540	17080	17000	16820	16650	16450	16020	35010	52140	43450	35360	38030
25	17530	17070	17020	16820	16640	16430	16050	35500	52020	43200	35110	38020
26	17490	17060	17020	16810	16620	16340	16010	35950	51920	43020	34870	38020
27	17480	17030	17030	16810	16620	16380	16290	36470	51750	42770	34540	37960
28	17480	17030	17020	16810	16620	16390	16900	37030	51590	42490	34160	37930
29	17460	17020	17010	16790	16620	16170	17540	37590	51730	42190	33810	37870
30	17460	17000	17010	16770	---	16370	18160	38410	51790	41870	33490	37850
31	17440	---	17010	16760	---	16340	---	39420	---	41480	33180	---
MEAN	17650	17200	17020	16890	16680	16500	16350	29930	49820	46710	36590	35960
MAX	17930	17420	17050	17000	16760	16640	18160	39420	52760	51710	41050	38140
MIN	17440	17000	16980	16760	16620	16170	16010	19030	40480	41480	33180	32500
CAL YEAR 2007	MEAN	17290	MAX	17930	MIN	16980						
WTR YEAR 2008	MEAN	26460	MAX	52760	MIN	16010						

## NORTH PLATTE RIVER BASIN

## WINTERS CREEK RESERVOIR, 00412000

LOCATION.--Sec. 13 &amp;24-23-54 W.

GAGE.--Reference point

PERIOD OF RECORD.--1992 - present

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

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of conservation pool	4130	3474
Top of dead storage pool		

## STORAGE ( ACFT ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	655	607	527	477	389	329	326	325	973	1067	744	596
2	651	605	523	474	388	330	326	325	968	1050	730	590
3	651	602	520	472	386	327	326	325	991	1034	720	587
4	649	598	520	470	383	326	326	325	1023	1018	708	587
5	649	596	518	467	380	326	326	325	1043	1004	708	587
6	643	592	516	464	378	326	326	325	1092	986	698	592
7	643	590	522	460	375	326	326	325	1145	973	688	590
8	641	587	520	459	372	326	326	325	1191	959	680	590
9	639	587	518	455	369	326	326	325	1208	946	674	587
10	639	585	516	452	366	326	326	325	1198	932	664	583
11	634	581	516	451	364	326	326	346	1191	912	655	577
12	634	579	515	447	361	326	326	380	1181	893	649	583
13	643	576	511	444	358	326	326	406	1179	880	637	583
14	643	570	513	441	357	326	326	446	1174	865	636	590
15	643	568	511	438	353	326	325	487	1167	848	662	598
16	641	566	508	434	351	326	325	527	1167	831	662	602
17	639	563	508	433	348	326	325	565	1186	818	661	607
18	636	561	504	430	346	326	325	605	1186	801	657	611
19	632	557	502	427	344	326	325	643	1179	787	651	615
20	632	555	501	423	340	326	325	682	1174	772	647	618
21	630	552	499	420	339	326	325	728	1169	760	643	622
22	628	548	496	417	336	326	325	760	1162	795	634	622
23	626	546	492	417	334	326	323	812	1155	797	630	624
24	624	545	490	411	332	326	323	871	1147	797	626	624
25	622	543	494	409	329	326	325	919	1140	799	624	624
26	618	539	492	406	327	326	325	966	1138	801	618	628
27	617	536	490	405	327	326	325	995	1126	793	611	626
28	613	534	487	402	327	326	325	986	1114	785	607	624
29	613	530	485	399	329	326	325	977	1107	776	602	624
30	609	529	484	396	---	326	323	973	1088	768	598	624
31	607	---	480	394	---	326	---	970	---	758	592	---
MEAN	634	568	506	435	355	326	325	590	1132	871	655	604
MAX	655	607	527	477	389	330	326	995	1208	1067	744	628
MIN	607	529	480	394	327	326	323	325	968	758	592	577
CAL YEAR 2007	MEAN	569	MAX	655	MIN	480						
WTR YEAR 2008	MEAN	584	MAX	1208	MIN	323						

# NORTH PLATTE RIVER BASIN

**MITCHELL & GERING CANAL from North Platte River, 00101100**

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.--Values shown here are the total headgate diversions for Mitchell and Gering District lands.  
 Values published before 1985 for this diversion site did not include the delivery and carriage losses charged to the Gering Irrigation District.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	95	---	---	---	---	---	0.00	117	171	292	332	228
2	94	---	---	---	---	---	0.00	108	171	323	333	228
3	99	---	---	---	---	---	0.00	107	168	333	332	229
4	99	---	---	---	---	---	0.00	109	167	329	332	227
5	100	---	---	---	---	---	0.00	108	165	331	339	202
6	100	---	---	---	---	---	0.00	107	137	334	336	191
7	100	---	---	---	---	---	0.00	112	119	336	333	191
8	100	---	---	---	---	---	0.00	130	120	336	313	191
9	101	---	---	---	---	---	0.00	130	120	335	287	100
10	101	---	---	---	---	---	0.00	130	120	334	267	60
11	101	---	---	---	---	---	0.00	129	119	336	270	63
12	101	---	---	---	---	---	0.00	127	119	336	268	29
13	101	---	---	---	---	---	0.00	131	118	335	265	0.00
14	101	---	---	---	---	---	0.00	142	119	334	266	0.00
15	101	---	---	---	---	---	0.00	152	120	336	266	0.00
16	101	---	---	---	---	---	0.00	164	119	333	266	0.00
17	101	---	---	---	---	---	0.00	174	119	335	232	0.00
18	101	---	---	---	---	---	0.00	185	119	335	216	0.00
19	101	---	---	---	---	---	0.00	193	119	335	218	0.00
20	101	---	---	---	---	---	0.00	198	119	334	196	0.00
21	101	---	---	---	---	---	100	200	119	333	190	0.00
22	0.00	---	---	---	---	---	81	200	119	333	195	0.00
23	0.00	---	---	---	---	---	121	189	120	339	197	0.00
24	---	---	---	---	---	---	110	84	120	337	198	0.00
25	---	---	---	---	---	0.00	113	97	120	335	211	0.00
26	---	---	---	---	---	0.00	115	158	120	336	221	0.00
27	---	---	---	---	---	0.00	116	165	154	335	213	0.00
28	---	---	---	---	---	0.00	118	167	170	334	231	0.00
29	---	---	---	---	---	0.00	117	167	174	335	229	0.00
30	---	---	---	---	---	0.00	117	168	231	335	230	0.00
31	---	---	---	---	---	0.00	---	171	---	336	228	---
TOTAL	2100	0	0	0	0	0	1108	4519	4095	10320	8010	1939
MEAN	91.4	---	---	---	---	0.000	37.0	145.8	136.6	332.9	258.4	64.7
MAX	101	---	---	---	---	0.00	121	200	231	339	339	229
MIN	0.00	---	---	---	---	0.00	0.00	84	118	292	190	0.00
AC-FT	4165	0.00	0.00	0.00	0.00	0.00	2198	8963	8122	20470	15890	3846
CAL YEAR 2007	MAX	347.0	MIN	0.000	AC-FT	69590						
WTR YEAR 2008	MAX	339.0	MIN	0.000	AC-FT	63650						

## NORTH PLATTE RIVER BASIN

## GERING CANAL from North Platte River via Mitchell and Gering Canal, 00056000

LOCATION.--SW1/4NE1/4 Sec. 29-22-55 W. near Gering

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

PERIOD OF RECORD.--1916 - present

REMARKS.--Values published before 1985 were adjusted to include carriage losses between the Mitchell &amp; Gering canal and Gering canal flumes.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	27	---	---	---	---	---	0.00	31	66	126	163	146
2	23	---	---	---	---	---	0.00	4.0	62	155	165	155
3	23	---	---	---	---	---	0.00	0.44	60	166	171	145
4	23	---	---	---	---	---	0.00	0.05	60	161	180	139
5	23	---	---	---	---	---	0.00	0.01	6.0	158	178	133
6	23	---	---	---	---	---	0.00	0.02	15	158	165	118
7	23	---	---	---	---	---	0.00	0.00	20	165	167	108
8	24	---	---	---	---	---	0.00	14	59	165	179	116
9	25	---	---	---	---	---	0.00	25	57	166	179	113
10	25	---	---	---	---	---	0.00	30	58	165	177	83
11	40	---	---	---	---	---	0.00	30	60	162	176	52
12	40	---	---	---	---	---	0.00	25	62	161	174	36
13	36	---	---	---	---	---	0.00	22	61	166	165	7.3
14	17	---	---	---	---	---	0.00	29	55	170	163	---
15	0.00	---	---	---	---	---	0.00	27	55	171	185	---
16	0.00	---	---	---	---	---	0.00	23	54	168	159	---
17	0.00	---	---	---	---	---	0.00	18	52	162	150	---
18	0.00	---	---	---	---	---	0.00	15	50	165	151	---
19	0.00	---	---	---	---	---	0.00	42	52	170	154	---
20	0.00	---	---	---	---	---	0.00	73	54	165	145	---
21	0.00	---	---	---	---	---	0.00	75	49	162	124	---
22	0.00	---	---	---	---	---	0.00	83	51	167	127	---
23	0.00	---	---	---	---	---	0.00	105	54	183	135	---
24	0.00	---	---	---	---	---	0.00	50	52	171	124	---
25	---	---	---	---	---	---	0.00	25	50	162	131	---
26	---	---	---	---	---	0.00	0.00	46	56	162	139	---
27	---	---	---	---	---	0.00	0.00	70	62	163	141	---
28	---	---	---	---	---	0.00	60	69	83	162	137	---
29	---	---	---	---	---	0.00	54	68	78	164	137	---
30	---	---	---	---	---	0.00	31	64	90	165	139	---
31	---	---	---	---	---	0.00	---	66	---	165	139	---
TOTAL	372	0	0	0	0	0	145	1129.52	1643	5071	4819	1351.3
MEAN	15.6	---	---	---	---	0.000	4.8	36.5	54.8	163.6	155.5	104.1
MAX	40	---	---	---	---	0.00	60	105	90	183	185	155
MIN	0.00	---	---	---	---	0.00	0.00	0.00	6.0	126	124	7.3
AC-FT	738	0.00	0.00	0.00	0.00	0.00	288	2240	3259	10060	9558	2680
CAL YEAR 2007	MAX	191.0	MIN	0.000	AC-FT	27430						
WTR YEAR 2008	MAX	185.0	MIN	0.000	AC-FT	28820						

# NORTH PLATTE RIVER BASIN

**TRI-STATE CANAL from North Platte River, 00145100**

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 Northport Irrigation Districts. Deliveries to Northport District shown separately in this report. Values published before 1985 for this diversion site did not include the delivery and carriage losses charged to Northport Irrigation District.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	162	---	---	---	---	---	---	0.00	270	900	1220	1130
2	162	---	---	---	---	---	---	0.00	270	1050	1210	1130
3	157	---	---	---	---	---	---	0.00	270	1200	1210	1130
4	152	---	---	---	---	---	---	0.00	270	1200	1300	1030
5	149	---	---	---	---	---	---	0.00	270	1200	1300	940
6	151	---	---	---	---	---	---	0.00	270	1200	1300	940
7	149	---	---	---	---	---	---	0.00	270	1200	1300	840
8	144	---	---	---	---	---	---	0.00	270	1200	1300	840
9	131	---	---	---	---	---	---	0.00	270	1200	1300	840
10	147	---	---	---	---	---	---	0.00	270	1230	1300	792
11	156	---	---	---	---	---	---	0.00	270	1220	1300	705
12	153	---	---	---	---	---	---	309	270	1270	1300	539
13	204	---	---	---	---	---	---	437	270	1330	1300	500
14	0.00	---	---	---	---	---	---	579	270	1330	1300	375
15	0.00	---	---	---	---	---	---	588	400	1330	1300	375
16	---	---	---	---	---	---	---	588	400	1350	1210	375
17	---	---	---	---	---	---	---	588	437	1350	1130	375
18	---	---	---	---	---	---	---	588	504	1390	1130	375
19	---	---	---	---	---	---	---	589	504	1400	1130	375
20	---	---	---	---	---	---	---	567	567	1400	1090	375
21	---	---	---	---	---	---	---	588	589	1400	1040	375
22	---	---	---	---	---	---	---	610	611	1400	1010	375
23	---	---	---	---	---	---	---	610	600	1400	985	340
24	---	---	---	---	---	---	---	560	578	1350	1040	320
25	---	---	---	---	---	---	---	560	622	1350	1110	320
26	---	---	---	---	---	---	---	560	692	1350	1110	300
27	---	---	---	---	---	---	---	560	729	1300	1060	300
28	---	---	---	---	---	---	---	560	754	1170	1030	270
29	---	---	---	---	---	---	---	560	881	1190	1070	270
30	---	---	---	---	---	---	---	270	900	1180	1110	265
31	---	---	---	---	---	---	---	270	---	1220	1120	---
TOTAL	2017	0	0	0	0	0	0	10541	13548	39260	36615	17116
MEAN	134.5	---	---	---	---	---	---	340.0	451.6	1266	1180	569.9
MAX	204	---	---	---	---	---	---	610	900	1400	1300	1130
MIN	0.00	---	---	---	---	---	---	0.00	270	900	985	265
AC-FT	4001	0.00	0.00	0.00	0.00	0.00	0.00	20910	26870	77870	72620	33950
CAL YEAR 2007	MAX	1370	MIN	0.000	AC-FT	189600						
WTR YEAR 2008	MAX	1400	MIN	0.000	AC-FT	236200						



## NORTH PLATTE RIVER BASIN

## TRI-STATE CANAL from Sheep Creek, 00144700

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 U.S. Bureau of Reclamation. Data before 1986 available from the Bureau.

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	9.0	14	16	42
2	---	---	---	---	---	---	---	0.00	10	15	15	49
3	---	---	---	---	---	---	---	0.00	10	16	17	49
4	---	---	---	---	---	---	---	0.00	10	18	17	48
5	---	---	---	---	---	---	---	0.00	14	17	25	47
6	---	---	---	---	---	---	---	0.00	14	19	23	49
7	---	---	---	---	---	---	---	0.00	12	21	21	50
8	---	---	---	---	---	---	---	0.00	12	17	21	50
9	---	---	---	---	---	---	---	0.00	13	16	24	50
10	---	---	---	---	---	---	---	0.00	12	17	25	50
11	---	---	---	---	---	---	---	0.00	14	19	25	49
12	---	---	---	---	---	---	---	0.00	16	16	27	44
13	---	---	---	---	---	---	---	0.00	18	13	26	47
14	---	---	---	---	---	---	---	8.0	16	15	27	46
15	---	---	---	---	---	---	---	10	16	15	32	45
16	---	---	---	---	---	---	---	12	17	14	36	45
17	---	---	---	---	---	---	---	13	17	14	34	49
18	---	---	---	---	---	---	---	11	17	17	34	48
19	---	---	---	---	---	---	---	7.0	17	18	36	48
20	---	---	---	---	---	---	---	7.0	27	18	32	48
21	---	---	---	---	---	---	---	5.0	21	19	30	48
22	---	---	---	---	---	---	---	8.0	19	21	30	48
23	---	---	---	---	---	---	---	13	20	12	32	48
24	---	---	---	---	---	---	---	15	19	0.00	34	47
25	---	---	---	---	---	---	---	14	14	0.00	35	47
26	---	---	---	---	---	---	---	9.0	14	17	38	47
27	---	---	---	---	---	---	---	12	13	17	38	45
28	---	---	---	---	---	---	---	17	11	19	37	45
29	---	---	---	---	---	---	---	18	10	17	38	44
30	---	---	---	---	---	---	---	17	10	14	38	44
31	---	---	---	---	---	---	---	15	---	16	39	---
TOTAL	0	0	0	0	0	0	0	211	442	481	902	1416
MEAN	---	---	---	---	---	---	---	6.8	14.7	15.5	29.1	47.2
MAX	---	---	---	---	---	---	---	18	27	21	39	50
MIN	---	---	---	---	---	---	---	0.00	9.0	0.00	15	42
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	419	877	954	1789	2809
CAL YEAR 2007	MAX	49.0	MIN	0.000	AC-FT	6301						
WTR YEAR 2008	MAX	50.0	MIN	0.000	AC-FT	6847						

NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Akers Draw, 00144500

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 U.S. Bureau of Reclamation. Data before 1986 available from the Bureau.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	7.0	8.0	4.0	10	7.0
2	---	---	---	---	---	---	---	6.0	8.0	6.0	10	7.0
3	---	---	---	---	---	---	---	6.0	8.0	7.0	11	7.0
4	---	---	---	---	---	---	---	6.0	9.0	4.0	12	7.0
5	---	---	---	---	---	---	---	6.0	9.0	0.00	13	7.0
6	---	---	---	---	---	---	---	7.0	9.0	0.00	14	7.0
7	---	---	---	---	---	---	---	7.0	9.0	0.00	15	7.0
8	---	---	---	---	---	---	---	7.0	9.0	8.0	16	7.0
9	---	---	---	---	---	---	---	7.0	9.0	8.0	16	7.0
10	---	---	---	---	---	---	---	6.0	9.0	7.0	17	7.0
11	---	---	---	---	---	---	---	6.0	9.0	6.0	18	7.0
12	---	---	---	---	---	---	---	6.0	8.0	6.0	6.0	7.0
13	---	---	---	---	---	---	---	6.0	8.0	5.0	7.0	7.0
14	---	---	---	---	---	---	---	6.0	8.0	5.0	6.0	7.0
15	---	---	---	---	---	---	---	6.0	8.0	4.0	9.0	7.0
16	---	---	---	---	---	---	---	6.0	8.0	4.0	10	7.0
17	---	---	---	---	---	---	---	6.0	8.0	0.00	11	7.0
18	---	---	---	---	---	---	---	6.0	7.0	4.0	12	7.0
19	---	---	---	---	---	---	---	6.0	7.0	6.0	13	7.0
20	---	---	---	---	---	---	---	6.0	7.0	7.0	13	7.0
21	---	---	---	---	---	---	---	6.0	7.0	7.0	14	7.0
22	---	---	---	---	---	---	---	7.0	7.0	8.0	15	7.0
23	---	---	---	---	---	---	---	8.0	7.0	6.0	16	7.0
24	---	---	---	---	---	---	---	8.0	6.0	11	17	7.0
25	---	---	---	---	---	---	---	8.0	5.0	7.0	18	7.0
26	---	---	---	---	---	---	---	7.0	5.0	8.0	19	7.0
27	---	---	---	---	---	---	---	7.0	5.0	9.0	20	7.0
28	---	---	---	---	---	---	---	7.0	5.0	9.0	7.0	7.0
29	---	---	---	---	---	---	---	7.0	5.0	7.0	7.0	7.0
30	---	---	---	---	---	---	---	7.0	4.0	8.0	7.0	7.0
31	---	---	---	---	---	---	---	7.0	---	9.0	7.0	---
TOTAL	0	0	0	0	0	0	0	204	221	180	386	210
MEAN	---	---	---	---	---	---	---	6.6	7.4	5.8	12.5	7.0
MAX	---	---	---	---	---	---	---	8.0	9.0	11	20	7.0
MIN	---	---	---	---	---	---	---	6.0	4.0	0.00	6.0	7.0
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	405	438	357	766	417
CAL YEAR 2007	MAX	9.0	MIN	0.000	AC-FT	2039						
WTR YEAR 2008	MAX	20.0	MIN	0.000	AC-FT	2382						

## NORTH PLATTE RIVER BASIN

## TRI-STATE CANAL from Dry Spotted Tail Creek, 00144600

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1986 - present

REMARKS.--Values provided by the U.S. Bureau of Reclamation. Data before 1986 available from the Bureau.

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	5.0	0.00	9.0	12
2	---	---	---	---	---	---	---	0.00	0.00	5.0	9.0	12
3	---	---	---	---	---	---	---	0.00	0.00	6.0	9.0	12
4	---	---	---	---	---	---	---	0.00	0.00	5.0	10	10
5	---	---	---	---	---	---	---	0.00	0.00	5.0	10	10
6	---	---	---	---	---	---	---	0.00	0.00	6.0	11	10
7	---	---	---	---	---	---	---	0.00	0.00	7.0	10	11
8	---	---	---	---	---	---	---	0.00	0.00	6.0	11	11
9	---	---	---	---	---	---	---	0.00	0.00	6.0	11	11
10	---	---	---	---	---	---	---	0.00	0.00	6.0	13	11
11	---	---	---	---	---	---	---	0.00	0.00	6.0	11	11
12	---	---	---	---	---	---	---	0.00	0.00	6.0	11	11
13	---	---	---	---	---	---	---	0.00	0.00	6.0	11	11
14	---	---	---	---	---	---	---	0.00	0.00	7.0	12	10
15	---	---	---	---	---	---	---	0.00	0.00	7.0	17	10
16	---	---	---	---	---	---	---	0.00	0.00	6.0	20	10
17	---	---	---	---	---	---	---	0.00	0.00	7.0	17	9.0
18	---	---	---	---	---	---	---	0.00	0.00	7.0	13	9.0
19	---	---	---	---	---	---	---	0.00	5.0	8.0	10	8.0
20	---	---	---	---	---	---	---	0.00	0.00	8.0	12	8.0
21	---	---	---	---	---	---	---	0.00	0.00	8.0	11	8.0
22	---	---	---	---	---	---	---	0.00	0.00	9.0	10	8.0
23	---	---	---	---	---	---	---	0.00	0.00	15	10	8.0
24	---	---	---	---	---	---	---	5.0	0.00	12	9.0	7.0
25	---	---	---	---	---	---	---	5.0	0.00	11	11	7.0
26	---	---	---	---	---	---	---	5.0	0.00	11	11	7.0
27	---	---	---	---	---	---	---	6.0	0.00	9.0	11	7.0
28	---	---	---	---	---	---	---	5.0	0.00	8.0	11	7.0
29	---	---	---	---	---	---	---	5.0	0.00	9.0	11	7.0
30	---	---	---	---	---	---	---	6.0	0.00	9.0	10	13
31	---	---	---	---	---	---	---	6.0	---	8.0	10	---
TOTAL	0	0	0	0	0	0	0	43	10	229	352	286
MEAN	---	---	---	---	---	---	---	1.4	0.33	7.4	11.4	9.5
MAX	---	---	---	---	---	---	---	6.0	5.0	15	20	13
MIN	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	7.0
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85	20	454	698	567
CAL YEAR 2007	MAX	19.0	MIN	0.000	AC-FT	1950						
WTR YEAR 2008	MAX	20.0	MIN	0.000	AC-FT	1825						

NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Wet Spotted Tail Creek, 00144900

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1986 - present

REMARKS.--Values provided by the U.S. Bureau of Reclamation. Data before 1986 available from the Bureau.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	9.0	2.0	2.0	4.0	8.0
2	---	---	---	---	---	---	---	8.0	2.0	2.0	5.0	9.0
3	---	---	---	---	---	---	---	8.0	2.0	2.0	5.0	9.0
4	---	---	---	---	---	---	---	8.0	3.0	3.0	5.0	10
5	---	---	---	---	---	---	---	7.0	3.0	2.0	6.0	9.0
6	---	---	---	---	---	---	---	6.0	3.0	2.0	5.0	10
7	---	---	---	---	---	---	---	5.0	3.0	2.0	6.0	10
8	---	---	---	---	---	---	---	5.0	3.0	3.0	6.0	12
9	---	---	---	---	---	---	---	4.0	3.0	2.0	6.0	17
10	---	---	---	---	---	---	---	4.0	3.0	2.0	6.0	11
11	---	---	---	---	---	---	---	4.0	3.0	2.0	6.0	10
12	---	---	---	---	---	---	---	4.0	3.0	2.0	6.0	12
13	---	---	---	---	---	---	---	4.0	3.0	1.0	5.0	13
14	---	---	---	---	---	---	---	3.0	3.0	2.0	7.0	11
15	---	---	---	---	---	---	---	3.0	3.0	2.0	19	10
16	---	---	---	---	---	---	---	3.0	4.0	3.0	11	10
17	---	---	---	---	---	---	---	3.0	3.0	3.0	7.0	10
18	---	---	---	---	---	---	---	3.0	3.0	3.0	6.0	9.0
19	---	---	---	---	---	---	---	2.0	3.0	3.0	6.0	9.0
20	---	---	---	---	---	---	---	2.0	5.0	4.0	7.0	9.0
21	---	---	---	---	---	---	---	2.0	3.0	4.0	7.0	9.0
22	---	---	---	---	---	---	---	3.0	3.0	4.0	7.0	10
23	---	---	---	---	---	---	---	3.0	3.0	17	7.0	9.0
24	---	---	---	---	---	---	---	3.0	3.0	38	7.0	9.0
25	---	---	---	---	---	---	---	3.0	3.0	5.0	7.0	9.0
26	---	---	---	---	---	---	---	3.0	3.0	6.0	7.0	9.0
27	---	---	---	---	---	---	---	3.0	3.0	6.0	6.0	8.0
28	---	---	---	---	---	---	---	3.0	2.0	6.0	7.0	8.0
29	---	---	---	---	---	---	---	3.0	2.0	4.0	8.0	8.0
30	---	---	---	---	---	---	---	3.0	2.0	4.0	7.0	8.0
31	---	---	---	---	---	---	---	3.0	---	4.0	7.0	---
TOTAL	0	0	0	0	0	0	0	127	87	145	211	295
MEAN	---	---	---	---	---	---	---	4.1	2.9	4.7	6.8	9.8
MAX	---	---	---	---	---	---	---	9.0	5.0	38	19	17
MIN	---	---	---	---	---	---	---	2.0	2.0	1.0	4.0	8.0
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	252	173	288	419	585
CAL YEAR 2007	MAX	27.0	MIN	0.000	AC-FT	2620						
WTR YEAR 2008	MAX	38.0	MIN	1.0	AC-FT	1716						

## NORTH PLATTE RIVER BASIN

## TRI-STATE CANAL from Tub Springs, 00144800

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1986 - present

REMARKS.--Values provided by the U.S. Bureau of Reclamation. Data before 1986 available from the Bureau.

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	10	8.0	25	31
2	---	---	---	---	---	---	---	0.00	0.00	19	25	31
3	---	---	---	---	---	---	---	0.00	0.00	21	25	30
4	---	---	---	---	---	---	---	0.00	0.00	21	25	31
5	---	---	---	---	---	---	---	0.00	0.00	22	25	30
6	---	---	---	---	---	---	---	0.00	0.00	23	25	29
7	---	---	---	---	---	---	---	0.00	0.00	24	25	28
8	---	---	---	---	---	---	---	0.00	0.00	25	27	28
9	---	---	---	---	---	---	---	0.00	0.00	25	28	26
10	---	---	---	---	---	---	---	0.00	0.00	25	27	26
11	---	---	---	---	---	---	---	0.00	0.00	24	27	26
12	---	---	---	---	---	---	---	0.00	0.00	25	28	26
13	---	---	---	---	---	---	---	0.00	0.00	26	29	22
14	---	---	---	---	---	---	---	0.00	0.00	27	26	21
15	---	---	---	---	---	---	---	0.00	0.00	27	25	21
16	---	---	---	---	---	---	---	0.00	0.00	29	24	21
17	---	---	---	---	---	---	---	0.00	0.00	29	24	21
18	---	---	---	---	---	---	---	0.00	0.00	28	25	21
19	---	---	---	---	---	---	---	0.00	0.00	28	25	22
20	---	---	---	---	---	---	---	4.0	0.00	28	26	22
21	---	---	---	---	---	---	---	14	0.00	27	26	22
22	---	---	---	---	---	---	---	14	0.00	27	28	21
23	---	---	---	---	---	---	---	13	0.00	27	27	21
24	---	---	---	---	---	---	---	11	0.00	27	28	21
25	---	---	---	---	---	---	---	11	0.00	25	29	21
26	---	---	---	---	---	---	---	12	0.00	25	27	20
27	---	---	---	---	---	---	---	12	0.00	25	29	18
28	---	---	---	---	---	---	---	12	0.00	25	30	17
29	---	---	---	---	---	---	---	12	0.00	25	30	17
30	---	---	---	---	---	---	---	12	0.00	26	30	18
31	---	---	---	---	---	---	---	12	---	25	30	---
TOTAL	0	0	0	0	0	0	0	139	10	768	830	709
MEAN	---	---	---	---	---	---	---	4.5	0.33	24.8	26.8	23.6
MAX	---	---	---	---	---	---	---	14	10	29	30	31
MIN	---	---	---	---	---	---	---	0.00	0.00	8.0	24	17
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	276	20	1523	1646	1406
CAL YEAR 2007	MAX	33.0	MIN	0.000	AC-FT	5076						
WTR YEAR 2008	MAX	31.0	MIN	0.000	AC-FT	4871						

# NORTH PLATTE RIVER BASIN

**NORTHPORT CANAL from North Platte River and Drains via Tri-State Canal, 00115100**

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

GAGE.--Continuous stage recorder and 12 ft. Parshall flume with modified rating

PERIOD OF RECORD.--1920, 1922 - present

REMARKS.--Published record before 1985 was for Northport Canal from North Platte River. Values published were adjusted to include carriage losses and contributions from drains between the Tri-State diversion from the North Platte River and the Northport Canal gage.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7.5	---	---	---	---	---	---	0.00	182	226	258	250
2	7.3	---	---	---	---	---	---	0.00	109	225	259	262
3	6.7	---	---	---	---	---	---	0.00	126	259	261	237
4	6.2	---	---	---	---	---	---	0.00	143	247	267	218
5	6.0	---	---	---	---	---	---	0.00	157	273	267	244
6	4.5	---	---	---	---	---	---	0.00	194	260	271	238
7	4.5	---	---	---	---	---	---	0.00	160	272	263	227
8	4.5	---	---	---	---	---	---	0.00	132	262	261	209
9	4.4	---	---	---	---	---	0.00	0.00	158	268	267	166
10	5.5	---	---	---	---	---	0.00	0.00	166	269	271	166
11	6.7	---	---	---	---	---	0.00	0.00	160	260	260	166
12	6.6	---	---	---	---	---	0.00	0.00	159	253	266	164
13	6.3	---	---	---	---	---	0.00	0.00	159	267	266	123
14	6.2	---	---	---	---	---	0.00	0.00	155	272	273	101
15	6.4	---	---	---	---	---	0.00	77	176	262	273	112
16	---	---	---	---	---	---	0.00	111	174	270	242	132
17	---	---	---	---	---	---	0.00	108	172	268	253	144
18	---	---	---	---	---	---	0.00	84	153	262	249	151
19	---	---	---	---	---	---	0.00	79	176	264	238	153
20	---	---	---	---	---	---	0.00	78	190	268	229	152
21	---	---	---	---	---	---	0.00	71	175	272	246	157
22	---	---	---	---	---	---	0.00	94	171	269	232	151
23	---	---	---	---	---	---	0.00	97	181	261	240	149
24	---	---	---	---	---	---	0.00	96	165	272	235	146
25	---	---	---	---	---	---	0.00	127	168	251	230	139
26	---	---	---	---	---	---	0.00	145	177	268	226	129
27	---	---	---	---	---	---	0.00	139	179	261	220	119
28	---	---	---	---	---	---	0.00	141	193	259	224	110
29	---	---	---	---	---	---	0.00	146	180	267	206	104
30	---	---	---	---	---	---	0.00	149	223	265	217	92
31	---	---	---	---	---	---	---	181	---	259	240	---
TOTAL	89.3	0	0	0	0	0	0	1923	5013	8111	7710	4911
MEAN	5.9	---	---	---	---	---	0.000	62.0	167.1	261.6	248.7	163.7
MAX	7.5	---	---	---	---	---	0.00	181	223	273	273	262
MIN	4.4	---	---	---	---	---	0.00	0.00	109	225	206	92
AC-FT	177	0.00	0.00	0.00	0.00	0.00	0.00	3814	9943	16090	15290	9741
CAL YEAR 2007	MAX	266.0	MIN	0.000	AC-FT	38800						
WTR YEAR 2008	MAX	273.0	MIN	0.000	AC-FT	55060						

## NORTH PLATTE RIVER BASIN

## HORSE CREEK near Lyman, 06677500

LOCATION.--SE1/4NE1/4 Sec. 25-23-58 W., Scotts Bluff County, Lat. 41° 56' 21", Long. 103° 59' 13", on right bank 50 feet upstream from county highway bridge, 1.8 miles upstream from mouth, 2.2 miles downstream from Owl Creek and 3.2 miles northeast of Lyman.

DRAINAGE AREA.--1,707 square miles, approximately 1,667 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is 3,992.84 feet above mean sea level.

PERIOD OF RECORD.--Feb. 1931 to present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994. Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 5,110 cubic feet per second June 6, 1967, gage height 10.82 feet; minimum daily discharge 0.40 cubic feet per second February 1, 1949.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,120 cubic feet per second April 16, gage height 6.57 feet; minimum daily discharge 2.0 cubic feet per second on April 25.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	32	20	13e	15e	12	10e	9.6	20	61	148	68	43
2	32	14	13e	13e	16	9.0e	12	17	51	108	50	68
3	31	14	13e	13e	15	9.0e	15	15	47	101	59	88
4	31	14	13e	13e	19	9.0e	15	16	58	91	65	119
5	30	14	14e	13e	26	9.5	16	16	95	92	63	110
6	30	15	14e	13e	21	8.5	18	48	74	84	54	141
7	30	15	14e	12e	23e	6.9	20	237	42	81	51	200
8	29	16	14e	12	23e	6.7	31	329	34	59	50	198
9	29	16	14e	9.4	23e	9.9	39	281	25	58	47	215
10	28	17	14e	12	23e	9.4	45	178	23	53	43	244
11	28	18	14e	16	18e	9.3	44	128	22	43	42	255
12	28	18	14e	16e	18e	6.9	27	122	20	39	40	306
13	27	18	16e	15e	16e	7.5	25	117	20	42	36	240
14	39	18	16e	15e	16e	31	24	102	20	46	41	169
15	27	15	16e	14e	15e	7.6	36	65	19	53	100	111
16	26	11	16e	14	15e	12	102	55	21	42	231	85
17	26	11	16e	16	15e	12	48	66	43	42	200	72
18	26	11	16e	17	15e	2.6	49	66	119	43	188	68
19	26	12	16e	18	15e	3.3	48	51	202	43	167	65
20	25	12	16e	12	15e	3.1	55	49	192	42	151	64
21	25	13	15e	15	12e	3.6	92	52	249	43	117	70
22	25	13e	15e	15e	12e	5.6	64	63	335	44	86	68
23	24	13e	15e	15e	12e	6.1	4.1	113	297	59	57	56
24	24	13e	15e	15e	12e	5.6	2.4	301	287	78	51	51
25	24	13e	15e	13e	12e	7.3	2.0	119	410	85	48	50
26	23	13e	15e	13e	12e	10	5.4	88	307	81	49	49
27	23	13e	15e	13e	10e	8.3	8.0	90	219	90	41	46
28	23	13e	15e	12e	10e	8.0	9.6	137	178	90	39	43
29	23	13e	15e	12	10e	9.0	13	226	190	92	42	39
30	22	13e	15e	16	---	9.9	17	176	265	94	40	42
31	22	---	15e	11	---	9.7	---	92	---	87	37	---
TOTAL	838	429	457	428.4	461	266.3	896.1	3435	3925	2153	2353	3375
MEAN	27.1	14.3	14.7	13.8	15.9	8.6	29.9	110.8	130.8	69.4	75.9	112.5
MAX	39	20	16	18	26	31	102	329	410	148	231	306
MIN	22	11	13	9.4	10	2.6	2.0	15	19	39	36	39
AC-FT	1662	851	906	850	914	528	1777	6813	7785	4270	4667	6694
CAL YEAR 2007	TOTAL		14502	MEAN	39.7	MAX	597.0	MIN	5.9	AC-FT	28760	
WTR YEAR 2008	TOTAL		19017	MEAN	52.0	MAX	410.0	MIN	2.0	AC-FT	37720	

e indicates estimated discharge.

**SHEEP CREEK near Morrill, 06678000**

LOCATION.--NW1/4SW1/4 Sec. 16-23-57 W., Scotts Bluff County, Lat. 41° 57' 50", Long. 103° 56' 20", on left bank 40 feet upstream from Burlington Northern Inc. railroad bridge, 50 feet downstream and 20 feet east from bridge on U.S. Highway 26, one mile west of Morrill and 1.5 miles upstream from the mouth.

DRAINAGE AREA.--362 square miles, approximately 337 square miles contributes to surface runoff.

GAGE.--Continuous stage recorder. Gage datum 3,995.04 feet above sea level.

PERIOD OF RECORD.--Oct. 1931 to present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Records are good.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 516 cubic feet per second July 21, 1978, gage height 6.62 feet; minimum daily discharge 0.1 cubic feet per second December 16, 23, 1956, January 18, March 12, 1957, result of diversion for construction upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharge 146 cubic feet per second November 20, gage height 2.65 feet; minimum daily discharge 6.3 cubic feet per second September 30.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16	44	40	41	46	38	34	47	16	12	13	9.7
2	15	42	40	42	46	36	34	41	16	12	13	7.5
3	20	41	38	43	47	36	35	44	16	12	12	7.4
4	20	42	32	43	46	36	34	44	16	12	12	7.3
5	20	43	32	44	46	35	35	40	16	12	11	7.1
6	20	44	33	44	46	35	36	37	15	12	12	7.3
7	20	45	34	43	46	35	38	30	15	11	12	7.1
8	19	44	35	42	45	35	38	33	15	10	13	7.4
9	19	45	35	43	44	35	37	32	15	11	13	7.3
10	17	45	35	43	44	36	42	32	14	10	13	7.1
11	16	45	36	43	43	38	42	34	14	10	12	7.1
12	15	45	35	43	43	36	41	25	14	9.5	11	7.4
13	14	50	35	43	43	36	41	18	14	9.9	11	7.4
14	13	84	37	44	43	37	42	18	14	9.6	11	7.1
15	11	103	36	44	43	37	44	16	13	9.8	11	7.1
16	9.9	96	37	42	43	37	44	15	14	9.5	11	7.1
17	34	106	38	44	42	36	46	15	14	9.9	9.7	7.2
18	60	117	38	43	41	36	40	15	14	9.9	9.4	7.1
19	62	127	39	43	41	36	47	14	13	10	9.2	7.1
20	63	136	40	43	41	36	48	14	13	9.9	9.3	6.7
21	66	84	40	44	41	35	51	14	13	9.3	9.4	6.7
22	63	43	40	43	40	37	52	15	12	9.8	9.6	6.9
23	61	44	41	44	40	36	50	16	12	19	9.3	6.6
24	59	43	40	44	39	36	57	16	12	51	9.5	6.7
25	57	43	42	44	38	35	52	16	14	32	9.9	6.6
26	54	40	41	44	38	35	50	15	14	16	9.7	6.4
27	52	38	41	45	39	35	50	16	14	15	8.9	6.5
28	50	38	41	46	38	34	48	16	13	14	8.9	6.5
29	47	39	41	45	38	34	42	16	13	14	9.2	6.4
30	45	40	41	45	---	34	40	16	12	14	9.4	6.3
31	44	---	41	45	---	34	---	16	---	14	9.3	---
TOTAL	1081.9	1796	1174	1349	1230	1107	1290	736	420	420.1	331.7	212.1
MEAN	34.9	59.8	37.9	43.4	42.4	35.7	43.0	23.7	14.0	13.6	10.7	7.1
MAX	66	136	42	46	47	38	57	47	16	51	13	9.7
MIN	9.9	38	32	41	38	34	34	14	12	9.3	8.9	6.3
AC-FT	2146	3562	2329	2676	2440	2196	2559	1460	833	833	658	421
CAL YEAR 2007	TOTAL		11014	MEAN	30.2	MAX	136.0	MIN	5.8	AC-FT	21850	
WTR YEAR 2008	TOTAL		11148	MEAN	30.5	MAX	136.0	MIN	6.3	AC-FT	22110	



## NORTH PLATTE RIVER BASIN

## ENTERPRISE CANAL from North Platte River, 00040000

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916, 1919 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	48	66	76	117	86
2	0.00	---	---	---	---	---	0.00	48	66	75	121	85
3	0.00	---	---	---	---	---	0.00	49	63	76	123	71
4	0.00	---	---	---	---	---	0.00	48	62	85	123	70
5	---	---	---	---	---	---	0.00	47	65	89	126	69
6	---	---	---	---	---	---	0.00	52	66	82	119	66
7	---	---	---	---	---	---	0.00	64	64	107	115	63
8	---	---	---	---	---	---	0.00	57	61	111	115	61
9	---	---	---	---	---	---	0.00	57	59	115	133	59
10	---	---	---	---	---	---	0.00	56	57	140	130	56
11	---	---	---	---	---	---	0.00	56	59	129	121	54
12	---	---	---	---	---	---	0.00	59	61	118	109	53
13	---	---	---	---	---	---	0.00	54	60	122	105	51
14	---	---	---	---	---	---	0.00	52	68	140	108	49
15	---	---	---	---	---	---	0.00	51	62	150	126	44
16	---	---	---	---	---	---	0.00	50	62	148	132	42
17	---	---	---	---	---	---	0.00	49	62	143	104	42
18	---	---	---	---	---	---	0.00	51	65	141	104	43
19	---	---	---	---	---	---	0.00	58	70	129	102	43
20	---	---	---	---	---	---	0.00	60	66	113	96	42
21	---	---	---	---	---	---	0.00	60	60	115	93	42
22	---	---	---	---	---	---	0.00	61	63	123	91	41
23	---	---	---	---	---	---	0.00	65	61	126	89	41
24	---	---	---	---	---	---	0.00	54	60	129	86	41
25	---	---	---	---	---	---	0.00	55	65	118	85	41
26	---	---	---	---	---	0.00	26	67	61	112	84	41
27	---	---	---	---	---	0.00	42	62	56	105	84	41
28	---	---	---	---	---	0.00	42	58	59	103	84	39
29	---	---	---	---	---	0.00	42	61	62	96	82	29
30	---	---	---	---	---	0.00	42	69	70	100	82	26
31	---	---	---	---	---	0.00	---	70	---	108	82	---
TOTAL	0	0	0	0	0	0	194	1748	1881	3524	3271	1531
MEAN	0.000	---	---	---	---	0.000	6.5	56.5	62.7	113.6	105.5	51.1
MAX	0.00	---	---	---	---	0.00	42	70	70	150	133	86
MIN	0.00	---	---	---	---	0.00	0.00	47	56	75	82	26
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	385	3467	3731	6990	6488	3037
CAL YEAR 2007	MAX	135.0	MIN	0.000	AC-FT	19910						
WTR YEAR 2008	MAX	150.0	MIN	0.000	AC-FT	24100						

DRY SPOTTED TAIL CREEK at Mitchell, 06679000

LOCATION.--SE1/4SE1/4 SEC. 20-23-56 W., Scotts Bluff County, Lat. 41° 56' 45", Long. 103° 49' 35", on right bank 5 feet upstream from bridge on county road, 0.8 mile upstream from mouth, and 1 mile west of the intersection of U.S. Highway 26 and State Highway 29 in Mitchell.

DRAINAGE AREA.--77.2 square miles.

GAGE.--Continuous stage recorder. Gage datum is 3,943.75 feet National Geodetic Vertical Datum. Datum 1.00 foot higher before October 1, 1958.

PERIOD OF RECORD.--1948 - present

REMARKS.--Published by U. S. Geological Survey up to October 1, 1979. Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 2,010 cubic feet per second June 24, 1951, gage height 8.55 feet; minimum daily discharge 1.6 cubic feet per second June 28, 1966.

EXTREMES FOR CURRENT YEAR.--Peak discharge 143 cubic feet per second July 24, gage height 2.33 feet; minimum daily discharge, 2.2 cubic feet per second April 4.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	18	19	20	14	16	15	12	14e	18e	12	56	60
2	17	19	20	13	16	14	12	14e	14e	15	59	67
3	17	20	20	15	16	15	6.3	14e	14	28	59	65
4	17	20	21	15	15	11	2.2	12e	19	33	60	61
5	17	20	20	15	15	6.5	2.6	12e	22	36	64	64
6	16	20	19	14	14	6.8	2.9	11	21	41	63	68
7	16	20	19	14	15	7.1	3.7	17	20	51	64	68
8	16	20	19	14	14	6.5	4.2	16	20	53	61	69
9	16	21	19	13	14	6.4	5.1	16	20	58	68	68
10	16	20	18	14	15	6.4	9.2	16	19	65	68	66
11	16	21	19	13	15	6.0	12	14	19	62	67	71
12	16	20	18	13	14	6.0	14	15	19	57	58	57
13	19	19	19	13	15	5.9	17	30	18	65	56	26
14	23	18	18	14	15	5.7	19	19	19	69	59	23
15	19	21	17	15	14	5.5	22	19	18	67	78	22
16	17	20	17	15	15	5.6	24	24	17	66	91	22
17	20	20	17	15	14	5.4	25	24	16	64	75	21
18	31	20	17	15	14	4.5	28	21	17	69	71	21
19	30	20	17	15	15	4.6	31	18	43	66	69	21
20	23	18	17	15	15	4.5	40	20	31	60	68	21
21	23	20	17	15	15	4.0	48	21	17	59	68	22
22	22	20	17	13	15	3.9	29	22	14	62	61	21
23	22	20	17	14	16	4.4	14	22	9.4	75	58	20
24	21	20	16	13	16	3.8	12	19	5.7	98	56	20
25	21	20	16	14	16	4.2	10	16	4.4	82	53	20
26	21	21	16	14	15	4.7	12	18	6.8	73	47	20
27	20	21	16	14	15	6.7	16	28	9.5	67	51	19
28	20	20	16	16	16	7.4	16e	30	13	64	56	18
29	20	20	15	17	16	9.2	16e	29	11	59	53	18
30	20	20	15	16	---	11	16e	29e	10	58	48	18
31	19	---	15	16	---	11	---	23e	---	58	51	---
TOTAL	609	598	547	446	436	218.7	481.2	603	504.8	1792	1916	1157
MEAN	19.7	20.0	17.7	14.4	15.1	7.0	16.1	19.5	16.9	57.8	61.8	38.6
MAX	31	21	21	17	16	15	48	30	43	98	91	71
MIN	16	18	15	13	14	3.8	2.2	11	4.4	12	47	18
AC-FT	1208	1186	1085	885	865	434	954	1196	1001	3554	3800	2295
CAL YEAR 2007	TOTAL		8700	MEAN	23.8	MAX	70.0	MIN	2.7	AC-FT	17260	
WTR YEAR 2008	TOTAL		9309	MEAN	25.4	MAX	98.0	MIN	2.2	AC-FT	18460	

e indicates estimated discharge.

## NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER at Mitchell, 06679500

LOCATION.--NE1/4NE1/4 Sec. 33-23-56 W., Scotts Bluff County, Lat. 41° 55' 38", Long. 103° 48' 48", on right bank 10 feet downstream from bridge on County Highway, 0.5 mile south of Mitchell.

DRAINAGE AREA.--24,300 square miles, approximately 22,300 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is 3,928.3 feet above sea level.

PERIOD OF RECORD.--June 1901 to September 1910, periodic record 1911 to 1918, continuous May 1920 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 27,500 cubic feet per second June 3, 1909, gage height 6.45 feet, datum then in use; maximum gage height 7.80 feet May 29, 1984; minimum daily discharge 54 cubic feet per second May 3, 1965.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,760 cubic feet per second May 26, gage height 4.59 feet; minimum daily discharge 17 cubic feet per second May 5.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	206	404	336	300e	274	280	248	128	394	300	268	266
2	201	398	329	290e	269	277	248	132	333	254	289	328
3	202	397	329	268e	267	273	253	128	293	261	292	353
4	201	396	332	296	269	272	249	126	287	324	291	371
5	202	392	329	291	268	268	244	117	365	332	319	352
6	201	389	326	293	266	266	240	126	373	269	306	340
7	199	390	329	293	264	264	238	208	328	241	279	387
8	198	386	332	288	265	264	238	363	261	224	255	404
9	196	385	326	288	263	262	235	378	227	204	305	487
10	195	383	320	286	262	260	243	324	209	205	314	502
11	196	380	328	285	267	262	246	292	184	197	292	493
12	198	376	319	285	267	261	239	376	169	180	266	556
13	206	373	321	282	269	260	235	284	160	192	242	643
14	308	362	322	281	274	261	231	236	213	217	246	817
15	340	362	315	282	268	261	226	213	173	229	386	924
16	285	363	316	269	269	261	219	197	156	258	577	712
17	278	358	317	250	272	262	213	184	156	291	548	513
18	367	358	315	249	268	260	209	196	169	336	515	401
19	418	357	317	253	267	258	192	188	271	355	493	330
20	430	354	318	271	275	256	196	164	279	361	403	285
21	440	356	319	264	282	255	200	155	284	374	366	270
22	436	352	310	240	282	256	204	168	312	407	325	260
23	434	349	313	242	282	257	189	278	315	459	297	247
24	430	349	311	249	285	255	217	552	294	554	276	237
25	428	351	319	258	287	251	207	1170	325	484	265	244
26	423	350	310	271	282	251	202	1500	312	443	259	232
27	418	347	310	278	282	250	205	756	273	389	246	225
28	416	343	311	287	280	248	143	617	255	340	245	220
29	415	339	302	286	281	248	123	512	236	298	240	216
30	418	333	304	279	---	248	121	439	297	299	235	212
31	408	---	300e	275	---	250	---	441	---	277	239	---
TOTAL	9693	11032	9885	8529	7906	8057	6453	10948	7903	9554	9879	11827
MEAN	312.7	367.8	318.9	275.0	272.6	259.9	215.1	353.0	263.4	308.2	318.7	394.2
MAX	440	404	336	300	287	280	253	1500	394	554	577	924
MIN	195	333	300	240	262	248	121	117	156	180	235	212
AC-FT	19230	21880	19610	16920	15680	15980	12800	21720	15680	18950	19590	23460
CAL YEAR 2007 TOTAL			96974	MEAN	265.7	MAX	837.0	MIN	70.0	AC-FT	192300	
WTR YEAR 2008 TOTAL			111666	MEAN	305.1	MAX	1500	MIN	117.0	AC-FT	221500	

e indicates estimated discharge.

**TUB SPRINGS near Scottsbluff, 06680000**

LOCATION.--SW1/4SW1/4 Sec. 33-23-55 W., Scotts Bluff County, Lat. 41° 54' 55", Long. 103° 42' 55", upstream from bridge, 0.2 miles downstream from headgates of Enterprise Canal, 1.5 miles upstream from mouth, and 3.5 miles northwest of Scottsbluff.

DRAINAGE AREA.--Undetermined, channel serves as a drain for return flow from irrigation districts.

GAGE.--Continuous stage recorder; datum of gage is 3,926.54 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1948 - present

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1610 cubic feet per second, 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 120 cubic feet per second September 3, gage height 1.49 feet; minimum daily discharge 15 cubic feet per second January 1 & July 4.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	17	26	24	15	18	19	16	40	32	26	38	50
2	17	26	24	16	18	19	16	41	38	19	41	93
3	17	26	24	21	18	18	17	45	36	16	44	97
4	17	26	24	20	18	18	17	43	37	15	42	59
5	16	26	24	21	18	18	16	39	38	16	42	39
6	16	26	24	21	18	18	16	26	40	16	40	45
7	16	26	23	20	18	18	17	27	37	17	39	42
8	15	26	23	22	18	18	17	33	37	20	38	47
9	16	26	23	22	18	18	17	34	38	19	38	45
10	16	26	23	22	18	18	18	35	37	20	38	42
11	17	26	23	20	18	18	18	36	37	19	42	40
12	17	26	23	20	18	18	17	37	40	22	41	43
13	18	25	22	20	19	18	17	33	39	25	39	37
14	21	25	22	20	19	18	17	33	42	24	43	35
15	19	25	22	20	19	18	17	31	39	25	66	31
16	18	25	22	19	19	18	17	30	38	26	65	28
17	22	24	22	19	19	18	17	29	38	28	52	27
18	26	24	22	19	19	18	18	29	39	28	49	25
19	26	25	22	19	19	18	18	32	35	27	47	25
20	26	25	21	19	19	18	18	31	37	29	42	24
21	26	25	21	19	19	17	18	25	39	30	42	25
22	25	25	21	19	19	18	18	26	40	34	41	25
23	26	25	21	19	19	17	18	28	40	50	38	25
24	26	25	21	19	19	17	18	27	35	50	39	24
25	26	25	21	19	19	17	18	24	35	49	38	24
26	26	25	21	19	19	17	18	28	34	44	41	23
27	26	25	21	19	19	17	18	30	35	44	40	23
28	26	25	21	20	19	17	18	30	32	41	40	23
29	26	25	21	19	19	17	31	28	34	38	40	21
30	26	25	21	19	---	17	33	30	32	37	40	20
31	26	---	20	19	---	17	---	33	---	35	41	---
TOTAL	658	760	687	605	539	550	549	993	1110	889	1326	1107
MEAN	21.2	25.3	22.2	19.5	18.6	17.7	18.3	32.1	37.0	28.6	42.8	36.9
MAX	26	26	24	22	19	19	33	45	42	50	66	97
MIN	15	24	20	15	18	17	16	24	32	15	38	20
AC-FT	1305	1507	1363	1200	1069	1091	1089	1970	2202	1763	2630	2196
CAL YEAR 2007	TOTAL		7452	MEAN	20.4	MAX	43.0	MIN	12.0	AC-FT	14780	
WTR YEAR 2008	TOTAL		9773	MEAN	26.7	MAX	97.0	MIN	15.0	AC-FT	19380	

## NORTH PLATTE RIVER BASIN

## WINTERS CREEK CANAL from North Platte River, 00148000

LOCATION.--NE1/4SE1/4 Sec. 17-22-55 W. near Scottsbluff

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

PERIOD OF RECORD.--1916, 1918 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	25	32	24	21
2	0.00	---	---	---	---	---	0.00	0.00	23	29	26	24
3	0.00	---	---	---	---	---	0.00	0.00	23	29	27	24
4	---	---	---	---	---	---	0.00	0.00	22	31	27	24
5	---	---	---	---	---	---	0.00	0.00	23	31	27	23
6	---	---	---	---	---	---	0.00	0.00	24	31	27	23
7	---	---	---	---	---	---	0.00	0.00	23	29	26	24
8	---	---	---	---	---	---	0.00	9.3	22	28	25	24
9	---	---	---	---	---	---	0.00	14	21	26	27	26
10	---	---	---	---	---	---	0.00	12	20	26	27	26
11	---	---	---	---	---	---	0.00	11	21	25	26	23
12	---	---	---	---	---	---	0.00	12	21	24	25	21
13	---	---	---	---	---	---	0.00	11	21	24	26	24
14	---	---	---	---	---	---	0.00	7.6	21	27	25	23
15	---	---	---	---	---	---	0.00	4.5	21	28	29	23
16	---	---	---	---	---	---	0.00	7.7	20	29	31	18
17	---	---	---	---	---	---	0.00	16	21	30	31	13
18	---	---	---	---	---	---	0.00	16	24	31	29	12
19	---	---	---	---	---	---	0.00	16	28	30	29	11
20	---	---	---	---	---	---	0.00	8.4	28	29	25	5.1
21	---	---	---	---	---	---	0.00	11	29	29	23	0.00
22	---	---	---	---	---	---	0.00	24	30	30	22	0.00
23	---	---	---	---	---	---	0.00	29	30	29	22	0.00
24	---	---	---	---	---	---	0.00	23	30	30	22	0.00
25	---	---	---	---	---	---	0.00	26	31	29	22	0.00
26	---	---	---	---	---	0.00	0.00	28	32	29	22	0.00
27	---	---	---	---	---	0.00	0.00	27	31	29	21	0.00
28	---	---	---	---	---	0.00	0.00	27	31	28	21	0.00
29	---	---	---	---	---	0.00	0.00	23	30	26	21	0.00
30	---	---	---	---	---	0.00	0.00	21	31	25	21	0.00
31	---	---	---	---	---	0.00	---	23	---	25	21	---
TOTAL	0	0	0	0	0	0	0	407.5	757	878	777	412.1
MEAN	0.000	---	---	---	---	0.000	0.000	13.1	25.2	28.3	25.0	13.8
MAX	0.00	---	---	---	---	0.00	0.00	29	32	32	31	26
MIN	0.00	---	---	---	---	0.00	0.00	0.00	20	24	21	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	808	1501	1741	1541	817
CAL YEAR 2007	MAX		33.0	MIN	0.000	AC-FT	5991					
WTR YEAR 2008	MAX		32.0	MIN	0.000	AC-FT	6410					

NORTH PLATTE RIVER BASIN

WINTERS CREEK CANAL from Winters Creek, 00149000

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	14	31	43	44
2	0.00	---	---	---	---	---	0.00	0.00	13	36	42	41
3	0.00	---	---	---	---	---	0.00	0.00	13	35	43	37
4	0.00	---	---	---	---	---	0.00	0.00	14	32	44	17
5	---	---	---	---	---	---	0.00	0.00	15	29	46	31
6	---	---	---	---	---	---	0.00	0.00	14	32	46	27
7	---	---	---	---	---	---	0.00	0.00	14	34	47	25
8	---	---	---	---	---	---	0.00	0.00	14	40	46	25
9	---	---	---	---	---	---	0.00	4.4	14	43	44	26
10	---	---	---	---	---	---	0.00	3.9	14	45	41	24
11	---	---	---	---	---	---	0.00	5.9	14	45	41	19
12	---	---	---	---	---	---	0.00	1.2	14	45	42	19
13	---	---	---	---	---	---	0.00	0.00	15	48	43	18
14	---	---	---	---	---	---	0.00	5.0	15	49	41	16
15	---	---	---	---	---	---	0.00	15	15	49	36	15
16	---	---	---	---	---	---	0.00	33	14	49	0.00	6.8
17	---	---	---	---	---	---	0.00	12	13	50	0.00	0.00
18	---	---	---	---	---	---	0.00	0.15	13	50	0.00	0.00
19	---	---	---	---	---	---	0.00	0.00	14	47	0.00	0.00
20	---	---	---	---	---	---	0.00	0.00	16	48	0.00	0.00
21	---	---	---	---	---	---	0.00	8.8	15	51	0.00	0.00
22	---	---	---	---	---	---	0.00	9.4	14	68	0.00	0.00
23	---	---	---	---	---	---	0.00	17	15	95	38	0.00
24	---	---	---	---	---	---	0.00	31	14	0.00	42	0.00
25	---	---	---	---	---	---	0.00	0.00	13	53	42	0.00
26	---	---	---	---	---	0.00	0.00	12	13	50	43	0.00
27	---	---	---	---	---	0.00	0.00	14	14	51	43	0.00
28	---	---	---	---	---	0.00	0.00	14	17	41	43	0.00
29	---	---	---	---	---	0.00	0.00	14	19	39	43	0.00
30	---	---	---	---	---	0.00	0.00	14	22	42	43	0.00
31	---	---	---	---	---	0.00	---	14	---	41	44	---
TOTAL	0	0	0	0	0	0	0	228.75	438	1368	1026	390.8
MEAN	0.000	---	---	---	---	0.000	0.000	7.4	14.6	44.1	33.1	13.1
MAX	0.00	---	---	---	---	0.00	0.00	33	22	95	47	44
MIN	0.00	---	---	---	---	0.00	0.00	0.00	13	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	454	869	2713	2035	775
CAL YEAR 2007	MAX		47.0	MIN	0.000	AC-FT	7719					
WTR YEAR 2008	MAX		95.0	MIN	0.000	AC-FT	6846					

## NORTH PLATTE RIVER BASIN

## CENTRAL CANAL from North Platte River, 00022000

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

GAGE.--Continuous stage recorder and concrete box

PERIOD OF RECORD.--1919 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.7	---	---	---	---	---	0.00	0.00	22	24	35	31
2	9.3	---	---	---	---	---	0.00	0.00	21	23	35	31
3	8.8	---	---	---	---	---	0.00	0.00	20	24	34	30
4	8.5	---	---	---	---	---	0.00	0.00	18	23	34	30
5	10	---	---	---	---	---	0.00	0.00	16	24	34	30
6	13	---	---	---	---	---	0.00	0.00	14	25	34	29
7	16	---	---	---	---	---	0.00	0.00	17	27	34	28
8	0.00	---	---	---	---	---	0.00	0.00	17	29	34	28
9	0.00	---	---	---	---	---	0.00	0.00	13	31	34	28
10	0.00	---	---	---	---	---	0.00	0.00	14	30	34	28
11	0.00	---	---	---	---	---	0.00	0.00	14	36	30	29
12	---	---	---	---	---	---	0.00	0.00	14	37	30	30
13	---	---	---	---	---	---	0.00	0.00	16	37	30	31
14	---	---	---	---	---	---	0.00	19	19	36	30	30
15	---	---	---	---	---	---	0.00	24	19	33	32	27
16	---	---	---	---	---	---	0.00	24	19	31	32	23
17	---	---	---	---	---	---	0.00	24	19	33	32	23
18	---	---	---	---	---	---	0.00	23	19	33	28	23
19	---	---	---	---	---	---	0.00	24	21	34	25	23
20	---	---	---	---	---	---	0.00	24	22	35	25	23
21	---	---	---	---	---	---	0.00	28	23	35	25	18
22	---	---	---	---	---	---	0.00	23	24	36	25	0.00
23	---	---	---	---	---	---	0.00	21	24	34	25	0.00
24	---	---	---	---	---	0.00	0.00	20	23	34	25	0.00
25	---	---	---	---	---	0.00	0.00	20	21	34	25	0.00
26	---	---	---	---	---	0.00	0.00	20	21	34	25	0.00
27	---	---	---	---	---	0.00	0.00	19	20	34	26	0.00
28	---	---	---	---	---	0.00	0.00	18	20	34	31	0.00
29	---	---	---	---	---	0.00	0.00	19	20	33	30	0.00
30	---	---	---	---	---	0.00	0.00	19	21	34	29	0.00
31	---	---	---	---	---	0.00	---	22	---	35	29	---
TOTAL	75.3	0	0	0	0	0	0	391	571	982	931	573
MEAN	6.9	---	---	---	---	0.000	0.000	12.6	19.0	31.7	30.0	19.1
MAX	16	---	---	---	---	0.00	0.00	28	24	37	35	31
MIN	0.00	---	---	---	---	0.00	0.00	0.00	13	23	25	0.00
AC-FT	149	0.00	0.00	0.00	0.00	0.00	0.00	776	1133	1948	1847	1137
CAL YEAR 2007	MAX	35.0	MIN	0.000	AC-FT	7404						
WTR YEAR 2008	MAX	37.0	MIN	0.000	AC-FT	6988						

WINTERS CREEK near Scottsbluff, 06681000

LOCATION.--NW1/4SE1/4 Sec. 30-22-54 W., Scotts Bluff County, Lat. 41° 51' 08", Long. 103° 37' 35", on right bank 700 feet downstream from bridge on U.S. Highway 26, one mile upstream from mouth, 1.5 miles east of Scottsbluff.

GAGE.--Continuous stage recorder. Gage datum is 3,859.8 feet National Geodetic Datum of 1929.

PERIOD OF RECORD.--1931 - present

REMARKS.--Published by U.S. Geological Survey up to October 1, 1979. Records are good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,160 cubic feet per second June 21, 1977, gage height 8.07 feet; maximum gage height 9.34 feet, present datum, January 7, 1949 due to backwater from snow drifts; minimum daily discharge 0.9 cubic feet per second July 5, 1961.

EXTREMES FOR CURRENT YEAR.--Peak discharge 680 cubic feet per second July 22, gage height 7.05 feet; minimum daily discharge 10 cubic feet per second July 8 & 9.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	63	49	44	40	35	35	35	37	44	22	38	39
2	63	49	43	40	36	35	36	35	45	17	38	52
3	62	49	43	40	35	34	36	33	46	40	38	73
4	61	50	44	40	35	35	35	33	50	66	31	85
5	59	49	44	39	34	34	34	31	54	19	34	102
6	58	49	44	39	35	34	34	31	52	15	34	103
7	58	49	44	39	34	34	35	47	51	11	32	95
8	58	49	44	39	34	34	35	45	50	10.0	28	88
9	57	49	44	39	33	34	34	37	49	10	27	85
10	55	49	43	39	33	33	35	30	49	11	25	87
11	55	49	43	39	34	33	34	31	46	11	21	83
12	55	49	43	39	34	34	34	47	47	11	18	83
13	58	48	43	38	35	34	34	54	45	12	16	83
14	62	46	44	38	35	36	34	40	44	16	18	70
15	56	46	43	38	34	35	34	39	45	19	148	67
16	55	46	43	38	36	34	34	82	40	22	246	82
17	55	46	42	38	37	33	34	125	32	22	201	83
18	94	46	42	38	37	33	34	141	42	23	192	81
19	67	46	42	37	36	33	34	140	46	13	180	82
20	52	46	42	37	36	33	34	83	54	12	133	75
21	51	46	42	37	36	34	34	39	51	12	108	62
22	50	46	42	36	36	35	34	40	51	132	93	60
23	50	46	42	36	36	35	35	89	53	265	50	63
24	48	46	42	36	36	37	35	111	52	136	32	63
25	49	46	43	36	36	36	35	70	51	166	39	61
26	48	45	41	36	35	36	35	35	53	126	42	60
27	48	45	41	36	35	36	35	38	53	101	46	61
28	48	45	41	37	36	36	35	43	41	63	42	61
29	48	45	41	36	35	35	36	38	36	42	39	58
30	49	43	41	35	---	36	36	44	31	39	31	60
31	49	---	40	35	---	35	---	42	---	36	35	---
TOTAL	1741	1412	1320	1170	1019	1071	1039	1730	1403	1500	2055	2207
MEAN	56.2	47.0	42.6	37.7	35.0	34.5	34.6	55.8	46.8	48.4	66.3	73.5
MAX	94	50	44	40	37	37	36	141	54	265	246	103
MIN	48	43	40	35	33	33	34	30	31	10.0	16	39
AC-FT	3453	2801	2618	2321	2021	2124	2061	3431	2783	2975	4076	4378
CAL YEAR 2007	TOTAL		13165	MEAN	36.1	MAX	115.0	MIN	5.6	AC-FT	26110	
WTR YEAR 2008	TOTAL		17667	MEAN	48.3	MAX	265.0	MIN	10.0	AC-FT	35040	



## NORTH PLATTE RIVER BASIN

## MINATARE CANAL from North Platte River, 00099000

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

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

PERIOD OF RECORD.--1919 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	43	---	---	---	---	---	0.00	0.00	62	69	95	98
2	44	---	---	---	---	---	0.00	0.00	62	71	97	91
3	43	---	---	---	---	---	0.00	0.00	60	74	99	81
4	43	---	---	---	---	---	0.00	0.00	59	77	101	78
5	43	---	---	---	---	---	0.00	0.00	61	82	100	76
6	44	---	---	---	---	---	0.00	19	63	86	100	70
7	44	---	---	---	---	---	0.00	18	61	85	97	74
8	45	---	---	---	---	---	0.00	33	59	84	97	72
9	45	---	---	---	---	---	0.00	24	59	84	99	72
10	46	---	---	---	---	---	0.00	24	57	88	97	73
11	43	---	---	---	---	---	0.00	27	54	90	98	66
12	40	---	---	---	---	---	0.00	29	50	89	99	65
13	41	---	---	---	---	---	0.00	31	55	86	100	68
14	36	---	---	---	---	---	0.00	31	62	89	103	72
15	33	---	---	---	---	---	0.00	34	60	90	102	71
16	32	---	---	---	---	---	0.00	42	57	90	96	65
17	27	---	---	---	---	---	0.00	44	56	94	95	60
18	9.9	---	---	---	---	---	0.00	44	62	98	94	56
19	0.00	---	---	---	---	---	0.00	43	66	102	92	54
20	0.00	---	---	---	---	---	0.00	48	63	103	86	52
21	0.00	---	---	---	---	---	0.00	60	58	103	91	51
22	0.00	---	---	---	---	---	0.00	66	58	103	95	52
23	0.00	---	---	---	---	---	0.00	68	52	83	92	52
24	0.00	---	---	---	---	---	0.00	70	53	96	90	52
25	---	---	---	---	---	0.00	0.00	69	65	95	94	52
26	---	---	---	---	---	0.00	0.00	69	66	82	99	60
27	---	---	---	---	---	0.00	0.00	63	64	84	99	64
28	---	---	---	---	---	0.00	0.00	65	67	96	98	64
29	---	---	---	---	---	0.00	0.00	65	67	92	98	64
30	---	---	---	---	---	0.00	0.00	62	67	94	98	59
31	---	---	---	---	---	0.00	---	63	---	95	98	---
TOTAL	701.9	0	0	0	0	0	0	1211	1805	2754	2999	1984
MEAN	29.3	---	---	---	---	0.000	0.000	39.1	60.1	88.8	96.8	66.1
MAX	46	---	---	---	---	0.00	0.00	70	67	103	103	98
MIN	0.00	---	---	---	---	0.00	0.00	0.00	50	69	86	51
AC-FT	1392	0.00	0.00	0.00	0.00	0.00	0.00	2402	3580	5462	5948	3935
CAL YEAR 2007	MAX	105.0	MIN	0.000	AC-FT	21730						
WTR YEAR 2008	MAX	103.0	MIN	0.000	AC-FT	22720						

GERING CREEK near Gering, 06681500

LOCATION.--SE1/4NE1/4 Sec. 6-21-54 W., Scotts Bluff County, Lat. 41° 49' 20", Long 103° 37' 02", on right bank 200 feet downstream from county road bridge, 0.2 mile downstream from bridge on State Highway 92, one mile upstream from the mouth, and two miles east of Gering.

GAGE.--Continuous stage recorder. Gage datum is 3,850.62 feet National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--Feb. 1931 - Sep. 1945, Oct. 1948 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 9,560 cubic feet per second June 8, 1958, gage height 18.3 ft. from high water mark; minimum daily discharge 5.0 cubic feet per second August 13, 16, 19, 1940.

EXTREMES FOR CURRENT YEAR.--Peak discharge 336 cubic feet per second August 16, gage height 4.06 feet; minimum daily discharge 13 cubic feet per second May 3 - 5.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	23	21	18	17e	20	15	16	57	17	87	108	155
2	21	20	17	17e	22	16	16	24	17	125	114	171
3	20	20	18	17e	21	15	15	13	20	138	112	199
4	20	20	19	19	19	15	22	13	31	124	104	203
5	20	20	19	20	17	14	34	13	40	125	114	217
6	21	18	19	20	16	14	37	14	27	128	103	236
7	20	19	19	19	17	14	37	60	26	122	100	208
8	21	18	18	19	17	14	34	158	29	107	99	217
9	21	18	18	19	16	14	34	135	31	104	103	239
10	21	18	17	19	16	14	34	143	31	97	142	232
11	22	18	18	19	17	14	31	167	31	97	137	161
12	27	18	17	19	16	15	31	140	23	99	123	113
13	34	18	17	19	16	15	29	96	16	100	117	52
14	42	18	17	20	16	16	31	80	16	103	120	32
15	33	18	16	19	15	15	29	101	16	107	221	31
16	32	18	17	18	16	15	28	113	16	102	246	30
17	33	18	16	17	16	15	27	104	16	106	215	30
18	33	18	17	18	16	15	26	79	58	111	211	30
19	33	18	17	17	16	14	25	80	91	105	196	29
20	33	18	17	18	15	15	25	84	102	99	190	30
21	34	18	17	17	14	15	23	76	134	103	164	30
22	29	17	16	16	14	15	22	74	124	100	150	31
23	29	17	17	18	15	15	22	119	117	125	146	28
24	28	17	16	17	15	15	21	110	97	120	131	29
25	28	17	18	19	15	15	20	92	96	107	121	29
26	28	17	15	19	14	16	19	88	81	109	117	29
27	25	17	15	19	14	16	18	70	83	110	116	28
28	22	18	16	20	15	16	17	62	98	109	124	28
29	21	17	15	19	15	16	24	49	90	112	137	27
30	21	17	16	19	---	16	49	21	77	111	134	27
31	21	---	16	19	---	16	---	16	---	102	134	---
TOTAL	816	544	528	572	471	465	796	2451	1651	3394	4349	2901
MEAN	26.3	18.2	17.0	18.5	16.2	15.0	26.5	79.1	54.9	109.6	140.3	96.7
MAX	42	21	19	20	22	16	49	167	134	138	246	239
MIN	20	17	15	16	14	14	15	13	16	87	99	27
AC-FT	1619	1079	1047	1135	934	922	1579	4861	3275	6732	8626	5754
CAL YEAR 2007 TOTAL			13262	MEAN	36.3	MAX	213.0	MIN	9.4	AC-FT	26300	
WTR YEAR 2008 TOTAL			18938	MEAN	51.7	MAX	246.0	MIN	13.0	AC-FT	37560	

e indicates estimated records.

## NORTH PLATTE RIVER BASIN

## CASTLE ROCK - STEAMBOAT CANAL from North Platte River, 00021000

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916, 1918 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	59	---	---	---	---	---	0.00	63	54	83	74	65
2	58	---	---	---	---	---	0.00	57	59	81	77	72
3	57	---	---	---	---	---	0.00	56	57	82	79	73
4	55	---	---	---	---	---	0.00	55	55	82	80	68
5	54	---	---	---	---	---	0.00	56	51	83	84	57
6	53	---	---	---	---	---	0.00	62	59	86	82	48
7	51	---	---	---	---	---	0.00	66	67	87	79	41
8	50	---	---	---	---	---	0.00	62	60	89	82	49
9	50	---	---	---	---	---	0.00	73	58	90	83	55
10	49	---	---	---	---	---	0.00	67	54	93	87	56
11	49	---	---	---	---	---	0.00	68	48	89	77	54
12	50	---	---	---	---	---	0.00	68	47	99	68	55
13	50	---	---	---	---	---	0.00	64	58	96	74	56
14	54	---	---	---	---	---	0.00	50	55	92	72	54
15	44	---	---	---	---	---	0.00	52	60	87	67	52
16	0.00	---	---	---	---	---	0.00	55	62	87	47	49
17	0.00	---	---	---	---	---	0.00	65	66	90	53	36
18	0.00	---	---	---	---	---	3.4	64	69	81	56	32
19	0.00	---	---	---	---	---	18	65	72	80	53	39
20	0.00	---	---	---	---	---	24	69	75	77	53	45
21	0.00	---	---	---	---	---	29	75	77	77	54	42
22	0.00	---	---	---	---	---	28	74	77	78	74	42
23	0.00	---	---	---	---	---	27	68	79	81	69	41
24	---	---	---	---	---	0.00	28	60	78	76	67	40
25	---	---	---	---	---	0.00	32	58	75	73	69	39
26	---	---	---	---	---	0.00	40	60	75	72	58	39
27	---	---	---	---	---	0.00	51	54	72	77	62	37
28	---	---	---	---	---	0.00	51	53	76	73	68	37
29	---	---	---	---	---	0.00	53	54	82	75	69	36
30	---	---	---	---	---	0.00	57	52	82	77	74	35
31	---	---	---	---	---	0.00	---	51	---	73	64	---
TOTAL	783	0	0	0	0	0	441.4	1896	1959	2566	2155	1444
MEAN	34.0	---	---	---	---	0.000	14.7	61.3	65.3	82.8	69.5	48.2
MAX	59	---	---	---	---	0.00	57	75	82	99	87	73
MIN	0.00	---	---	---	---	0.00	0.00	50	47	72	47	32
AC-FT	1553	0.00	0.00	0.00	0.00	0.00	876	3761	3886	5090	4274	2864
CAL YEAR 2007	MAX	93.0	MIN	0.000	AC-FT	21100						
WTR YEAR 2008	MAX	99.0	MIN	0.000	AC-FT	22300						

**NORTH PLATTE RIVER near Minatare, 06682000**

LOCATION.--Main channel gage: SW1/4SW1/4 Sec. 18-21-53 W., Scotts Bluff County, Lat. 41° 47' 24", Long. 103° 31' 08", on right bank 15 feet downstream from bridge on State Highway 326, 1.8 mile southwest of Minatare; Nine Mile channel gage: NE1/4SE1/4 Sec. 13-21-54 W., Scotts Bluff County, Lat. 41° 47' 32", Long. 103° 31' 08", on left bank 20 feet upstream from bridge on State Highway 326 and 750 feet north of main channel bridge.

GAGE.--Continuous stage recorders operated on Main and Nine Mile channels. Main channel gage datum 3,807.0 feet above sea level; Nine Mile Channel gage datum 3,812.3 feet above sea level.

PERIOD OF RECORD.--Irrigation season 1916 - 1919 & 1922, June 1923 - present (monthly discharges only for some periods)

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 19,500 cubic feet per second July 2, 1917, combined channel discharge; minimum daily discharge 11 cubic feet per second August 16 - 18, 1940, combined channel discharge.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,600 cubic feet per second May 26, combined channel discharge; minimum daily discharge 155 cubic feet per second July 13, combined channel discharge.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	370	573	536	479	407	417	392	286	472	346	356	395
2	378	576	527	452	396	415	394	285	428	329	356	519
3	370	570	528	446e	395	429	399	278	416	365	357	621
4	369	573	533	473	392	430	398	283	413	419	373	662
5	369	565	527	478	394	423	395	271	511	397	391	682
6	366	559	526	475	396	422	387	229	494	378	385	726
7	363	560	519	475	400	414	386	240	431	326	367	710
8	356	561	516	467	402	419	391	484	383	290	353	752
9	349	558	515	467	396	418	391	518	373	258	360	833
10	347	560	517	466	396	423	416	516	350	230	401	885
11	353	560	521	465	399	427	409	500	338	200	454	791
12	363	557	520	459	399	429	399	517	292	166	411	758
13	372	559	520	457	404	429	396	514	270	155	380	730
14	454	544	519	453	403	443	400	416	264	171	400	743
15	474	541	511	454	404	432	400	397	278	199	705	866
16	488	546	503	443e	409	435	390	392	244	196	1050	851
17	459	546	495	413e	415	430	383	377	235	211	1050	707
18	496	547	495	412e	405	424	379	364	241	242	979	582
19	632	549	494	421e	404	421	367	356	319	266	952	514
20	621	544	497	428e	401	427	358	348	404	276	850	461
21	637	538	497	427e	402	419	336	259	452	282	680	432
22	633	530	489	394e	400	426	351	232	466	313	584	426
23	628	521	487	395e	418	419	343	354	482	712	514	409
24	619	529	487	395e	420	417	357	553	451	637	455	393
25	618	538	511	401e	425	411	342	818	427	677	426	395
26	618	542	505	414	429	415	325	1430	413	642	420	388
27	609	532	502	423	420	413	307	1210	394	570	399	375
28	607	536	492	432	421	400	308	876	381	510	376	369
29	597	537	477	428	417	403	296	720	332	433	388	362
30	596	533	484	412	---	400	276	526	321	403	373	358
31	582	---	480	403	---	404	---	490	---	370	375	---
TOTAL	15093	16484	15730	13607	11769	13034	11071	15039	11275	10969	15920	17695
MEAN	486.9	549.5	507.4	438.9	405.8	420.5	369.0	485.0	375.8	353.8	513.6	589.8
MAX	637	576	536	479	429	443	416	1430	511	712	1050	885
MIN	347	521	477	394	392	400	276	229	235	155	353	358
AC-FT	29940	32700	31200	26990	23340	25850	21960	29830	22360	21760	31580	35100
CAL YEAR 2007	TOTAL		137698	MEAN	377.3	MAX	819.0	MIN	64.0	AC-FT	273100	
WTR YEAR 2008	TOTAL		167686	MEAN	458.2	MAX	1430	MIN	155.0	AC-FT	332600	

e indicates estimated discharge.

## NORTH PLATTE RIVER BASIN

## NINE MILE CANAL from North Platte River, 00106000

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	18	---	---	---	---	---	0.00	28	27	49	49	33
2	18	---	---	---	---	---	0.00	32	15	26	50	31
3	17	---	---	---	---	---	0.00	32	9.7	30	35	36
4	16	---	---	---	---	---	0.00	32	7.8	35	36	36
5	16	---	---	---	---	---	0.00	29	16	35	36	36
6	15	---	---	---	---	---	0.00	17	16	36	33	37
7	15	---	---	---	---	---	0.00	13	13	36	35	37
8	15	---	---	---	---	---	0.00	47	10	35	40	28
9	14	---	---	---	---	---	0.00	61	5.2	36	41	14
10	14	---	---	---	---	---	0.00	66	0.09	41	40	13
11	14	---	---	---	---	---	0.00	67	14	49	34	14
12	12	---	---	---	---	---	0.00	64	42	46	28	14
13	11	---	---	---	---	---	0.00	59	42	45	30	11
14	11	---	---	---	---	---	0.00	51	47	48	35	15
15	12	---	---	---	---	---	0.00	45	49	53	34	19
16	11	---	---	---	---	---	0.00	43	48	39	26	24
17	11	---	---	---	---	---	0.00	37	49	21	25	30
18	11	---	---	---	---	---	0.00	22	54	28	27	27
19	10	---	---	---	---	---	0.00	0.00	46	51	31	19
20	9.5	---	---	---	---	---	0.00	0.00	44	39	29	19
21	3.9	---	---	---	---	---	0.00	0.00	49	30	29	19
22	13	---	---	---	---	---	0.00	0.00	50	28	29	19
23	9.6	---	---	---	---	---	0.00	0.00	48	21	31	22
24	12	---	---	---	---	---	11	0.00	55	18	35	27
25	14	---	---	---	---	0.00	12	0.00	56	15	38	26
26	14	---	---	---	---	0.00	17	0.00	56	28	38	27
27	0.00	---	---	---	---	0.00	22	0.00	60	37	39	25
28	0.00	---	---	---	---	0.00	31	0.00	55	39	39	29
29	0.00	---	---	---	---	0.00	31	0.00	54	50	40	34
30	---	---	---	---	---	0.00	25	8.9	54	54	38	32
31	---	---	---	---	---	0.00	---	30	---	52	38	---
TOTAL	337	0	0	0	0	0	149	783.9	1091.79	1150	1088	753
MEAN	11.7	---	---	---	---	0.000	5.0	25.3	36.5	37.2	35.1	25.0
MAX	18	---	---	---	---	0.00	31	67	60	54	50	37
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.09	15	25	11
AC-FT	668	0.00	0.00	0.00	0.00	0.00	296	1555	2166	2281	2158	1494
CAL YEAR 2007	MAX	55.0	MIN	0.000	AC-FT	8061						
WTR YEAR 2008	MAX	67.0	MIN	0.000	AC-FT	10620						

# NORTH PLATTE RIVER BASIN

**NINE MILE CANAL from Ninemile Creek, 00106100**

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1988 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	46	48	---	---	---	---	0.00	15	49	0.00	22	41
2	45	41	---	---	---	---	0.00	13	35	0.00	32	30
3	47	27	---	---	---	---	0.00	13	42	0.00	36	39
4	47	30	---	---	---	---	0.00	21	41	39	52	42
5	50	32	---	---	---	---	0.00	25	34	45	47	41
6	44	30	---	---	---	---	0.00	25	33	48	45	52
7	27	31	---	---	---	---	0.00	23	38	52	46	53
8	40	33	---	---	---	---	0.00	26	34	52	49	51
9	47	31	---	---	---	---	0.00	31	34	47	35	28
10	47	30	---	---	---	---	0.00	34	37	46	32	28
11	46	30	---	---	---	---	0.00	28	31	47	18	34
12	37	32	---	---	---	---	0.00	32	23	42	22	48
13	20	33	---	---	---	---	0.00	21	39	41	34	49
14	23	17	---	---	---	---	0.00	24	34	34	20	50
15	25	23	---	---	---	---	0.00	31	44	26	28	57
16	24	25	---	---	---	---	0.00	37	45	7.9	13	59
17	40	30	---	---	---	---	0.00	54	47	0.00	4.7	54
18	50	30	---	---	---	---	0.00	59	39	1.2	17	54
19	29	15	---	---	---	---	0.00	52	34	28	39	55
20	35	18	---	---	---	---	0.00	46	27	64	35	54
21	4.7	0.00	---	---	---	---	0.00	44	0.00	74	37	46
22	9.6	0.00	---	---	---	---	0.00	47	0.00	53	39	40
23	24	0.00	---	---	---	---	0.00	54	0.00	39	25	44
24	31	0.00	---	---	---	0.00	0.00	51	0.00	39	34	46
25	33	0.00	---	---	---	0.00	0.00	44	0.00	35	43	46
26	29	0.00	---	---	---	0.00	0.00	49	0.00	28	44	47
27	25	0.00	---	---	---	0.00	0.00	46	0.00	32	46	56
28	27	---	---	---	---	0.00	0.00	44	0.00	23	47	58
29	36	---	---	---	---	0.00	0.00	30	0.00	22	43	55
30	40	---	---	---	---	0.00	0.00	36	0.00	20	44	38
31	40	---	---	---	---	0.00	---	42	---	20	45	---
TOTAL	1068.3	586	0	0	0	0	0	1097	740	1005.1	1073.7	1395
MEAN	34.5	21.7	---	---	---	0.000	0.000	35.3	24.7	32.4	34.7	46.5
MAX	50	48	---	---	---	0.00	0.00	59	49	74	52	59
MIN	4.7	0.00	---	---	---	0.00	0.00	13	0.00	0.00	4.7	28
AC-FT	2119	1162	0.00	0.00	0.00	0.00	0.00	2176	1468	1994	2130	2767
CAL YEAR 2007	MAX	61.0	MIN	0.000	AC-FT	14030						
WTR YEAR 2008	MAX	74.0	MIN	0.000	AC-FT	13820						

## NORTH PLATTE RIVER BASIN

## NINE MILE CREEK near McGrew, 06682500

LOCATION.--SE1/4SE1/4 Sec. 23-21-53 W., Scotts Bluff County, Lat. 41° 46' 15", Long. 103° 25' 18", on right bank 65 feet upstream from county highway bridge, 0.5 mile upstream from mouth, and 1.5 miles north of McGrew.

PERIOD OF RECORD.--1932 - present

GAGE.--Continuous stage recorder. Altitude of gage is 3,780 feet from topographic map.

REMARKS.--Published by the U. S. Geological Survey up to October 1, 1979. Records are good.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 1,470 cubic feet per second, May 24, 1987, gage height 6.69 feet; minimum daily discharge 12 cubic feet per second May 13 & 14, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharge 474 cubic feet per second July 23, gage height 5.07 feet; minimum daily discharge 7.1 cubic feet per second May 7.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	59	33	40	51	48	53	39	41	68	84	79	145
2	58	39	35	46	49	53	37	40	50	51	82	175
3	57	41	47	48	49	51	37	37	28	60	77	206
4	57	38	58	51	49	52	36	21	35	63	85	203
5	55	35	56	55	47	50	36	10.0	56	84	108	168
6	56	44	60	56	46	50	35	7.3	51	131	103	177
7	61	40	62	56	45	50	35	7.1	33	96	99	181
8	55	42	60	56	44	49	35	19	24	79	105	244
9	51	43	61	57	43	48	35	42	15	43	124	242
10	53	43	58	57	43	49	38	40	12	50	134	187
11	51	41	59	57	44	49	35	49	20	56	152	180
12	53	35	57	58	43	49	34	40	54	51	111	178
13	71	29	58	58	52	49	33	48	34	63	106	172
14	76	35	59	58	52	51	33	40	49	70	111	149
15	71	26	56	59	50	49	33	28	39	70	207	149
16	72	25	58	56	53	49	30	77	36	86	362	156
17	60	26	57	56	53	47	28	59	39	81	300	158
18	66	30	57	57	50	46	28	75	49	77	278	147
19	84	42	58	54	51	44	28	57	38	74	249	135
20	47	49	58	55	49	44	28	28	45	42	224	127
21	60	62	59	51	46	43	27	11	55	24	197	124
22	68	58	55	50	46	44	28	18	75	74	168	123
23	49	54	57	49	49	43	28	71	79	203	132	123
24	45	55	56	44	49	43	29	165	87	153	126	128
25	44	56	59	46	50	42	29	57	85	181	118	129
26	46	56	56	46	50	42	37	57	87	136	108	123
27	34	51	57	46	50	41	43	50	91	128	107	112
28	34	48	56	49	50	40	58	70	90	98	110	109
29	31	57	53	48	51	40	53	58	79	82	117	113
30	27	55	54	48	---	39	42	85	81	83	124	112
31	30	---	53	47	---	41	---	78	---	78	126	---
TOTAL	1681	1288	1729	1625	1401	1440	1047	1485.4	1584	2651	4529	4675
MEAN	54.3	43.0	55.9	52.3	48.3	46.5	34.9	47.9	52.8	85.5	146.1	155.8
MAX	84	62	62	59	53	53	58	165	91	203	362	244
MIN	27	25	35	44	43	39	27	7.1	12	24	77	109
AC-FT	3334	2555	3429	3223	2779	2856	2077	2946	3142	5258	8983	9273
CAL YEAR 2007	TOTAL		19114	MEAN	52.4	MAX	156.0	MIN	1.9	AC-FT	37910	
WTR YEAR 2008	TOTAL		25135	MEAN	68.7	MAX	362.0	MIN	7.1	AC-FT	49860	

# NORTH PLATTE RIVER BASIN

**SHORT LINE CANAL from North Platte River, 00133000**

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1916, 1920 - present

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	28	12	---	---	---	---	0.00	43	28	29	38	22
2	22	14	---	---	---	---	0.00	39	28	25	36	23
3	19	15	---	---	---	---	0.00	40	26	33	33	21
4	19	13	---	---	---	---	0.00	30	26	34	34	21
5	18	12	---	---	---	---	0.00	21	42	35	33	21
6	18	17	---	---	---	---	0.00	18	37	38	28	22
7	21	14	---	---	---	---	0.00	15	31	30	29	21
8	19	14	---	---	---	---	0.00	26	27	33	31	21
9	16	15	---	---	---	---	0.00	37	22	34	31	21
10	17	15	---	---	---	---	0.00	40	19	42	30	24
11	16	15	---	---	---	---	0.00	43	22	48	25	23
12	17	13	---	---	---	---	0.00	36	47	47	26	24
13	23	11	---	---	---	---	0.00	40	36	51	27	24
14	25	12	---	---	---	---	0.00	36	40	46	26	24
15	24	8.8	---	---	---	---	0.00	27	36	48	27	25
16	23	8.2	---	---	---	---	0.00	51	26	50	9.1	26
17	20	8.1	---	---	---	---	0.00	38	33	46	8.3	26
18	19	6.3	---	---	---	---	0.00	50	34	46	9.7	25
19	27	6.0	---	---	---	---	0.00	38	34	46	11	25
20	17	5.9	---	---	---	---	0.00	18	33	40	11	26
21	21	0.00	---	---	---	---	0.00	10	32	45	12	26
22	24	0.00	---	---	---	---	0.00	12	41	45	11	26
23	17	0.00	---	---	---	---	0.00	43	36	0.17	13	25
24	16	0.00	---	---	---	0.00	0.00	39	37	16	14	26
25	16	0.00	---	---	---	0.00	21	28	34	30	13	25
26	16	0.00	---	---	---	0.00	33	31	32	37	12	21
27	13	0.00	---	---	---	0.00	31	26	33	37	17	19
28	13	---	---	---	---	0.00	50	42	31	38	21	18
29	12	---	---	---	---	0.00	52	31	31	38	22	16
30	10	---	---	---	---	0.00	44	45	30	35	22	16
31	11	---	---	---	---	0.00	---	34	---	36	21	---
TOTAL	577	235.3	0	0	0	0	231	1027	964	1158.17	681.1	683
MEAN	18.6	8.7	---	---	---	0.000	7.7	33.2	32.0	37.4	22.0	22.8
MAX	28	17	---	---	---	0.00	52	51	47	51	38	26
MIN	10	0.00	---	---	---	0.00	0.00	10	19	0.17	8.3	16
AC-FT	1144	467	0.00	0.00	0.00	0.00	458	2037	1912	2297	1351	1355
CAL YEAR 2007	MAX	54.0	MIN	0.000	AC-FT	8174						
WTR YEAR 2008	MAX	52.0	MIN	0.000	AC-FT	11020						



## NORTH PLATTE RIVER BASIN

## CHIMNEY ROCK CANAL from North Platte River, 00024000

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	38	26	---	---	---	---	0.00	65	42	61	74	59
2	44	27	---	---	---	---	0.00	66	42	81	76	64
3	44	27	---	---	---	---	0.00	54	45	84	80	62
4	44	28	---	---	---	---	0.00	52	43	89	82	55
5	43	28	---	---	---	---	0.00	57	48	92	83	53
6	42	27	---	---	---	---	0.00	59	45	95	84	54
7	42	26	---	---	---	---	0.00	57	40	86	82	55
8	42	22	---	---	---	---	0.00	68	37	76	81	57
9	42	21	---	---	---	---	0.00	58	37	80	82	55
10	42	22	---	---	---	---	0.00	62	40	84	82	52
11	42	24	---	---	---	---	0.00	49	52	77	75	48
12	44	25	---	---	---	---	0.00	53	51	70	70	45
13	45	22	---	---	---	---	0.00	48	51	72	67	46
14	48	13	---	---	---	---	0.00	42	51	78	66	45
15	45	8.2	---	---	---	---	0.00	44	53	84	69	47
16	48	7.0	---	---	---	---	0.00	53	59	89	66	45
17	44	0.00	---	---	---	---	0.00	56	57	91	66	42
18	41	0.00	---	---	---	---	0.00	56	69	90	62	43
19	36	0.00	---	---	---	---	0.00	55	67	91	60	43
20	21	0.00	---	---	---	---	0.00	54	62	94	59	50
21	20	---	---	---	---	0.00	0.00	50	57	95	55	45
22	30	---	---	---	---	0.00	38	51	60	92	53	46
23	20	---	---	---	---	0.00	41	51	64	90	51	46
24	28	---	---	---	---	0.00	44	51	61	77	49	46
25	26	---	---	---	---	0.00	52	51	58	77	56	46
26	23	---	---	---	---	0.00	48	48	56	74	56	46
27	13	---	---	---	---	0.00	42	37	54	67	54	45
28	13	---	---	---	---	0.00	41	34	52	62	63	45
29	21	---	---	---	---	0.00	52	43	48	58	61	48
30	26	---	---	---	---	0.00	64	46	45	64	63	59
31	28	---	---	---	---	0.00	---	43	---	67	62	---
TOTAL	1085	353.2	0	0	0	0	422	1613	1546	2487	2089	1492
MEAN	35.0	17.7	---	---	---	0.000	14.1	52.0	51.5	80.1	67.4	49.6
MAX	48	28	---	---	---	0.00	64	68	69	95	84	64
MIN	13	0.00	---	---	---	0.00	0.00	34	37	58	49	42
AC-FT	2152	701	0.00	0.00	0.00	0.00	837	3199	3066	4933	4143	2959
CAL YEAR 2007	MAX	87.0	MIN	0.000	AC-FT	20840						
WTR YEAR 2008	MAX	95.0	MIN	0.000	AC-FT	21990						

NORTH PLATTE RIVER BASIN

ALLIANCE CANAL from Bayard Creek, 00002000

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

GAGE.--Continuous stage recorder and concrete box

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	27	23	---	---	---	---	9.8	20	21	12	0.86	9.2
2	27	23	---	---	---	---	9.7	22	0.00	11	0.93	9.5
3	27	24	---	---	---	---	10	24	0.00	11	7.0	9.2
4	26	24	---	---	---	---	10	21	14	11	19	9.2
5	27	25	---	---	---	---	10	20	20	11	24	11
6	27	25	---	---	---	---	9.7	17	21	11	24	13
7	28	26	---	---	---	---	9.4	14	17	12	26	11
8	28	26	---	---	---	---	9.7	15	15	15	26	12
9	29	24	---	---	---	---	9.8	17	15	17	27	16
10	29	23	---	---	---	---	11	20	16	19	23	25
11	29	23	---	---	---	---	11	20	15	19	8.6	28
12	28	22	---	---	---	---	9.9	19	14	19	3.8	27
13	29	21	---	---	---	---	9.8	20	15	21	2.8	30
14	32	22	---	---	---	---	12	20	16	22	2.1	28
15	32	23	---	---	---	---	12	25	18	18	5.6	28
16	31	21	---	---	---	---	14	27	16	15	9.7	27
17	30	21	---	---	---	---	18	23	14	14	6.3	27
18	30	22	---	---	---	---	17	23	14	17	4.7	28
19	31	24	---	---	---	---	16	23	15	14	3.2	27
20	30	22	---	---	---	---	14	21	16	13	2.9	25
21	31	23	---	---	---	7.3	12	19	15	9.4	2.6	26
22	28	20	---	---	---	7.3	9.8	19	13	11	1.0	25
23	27	18	---	---	---	7.6	7.4	25	11	10	1.0	26
24	27	18	---	---	---	7.6	7.4	24	11	7.1	1.0	23
25	26	18	---	---	---	7.6	11	25	12	3.0	1.0	23
26	25	0.00	---	---	---	8.0	14	24	12	4.1	1.3	24
27	24	0.00	---	---	---	8.4	14	24	12	2.1	6.3	23
28	24	---	---	---	---	8.2	18	24	13	2.2	12	24
29	24	---	---	---	---	8.6	18	23	13	1.3	9.3	20
30	23	---	---	---	---	9.2	16	24	13	0.76	8.7	20
31	23	---	---	---	---	10	---	23	---	0.35	8.3	---
TOTAL	859	561	0	0	0	89.8	360.4	665	417	353.31	279.99	634.1
MEAN	27.7	20.8	---	---	---	8.2	12.0	21.5	13.9	11.6	9.0	21.1
MAX	32	26	---	---	---	10	18	27	21	22	27	30
MIN	23	0.00	---	---	---	7.3	7.4	14	0.00	0.35	0.86	9.2
AC-FT	1704	1113	0.00	0.00	0.00	178	715	1319	827	701	555	1258
CAL YEAR 2007	MAX	34.0	MIN	0.000	AC-FT	8377						
WTR YEAR 2008	MAX	32.0	MIN	0.000	AC-FT	8369						

## NORTH PLATTE RIVER BASIN

## ALLIANCE CANAL from Red Willow Creek, 00003000

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	17	9.0	---	---	---	---	---	14	14	27	31	31
2	17	10	---	---	---	---	---	16	0.00	29	32	34
3	17	9.8	---	---	---	---	---	15	12	32	33	36
4	17	8.3	---	---	---	---	---	15	18	33	31	28
5	16	8.5	---	---	---	---	---	13	19	25	35	31
6	17	8.5	---	---	---	---	---	11	17	30	34	32
7	15	8.9	---	---	---	---	---	11	29	24	32	28
8	16	8.6	---	---	---	---	---	12	27	33	31	31
9	16	9.4	---	---	---	---	---	12	13	26	29	28
10	15	7.5	---	---	---	---	---	16	9.9	21	26	23
11	16	5.7	---	---	---	---	---	16	7.1	23	0.00	24
12	17	6.1	---	---	---	---	---	16	6.7	21	2.6	22
13	17	7.0	---	---	---	---	5.2	18	7.7	24	14	20
14	19	6.7	---	---	---	---	8.2	21	9.8	40	21	12
15	19	5.9	---	---	---	---	11	24	13	44	27	5.4
16	22	6.0	---	---	---	---	13	45	14	42	21	6.0
17	21	4.4	---	---	---	---	13	43	10	45	14	11
18	12	4.2	---	---	---	---	13	43	3.2	48	15	12
19	15	4.0	---	---	---	---	12	39	4.9	49	22	11
20	1.1	4.0	---	---	---	---	14	36	17	50	24	10
21	1.6	---	---	---	---	---	15	34	18	50	26	10
22	5.5	---	---	---	---	---	17	31	13	48	27	8.1
23	6.5	---	---	---	---	---	16	37	13	12	25	5.1
24	8.3	---	---	---	---	---	11	29	15	21	24	0.62
25	10	---	---	---	---	---	11	12	9.4	33	27	0.74
26	11	---	---	---	---	---	11	21	5.9	32	28	5.6
27	10	---	---	---	---	---	13	32	11	31	29	9.5
28	9.7	---	---	---	---	---	14	37	18	27	28	10
29	7.3	---	---	---	---	---	14	36	23	31	29	11
30	7.9	---	---	---	---	---	14	34	17	30	28	9.6
31	8.3	---	---	---	---	---	---	24	---	32	28	---
TOTAL	408.2	142.5	0	0	0	0	225.4	763	395.6	1013	773.6	505.66
MEAN	13.1	7.1	---	---	---	---	12.5	24.6	13.1	32.7	25.0	16.8
MAX	22	10	---	---	---	---	17	45	29	50	35	36
MIN	1.1	4.0	---	---	---	---	5.2	11	0.00	12	0.00	0.62
AC-FT	810	283	0.00	0.00	0.00	0.00	447	1513	785	2009	1534	1003
CAL YEAR 2007	MAX	36.0	MIN	0.000	AC-FT	5955						
WTR YEAR 2008	MAX	50.0	MIN	0.000	AC-FT	8384						

**BAYARD CREEK near Bayard, 06683000**

LOCATION.--NW1/4SW1/4 Sec. 4-20-52 W., Morrill County, Lat. 41° 44' 10", Long. 103° 19' 53", on left bank 600 feet upstream from mouth and 1.2 mile south of Bayard. Reached by driving one mile south of railroad tracks at Bayard on Highway 26 to access right-of-way road where Alliance Canal crosses highway. Then west on right-of-way along canal access road to abandoned canal siphon. Gage on left bank of stream in center of concrete box flume.

DRAINAGE AREA.--No definite drainage area. Flows affected by ground water withdrawals and irrigation diversion return flows.

GAGE.--Continuous stage recorder. Gage datum is 3,746.28 feet above sea level.

PERIOD OF RECORD.--1931 - present

REMARKS.--Published by U.S. Geological Survey up to October 1, 1979 as Bayard Sugar Factory Drain near Bayard. Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 391 cubic feet per second 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.--Peak discharge 145 cubic feet per second June 1, gage height 2.74 feet; maximum stage 2.88 feet August 11 due to higher backwater; minimum daily discharge 0.33 feet May 31.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.7	4.5	22	15	12e	9.8	2.7	5.5	40	20	27	40
2	9.9	4.2	24	22	13e	9.3	2.0	7.3	48	16	32	43
3	9.2	5.0	29	15	13e	10	3.7	9.9	7.6	19	29	41
4	7.5	4.5	28	21	13e	12	2.7	7.4	4.3	19	21	46
5	7.2	6.0	23	15	13e	12	4.0	3.9	9.0	20	26	54
6	7.7	7.2	21	14	14e	12	9.4	1.4	17	18	15	61
7	7.9	8.6	17	15	14e	12	9.3	0.82	5.4	24	13	49
8	8.8	9.4	15	15e	14e	12	7.9	1.3	6.4	34	8.6	50
9	10	6.1	14	14	14e	12	7.1	2.5	9.6	28	4.9	41
10	11	6.2	13	14	15e	12	6.8	6.4	9.7	21	23	29
11	10	7.9	14	14	15e	12	6.4	6.4	8.7	8.7	83	36
12	7.9	7.2	13	13	15e	12	5.7	6.0	6.7	4.6	57	35
13	11	8.8	13	13	16e	12	3.8	7.4	10	3.6	51	43
14	21	13	15	12	16e	13	3.5	7.3	16	1.8	49	35
15	20	11	15e	13	16e	13	3.3	9.1	24	5.0	73	32
16	15	6.9	17e	14	15e	13	3.7	6.5	20	6.3	95	31
17	15	5.5	18e	13e	15e	13	4.0	1.4	16	4.0	76	32
18	15	6.2	18	13e	14e	13	3.3	1.3	17	3.8	66	33
19	18	6.5	19	13e	14e	13	2.4	1.5	21	2.0	59	31
20	16	7.0e	16	14e	12e	13	2.0	0.47	26	2.0	60	28
21	19	7.0e	16	14e	12e	6.0	1.8	0.34	23	7.4	60	30
22	9.0	7.0e	14e	15e	11e	2.1	1.3	0.38	19	19	50	30
23	9.0	9.0e	14e	15e	9.7	2.1	1.1	2.0	15	83	50	31
24	8.0	10e	14e	15e	9.9	2.1	1.4	1.2	16	62	39	27
25	8.0	11	14e	16e	9.4	2.0	2.1	1.1	19	41	39	27
26	6.3	23	14e	16e	8.4	2.2	1.8	0.79	18	55	29	27
27	4.6	23	13e	18	8.5	2.2	2.3	0.89	17	46	25	27
28	6.3	30	13e	18	9.2	2.1	3.6	1.0	21	47	39	27
29	6.2	24	13e	16	9.7	2.3	4.1	0.38	22	46	31	24
30	4.3	20	13e	15	---	3.6	2.9	0.59	20	48	32	24
31	3.8	---	15	14	---	3.5	---	0.33	---	35	33	---
TOTAL	322.3	305.7	517	464	370.8	270.3	116.1	102.79	512.4	750.2	1295.5	1064
MEAN	10.3	10.2	16.7	15.0	12.8	8.7	3.9	3.3	17.1	24.2	41.8	35.5
MAX	21	30	29	22	16	13	9.4	9.9	48	83	95	61
MIN	3.8	4.2	13	12	8.4	2.0	1.1	0.33	4.3	1.8	4.9	24
AC-FT	639	606	1025	920	735	536	230	204	1016	1488	2570	2110

CAL YEAR 2007 TOTAL 2920 MEAN 8.0 MAX 30.0 MIN 0.17 AC-FT 5791  
 WTR YEAR 2008 TOTAL 6091 MEAN 16.6 MAX 95.0 MIN 0.33 AC-FT 12080

e indicates estimated discharge.

## NORTH PLATTE RIVER BASIN

## RED WILLOW CREEK near Bayard, 06684000

LOCATION.--NE1/4NE1/4 SEC. 13-20-52 W., Morrill County, Lat. 41° 42' 51", Long. 103° 15' 10", on left bank 30 feet upstream from timber bridge, 0.2 mile downstream from Wild Horse Creek, 0.8 mile upstream from mouth, and 4.5 miles southeast of Bayard.

GAGE.--Continuous stage recorder. Gage datum is 3,717.29 feet above sea level.

PERIOD OF RECORD.--1931 - present

REMARKS.--Published by U.S. Geological Survey up to October 1, 1979. Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 2,320 cubic feet per second July 3, 1956, gage height 8.33 feet, present datum; maximum gage height 8.8 feet May 10, 1942, from flood mark, present datum; minimum daily discharge 15 cubic feet per second April 23, 1935, April 26, 1962.

EXTREMES FOR CURRENT YEAR.--Peak discharge 529 cubic feet per second July 22, gage height 5.67 feet; minimum daily discharge 16 cubic feet per second April 28 & 29.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	46	68	52	54	47	48	42	20	78	54	34	77
2	53	69	50	54	46	46	41	37	202	60	34	134
3	47	68	51	54	47	44	40	39	59	63	34	177
4	50	65	53	55	47	42	45	44	32	65	32	172
5	58	64	53	54	46	41	46	36	40	53	41	155
6	61	63	53	53	43	41	41	34	41	58	41	197
7	54	65	53	53	45	42	43	24	61	53	44	224
8	39	64	53	51	45	40	47	22	76	72	48	245
9	65e	63	52	53	43	38	47	25	58	67	47	227
10	65e	59	52	52	43	37	51	29	57	53	123	210
11	65e	56	54	52	46	38	46	29	53	41	211	244
12	65e	56	54	52	45	37	51	31	40	40	187	263
13	75e	58	54	51	46	37	52	28	36	43	174	258
14	75e	64	55	51	47	38	43	23	35	57	149	210
15	75e	74	55	52	45	38	32	32	47	94	204	143
16	80e	78	55	49	46	40	28	96	58	82	266	128
17	100e	72	56	41	46	40	27	110	54	65	227	142
18	140e	65	55	50	45	38	27	102	40	67	217	158
19	140e	57	57	45	46	37	25	81	40	69	216	154
20	140e	55	58	50	47	36	25	72	75	66	207	155
21	120e	55	57	46	45	36	24	69	103	64	203	150
22	70e	54	56	46e	46	38	24	119	96	113	176	138
23	70e	55	56	46e	48	37	26	130	94	255	137	129
24	70e	55	56	47e	48	39	40	119	103	179	105	116
25	70e	57	57	48	48	41	38	46	71	171	90	110
26	73	56	56	47	46	42	37	41	53	110	76	101
27	75	55	57e	48	46	41	26	64	54	112	63	99
28	71	53	57e	49	47	38	16	84	67	73	65	98
29	66	53	56e	48	47	39	16	117	72	55	64	97
30	67	51	55e	47	---	39	17	97	49	53	60	88
31	67	---	54e	46	---	42	---	65	---	40	59	---
TOTAL	2312	1827	1692	1544	1332	1230	1063	1865	1944	2447	3634	4799
MEAN	74.6	60.9	54.6	49.9	45.9	39.7	35.4	60.1	64.8	78.9	117.2	160.0
MAX	140	78	58	55	48	48	52	130	202	255	266	263
MIN	39	51	50	41	43	36	16	20	32	40	32	77
AC-FT	4586	3624	3356	3062	2642	2440	2108	3699	3856	4854	7208	9519
CAL YEAR 2007	TOTAL		18869	MEAN	51.7	MAX	146.0	MIN	17.0	AC-FT	37430	
WTR YEAR 2008	TOTAL		25689	MEAN	70.2	MAX	266.0	MIN	16.0	AC-FT	50950	

e indicates estimated discharge.

NORTH PLATTE RIVER BASIN

BELMONT CANAL from North Platte River, 00009000

LOCATION.--NWL/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 from 1951 - 1961

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	52	---	---	---	---	---	0.00	35	53	73	86	87
2	55	---	---	---	---	---	0.00	41	51	84	94	106
3	57	---	---	---	---	---	0.00	47	41	86	90	99
4	59	---	---	---	---	---	0.00	45	50	93	90	92
5	57	---	---	---	---	---	0.00	39	57	92	95	86
6	52	---	---	---	---	---	0.00	37	55	89	94	95
7	50	---	---	---	---	---	0.00	54	42	87	82	88
8	48	---	---	---	---	---	0.00	68	44	88	83	89
9	43	---	---	---	---	---	0.00	61	43	89	92	95
10	41	---	---	---	---	---	0.00	57	48	96	98	82
11	41	---	---	---	---	---	0.00	60	45	90	108	83
12	45	---	---	---	---	---	0.00	58	47	93	87	75
13	49	---	---	---	---	---	0.00	59	53	88	87	80
14	63	---	---	---	---	---	0.00	49	50	96	91	65
15	25	---	---	---	---	---	7.5	40	57	91	105	90
16	0.00	---	---	---	---	---	23	44	42	95	104	91
17	---	---	---	---	---	---	20	38	44	102	87	74
18	---	---	---	---	---	---	20	50	47	101	84	74
19	---	---	---	---	---	---	74	58	58	91	80	80
20	---	---	---	---	---	---	56	57	63	96	89	74
21	---	---	---	---	---	---	52	52	67	95	99	91
22	---	---	---	---	---	---	49	49	69	94	86	83
23	---	---	---	---	---	---	49	63	68	118	89	74
24	---	---	---	---	---	---	45	57	67	93	89	75
25	---	---	---	---	---	0.00	64	43	66	101	81	77
26	---	---	---	---	---	0.00	79	52	71	92	83	77
27	---	---	---	---	---	0.00	54	58	72	81	86	73
28	---	---	---	---	---	0.00	42	54	71	88	84	76
29	---	---	---	---	---	0.00	37	49	71	85	95	75
30	---	---	---	---	---	0.00	37	53	68	90	92	69
31	---	---	---	---	---	0.00	---	54	---	92	98	---
TOTAL	737	0	0	0	0	0	708.5	1581	1680	2849	2808	2475
MEAN	46.1	---	---	---	---	0.000	23.6	51.0	55.9	91.8	90.5	82.5
MAX	63	---	---	---	---	0.00	79	68	72	118	108	106
MIN	0.00	---	---	---	---	0.00	0.00	35	41	73	80	65
AC-FT	1462	0.00	0.00	0.00	0.00	0.00	1405	3136	3332	5651	5570	4909
CAL YEAR 2007	MAX	122.0	MIN	0.000	AC-FT	24720						
WTR YEAR 2008	MAX	118.0	MIN	0.000	AC-FT	25460						

## NORTH PLATTE RIVER BASIN

## BELMONT CANAL from Cedar Creek, 00010000

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 - 1964, 1966 - present

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.3	2.6	---	---	---	---	---	1.4	2.9	2.9	2.4	1.7
2	1.3	2.6	---	---	---	---	---	3.3	3.9	3.2	1.7	1.6
3	1.4	2.5	---	---	---	---	0.00	3.3	1.9	3.5	0.95	2.4
4	1.5	2.5	---	---	---	---	0.00	1.8	1.6	2.5	1.2	2.3
5	1.4	2.5	---	---	---	---	0.00	1.9	1.3	2.5	2.0	2.6
6	0.95	2.5	---	---	---	---	0.00	2.2	1.0	3.2	1.0	2.5
7	0.83	2.4	---	---	---	---	0.00	1.6	1.1	2.8	1.4	2.5
8	0.79	2.3	---	---	---	---	0.00	1.7	1.3	2.8	1.4	2.0
9	0.91	2.3	---	---	---	---	0.00	2.7	1.1	1.9	1.8	1.4
10	1.4	2.2	---	---	---	---	0.00	2.5	1.4	1.9	2.0	1.5
11	1.1	2.3	---	---	---	---	0.00	2.5	1.8	1.8	1.5	1.6
12	0.94	2.3	---	---	---	---	0.00	1.9	1.9	1.8	1.3	1.6
13	1.1	2.2	---	---	---	---	0.00	1.7	1.9	0.25	2.5	1.6
14	1.4	2.2	---	---	---	---	0.00	1.7	2.0	0.10	2.0	1.6
15	2.0	2.7	---	---	---	---	0.00	1.9	1.5	0.22	1.4	1.6
16	2.6	2.6	---	---	---	---	0.00	2.1	1.1	0.35	1.4	1.5
17	2.6	2.6	---	---	---	---	0.00	2.1	1.0	0.59	1.1	1.6
18	2.4	2.5	---	---	---	---	0.00	2.2	1.1	0.16	0.00	1.6
19	2.4	2.4	---	---	---	---	0.00	2.2	1.3	1.2	0.00	1.5
20	2.6	2.4	---	---	---	---	0.00	3.1	2.0	2.0	0.00	1.2
21	2.6	2.5	---	---	---	---	0.00	5.4	1.8	2.7	0.00	1.2
22	2.7	2.8	---	---	---	---	0.00	7.2	1.5	3.5	0.00	1.3
23	2.8	3.2	---	---	---	---	0.00	4.3	1.5	2.5	0.00	1.3
24	2.8	3.6	---	---	---	---	12	4.4	1.5	2.3	1.7	1.3
25	2.7	4.1	---	---	---	---	13	2.0	1.6	2.2	1.2	1.3
26	2.6	4.7	---	---	---	---	13	2.0	1.5	2.9	0.52	1.2
27	2.6	5.5	---	---	---	---	13	1.9	2.2	3.5	0.95	1.1
28	2.6	---	---	---	---	---	11	1.8	2.6	2.8	1.1	1.2
29	2.7	---	---	---	---	---	3.6	2.2	3.0	2.3	0.76	1.3
30	2.6	---	---	---	---	---	1.2	2.1	2.0	2.4	1.5	1.3
31	2.6	---	---	---	---	---	---	2.0	---	2.0	2.6	---
TOTAL	60.22	75	0	0	0	0	66.8	79.1	52.3	64.77	37.38	48.4
MEAN	1.9	2.8	---	---	---	---	2.3	2.5	1.7	2.1	1.2	1.6
MAX	2.8	5.5	---	---	---	---	13	7.2	3.9	3.5	2.6	2.6
MIN	0.79	2.2	---	---	---	---	0.00	1.4	1.0	0.10	0.00	1.1
AC-FT	119	149	0.00	0.00	0.00	0.00	132	157	104	128	74	96
CAL YEAR 2007	MAX	5.5	MIN	0.000	AC-FT	1012						
WTR YEAR 2008	MAX	13.0	MIN	0.000	AC-FT	960						

# NORTH PLATTE RIVER BASIN

**EMPIRE CANAL from North Platte River, 00039000**

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	21	---	---	---	---	---	0.00	0.00	24	25	7.0	5.1
2	23	---	---	---	---	---	0.00	0.00	19	27	6.6	5.3
3	18	---	---	---	---	---	0.00	0.00	29	14	6.2	13
4	13	---	---	---	---	---	0.00	0.00	30	7.9	22	15
5	12	---	---	---	---	---	0.00	0.00	31	7.9	29	14
6	10	---	---	---	---	---	0.00	0.00	30	7.2	29	15
7	9.9	---	---	---	---	---	0.00	0.00	28	7.1	28	14
8	15	---	---	---	---	---	0.00	0.00	28	6.7	28	19
9	21	---	---	---	---	---	0.00	0.00	29	6.7	29	27
10	20	---	---	---	---	---	0.00	0.00	27	7.0	29	26
11	20	---	---	---	---	---	0.00	0.00	24	6.9	29	26
12	20	---	---	---	---	---	0.00	0.00	24	21	28	2.7
13	21	---	---	---	---	---	0.00	0.00	26	27	28	0.00
14	22	---	---	---	---	---	0.00	0.00	24	27	29	0.00
15	10	---	---	---	---	---	0.00	0.00	15	27	30	1.6
16	0.00	---	---	---	---	---	0.00	0.00	12	27	30	4.0
17	---	---	---	---	---	---	0.00	0.00	16	27	28	3.7
18	---	---	---	---	---	---	0.00	0.00	27	27	28	3.7
19	---	---	---	---	---	---	0.00	14	30	27	26	3.8
20	---	---	---	---	---	---	0.00	24	33	27	13	3.7
21	---	---	---	---	---	---	0.00	23	31	28	6.7	3.8
22	---	---	---	---	---	---	0.00	19	29	32	6.4	3.7
23	---	---	---	---	---	---	0.00	19	29	35	6.1	19
24	---	---	---	---	---	---	0.00	17	29	33	6.1	29
25	---	---	---	---	---	0.00	0.00	18	29	34	5.9	34
26	---	---	---	---	---	0.00	0.00	20	29	33	5.6	37
27	---	---	---	---	---	0.00	0.00	25	26	32	5.4	36
28	---	---	---	---	---	0.00	0.00	37	24	19	5.4	37
29	---	---	---	---	---	0.00	0.00	36	25	6.9	5.4	37
30	---	---	---	---	---	0.00	0.00	35	25	7.0	5.4	36
31	---	---	---	---	---	0.00	---	35	---	7.2	5.5	---
TOTAL	255.9	0	0	0	0	0	0	322	782	627.5	546.7	475.1
MEAN	16.1	---	---	---	---	0.000	0.000	10.4	26.0	20.2	17.7	15.9
MAX	23	---	---	---	---	0.00	0.00	37	33	35	30	37
MIN	0.00	---	---	---	---	0.00	0.00	0.00	12	6.7	5.4	0.00
AC-FT	508	0.00	0.00	0.00	0.00	0.00	0.00	639	1551	1245	1084	942
CAL YEAR 2007	MAX	52.0	MIN	0.000	AC-FT	4971						
WTR YEAR 2008	MAX	37.0	MIN	0.000	AC-FT	5969						



## NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER at Bridgeport, 06684500

LOCATION.--Main channel gage: NW1/4NW1/4 Sec. 28-20-50 W., Morrill County, Lat. 41° 40' 54", Long. 103° 05' 52", on left bank 0.3 miles upstream from bridge on U.S. Highway 26, 0.8 miles north of Bridgeport.  
Browns Creek channel gage: NW1/4NW1/4 Sec. 28-20-50 W., Morrill County, Lat. 41° 40' 55", Long. 103° 05' 53", on right bank 0.2 miles upstream from culvert on U.S. Highway 26, 0.8 miles north of Bridgeport.

DRAINAGE AREA.--25,300 square miles, of which approximately 23,300 square miles contributes directly to surface runoff.

GAGE.--Main channel: Continuous stage recorder. Datum is 3,656.14 feet National Geodetic Vertical Datum of 1929. Browns Creek channel: Continuous stage recorder. Datum is 3,662.51 feet National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--June 1896 - Oct. 1900, May 1902 - Nov. 1906, June to Aug. 1915, May 1916 - present. Published as "near Camp Clark" 1896 - 1900, (some years did not have winter record and some years only had a monthly record).

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 24,900 cubic feet per second June 26, 1899, gage height 5.39 feet at site and datum then in use, from graph based on gage readings; minimum daily discharge 55 cubic feet per second May 28, 1934, August 15, 1940, but may have been less for periods of no record for Browns Creek channel.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,530 cubic feet per second August 17, combined flow for both channels; minimum daily discharge 221 cubic feet per second July 14, combined flow for both channels.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	564	774	697	604	639	643	564	334	825	475	503	634
2	565	769	690	648	645	646	559	364	938	387	485	755
3	556	763	708	625	632	631	577	384	720	370	492	945
4	548	741	759	664	640	628	583	380	628	456	465	1080
5	557	711	779	632	647	608	565	364	699	463	449	1060
6	569	679	775	653	670	592	598	339	782	401	456	1120
7	556	711	782	633	691	557	632	310	734	435	471	1180
8	527	732	776	647	711	528	635	376	641	433	459	1190
9	528	731	724	656	694	537	653	523	625	358	464	1250
10	515	734	668	687	679	559	689	493	653	301	494	1220
11	521	733	676	717	683	569	663	465	610	246	822	1210
12	551	722	645	734	661	582	651	463	543	223	779	1170
13	582	730	660	733	649	584	645	490	512	225	683	1170
14	638	733	683	727	675	615	621	491	488	221	632	1100
15	723	719	697	704	699	609	567	453	513	252	744	1000
16	825	773	734	694	705	583	509	598	546	269	1320	1070
17	831	758	735	633	722	552	500	646	470	268	1490	1030
18	817	721	749	694	685	537	492	539	358	295	1460	945
19	902	731	747	687	643	551	454	421	323	320	1370	849
20	974	744	748	679e	655	556	426	369	269	320	1320	782
21	955	761	737	671e	650	537	398	322	323	317	1210	764
22	908	729	671	670e	643	534	392	333	315	321	1030	782
23	889	703	637	661e	630	563	395	396	460	664	888	763
24	879	692	614	655e	619	542	394	608	645	968	808	717
25	869	692	647	646e	596	537	379	749	559	994	752	685
26	862	703	598	650e	574	568	351	936	544	949	687	632
27	858	712	598	678e	573	616	392	1390	545	891	632	604
28	846	710	642	689e	619	634	395	1290	551	789	583	577
29	841	701	620	707e	635	643	382	1250	540	697	558	548
30	835	697	652	712	---	620	347	1120	534	654	541	535
31	820	---	613	662	---	618	---	923	---	561	542	---
TOTAL	22411	21809	21461	20852	18964	18079	15408	18119	16893	14523	23589	27367
MEAN	722.8	727.0	692.3	672.6	653.9	583.2	513.6	584.5	563.0	468.5	760.9	912.6
MAX	974	774	782	734	722	646	689	1390	938	994	1490	1250
MIN	515	679	598	604	573	528	347	310	269	221	449	535
AC-FT	44450	43260	42570	41360	37610	35860	30560	35940	33510	28810	46790	54280
CAL YEAR 2007	TOTAL		186235	MEAN	510.2	MAX	974.0	MIN	73.0	AC-FT	369400	
WTR YEAR 2008	TOTAL		239475	MEAN	654.3	MAX	1490	MIN	221.0	AC-FT	475000	

e indicates estimated discharge

NORTH PLATTE RIVER BASIN

BROWNS CREEK CANAL from North Platte River, 00019000

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

GAGE.--Continuous stage recorder and 8 ft. Parshall flume with modified rating

PERIOD OF RECORD.--1916 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	37	---	---	---	---	---	0.00	0.00	26	85	89	76
2	37	---	---	---	---	---	0.00	0.00	16	85	92	78
3	35	---	---	---	---	---	0.00	0.00	22	88	92	76
4	33	---	---	---	---	---	0.00	0.00	23	88	91	79
5	32	---	---	---	---	---	0.00	0.00	22	90	88	80
6	34	---	---	---	---	---	0.00	0.33	22	94	79	74
7	25	---	---	---	---	---	0.00	0.98	21	90	78	60
8	0.83	---	---	---	---	---	0.00	7.6	20	89	76	44
9	0.00	---	---	---	---	---	0.00	11	24	90	74	37
10	0.00	---	---	---	---	---	0.00	8.5	28	90	75	32
11	0.00	---	---	---	---	---	0.00	6.8	26	91	68	35
12	0.00	---	---	---	---	---	0.00	6.9	25	91	76	29
13	0.00	---	---	---	---	---	0.00	12	27	90	85	29
14	0.00	---	---	---	---	---	0.00	28	28	89	84	28
15	0.00	---	---	---	---	---	0.00	36	31	91	66	27
16	0.00	---	---	---	---	---	0.00	45	31	88	54	27
17	0.00	---	---	---	---	---	0.00	48	27	81	46	27
18	---	---	---	---	---	---	0.00	51	29	75	45	26
19	---	---	---	---	---	---	0.00	56	31	74	42	31
20	---	---	---	---	---	---	0.00	57	32	77	46	33
21	---	---	---	---	---	---	0.00	54	27	82	53	32
22	---	---	---	---	---	---	0.00	28	24	79	12	31
23	---	---	---	---	---	---	0.00	28	26	82	12	30
24	---	---	---	---	---	---	0.00	27	28	80	12	32
25	---	---	---	---	---	---	0.00	28	32	79	84	34
26	---	---	---	---	---	---	0.00	31	40	80	82	31
27	---	---	---	---	---	---	0.00	32	55	80	78	29
28	---	---	---	---	---	---	0.00	27	65	81	72	30
29	---	---	---	---	---	---	0.00	26	73	84	68	34
30	---	---	---	---	---	---	0.00	26	78	85	70	38
31	---	---	---	---	---	0.00	---	28	---	86	71	---
TOTAL	233.83	0	0	0	0	0	0	710.11	959	2634	2060	1249
MEAN	13.8	---	---	---	---	0.000	0.000	22.9	32.0	85.0	66.4	41.7
MAX	37	---	---	---	---	0.00	0.00	57	78	94	92	80
MIN	0.00	---	---	---	---	0.00	0.00	0.00	16	74	12	26
AC-FT	464	0.00	0.00	0.00	0.00	0.00	0.00	1408	1902	5224	4086	2477
CAL YEAR 2007	MAX	87.0	MIN	0.000	AC-FT	17560						
WTR YEAR 2008	MAX	94.0	MIN	0.000	AC-FT	15560						

## NORTH PLATTE RIVER BASIN

## COURTHOUSE ROCK CANAL from Pumpkin Creek, 00030000

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

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
2	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
3	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
4	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
5	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
6	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.40
16	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.60
17	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.37
18	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.25
19	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.26
20	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.34
21	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.29
22	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.37
23	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.55
24	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.39
25	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.45
26	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.54
27	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.69
28	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.76
29	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.84
30	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.92
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	8.02
MEAN	0.000	---	---	---	---	---	0.000	0.000	0.000	0.000	0.000	0.27
MAX	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.92
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16
CAL YEAR 2007	MAX	3.0	MIN	0.000	AC-FT	125						
WTR YEAR 2008	MAX	0.92	MIN	0.000	AC-FT	16						

NORTH PLATTE RIVER BASIN

LAST CHANCE CANAL from Pumpkin Creek, 00080000

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

GAGE.--Continuous stage recorder

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	1.2	0.00	0.00	0.00
2	---	---	---	---	---	---	---	0.00	1.2	0.00	0.00	0.00
3	---	---	---	---	---	---	---	0.00	1.1	0.00	0.00	0.00
4	---	---	---	---	---	---	---	0.00	1.1	0.00	0.00	0.00
5	---	---	---	---	---	---	---	0.00	1.2	0.00	0.00	0.00
6	---	---	---	---	---	---	---	0.00	1.1	0.00	0.00	0.00
7	---	---	---	---	---	---	0.00	0.00	1.2	0.00	0.00	0.00
8	---	---	---	---	---	---	0.00	0.00	1.2	0.00	0.00	0.00
9	---	---	---	---	---	---	0.00	0.00	1.2	0.00	0.00	0.00
10	---	---	---	---	---	---	0.00	0.00	1.3	0.00	0.00	0.00
11	---	---	---	---	---	---	0.00	0.00	1.2	0.00	0.00	0.00
12	---	---	---	---	---	---	0.00	0.00	1.2	0.00	0.00	0.00
13	---	---	---	---	---	---	0.00	0.00	1.2	0.00	0.00	0.00
14	---	---	---	---	---	---	0.00	0.00	0.99	0.00	0.00	0.00
15	---	---	---	---	---	---	0.00	0.00	0.40	0.00	0.00	0.00
16	---	---	---	---	---	---	0.00	0.00	0.46	0.00	0.00	0.00
17	---	---	---	---	---	---	0.00	0.00	0.78	0.00	0.00	0.00
18	---	---	---	---	---	---	0.00	0.00	1.1	0.00	0.00	0.00
19	---	---	---	---	---	---	0.00	0.00	1.1	0.00	0.00	0.00
20	---	---	---	---	---	---	0.00	0.00	1.1	0.00	0.00	0.00
21	---	---	---	---	---	---	0.00	0.19	1.1	0.00	0.00	0.00
22	---	---	---	---	---	---	0.00	1.00	1.1	0.00	0.00	0.00
23	---	---	---	---	---	---	0.00	1.1	1.1	0.00	0.00	0.00
24	---	---	---	---	---	---	0.00	1.1	1.1	0.00	0.00	0.00
25	---	---	---	---	---	---	0.00	0.86	1.1	0.00	0.00	0.00
26	---	---	---	---	---	---	0.00	1.0	1.1	0.00	0.00	0.00
27	---	---	---	---	---	---	0.00	1.1	0.41	0.00	0.00	0.00
28	---	---	---	---	---	---	0.00	1.2	0.00	0.00	0.00	0.00
29	---	---	---	---	---	---	0.00	1.2	0.00	0.00	0.00	0.00
30	---	---	---	---	---	---	0.00	1.2	0.00	0.00	0.00	0.00
31	---	---	---	---	---	---	---	1.2	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	0	11.15	28.34	0	0	0
MEAN	---	---	---	---	---	---	0.000	0.36	0.94	0.000	0.000	0.000
MAX	---	---	---	---	---	---	0.00	1.2	1.3	0.00	0.00	0.00
MIN	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22	56	0.00	0.00	0.00
CAL YEAR 2007	MAX	0.000	MIN	0.000	AC-FT	0.00						
WTR YEAR 2008	MAX	1.3	MIN	0.000	AC-FT	78						

## NORTH PLATTE RIVER BASIN

## TRINNIER CANAL from Greenwood Creek, 00144200

LOCATION.--SE1/4NE1/4 Sec. 28-18-50 W. near Bridgeport

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

PERIOD OF RECORD.--1998 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.8	3.0	---	---	---	---	---	0.00	0.00	2.9	2.6	3.8
2	2.9	3.0	---	---	---	---	---	0.00	0.00	2.7	2.6	4.1
3	2.9	2.9	---	---	---	---	---	0.00	0.00	2.8	2.7	3.9
4	2.9	2.9	---	---	---	---	0.00	0.00	0.00	2.7	2.6	3.6
5	2.9	2.8	---	---	---	---	0.00	0.00	0.00	2.7	2.9	3.7
6	2.9	2.9	---	---	---	---	0.00	0.00	0.00	2.7	2.8	4.7
7	2.9	2.9	---	---	---	---	0.00	0.00	0.00	2.7	2.9	5.5
8	3.0	2.9	---	---	---	---	0.00	0.00	0.00	2.8	2.9	5.6
9	3.0	2.9	---	---	---	---	0.00	0.00	0.00	2.8	2.9	5.6
10	3.0	3.1	---	---	---	---	0.00	0.00	0.00	2.8	2.8	5.6
11	3.0	3.1	---	---	---	---	0.00	0.00	0.00	2.7	2.9	5.6
12	2.9	3.1	---	---	---	---	0.00	0.00	0.00	2.7	2.7	5.7
13	3.0	3.1	---	---	---	---	0.00	0.00	0.00	2.7	2.6	5.5
14	2.9	3.1	---	---	---	---	0.00	0.00	0.00	2.6	2.8	5.5
15	2.9	3.2	---	---	---	---	0.00	0.00	0.00	2.5	3.1	5.5
16	2.8	3.2	---	---	---	---	0.00	0.00	0.00	2.3	3.2	5.2
17	2.8	3.2	---	---	---	---	0.00	0.00	0.00	2.7	3.5	5.2
18	2.7	3.1	---	---	---	---	0.00	0.00	0.00	2.7	1.3	5.2
19	2.6	3.1	---	---	---	---	0.00	0.00	0.00	2.7	0.00	5.2
20	2.9	1.2	---	---	---	---	0.00	0.00	0.00	2.8	0.00	5.2
21	2.9	0.00	---	---	---	---	0.00	0.00	4.0	2.7	0.00	5.2
22	3.0	0.00	---	---	---	---	0.00	0.00	4.0	2.7	1.5	5.2
23	2.9	0.00	---	---	---	---	0.00	0.00	3.8	2.8	4.1	5.3
24	2.9	0.00	---	---	---	---	0.00	0.00	3.6	2.7	3.8	5.3
25	2.9	0.00	---	---	---	---	0.00	0.00	3.4	3.0	3.8	5.3
26	3.0	0.00	---	---	---	---	0.00	0.00	3.3	3.0	3.7	5.2
27	2.9	0.00	---	---	---	---	0.00	0.00	3.2	2.9	3.9	5.2
28	2.9	0.00	---	---	---	---	0.00	0.00	2.8	2.8	3.8	5.2
29	3.0	---	---	---	---	---	0.00	0.00	2.0	2.9	3.8	5.3
30	3.0	---	---	---	---	---	0.00	0.00	2.6	2.7	3.7	5.3
31	2.9	---	---	---	---	---	---	0.00	---	2.5	3.8	---
TOTAL	90	58.7	0	0	0	0	0	0	32.7	84.7	85.7	152.4
MEAN	2.9	2.1	---	---	---	---	0.000	0.000	1.1	2.7	2.8	5.1
MAX	3.0	3.2	---	---	---	---	0.00	0.00	4.0	3.0	4.1	5.7
MIN	2.6	0.00	---	---	---	---	0.00	0.00	0.00	2.3	0.00	3.6
AC-FT	179	116	0.00	0.00	0.00	0.00	0.00	0.00	65	168	170	302
CAL YEAR 2007	MAX	3.6	MIN	0.000	AC-FT	1011						
WTR YEAR 2008	MAX	5.7	MIN	0.000	AC-FT	1000						

NORTH PLATTE RIVER BASIN

NELSON CANAL from Greenwood Creek, 00105500

LOCATION.--SE1/4SE1/4 Sec. 33-18-50 W. near Bridgeport

GAGE.--Continuous stage recorder and 4 ft. Cipolletti weir

PERIOD OF RECORD.--1998 - present

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	0.00	3.1	2.5	4.7
2	---	---	---	---	---	---	---	0.00	0.00	2.9	2.4	4.2
3	---	---	---	---	---	---	---	0.00	0.00	2.9	2.4	3.9
4	---	---	---	---	---	---	0.00	0.00	0.00	2.9	2.4	4.0
5	---	---	---	---	---	---	0.00	0.00	0.00	3.0	2.4	4.3
6	---	---	---	---	---	---	0.00	0.00	0.00	3.0	2.4	2.0
7	---	---	---	---	---	---	0.00	0.00	0.00	3.0	2.3	0.00
8	---	---	---	---	---	---	0.00	0.00	0.00	3.0	2.3	0.00
9	---	---	---	---	---	---	0.00	0.00	0.00	3.2	2.6	0.00
10	---	---	---	---	---	---	0.00	0.00	0.00	3.2	2.4	0.00
11	---	---	---	---	---	---	0.00	0.00	0.00	3.0	2.3	0.00
12	---	---	---	---	---	---	0.00	0.00	0.00	3.0	2.1	0.00
13	---	---	---	---	---	---	0.00	0.00	0.00	3.0	2.2	0.00
14	---	---	---	---	---	---	0.00	0.00	0.00	3.1	1.9	0.00
15	---	---	---	---	---	---	0.00	0.00	0.00	3.2	2.6	0.00
16	---	---	---	---	---	---	0.00	0.00	0.00	3.4	1.4	0.00
17	---	---	---	---	---	---	0.00	0.00	0.00	3.3	0.00	0.00
18	---	---	---	---	---	---	0.00	0.00	0.00	3.5	0.00	0.00
19	---	---	---	---	---	---	0.00	0.00	0.00	3.7	0.00	0.00
20	---	---	---	---	---	---	0.00	0.00	0.00	3.8	0.00	0.00
21	---	---	---	---	---	---	0.00	0.00	0.00	3.8	0.00	0.00
22	---	---	---	---	---	---	0.00	0.00	0.00	4.1	0.00	0.00
23	---	---	---	---	---	---	0.00	0.00	0.00	4.4	3.1	0.00
24	---	---	---	---	---	---	0.00	0.00	0.00	4.3	4.8	0.00
25	---	---	---	---	---	---	0.00	0.00	0.00	3.3	4.9	0.00
26	---	---	---	---	---	---	0.00	0.00	0.00	2.6	4.8	0.00
27	---	---	---	---	---	---	0.00	0.00	0.00	2.6	4.5	0.00
28	---	---	---	---	---	---	0.00	0.00	1.2	2.5	4.3	0.00
29	---	---	---	---	---	---	0.00	0.00	3.1	2.5	4.4	0.00
30	---	---	---	---	---	---	0.00	0.00	3.1	2.4	4.6	0.00
31	---	---	---	---	---	---	---	0.00	---	2.4	4.7	---
TOTAL	0	0	0	0	0	0	0	0	7.4	98.1	76.7	23.1
MEAN	---	---	---	---	---	---	0.000	0.000	0.25	3.2	2.5	0.77
MAX	---	---	---	---	---	---	0.00	0.00	3.1	4.4	4.9	4.7
MIN	---	---	---	---	---	---	0.00	0.00	0.00	2.4	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15	195	152	46
CAL YEAR 2007	MAX	31.0	MIN	0.000	AC-FT	1216						
WTR YEAR 2008	MAX	4.9	MIN	0.000	AC-FT	407						

## NORTH PLATTE RIVER BASIN

## MEREDITH-AMMER CANAL from Pumpkin Creek, 00088000

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

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
2	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
3	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
4	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
5	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
6	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
7	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
8	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
11	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
13	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
14	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
15	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
19	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
23	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
24	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
25	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
26	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
27	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
28	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
29	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
30	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	---	---	---	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000
MAX	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
MIN	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAL YEAR 2007	TOTAL		0	MEAN	0.000	MAX	0.000	MIN	0.000	AC-FT		0.00
WTR YEAR 2008	TOTAL		0	MEAN	0.000	MAX	0.000	MIN	0.000	AC-FT		0.00

**PUMPKIN CREEK near Bridgeport, 06685000**

LOCATION.--SE1/4SW1/4 Sec. 12-19-50 W., Morrill County, Lat. 41° 37' 38", Long. 103° 02' 10", on right bank 250 feet downstream from bridge on U.S. Highway 385 and State Highway 92, 0.5 mile upstream from mouth, and 4 miles southeast of Bridgeport.

DRAINAGE AREA.--Approximately 1,020 square miles.

GAGE.--Continuous stage recorder. Gage datum is 3,635.99 feet above sea level.

PERIOD OF RECORD.--Feb. 1931 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 7,880 cubic feet per second June 9, 1965, gage height 9.98 feet, present datum; no flow many years since 1975.

EXTREMES FOR CURRENT YEAR.--Peak discharge 50 cubic feet per second April 26, gage height 2.96 feet; no flow many days during the year.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.09	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.8	0.76	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.9	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.9	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.1	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.8	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.3	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.8	0.38	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	1.7	0.11	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.59	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.17	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.02	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.07	0.00	2.5e	5.7
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.07	0.00	2.5e	6.0
18	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	0.37	0.00	2.8	5.4
19	0.00	0.00	0.00	0.00	0.00	0.00	22	0.00	0.95	0.00	2.5e	4.9
20	0.00	0.00	0.00	0.00	0.00	0.00	19	0.00	0.49	0.00	1.1	5.3
21	0.00	0.00	0.00	0.00	0.00	0.00	17	0.00	2.6	0.00	2.0	6.1
22	0.00	0.00	0.00	0.00	0.00	0.00	20	0.00	0.83	0.00	3.5	6.2
23	0.00	0.00	0.00	0.00	0.00	0.00	18	0.04	1.3	0.00	3.5	6.0
24	0.00	0.00	0.00	0.00	0.00	0.00	22	2.9	0.84	0.00	5.2	6.2
25	0.00	0.00	0.00	0.00	0.00	0.00	24	12	0.16	0.00	5.9	7.9
26	0.00	0.00	0.00	0.00	0.00	0.00	20	0.55	0.08	0.00	6.2	5.5
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.7	0.00	0.00	6.4	5.1
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.6	0.00	0.00	0.00	4.9
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.0	0.00	0.00	0.00	5.2
30	0.00	0.00	0.00	0.00	---	0.00	0.00	1.9	0.00	0.00	0.00	4.7
31	0.00	---	0.00	0.00	---	0.00	---	0.10	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	176	25.27	35.42	1.34	44.1	85.1
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	5.9	0.81	1.2	0.043	1.4	2.8
MAX	0.00	0.00	0.00	0.00	0.00	0.00	24	12	6.1	0.76	6.4	7.9
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	349	50	70	2.7	87	169
CAL YEAR 2007	TOTAL		447	MEAN	1.2	MAX	34.0	MIN	0.000	AC-FT	887	
WTR YEAR 2008	TOTAL		367	MEAN	1.0	MAX	24.0	MIN	0.000	AC-FT	728	

e indicates estimated records.



## NORTH PLATTE RIVER BASIN

## BEERLINE CANAL from North Platte River, 00007000

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.5	---	---	---	---	---	---	0.00	0.00	8.4	5.4	8.1
2	4.6	---	---	---	---	---	---	0.00	0.00	7.9	4.9	8.6
3	4.8	---	---	---	---	---	0.00	0.00	0.00	7.8	4.7	9.7
4	4.9	---	---	---	---	---	0.00	0.00	0.00	7.9	4.5	11
5	4.7	---	---	---	---	---	0.00	0.00	0.00	7.8	5.0	11
6	4.4	---	---	---	---	---	0.00	0.00	0.00	7.7	7.2	11
7	4.3	---	---	---	---	---	0.00	0.00	0.00	7.7	9.5	12
8	4.3	---	---	---	---	---	0.00	0.00	0.00	7.8	9.7	12
9	4.2	---	---	---	---	---	0.00	0.00	0.00	5.1	9.9	12
10	4.0	---	---	---	---	---	0.00	0.00	0.00	3.0	10	12
11	3.7	---	---	---	---	---	0.00	0.00	7.9	2.7	12	12
12	3.7	---	---	---	---	---	0.00	0.00	9.5	2.4	12	12
13	4.0	---	---	---	---	---	0.00	0.00	9.3	3.8	12	12
14	4.2	---	---	---	---	---	0.00	0.00	9.2	6.5	12	12
15	4.5	---	---	---	---	---	0.00	0.00	9.2	7.0	11	11
16	4.8	---	---	---	---	---	0.00	0.00	10.0	7.0	10	9.9
17	4.6	---	---	---	---	---	0.00	0.00	10	6.9	12	9.8
18	0.00	---	---	---	---	---	0.00	0.00	9.7	6.8	12	9.5
19	0.00	---	---	---	---	---	0.00	0.00	8.9	6.7	12	9.2
20	0.00	---	---	---	---	---	0.00	0.00	9.3	6.6	11	8.5
21	0.00	---	---	---	---	---	0.00	0.00	9.5	6.5	11	8.1
22	0.00	---	---	---	---	---	0.00	0.00	9.8	6.4	10	8.1
23	0.00	---	---	---	---	---	0.00	0.00	10	6.4	9.1	7.9
24	---	---	---	---	---	---	0.00	0.00	10	6.4	8.4	7.7
25	---	---	---	---	---	---	0.00	0.00	10	6.4	8.1	7.4
26	---	---	---	---	---	---	0.00	0.00	9.8	6.3	7.8	7.2
27	---	---	---	---	---	---	0.00	0.00	9.1	6.3	7.5	7.1
28	---	---	---	---	---	---	0.00	0.00	8.8	6.2	7.5	7.2
29	---	---	---	---	---	---	0.00	0.00	8.9	6.2	7.3	7.1
30	---	---	---	---	---	---	0.00	0.00	8.7	6.1	7.3	7.1
31	---	---	---	---	---	---	---	0.00	---	5.7	7.4	---
TOTAL	74.2	0	0	0	0	0	0	0	187.6	196.4	278.2	288.2
MEAN	3.2	---	---	---	---	---	0.000	0.000	6.3	6.3	9.0	9.6
MAX	4.9	---	---	---	---	---	0.00	0.00	10	8.4	12	12
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	2.4	4.5	7.1
AC-FT	147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	372	390	552	572
CAL YEAR 2007	MAX		14.0	MIN	0.000	AC-FT	1955					
WTR YEAR 2008	MAX		12.0	MIN	0.000	AC-FT	2032					

NORTH PLATTE RIVER BASIN

LISCO CANAL from North Platte River, 00082000

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

GAGE.--Continuous stage recorder and weir

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	0.00	0.00	31	39	25
2	0.00	---	---	---	---	---	0.00	0.00	0.00	27	28	34
3	0.00	---	---	---	---	---	0.00	0.00	0.00	38	23	46
4	0.00	---	---	---	---	---	0.00	0.00	0.00	37	28	34
5	0.00	---	---	---	---	---	0.00	0.00	0.00	39	31	30
6	0.00	---	---	---	---	---	0.00	0.00	0.00	41	29	31
7	0.00	---	---	---	---	---	0.00	0.00	0.00	42	24	24
8	0.00	---	---	---	---	---	0.00	0.00	0.00	41	16	23
9	0.00	---	---	---	---	---	0.00	0.00	0.00	40	20	29
10	0.00	---	---	---	---	---	0.00	0.00	0.00	25	25	34
11	0.00	---	---	---	---	---	0.00	0.00	29	18	40	21
12	---	---	---	---	---	---	0.00	0.00	187	32	30	22
13	---	---	---	---	---	---	0.00	0.00	184	32	20	20
14	---	---	---	---	---	---	0.00	0.00	182	27	19	15
15	---	---	---	---	---	---	0.00	22	185	24	32	8.1
16	---	---	---	---	---	---	0.00	15	141	19	40	7.7
17	---	---	---	---	---	---	0.00	0.00	31	34	43	16
18	---	---	---	---	---	---	0.00	37	27	21	41	15
19	---	---	---	---	---	---	0.00	31	27	27	38	14
20	---	---	---	---	---	---	0.00	30	34	34	33	12
21	---	---	---	---	---	---	0.00	27	32	33	28	11
22	---	---	---	---	---	---	0.00	34	33	30	21	10
23	---	---	---	---	---	---	0.00	30	42	39	19	8.0
24	---	---	---	---	---	---	0.00	57	33	45	27	5.5
25	---	---	---	---	---	---	0.00	28	32	43	25	0.00
26	---	---	---	---	---	---	0.00	27	31	42	28	0.00
27	---	---	---	---	---	---	0.00	33	40	35	32	0.00
28	---	---	---	---	---	---	0.00	22	35	29	44	0.00
29	---	---	---	---	---	---	0.00	15	33	23	29	33
30	---	---	---	---	---	---	0.00	36	35	32	26	29
31	---	---	---	---	---	---	---	40	---	30	23	---
TOTAL	0	0	0	0	0	0	0	484	1373	1010	901	557.3
MEAN	0.000	---	---	---	---	---	0.000	15.6	45.6	32.6	29.0	18.5
MAX	0.00	---	---	---	---	---	0.00	57	187	45	44	46
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	18	16	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960	2723	2003	1787	1105
CAL YEAR 2007	MAX	29.0	MIN	0.000	AC-FT	1720						
WTR YEAR 2008	MAX	187.0	MIN	0.000	AC-FT	8579						

## NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER at Lisco, 06686000

LOCATION.--SW1/4NE1/4 Sec. 33-18-46 W., Garden County, Lat. 41° 29' 24", Long. 102° 37' 29", on left bank 40 feet downstream of highway bridge, and 0.5 mile south of Lisco.

DRAINAGE AREA.--Approximately 26,700 square miles.

GAGE.--Continuous stage recorder. Gage datum 3,475.5 feet above sea level.

PERIOD OF RECORD.--May to September 1916, June to October 1917, September 1931 - present. Monthly discharge only some periods, published in WSP 1310.

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 20,100 cubic feet per second June 27, 29 1917 from rating extended above 15.0 ft. Minimum daily discharge 8 cubic feet per second August 4, 1934.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,820 cubic feet per second August 18, gage height 2.03 feet; maximum gage height 3.43 feet December 18 due to backwater from ice; minimum daily discharge 151 cubic feet per second estimated July 14.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	476	788	832	830e	625e	830	601	369	935	386	396	552
2	491	790	820	830e	625e	791	610	397	1130	338	378	584
3	516	801	857	830e	625e	759	615	403	1210	295	362	694
4	544	800	823	830e	625e	744	611	442	915	306	366	872
5	567	767	834	820e	625e	696	613	425	934	333	383	992
6	571	736	855	820e	625e	663	576	402	939	327	390	1080
7	524	729	866	820e	625e	653	574	367	943	333	444	1150
8	559	745	865e	820e	660e	648	604	340	870	343	439	1260
9	583	760	865e	820e	675e	631	636	380	790	335	444	1290
10	575	769	865e	800e	700e	628	730	540	755	313	403	1390
11	575	761	865e	800e	700e	625	748	549	689	262	502	1480
12	569	742	865e	800e	700e	625	702	564	603	206	771	1530
13	591	778	865e	750e	720e	606	660	543	535	171	796	1520
14	640	768	865e	750e	720e	598	647	563	500	151	753	1450
15	675	774	865e	750e	720e	612	629	520	454	152	839	1320
16	754	819	865e	750e	720e	615	569	456	531	177	1060	1240
17	836	834	865e	750e	720e	622	541	558	538	272	1520	1250
18	828	850	865e	700e	720e	617	543	510	478	259	1750	1190
19	822	830	865e	700e	720e	598	529	395	396	278	1750	1110
20	907	806	850e	700e	720e	591	497	317	401	280	1640	1010
21	951	792	850e	700e	730e	583	483	281	557	282	1570	928
22	920	826	850e	650e	780e	582	463	331	626	269	1380	922
23	897	816	850e	650e	800e	570	459	385	663	266	1150	903
24	867	796	850e	650e	850e	584	516	504	768	554	958	867
25	859	798	850e	625e	900e	577	512	525	686	731	838	831
26	854	792	850e	625e	899	596	473	526	616	820	735	813
27	838	826	850e	625e	855	609	438	781	525	791	641	777
28	845	813	850e	625e	859	589	448	1420	470	741	569	752
29	831	809	830e	625e	849	603	431	1270	454	662	558	694
30	817	816	830e	625e	---	556	405	1130	419	553	545	652
31	786	---	830e	625e	---	579	---	993	---	476	536	---
TOTAL	22068	23731	26407	22695	21092	19580	16863	17186	20330	11662	24866	31103
MEAN	711.9	791.1	851.8	732.1	727.3	631.6	562.0	554.3	677.7	376.2	802.1	1036
MAX	951	850	866	830	900	830	748	1420	1210	820	1750	1530
MIN	476	729	820	625	625	556	405	281	396	151	362	552
AC-FT	43770	47070	52380	45010	41840	38840	33450	34090	40320	23130	49320	61690
CAL YEAR 2007	TOTAL		200493	MEAN	549.3	MAX	951.0	MIN	38.0	AC-FT	397700	
WTR YEAR 2008	TOTAL		257583	MEAN	703.8	MAX	1750	MIN	151.0	AC-FT	510900	

e indicates estimated discharge.

NORTH PLATTE RIVER BASIN

MIDLAND-OVERLAND CANAL from North Platte River, 00098000

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

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

PERIOD OF RECORD.--1924 - present

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.6	0.00	---	---	---	---	---	0.00	0.00	1.7	6.3	0.00
2	5.5	0.00	---	---	---	---	---	0.00	0.00	1.4	5.6	1.2
3	5.9	---	---	---	---	---	---	0.00	0.00	0.00	5.3	2.6
4	5.1	---	---	---	---	---	---	0.00	0.00	0.00	5.2	4.5
5	5.9	---	---	---	---	---	---	0.00	0.00	0.00	5.0	6.4
6	6.7	---	---	---	---	---	---	0.00	0.00	0.00	2.8	8.2
7	7.5	---	---	---	---	---	---	0.00	0.00	0.00	2.7	8.6
8	7.9	---	---	---	---	---	0.00	0.00	0.00	0.47	4.5	9.9
9	7.1	---	---	---	---	---	0.00	0.00	0.00	1.9	6.7	10
10	6.9	---	---	---	---	---	0.00	0.00	0.00	0.62	6.1	11
11	7.6	---	---	---	---	---	0.00	0.00	0.00	0.00	5.5	5.4
12	7.2	---	---	---	---	---	0.00	0.00	0.00	0.00	6.5	0.66
13	4.5	---	---	---	---	---	0.00	0.00	0.00	0.00	5.0	0.56
14	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.34
15	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.39
16	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.85
17	0.00	---	---	---	---	---	0.00	0.00	2.5	0.00	0.00	0.82
18	0.00	---	---	---	---	---	0.00	0.00	4.4	0.00	0.00	0.69
19	0.00	---	---	---	---	---	0.00	0.00	3.7	0.00	0.00	0.65
20	0.00	---	---	---	---	---	0.00	0.00	3.4	0.00	0.00	0.57
21	0.00	---	---	---	---	---	0.00	0.00	4.7	0.00	0.00	0.55
22	0.00	---	---	---	---	---	0.00	0.00	6.2	0.00	0.00	0.52
23	0.00	---	---	---	---	---	0.00	0.00	7.1	10	0.00	3.6
24	0.00	---	---	---	---	---	0.00	0.00	8.7	13	0.00	9.1
25	0.00	---	---	---	---	---	0.00	0.00	8.4	15	0.00	8.5
26	0.00	---	---	---	---	---	0.00	0.00	7.9	16	0.00	8.2
27	0.00	---	---	---	---	---	0.00	0.00	7.1	17	0.00	7.9
28	0.00	---	---	---	---	---	0.00	0.00	5.8	17	0.00	5.1
29	0.00	---	---	---	---	---	0.00	0.00	4.6	15	0.00	2.8
30	0.00	---	---	---	---	---	0.00	0.00	3.5	11	0.00	1.9
31	0.00	---	---	---	---	---	---	0.00	---	9.8	0.00	---
TOTAL	83.4	0	0	0	0	0	0	0	78	129.89	67.2	121.5
MEAN	2.7	0.000	---	---	---	---	0.000	0.000	2.6	4.2	2.2	4.1
MAX	7.9	0.00	---	---	---	---	0.00	0.00	8.7	17	6.7	11
MIN	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	155	258	133	241
CAL YEAR 2007	MAX		9.8	MIN	0.000	AC-FT	556					
WTR YEAR 2008	MAX		17.0	MIN	0.000	AC-FT	952					

## NORTH PLATTE RIVER BASIN

## PAISLEY CANAL from Blue Creek, 00120000

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

GAGE.--Continuous stage recorder and 4 ft. Parshall flume with modified rating

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.0	---	---	---	---	---	---	0.00	0.00	15	3.8	0.00
2	9.0	---	---	---	---	---	0.00	0.00	0.00	15	7.4	3.5
3	8.8	---	---	---	---	---	0.00	0.00	0.00	16	8.6	5.1
4	8.6	---	---	---	---	---	0.00	0.00	0.00	12	9.3	5.4
5	8.6	---	---	---	---	---	0.00	0.00	0.00	10	9.1	5.7
6	8.5	---	---	---	---	---	0.00	0.00	0.00	13	8.7	2.1
7	8.7	---	---	---	---	---	0.00	0.00	0.00	13	8.8	0.12
8	4.2	---	---	---	---	---	0.00	0.00	0.00	12	9.4	3.5
9	0.00	---	---	---	---	---	0.00	0.00	0.00	13	10	4.4
10	0.00	---	---	---	---	---	0.00	0.00	0.00	7.3	10	8.1
11	---	---	---	---	---	---	0.00	0.00	0.00	0.00	10	9.7
12	---	---	---	---	---	---	0.00	0.00	0.00	0.00	8.4	8.6
13	---	---	---	---	---	---	0.00	0.00	0.00	0.00	8.7	9.8
14	---	---	---	---	---	---	0.00	0.00	0.00	0.00	3.5	8.5
15	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	7.1
16	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	7.3
17	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	7.4
18	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	7.1
19	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	8.5
20	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	9.4
21	---	---	---	---	---	---	0.00	0.00	0.00	0.00	6.0	9.5
22	---	---	---	---	---	---	0.00	0.00	0.00	0.00	7.2	8.3
23	---	---	---	---	---	---	0.00	0.00	0.00	0.00	7.0	7.9
24	---	---	---	---	---	---	0.00	0.00	0.00	0.00	3.1	8.7
25	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	8.3
26	---	---	---	---	---	---	0.00	0.00	9.8	0.00	0.00	8.0
27	---	---	---	---	---	---	0.00	0.00	14	0.00	0.00	8.1
28	---	---	---	---	---	---	0.00	0.00	14	4.6	0.00	8.0
29	---	---	---	---	---	---	0.00	0.00	14	10.0	0.00	8.0
30	---	---	---	---	---	---	0.00	0.00	14	0.00	0.00	8.6
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	65.4	0	0	0	0	0	0	0	65.8	140.9	139	204.72
MEAN	6.5	---	---	---	---	---	0.000	0.000	2.2	4.5	4.5	6.8
MAX	9.0	---	---	---	---	---	0.00	0.00	14	16	10	9.8
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	131	279	276	406
CAL YEAR 2007	MAX		14.0	MIN	0.000	AC-FT	1279					
WTR YEAR 2008	MAX		16.0	MIN	0.000	AC-FT	1221					

# NORTH PLATTE RIVER BASIN

**BLUE CREEK & HOOPER CANAL from Blue Creek, 00017200**

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

GAGE.--Continuous stage recorder and 8 ft. Parshall Flume with modified rating

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

REMARKS.--Total diversion from Blue Creek for both Blue Creek Canal and Hooper Canal. Diversion at this site before 1996 was for Blue Creek Canal only. Starting in 1996 Blue Creek Canal also started diverting water for the Hooper Canal. Hooper Canal has a separate measuring device. Deliveries to Hooper Canal shown separately in this report. Starting in 2003, the Blue Creek Canal also delivers water to lands formerly served by the Graf Canal. There is no longer a Graf Canal diversion.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13	---	---	---	---	---	---	0.00	0.00	47	42	40
2	12	---	---	---	---	---	0.00	0.00	2.4	47	48	40
3	12	---	---	---	---	---	0.00	0.00	10	48	50	41
4	12	---	---	---	---	---	0.00	0.00	9.6	48	50	41
5	12	---	---	---	---	---	0.00	3.3	10	46	51	41
6	4.4	---	---	---	---	---	0.00	18	11	45	51	40
7	0.00	---	---	---	---	---	0.00	13	12	46	22	35
8	0.00	---	---	---	---	---	0.00	14	12	46	0.00	29
9	0.00	---	---	---	---	---	0.00	14	10	46	0.00	27
10	0.00	---	---	---	---	---	0.00	15	9.6	46	0.00	27
11	---	---	---	---	---	---	0.00	17	9.3	46	6.9	30
12	---	---	---	---	---	---	0.00	10	9.2	47	31	29
13	---	---	---	---	---	---	0.00	7.6	9.2	47	48	30
14	---	---	---	---	---	---	0.00	13	9.1	47	54	28
15	---	---	---	---	---	---	0.00	13	8.9	45	55	24
16	---	---	---	---	---	---	0.00	14	9.3	37	55	23
17	---	---	---	---	---	---	0.00	13	13	36	54	22
18	---	---	---	---	---	---	0.00	11	19	32	54	22
19	---	---	---	---	---	---	0.00	14	31	32	53	22
20	---	---	---	---	---	---	0.00	15	35	33	52	22
21	---	---	---	---	---	---	0.00	15	42	43	47	22
22	---	---	---	---	---	---	0.00	6.0	41	47	47	23
23	---	---	---	---	---	---	0.00	0.00	41	51	46	18
24	---	---	---	---	---	---	0.00	0.00	42	49	46	6.8
25	---	---	---	---	---	---	0.00	0.00	41	47	47	5.9
26	---	---	---	---	---	---	0.00	0.00	41	42	47	6.2
27	---	---	---	---	---	---	0.00	0.00	40	39	44	8.0
28	---	---	---	---	---	---	0.00	0.00	34	44	41	7.5
29	---	---	---	---	---	---	0.00	0.00	39	42	41	7.4
30	---	---	---	---	---	---	0.00	0.00	47	40	41	7.4
31	---	---	---	---	---	---	---	0.00	---	38	40	---
TOTAL	65.4	0	0	0	0	0	0	225.9	647.6	1349	1263.9	725.2
MEAN	6.4	---	---	---	---	---	0.000	7.3	21.6	43.6	40.8	24.1
MAX	13	---	---	---	---	---	0.00	18	47	51	55	41
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	32	0.00	5.9
AC-FT	130	0.00	0.00	0.00	0.00	0.00	0.00	448	1284	2676	2507	1438
CAL YEAR 2007	MAX	52.0	MIN	0.000	AC-FT	5899						
WTR YEAR 2008	MAX	55.0	MIN	0.000	AC-FT	8483						

## NORTH PLATTE RIVER BASIN

## HOOPER CANAL from Blue Creek via Blue Creek Canal, 00067000

LOCATION.--SE1/4NE1/4 Sec. 7-16-42 W. near Lewellen

GAGE.--Continuous stage recorder and 4 ft. rectangular weir

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

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	0.00	0.00	7.0	7.9	1.7
2	0.00	---	---	---	---	---	---	0.00	0.00	7.3	6.1	1.6
3	0.00	---	---	---	---	---	---	0.00	0.00	7.9	5.3	3.6
4	0.00	---	---	---	---	---	---	0.00	0.00	8.2	7.3	4.9
5	0.00	---	---	---	---	---	---	0.00	0.00	7.8	8.4	5.2
6	0.00	---	---	---	---	---	---	0.00	0.00	8.5	8.6	6.0
7	0.00	---	---	---	---	---	---	0.00	0.00	8.1	5.1	5.1
8	0.00	---	---	---	---	---	---	0.00	0.00	8.0	0.00	4.9
9	0.00	---	---	---	---	---	0.00	0.00	0.00	8.1	0.00	5.1
10	0.00	---	---	---	---	---	0.00	0.00	0.00	8.1	0.00	5.6
11	---	---	---	---	---	---	0.00	0.00	0.00	8.1	0.00	6.6
12	---	---	---	---	---	---	0.00	0.00	0.00	8.1	8.5	6.4
13	---	---	---	---	---	---	0.00	0.00	0.00	8.5	9.1	4.9
14	---	---	---	---	---	---	0.00	0.00	0.00	8.8	9.5	1.0
15	---	---	---	---	---	---	0.00	0.00	0.00	8.8	9.3	0.00
16	---	---	---	---	---	---	0.00	0.00	0.00	7.4	5.4	0.00
17	---	---	---	---	---	---	0.00	0.00	6.0	7.3	3.5	0.00
18	---	---	---	---	---	---	0.00	0.00	5.6	7.3	3.5	0.00
19	---	---	---	---	---	---	0.00	0.00	7.5	5.7	3.1	0.00
20	---	---	---	---	---	---	0.00	0.00	7.4	5.6	2.5	0.00
21	---	---	---	---	---	---	0.00	0.00	6.4	8.6	2.3	0.00
22	---	---	---	---	---	---	0.00	0.00	4.3	8.9	2.2	0.00
23	---	---	---	---	---	---	0.00	0.00	6.5	9.8	2.9	0.00
24	---	---	---	---	---	---	0.00	0.00	6.6	7.1	3.2	0.00
25	---	---	---	---	---	---	0.00	0.00	4.8	3.7	3.1	0.00
26	---	---	---	---	---	---	0.00	0.00	4.9	3.6	4.6	0.00
27	---	---	---	---	---	---	0.00	0.00	4.8	3.6	4.4	0.00
28	---	---	---	---	---	---	0.00	0.00	5.1	4.9	3.9	0.00
29	---	---	---	---	---	---	0.00	0.00	7.1	6.3	3.7	0.00
30	---	---	---	---	---	---	0.00	0.00	7.5	7.5	2.3	0.00
31	---	---	---	---	---	---	---	0.00	---	7.7	1.6	---
TOTAL	0	0	0	0	0	0	0	0	84.5	226.3	137.3	62.6
MEAN	0.000	---	---	---	---	---	0.000	0.000	2.8	7.3	4.4	2.1
MAX	0.00	---	---	---	---	---	0.00	0.00	7.5	9.8	9.5	6.6
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	3.6	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168	449	272	124
CAL YEAR 2007	MAX	11.0	MIN	0.000	AC-FT	617						
WTR YEAR 2008	MAX	9.8	MIN	0.000	AC-FT	1013						

NORTH PLATTE RIVER BASIN

UNION CANAL from Blue Creek, 00146000

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	0.00	0.00	4.9	10	9.7
2	0.00	---	---	---	---	---	---	0.00	0.00	3.7	9.9	9.4
3	0.00	---	---	---	---	---	---	0.00	0.00	4.3	9.9	9.4
4	0.00	---	---	---	---	---	---	0.00	0.00	7.6	9.9	9.6
5	0.00	---	---	---	---	---	---	0.00	0.00	10	9.8	9.5
6	0.00	---	---	---	---	---	---	0.00	0.00	11	9.6	10
7	0.00	---	---	---	---	---	---	0.00	0.00	10	9.4	9.5
8	0.00	---	---	---	---	---	0.00	0.00	0.00	10	9.1	7.9
9	0.00	---	---	---	---	---	0.00	0.00	0.00	10	9.0	6.3
10	0.00	---	---	---	---	---	0.00	0.00	0.00	11	9.0	5.4
11	---	---	---	---	---	---	0.00	0.00	0.00	10	8.7	4.7
12	---	---	---	---	---	---	0.00	0.00	0.00	12	8.4	4.4
13	---	---	---	---	---	---	0.00	0.00	0.00	11	8.3	4.1
14	---	---	---	---	---	---	0.00	0.00	0.00	12	8.4	4.3
15	---	---	---	---	---	---	0.00	0.00	0.00	11	6.1	4.6
16	---	---	---	---	---	---	0.00	0.00	0.00	11	7.8	5.3
17	---	---	---	---	---	---	0.00	0.00	0.76	11	8.0	5.1
18	---	---	---	---	---	---	0.00	0.00	2.5	11	5.9	4.6
19	---	---	---	---	---	---	0.00	0.00	1.8	11	7.4	3.7
20	---	---	---	---	---	---	0.00	0.00	1.6	11	9.0	3.3
21	---	---	---	---	---	---	0.00	0.00	1.2	11	9.1	3.3
22	---	---	---	---	---	---	0.00	0.00	1.3	11	9.2	2.7
23	---	---	---	---	---	---	0.00	0.00	1.4	11	9.3	1.7
24	---	---	---	---	---	---	0.00	0.00	2.2	11	9.3	3.6
25	---	---	---	---	---	---	0.00	0.00	5.1	11	9.3	2.8
26	---	---	---	---	---	---	0.00	0.00	1.4	11	9.5	2.9
27	---	---	---	---	---	---	0.00	0.00	2.0	9.0	10	4.4
28	---	---	---	---	---	---	0.00	0.00	5.7	8.7	9.7	7.6
29	---	---	---	---	---	---	0.00	0.00	2.9	9.2	9.3	6.7
30	---	---	---	---	---	---	0.00	0.00	4.8	11	9.4	2.0
31	---	---	---	---	---	---	---	0.00	---	10	9.9	---
TOTAL	0	0	0	0	0	0	0	0	34.66	307.4	277.6	168.5
MEAN	0.000	---	---	---	---	---	0.000	0.000	1.2	10.0	9.0	5.6
MAX	0.00	---	---	---	---	---	0.00	0.00	5.7	12	10	10
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	3.7	5.9	1.7
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69	610	551	334
CAL YEAR 2007	MAX	22.0	MIN	0.000	AC-FT	1579						
WTR YEAR 2008	MAX	12.0	MIN	0.000	AC-FT	1563						



## NORTH PLATTE RIVER BASIN

## BLUE CREEK near Lewellen, 06687000

LOCATION.--NEL/4 Sec. 30-16-42 W., Garden County, Lat. 41° 20' 08", Long. 102° 10' 21", on left bank five feet downstream from county highway bridge, 0.5 mile downstream from bridge on U.S. Highway 26, 0.8 mile upstream from mouth, and 1.5 miles west of Lewellen.

DRAINAGE AREA.--1,120 square miles, of which approximately 80 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum 3,310.04 feet above sea level.

PERIOD OF RECORD.--Oct. 1930 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Records good, except records below 5 cubic feet per second are fair and estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 720 cubic feet per second May 20, 1938, gage height 6.46 feet; maximum gage height 7.28 feet December 17, 1985, backwater from ice; no flow for short periods many years since 1940.

EXTREMES FOR CURRENT YEAR.--Peak discharge 114 cubic feet per second April 12, gage height 3.67 feet; maximum gage height 4.35 feet January 25 due to backwater from ice; minimum daily discharge 0.14 cubic feet per second July 10.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	69	80	85e	86e	89	89	89	75	79	0.69	19	19
2	71	77e	87e	86e	89	86	89	80	79	0.58	3.3	17
3	72	77e	87	86e	89	81	94	84	71	2.3	0.76	15
4	73	77e	88	88e	90	80	93	86	74	0.39	0.83	14
5	75	77e	89	88e	90	80	90	87	79	0.32	0.79	15
6	81	77e	90	88e	89e	80	87	65	91	0.27	0.46	26
7	86	77e	91	88e	87	81	93	66	99	0.22	20	34
8	91	77e	92	88e	89	83	88	66	99	0.18	57	45
9	98	77e	90e	88e	90	84	88	66	82	0.20	57	47
10	96	78e	90e	88e	88	85	96	67	74	0.14	55	44
11	92	78e	90e	88e	85	87	104	66	70	11	57	48
12	89	78e	90e	88e	89	91	110	67	69	10	35	48
13	89	78e	90e	88e	91	90	109	77	68	9.7	16	50
14	91	80e	88e	88e	91	91	101	71	68	7.5	16	47
15	92	80e	88e	88e	90	92	96	68	67	7.4	24	48
16	92	80e	88e	90e	91	93	92	66	69	18	24	45
17	90	85e	88e	90e	94	94	88	64	67	21	23	44
18	90	95e	88e	90e	91	96	85	65	59	30	24	43
19	93	82	88e	90e	89	94	85	61	51	32	17	43
20	94	82	86e	90e	96	93	83	60	46	31	11	43
21	94	81	86e	90e	98	92	81	60	38	20	10	43
22	88	80	86e	90e	93	93	80	73	35	12	6.6	46
23	86	80	86e	90e	95	91	80	85	35	5.5	6.3	49
24	85	81	86e	90e	94	91	80	96	33	5.9	8.8	59
25	85	81	86e	90e	90	88	84	93	30	8.0	14	59
26	84	83	86e	90e	87	89	84	86	30	13	15	58
27	83	83	86e	90e	83	91	80	80	22	19	16	52
28	82	83	86e	90e	86	90	78	79	24	24	20	50
29	82	84	86e	97	91	88	77	83	24	27	20	50
30	81	84	86e	93	---	88	76	81	7.5	20	19	55
31	80	---	86e	90e	---	89	---	79	---	22	19	---
TOTAL	2654	2412	2719	2764	2614	2740	2660	2302	1739.5	359.29	615.84	1256
MEAN	85.6	80.4	87.7	89.2	90.1	88.4	88.7	74.3	58.0	11.6	19.8	41.9
MAX	98	95	92	97	98	96	110	96	99	32	57	59
MIN	69	77	85	86	83	80	76	60	7.5	0.14	0.46	14
AC-FT	5264	4784	5393	5482	5185	5435	5276	4566	3450	713	1222	2491
CAL YEAR 2007	TOTAL		26360	MEAN	72.2	MAX	135.0	MIN	0.000	AC-FT	52280	
WTR YEAR 2008	TOTAL		24836	MEAN	67.9	MAX	110.0	MIN	0.14	AC-FT	49260	

e indicates estimated discharge.

**NORTH PLATTE RIVER at Lewellen, 06687500**

LOCATION.--SEL/4NW1/4 Sec. 34-16-42 W., Garden County, Lat. 41° 19' 01", Long. 102° 07' 32", on left bank 19 feet downstream from bridge on State Highway 26, one mile southeast of Lewellen and approximately 0.5 mile upstream from highwater line of Lake McConaughy.

DRAINAGE AREA.--28,600 square miles, approximately 25,400 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum 3285.88 feet above sea level.

PERIOD OF RECORD.--1931 irrigation season, 1940 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 13,500 cubic feet per second June 4, 1971, at different datum; minimum daily discharge 38 cubic feet per second June 24, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,810 cubic feet per second September 13, gage height 6.43 feet; maximum gage height 7.12 feet January 8 due to backwater from ice; minimum daily discharge 144 cubic feet per second July 16.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	499	924	952	900e	880e	876	775	492	1070	384	481	588
2	507	931	945	880e	880e	879	766	522	1020	352	411	601
3	508	917	977	880e	880e	852	828	559	1130	336	374	618
4	506	901	1070	880e	880e	836	824	609	1140	307	351	684
5	516	907	1050	860e	890e	811	803	601	1060	281	399	889
6	530	897	1060	860e	900e	784	778	558	1240	300	398	1130
7	538	907	1060	860e	910e	749	772	532	1060	301	389	1210
8	525	906	960e	840e	920e	753	805	531	982	292	460	1310
9	538	899	980e	840e	920e	772	773	522	866	353	494	1380
10	562	883	980e	840e	950e	763	891	588	760	321	508	1420
11	557	868	960e	860e	950e	779	989	650	680	308	480	1620
12	546	863	940e	860e	950e	799	1040	628	628	265	544	1660
13	546	876	920e	880e	950e	798	991	692	568	221	681	1760
14	597	877	940e	900e	950e	795	914	699	540	179	702	1570
15	692	857	920e	880e	950e	791	854	708	526	145	708	1450
16	675	868	900e	860e	950e	804	811	680	528	144	837	1320
17	725	893	880e	880e	950e	816	761	622	585	175	939	1200
18	788	927	880e	860e	853	805	728	667	555	311	1200	1200
19	804	931	860e	860e	897	740	718	632	535	303	1340	1170
20	799	922	880e	860e	894	717	684	554	481	304	1340	1130
21	842	926	920e	860e	694	727	642	479	490	294	1300	1060
22	892	913	940e	860e	871	734	609	494	548	297	1260	1020
23	917	910	940e	870e	1010	749	606	572	581	259	1120	1000
24	897	911	920e	870e	942	755	616	715	655	282	971	974
25	906	925	920e	870e	948	758	693	778	686	488	846	934
26	924	949	900e	870e	899	759	652	818	656	668	758	890
27	948	974	880e	870e	910	771	595	817	583	737	674	851
28	961	1010	880e	880e	876	777	537	975	510	754	621	819
29	949	1020	880e	880e	872	759	525	1330	466	737	606	805
30	938	980	900e	880e	---	757	512	1270	432	629	603	768
31	927	---	880e	880e	---	776	---	1190	---	546	599	---
TOTAL	22059	27472	29074	26930	26326	24241	22492	21484	21561	11273	22394	33031
MEAN	711.6	916.1	937.7	868.7	907.6	782.0	749.7	692.9	718.7	363.6	722.6	1101
MAX	961	1020	1070	900	1010	879	1040	1330	1240	754	1340	1760
MIN	499	857	860	840	694	717	512	479	432	144	351	588
AC-FT	43750	54490	57670	53410	52220	48080	44610	42610	42770	22360	44420	65520
CAL YEAR 2007 TOTAL			225503	MEAN	617.8	MAX	1270	MIN	49.0	AC-FT	447300	
WTR YEAR 2008 TOTAL			288337	MEAN	787.8	MAX	1760	MIN	144.0	AC-FT	571900	

e indicates estimated discharge.

## NORTH PLATTE RIVER BASIN

## KINGSLEY RESERVOIR from North Platte River, 06690000

LOCATION.--NW1/4SW1/4 Sec. 3-14-38 W. near Ogallala

GAGE.--Electric tape gage read once daily

PERIOD OF RECORD.--1941 - 1988, 1990

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

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	3277.5	2,179,800
Top of conservation pool	3270.0	1,948,000
Dead storage	3130.0	Negligible

## STORAGE ( ACFT ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	468900	507400	555700	587100	621100	673500	720600	752100	786100	791900	643500	572100
2	468900	509000	555700	587100	622800	675300	720600	755900	788000	788000	636600	568800
3	470400	510600	557300	587100	624500	677000	722400	754000	788000	784200	631400	567200
4	470400	513700	557300	587100	626200	678800	724200	755900	790000	780400	624500	565500
5	471900	513700	559000	590500	627900	680600	726100	754000	793800	776600	617600	565500
6	473400	515300	562200	592200	629700	682400	726100	754000	793800	770900	612500	565500
7	473400	516900	562200	592200	631400	684200	726100	754000	795700	767200	607400	565500
8	475000	518500	565500	593900	633100	684200	729800	755900	795700	763400	602300	565500
9	475000	520100	567200	595500	634800	686000	731600	757700	797600	757700	602300	565500
10	476500	523300	565500	597200	636600	687800	737200	757700	797600	754000	595500	568800
11	478000	524900	565500	597200	638300	689600	737200	759600	801500	748400	592200	568800
12	478000	526500	567200	598900	640100	691400	739000	761500	799500	742800	590500	572100
13	479500	528100	567200	602300	641800	691400	740900	761500	801500	735400	585500	575500
14	481000	528100	567200	602300	643500	693200	742800	761500	801500	728000	585500	577100
15	482600	529700	568800	604000	645300	695000	744600	761500	801500	720600	583800	578800
16	482600	532900	570500	605700	647000	695000	744600	763400	801500	716900	582100	580400
17	485600	534500	570500	605700	648800	698700	746500	763400	803400	713200	582100	582100
18	485600	536100	572100	607400	650500	700500	744600	763400	803400	707800	582100	583800
19	487200	537800	573800	607400	652300	702300	744600	765300	803400	704100	582100	585500
20	488700	539400	573800	607400	654000	704100	748400	765300	801500	700500	582100	585500
21	490200	541000	577100	607400	655800	704100	746500	765300	801500	696900	583800	588800
22	491800	542600	577100	607400	657500	705900	748400	767200	799500	691400	583800	592200
23	493400	544200	578800	610800	659300	705900	748400	769000	801500	687800	583800	592200
24	494900	545900	578800	609100	661100	709600	748400	772800	799500	682400	583800	593900
25	496400	547500	580400	610800	664600	709600	750200	772800	797600	680600	582100	595500
26	498000	549100	582100	610800	666300	709600	752100	774700	797600	673500	580400	597200
27	499600	550700	582100	614200	668100	711400	752100	774700	797600	669900	580400	598900
28	501100	552400	583800	614200	669900	713200	752100	776600	795700	664600	578800	600600
29	504300	554000	585500	615900	671700	715100	750200	780400	795700	662800	577100	600600
30	504300	554000	585500	617600	---	715100	752100	780400	793800	655800	573800	602300
31	505800	---	585500	619300	---	718700	---	784200	---	650500	572100	---
MEAN	484900	531600	571000	602800	645700	696400	739900	764400	797500	721600	593600	580700
MAX	505800	554000	585500	619300	671700	718700	752100	784200	803400	791900	643500	602300
MIN	468900	507400	555700	587100	621100	673500	720600	752100	786100	650500	572100	565500
CAL YEAR 2007	MEAN	564600	MAX	691400	MIN	446700						
WTR YEAR 2008	MEAN	644000	MAX	803400	MIN	468900						

NORTH PLATTE RIVER BASIN

SUTHERLAND CANAL from North Platte River and Kingsley Reservoir, 00138000

LOCATION.--NW1/4NW1/4 Sec. 7-14-37 W. near Keystone

GAGE.--Continuous stage recorder and concrete control section

PERIOD OF RECORD.--1936 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	30	30	30	321	32	16	16	357	384	914	1530	861
2	30	30	30	309	32	16	16	356	376	1130	1520	868
3	30	30	30	307	32	16	16	363	326	1320	1520	870
4	30	30	30	318	32	16	16	358	257	1490	1530	871
5	30	30	230	327	32	16	16	353	258	1670	1530	872
6	30	30	246	307	32	16	16	350	260	1750	1540	872
7	30	30	237	287	32	16	16	319	259	1580	1540	874
8	30	30	267	284	32	16	16	233	261	1540	1550	836
9	30	30	253	318	32	16	16	235	265	1680	1560	454e
10	30	30	250	298	32	16	23	233	284	1660	1560	381e
11	30	30	280	288	25	16	24	234	300	1600	1530	358
12	30	30	265	293	25	16	24	230	305	1600	1470	352
13	30	30	252	271	25	16	25	230	303	1600	1430	347
14	30	30	286	274	25	16	26	231	302	1600	1280	340
15	30	30	285	284	25	16	27	229	299	1590	971	336
16	30	30	267	276	25	16	28	227	300	1590	882	330
17	30	30	255	280	25	16	99	226	300	1570	821	321
18	30	30	284	279	20	16	342	228	379	1430	788	315
19	30	30	284	260	20	16	344	228	626	1320	722	310
20	30	30	283	253	20	16	344	228	708	1320	537	304
21	30	30	277	261	20	16	351	236	663	1340	483	297
22	30	30	304	271	20	16	357	245	661	1480	426	263
23	30	30	286	249	20	16	402	211	667	1530	415	187
24	30	30	273	242	20	16	484	159	667	1530	401	0.00
25	30	30	310	258	20	16	491	159	664	1530	466	0.00
26	30	30	293	246	20	16	493	160	663	1530	656	0.00
27	30	30	289	239	20	16	489	161	663	1530	734	0.00
28	30	30	311	226	16	16	452	146	660	1530	721	0.00
29	30	30	311	32	16	16	384	138	657	1530	706	0.00
30	30	30	292	32	---	16	376	175	682	1530	649	0.00
31	30	---	280	32	---	16	---	344	---	1530	587	---
TOTAL	930	900	7570	7922	727	496	5729	7582	13399	46544	32055	11819
MEAN	30.0	30.0	244.1	255.6	25.1	16.0	191.0	244.5	446.7	1501	1034	394.0
MAX	30	30	311	327	32	16	493	363	708	1750	1560	874
MIN	30	30	30	32	16	16	16	138	257	914	401	0.00
AC-FT	1845	1785	15010	15710	1442	984	11360	15040	26580	92320	63580	23440
CAL YEAR 2007	TOTAL		135550	MEAN	371.4	MAX	1720	MIN	0.000	AC-FT	268900	
WTR YEAR 2008	TOTAL		135673	MEAN	370.7	MAX	1750	MIN	0.000	AC-FT	269100	

e indicates estimated discharge.

## SOUTH PLATTE RIVER BASIN

## SOUTH PLATTE SUPPLY CANAL (Korty) from South Platte River, 06764900

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

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

PERIOD OF RECORD.--1947 - present

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	54	107	0.00	91	62	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	70	112	0.00	90	57	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	115	114	0.00	75	55	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	134	116	0.00	80	47	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	253	115	0.00	69	53	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	266	105	44	73	53	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	225	102	91	72	46	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	219	88	96	70	40	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	228	82	89	68	39	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	254	76	85	89	50	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	243	31	104	88	51	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	213	0.00	129	76	49	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	194	0.00	131	65	43	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	203	0.00	137	54	45	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	219	0.00	125	49	37	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	207	0.00	117	45	32	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	185	0.00	113	41	32	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	195	0.00	108	35	37	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	183	0.00	101	29	31	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	210	0.00	79	24	16	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	186	0.00	74	22	39	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	197	0.00	69	45	37	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	151	0.00	81	67	22	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	129	0.00	95	82	22	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	130	0.00	129	86	24	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	122	0.00	115	86	21	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	120	0.00	100	80	18	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	115	0.00	91	77	13	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	107	0.00	89	76	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	8.9	---	0.00	88	67	0.00	0.00	0.00	0.00
31	0.00	---	0.00	9.8	---	0.00	---	56	---	0.00	0.00	---
TOTAL	0	0	0	18.7	5127	1048	2480	2027	1071	0	0	0
MEAN	0.000	0.000	0.000	0.60	176.7	33.8	82.7	65.4	35.7	0.000	0.000	0.000
MAX	0.00	0.00	0.00	9.8	266	116	137	91	62	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	54	0.00	0.00	22	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	37	10170	2079	4919	4020	2124	0.00	0.00	0.00
CAL YEAR 2007	TOTAL		26186	MEAN	71.7	MAX	918.0	MIN	0.000	AC-FT	51940	
WTR YEAR 2008	TOTAL		11772	MEAN	32.2	MAX	266.0	MIN	0.000	AC-FT	23350	

NORTH & SOUTH PLATTE RIVER BASIN

SUTHERLAND RESERVOIR from North & South Platte Rivers, 00409100

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 before 1988. Values furnished by Central Nebraska Public Power and Irrigation District.

STORAGE LEVEL	ELEVATION (feet)	CONTENT (acre-feet)
Normal maximum operating level	3055.0	64,720
Normal minimum operating level	3041.6	28,350

STORAGE ( ACFT ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	50160	43010	37390	44290	50700	49770	38680	40470	41600	45270	35740	38010
2	49800	42820	37220	44350	50750	49660	38580	40340	39350	43680	35360	37980
3	49490	42530	37060	44640	51090	49610	38320	40110	42110	42190	34840	38140
4	49270	42370	36960	45000	51820	49300	37830	40000	42190	40890	35090	38710
5	49050	42190	37040	45270	52160	49050	37750	40160	42960	40500	34610	39510
6	48740	42050	37290	45560	52280	48740	37420	40680	42800	40160	34110	40320
7	48500	41920	37550	45810	52330	48500	36580	41050	42820	39560	33480	41310
8	48250	41740	37880	46000	52220	48160	36450	41230	42770	39150	33090	42400
9	47940	41520	38140	46300	52140	48160	36680	41550	42580	38650	33430	43010
10	47700	41390	38270	46570	52050	47590	37010	41630	42530	38290	33660	42930
11	47450	41180	38600	46820	51990	47370	36880	41630	42480	38450	34890	43250
12	47200	40970	38860	47040	51910	47120	36780	41630	42480	38500	35820	43620
13	47060	40870	39300	47310	51510	46840	36580	41630	42480	38290	36680	43840
14	47010	40550	39400	47450	51290	46630	36480	41470	42800	38340	37650	44030
15	46820	40340	39610	47670	51200	46350	36400	41390	42660	38290	38320	44290
16	46540	40160	39820	47860	51030	46300	36100	41500	42640	38780	38940	44590
17	46460	40000	40080	48030	50920	46110	36100	41310	42660	39510	39530	44830
18	46130	39820	40320	48300	50670	45890	37040	41500	42530	40420	40060	45100
19	45860	39610	40600	48520	50470	45460	37240	41520	43040	40970	40530	45350
20	45650	39400	40870	48690	50420	45000	37700	41420	43650	41500	40710	45620
21	45400	39220	41050	48860	50360	44460	37850	41160	44160	41580	40810	45860
22	45130	39040	41260	49080	50390	43920	38010	41310	44400	40600	40710	46080
23	44910	38860	41500	49330	50470	43360	38140	41370	44970	40370	40680	46080
24	44670	38680	41680	49470	50300	42740	39020	41340	45130	39510	40680	45970
25	44480	38470	42050	49770	50220	42320	39380	41230	45370	38710	40260	45780
26	44240	38290	42270	50020	50190	41810	39640	41180	45780	37980	39660	45540
27	44050	38110	42930	50280	50050	41370	40000	41100	46080	37910	39150	45350
28	43860	37930	43200	50530	50000	40630	40320	41080	46130	37320	38860	45100
29	43650	37750	43410	50610	49940	40240	40320	41160	46240	36910	38760	44830
30	43600	37550	43700	50670	---	39510	40600	41050	45970	36580	38600	44560
31	43280	---	44030	50580	---	38960	---	41520	---	36300	38240	---
MEAN	46530	40280	39980	47760	51060	45510	37860	41150	43440	39520	37510	43400
MAX	50160	43010	44030	50670	52330	49770	40600	41630	46240	45270	40810	46080
MIN	43280	37550	36960	44290	49940	38960	36100	40000	39350	36300	33090	37980
CAL YEAR 2007	MEAN	48690	MAX	57300	MIN	36960						
WTR YEAR 2008	MEAN	42810	MAX	52330	MIN	33090						

## NORTH &amp; SOUTH PLATTE RIVER BASIN

## MALONEY RESERVOIR from North &amp; South Platte Rivers, 00405500

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 before 1988. Values furnished by Central Nebraska Public Power and Irrigation District.

STORAGE LEVEL	ELEVATION (feet)	CONTENT (acre-feet)
Maximum normal operating level	3006.0	19,450
Normal operating level	3005.0	17,800

## STORAGE ( ACFT ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	15270	12780	10890	10500	9625	10890	13350	14810	16840	17640	17640	17160
2	15120	12640	10890	10500	9625	10890	13350	15120	16840	17160	17480	17320
3	15120	12500	10890	10500	9625	8560	13350	15580	16840	17000	17640	17640
4	14960	12500	10890	10500	9625	8560	13350	16050	16680	17160	17640	17970
5	14960	12360	10890	10500	9625	8560	13350	16360	16840	17320	17640	18460
6	14810	12360	10890	10500	9625	10630	13200	16360	16680	17480	17640	18790
7	14650	12360	10890	9625	9625	10630	13200	16360	16680	17640	17640	18790
8	14650	12220	10890	9625	8445	10630	13200	16200	16680	17640	17800	18790
9	14510	12220	10890	9625	8445	11410	13200	16520	16520	17640	17640	18630
10	14360	12080	10890	9625	8445	11410	13640	16520	16520	17640	17800	18630
11	14360	12080	10890	9625	8445	11540	13350	16520	16520	17480	17970	18460
12	14220	12080	10890	9625	9625	11540	13200	16360	16520	17480	18300	18300
13	14220	11940	10890	9625	9625	11410	13200	16360	16520	17480	17970	18130
14	14220	11800	10890	9625	9625	11410	13200	16360	16520	17640	17970	17970
15	14070	11800	10500	9625	9625	11280	13060	16360	16680	17640	17970	17970
16	14070	11670	10890	9625	9625	10890	13060	16360	16680	17800	18130	17800
17	13930	11670	10500	9625	9625	10890	13060	16360	16840	17800	18300	17640
18	13930	11670	10500	9625	11280	10890	12920	16360	17000	17970	18300	17480
19	13780	11540	10500	9625	11410	10890	12920	16360	17320	18130	18300	17320
20	13640	11540	10500	9625	11410	10890	12920	16520	17480	17970	18300	17320
21	13640	11410	10500	9625	11410	10890	12780	16520	17480	17640	18130	17160
22	13490	11410	10500	9625	11540	11410	12920	16680	17480	17480	17970	17000
23	13490	11410	10500	9625	11410	11540	13060	16840	17320	17800	17800	16840
24	13350	11280	10500	9625	11410	11670	13350	17000	17160	17160	17800	16840
25	13350	11280	10500	9625	11410	11940	13490	17000	17160	17800	17640	16680
26	13200	11150	10500	9625	11410	12080	13640	17160	17320	17640	17480	16520
27	13200	10890	10500	9625	11410	12360	13780	17160	17480	17480	17320	16520
28	13060	10890	10500	9625	11280	12500	13930	17160	17480	17480	17320	16360
29	12920	10890	10500	9625	11020	12640	14220	17160	17800	17480	17160	16200
30	12780	10890	10500	9625	---	12920	14360	17000	17640	17480	17320	16050
31	12780	---	10500	9625	---	13060	---	17000	---	17480	17160	---
MEAN	14000	11780	10690	9794	10180	11190	13320	16470	16980	17570	17780	17560
MAX	15270	12780	10890	10500	11540	13060	14360	17160	17800	18130	18300	18790
MIN	12780	10890	10500	9625	8445	8560	12780	14810	16520	17000	17160	16050
CAL YEAR 2007	MEAN	13290	MAX	18460	MIN	6475						
WTR YEAR 2008	MEAN	13950	MAX	18790	MIN	8445						

SUTHERLAND POWER RETURN to the South Platte River, 00140000

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

GAGE.--Differential pressure recorder

PERIOD OF RECORD.--1939 - present

REMARKS.--Values furnished by the Nebraska Public Power District

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	685	1350	677
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	980	1350	521
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1150	1350	368
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1410	1350	231
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1550	1350	102
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1540	1350	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1530	1350	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1590	1340	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1540	1340	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1490	1210	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1460	1150	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70	0.00	1340	903	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1280	892	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1270	602	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1270	447	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1150	255	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	965	260	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	900	258	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	704	257	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55	713	263	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97	830	260	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99	1100	326	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	302	1150	324	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	264	1330	325	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	330	1490	408	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	205	1550	640	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100	1550	853	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112	1450	854	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	105	1410	853	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	301	1380	673	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	1370	675	---
TOTAL	0	0	0	0	0	0	0	70	1970	39127	24818	1899
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.3	65.7	1262	800.5	63.3
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70	330	1590	1350	677
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	685	255	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	139	3907	77610	49230	3767
CAL YEAR 2007	TOTAL		82887	MEAN	227.1	MAX	1580	MIN	0.000	AC-FT	164400	
WTR YEAR 2008	TOTAL		67884	MEAN	185.5	MAX	1590	MIN	0.000	AC-FT	134600	



## NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER near Keystone, 06690500

LOCATION.--SW1/4 Sec. 1-14-38 W., Keith County, Lat. 41°12'40", Long. 101°37'56", on right bank 0.2 miles downstream from diversion dam of Sutherland Reservoir supply canal and 2.3 miles southwest of Keystone.

DRAINAGE AREA.--29,300 square miles; approximately 25,800 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Datum of gage is 3,105.59 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--Periodic records 1917, 1939, 1940 - 1941, continuous record March 1942 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994. Records are good, except records below 10 cubic feet per second are variable fair to poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 20,300 cubic feet per second June 30, 1917; no flow during many years.

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,290 cubic feet per second August 4, gage height 4.98 feet; zero discharge October 1 to May 19 and September 14 to 29.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	325	1940	356
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	581	1930	360
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	699	2100	362
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	742	2230	336
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	957	2230	311
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	962	1760	284
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	888	1290	262
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	973	667	211
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1000	610	170
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1060	452	171
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1430	366	131
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1660	332	105
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1690	355	48
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1890	330	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1680	299	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1550	257	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1260	227	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	839	227	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	690	262	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	191	683	295	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192	680	298	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200	671	326	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	205	666	357	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	205	799	386	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	208	1030	404	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	215	1310	410	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	214	1410	414	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	217	1390	412	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	222	1470	410	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	276	1630	404	141
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	1720	377	---
TOTAL	0	0	0	0	0	0	0	0	2345	34335	22357	3248
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	78.2	1108	720.7	108.3
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	276	1890	2230	362
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	325	227	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4651	68100	44340	6442
CAL YEAR 2007	TOTAL		46212	MEAN	126.6	MAX	1610	MIN	0.000	AC-FT	91660	
WTR YEAR 2008	TOTAL		62285	MEAN	170.2	MAX	2230	MIN	0.000	AC-FT	123500	

NORTH PLATTE RIVER BASIN

KEITH - LINCOLN COUNTY CANAL from North Platte River, 00076000

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

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

PERIOD OF RECORD.--1918 - present

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	0.00	52	81	59
2	---	---	---	---	---	---	---	0.00	0.00	50	85	59
3	---	---	---	---	---	---	---	0.00	0.00	50	87	59
4	---	---	---	---	---	---	---	0.00	0.00	57	83	59
5	---	---	---	---	---	---	---	0.00	0.00	58	76	59
6	---	---	---	---	---	---	---	0.00	0.00	62	73	59
7	---	---	---	---	---	---	---	0.00	0.00	62	73	59
8	---	---	---	---	---	---	---	0.00	0.00	60	73	53
9	---	---	---	---	---	---	0.00	0.00	0.00	61	73	50
10	---	---	---	---	---	---	0.00	0.00	0.00	62	73	51
11	---	---	---	---	---	---	0.00	0.00	0.00	67	73	51
12	---	---	---	---	---	---	0.00	0.00	0.00	69	76	48
13	---	---	---	---	---	---	0.00	0.00	0.00	70	71	36
14	---	---	---	---	---	---	0.00	0.00	0.00	70	65	3.6
15	---	---	---	---	---	---	0.00	0.00	0.00	71	36	1.2
16	---	---	---	---	---	---	0.00	0.00	0.00	60	2.5	0.07
17	---	---	---	---	---	---	0.00	0.00	0.00	61	0.81	0.00
18	---	---	---	---	---	---	0.00	0.00	0.00	64	0.02	0.00
19	---	---	---	---	---	---	0.00	0.00	0.00	69	19	0.00
20	---	---	---	---	---	---	0.00	0.00	0.00	69	64	0.00
21	---	---	---	---	---	---	0.00	0.00	72	70	76	0.00
22	---	---	---	---	---	---	0.00	0.00	85	74	80	0.00
23	---	---	---	---	---	---	0.00	0.00	93	79	79	0.00
24	---	---	---	---	---	---	0.00	0.00	93	80	80	0.00
25	---	---	---	---	---	---	0.00	0.00	94	79	79	0.00
26	---	---	---	---	---	---	0.00	0.00	94	78	71	0.00
27	---	---	---	---	---	---	0.00	0.00	67	78	65	0.00
28	---	---	---	---	---	---	0.00	0.00	32	78	65	0.00
29	---	---	---	---	---	---	0.00	0.00	37	77	61	0.00
30	---	---	---	---	---	---	0.00	0.00	48	74	59	0.00
31	---	---	---	---	---	---	---	0.00	---	77	59	---
TOTAL	0	0	0	0	0	0	0	0	715	2088	1958.33	706.87
MEAN	---	---	---	---	---	---	0.000	0.000	23.8	67.3	63.2	23.5
MAX	---	---	---	---	---	---	0.00	0.00	94	80	87	59
MIN	---	---	---	---	---	---	0.00	0.00	0.00	50	0.02	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1418	4141	3884	1402
CAL YEAR 2007	MAX	67.0	MIN	0.000	AC-FT	9576						
WTR YEAR 2008	MAX	94.0	MIN	0.000	AC-FT	10850						

## NORTH PLATTE RIVER BASIN

## NORTH PLATTE CANAL from North Platte River, 00114000

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

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	49	56	135	243	170
2	---	---	---	---	---	---	---	49	62	179	240	177
3	---	---	---	---	---	---	---	49	61	188	232	178
4	---	---	---	---	---	---	---	49	61	193	216	180
5	---	---	---	---	---	---	---	49	75	188	198	168
6	---	---	---	---	---	---	---	49	84	241	180	140
7	---	---	---	---	---	---	---	55	81	242	174	118
8	---	---	---	---	---	---	0.00	54	73	247	175	107
9	---	---	---	---	---	---	0.00	54	53	260	196	95
10	---	---	---	---	---	---	0.00	55	21	267	205	96
11	---	---	---	---	---	---	0.00	55	11	269	202	86
12	---	---	---	---	---	---	0.00	55	0.00	261	209	74
13	---	---	---	---	---	---	0.00	55	0.00	255	213	74
14	---	---	---	---	---	---	0.00	59	0.00	250	175	72
15	---	---	---	---	---	---	0.00	59	0.00	252	144	45
16	---	---	---	---	---	---	0.00	58	0.00	234	129	0.00
17	---	---	---	---	---	---	0.00	56	0.00	238	112	0.00
18	---	---	---	---	---	---	0.00	55	11	241	111	0.00
19	---	---	---	---	---	---	0.00	55	55	243	110	0.00
20	---	---	---	---	---	---	0.00	54	55	239	111	0.00
21	---	---	---	---	---	---	0.00	54	71	253	130	0.00
22	---	---	---	---	---	---	0.00	59	96	251	160	0.00
23	---	---	---	---	---	---	0.00	67	97	250	190	0.00
24	---	---	---	---	---	---	0.00	60	103	251	203	0.00
25	---	---	---	---	---	---	0.00	55	118	239	203	0.00
26	---	---	---	---	---	---	5.2	54	117	230	217	0.00
27	---	---	---	---	---	---	54	54	116	230	227	0.00
28	---	---	---	---	---	---	51	54	117	233	217	0.00
29	---	---	---	---	---	---	49	54	124	236	197	0.00
30	---	---	---	---	---	---	49	52	126	248	187	0.00
31	---	---	---	---	---	---	---	50	---	249	183	---
TOTAL	0	0	0	0	0	0	208.2	1686	1844	7292	5689	1780
MEAN	---	---	---	---	---	---	9.1	54.4	61.5	235.3	183.5	59.4
MAX	---	---	---	---	---	---	54	67	126	269	243	180
MIN	---	---	---	---	---	---	0.00	49	0.00	135	110	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	413	3344	3658	14460	11280	3531
CAL YEAR 2007	MAX	247.0	MIN	0.000	AC-FT	31010						
WTR YEAR 2008	MAX	269.0	MIN	0.000	AC-FT	36690						

PAXTON-HERSHEY CANAL from North Platte River, 00121000

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	13	48	98	64
2	---	---	---	---	---	---	---	0.00	6.9	53	98	67
3	---	---	---	---	---	---	---	0.00	7.7	67	97	68
4	---	---	---	---	---	---	---	0.00	6.1	80	95	68
5	---	---	---	---	---	---	---	0.00	30	90	92	63
6	---	---	---	---	---	---	---	0.00	29	97	93	52
7	---	---	---	---	---	---	---	0.00	24	98	90	37
8	---	---	---	---	---	---	---	0.00	16	96	89	28
9	---	---	---	---	---	---	0.00	0.00	21	95	92	29
10	---	---	---	---	---	---	0.00	0.00	28	94	92	29
11	---	---	---	---	---	---	0.00	0.00	23	94	91	28
12	---	---	---	---	---	---	0.00	0.00	23	94	89	26
13	---	---	---	---	---	---	0.00	0.00	23	88	92	23
14	---	---	---	---	---	---	0.00	0.00	23	86	82	21
15	---	---	---	---	---	---	0.00	0.00	22	90	73	17
16	---	---	---	---	---	---	0.00	0.00	22	88	74	6.5
17	---	---	---	---	---	---	0.00	0.00	21	86	73	3.2
18	---	---	---	---	---	---	0.00	0.00	17	85	72	5.8
19	---	---	---	---	---	---	0.00	0.00	8.0	84	71	6.9
20	---	---	---	---	---	---	0.00	1.4	10	90	67	5.1
21	---	---	---	---	---	---	0.00	5.2	17	93	63	8.1
22	---	---	---	---	---	---	0.00	6.8	38	97	61	8.6
23	---	---	---	---	---	---	0.00	16	47	97	67	5.5
24	---	---	---	---	---	---	0.00	0.00	53	96	81	0.00
25	---	---	---	---	---	---	0.00	0.00	49	97	95	0.00
26	---	---	---	---	---	---	0.00	0.00	48	97	99	0.00
27	---	---	---	---	---	---	0.00	4.2	48	97	98	0.00
28	---	---	---	---	---	---	0.00	18	45	97	94	0.00
29	---	---	---	---	---	---	0.00	17	46	100	89	0.00
30	---	---	---	---	---	---	0.00	15	37	100	79	0.00
31	---	---	---	---	---	---	---	14	---	100	68	---
TOTAL	0	0	0	0	0	0	0	97.6	801.7	2774	2614	669.7
MEAN	---	---	---	---	---	---	0.000	3.1	26.8	89.5	84.3	22.3
MAX	---	---	---	---	---	---	0.00	18	53	100	99	68
MIN	---	---	---	---	---	---	0.00	0.00	6.1	48	61	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194	1590	5502	5185	1328
CAL YEAR 2007	MAX	87.0	MIN	0.000	AC-FT	10830						
WTR YEAR 2008	MAX	100.0	MIN	0.000	AC-FT	13800						

## NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER near Sutherland, 06691000

LOCATION.--SW1/4SW1/4 Sec. 4-14-33 W., Lincoln County, Lat. 41° 12' 37", Long. 101° 06' 53", on right bank 200 feet south and 75 feet west of right end of bridge on county road, 2.5 miles upstream from Birdwood Creek and 3.5 miles north of Sutherland.

GAGE.--Continuous stage recorder. Elevation of gage 2,920 feet, from topographic map, Hershey West Quadrangle, 7.5 minute series.

PERIOD OF RECORD.--1917, 1931 - 1933, 1935, Irrigation season only, 1936 - 1992, all year record, 1993 - 1998, May - September partial year record. All year record October 1999 - present.

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 20,300 cubic feet per second June 29, 1917, from discharge graph based on daily gage readings, from rating curve extended above 16,000 cubic feet per second; no flow July 24 - 28, 30, 31, 1931, August 7, 1934, July 20 - 28, 1940.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 2,320 cubic feet per second August 6, gage height 5.68 feet; minimum daily flow 30 cubic feet per second June 30 & July 2.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	93	109	103	110e	115e	110	104	138	43	39	1360	130
2	101	111	122	110e	120e	116	102	138	37	30	1630	111
3	98	109	103	110e	120e	110	116	125	35	172	1800	116
4	117	114	109	110e	123e	110	117	129	33	265	1930	119
5	134	115	113	110e	125e	108	109	129	77	352	2070	150
6	188	108	111	110e	125e	105	105	129	113	468	2120	218
7	184	117	111	106	125e	104	103	130	59	535	1680	216
8	131	122	115e	104	115e	104	116	129	43	495	1140	219
9	126	117	115e	104	115e	104	117	137	37	573	656	186
10	120	118	115e	101	115e	105	155	190	57	567	475	143
11	116	121	115e	101	110e	109	172	169	74	620	266	234
12	117	121	110e	97	110e	115	187	160	67	881	138	175
13	124	122	110e	96	110e	110	168	151	65	1140	64	182
14	142	115	110e	95	105e	109	151	74	66	1280	162	125
15	162	106	110e	96	105e	105	142	62	69	1460	153	108
16	149	117	110e	101	105e	104	138	58	71	1670	218	143
17	139	119	110e	100e	100e	115	131	58	72	1450	181	140
18	138	125	105e	100e	100e	116	119	54	69	1070	159	132
19	122	127	105e	105e	100e	116	118	54	41	664	148	116
20	124	119	105e	105e	100e	114	115	44	38	477	123	119
21	116	113	105e	105e	100e	113	107	42	38	391	107	125
22	110	104	105e	105e	100e	111	100	43	43	361	63	125
23	117	102	105e	110e	100e	108	104	70	43	345	49	129
24	123	104	105e	110e	105e	108	120	126	56	336	45	119
25	121	112	105e	110e	105e	106	215	105	47	460	59	118
26	114	111	105e	110e	105e	102	171	81	46	650	54	118
27	114	110	110e	115e	105e	103	157	74	44	865	64	115
28	111	109	110e	115e	104	102	157	59	41	960	79	106
29	113	103	110e	115e	108	104	147	57	40	1010	105	99
30	117	99	110e	115e	---	105	136	50	30	1070	127	101
31	111	---	110e	115e	---	104	---	44	---	1250	149	---
TOTAL	3892	3399	3387	3296	3175	3355	3999	3009	1594	21906	17374	4237
MEAN	125.5	113.3	109.2	106.4	109.5	108.3	133.3	97.1	53.2	706.4	560.3	141.2
MAX	188	127	122	115	125	116	215	190	113	1670	2120	234
MIN	93	99	103	95	100	102	100	42	30	30	45	99
AC-FT	7720	6742	6718	6538	6298	6655	7932	5968	3162	43450	34460	8404
CAL YEAR 2007	TOTAL		61022	MEAN	167.2	MAX	1460	MIN	19.0	AC-FT	121000	
WTR YEAR 2008	TOTAL		72623	MEAN	198.4	MAX	2120	MIN	30.0	AC-FT	144000	

e indicates estimated discharge.

BIRDWOOD CANAL from Birdwood Creek, 00016000

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

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.2	---	---	---	---	---	---	0.00	11	33	33	37
2	7.8	---	---	---	---	---	---	0.00	11	34	32	43
3	6.5	---	---	---	---	---	0.00	0.00	12	33	31	44
4	5.7	---	---	---	---	---	0.00	0.00	12	26	26	44
5	13	---	---	---	---	---	0.00	0.00	16	17	15	46
6	17	---	---	---	---	---	0.00	0.00	18	14	16	48
7	17	---	---	---	---	---	0.00	0.00	11	28	27	40
8	18	---	---	---	---	---	0.00	0.00	9.9	25	36	20
9	18	---	---	---	---	---	0.00	14	9.3	24	43	5.5
10	19	---	---	---	---	---	0.00	22	8.8	25	44	6.1
11	19	---	---	---	---	---	0.00	20	8.4	25	33	11
12	17	---	---	---	---	---	0.00	20	8.1	28	33	10
13	17	---	---	---	---	---	0.00	20	9.5	30	34	11
14	19	---	---	---	---	---	0.00	19	12	31	24	9.9
15	16	---	---	---	---	---	0.00	21	11	32	13	9.1
16	11	---	---	---	---	---	0.00	21	11	31	12	9.3
17	18	---	---	---	---	---	0.00	21	12	25	10.0	9.7
18	23	---	---	---	---	---	0.00	21	12	27	9.9	11
19	23	---	---	---	---	---	0.00	21	12	30	14	13
20	14	---	---	---	---	---	0.00	21	11	31	22	14
21	10	---	---	---	---	---	0.00	20	11	38	23	13
22	12	---	---	---	---	---	0.00	19	14	36	26	11
23	7.5	---	---	---	---	---	0.00	15	23	34	27	11
24	0.00	---	---	---	---	---	0.00	16	27	32	24	11
25	---	---	---	---	---	---	0.00	13	26	31	21	11
26	---	---	---	---	---	---	0.00	12	21	31	25	12
27	---	---	---	---	---	---	0.00	12	19	32	22	12
28	---	---	---	---	---	---	0.00	11	23	34	26	12
29	---	---	---	---	---	---	0.00	11	26	34	29	13
30	---	---	---	---	---	---	0.00	11	30	34	31	13
31	---	---	---	---	---	---	---	11	---	33	32	---
TOTAL	337.7	0	0	0	0	0	0	392	446	918	793.9	560.6
MEAN	14.0	---	---	---	---	---	0.000	12.6	14.9	29.6	25.6	18.6
MAX	23	---	---	---	---	---	0.00	22	30	38	44	48
MIN	0.00	---	---	---	---	---	0.00	0.00	8.1	14	9.9	5.5
AC-FT	670	0.00	0.00	0.00	0.00	0.00	0.00	778	885	1821	1575	1112
CAL YEAR 2007	MAX		39.0	MIN	0.000	AC-FT	6157					
WTR YEAR 2008	MAX		48.0	MIN	0.000	AC-FT	6839					

## NORTH PLATTE RIVER BASIN

## BIRDWOOD CREEK near Hershey, 06692000

LOCATION.--NE1/4NW1/4 Sec. 2-14-33 W., Lincoln County, Lat. 41° 13' 20", Long. 101° 04' 12"

GAGE.--Continuous stage recorder

PERIOD OF RECORD.-- May - September partial year record 1994 - 1999, full time operation May 1931 - 1993, 2000 - present. Records are good, except estimated records are poor.

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharge 278 cubic feet per second June 6, gage height 2.29 feet; minimum daily discharge 102 cubic feet per second July 3 &amp; 4, &amp; September 4.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	134	170	183	155e	155e	171	163	191	149	106	111	109
2	136	175	181	155e	153	170	162	194	148	105	111	108
3	135	163	176	155e	154	156	169	192	147	105	112	106
4	137	170	182	155e	158	158	174	196	147	132	137	105
5	131	176	183	155e	151	157	169	197	184	134	137	112
6	125	169	182	150e	155	154	167	185	226	126	135	124
7	123	177	185	150e	159	154	165	189	161	156	122	121
8	122	184	179	150e	161	158	170	185	152	148	112	129
9	122	177	182	150e	159	159	174	172	147	134	115	137
10	122	179	175	148	154	157	192	206	147	130	114	134
11	124	187	182	151	157	163	188	180	146	127	120	152
12	127	190	167	150	161	163	187	168	144	118	128	140
13	130	193	166	151	162	162	173	164	140	114	119	149
14	142	192	177	150	160	164	173	159	138	114	149	133
15	156	182	172	150	162	160	167	157	140	117	150	127
16	145	184	168	146	162	156	168	155	145	118	153	128
17	138	194	168	152	164	162	168	150	145	123	141	127
18	138	192	171	150	158	165	168	149	149	122	140	126
19	133	190	172	150e	158	164	170	147	150	114	134	122
20	142	187	170	150e	155	160	171	146	146	116	124	122
21	144	178	174	150e	153	163	169	146	140	112	125	124
22	140	183	164	150e	163	159	169	158	133	114	127	131
23	149	185	161	150e	165	158	170	189	123	114	122	130
24	161	183	166	150e	167	160	177	186	127	117	122	129
25	164	183	168	150e	168	160	207	163	127	121	125	129
26	165	187	165	155e	159	162	190	153	124	120	133	130
27	167	183	160e	155e	162	161	180	156	125	116	123	130
28	171	189	160e	155e	169	160	176	152	115	115	119	129
29	175	182	160e	155e	171	157	181	154	107	118	117	127
30	178	181	160e	155e	---	161	191	151	106	116	112	128
31	178	---	155e	155e	---	164	---	147	---	113	109	---
TOTAL	4454	5465	5314	4703	4635	4978	5248	5237	4278	3735	3898	3798
MEAN	143.7	182.2	171.4	151.7	159.8	160.7	175.0	169.0	142.6	120.5	125.8	126.5
MAX	178	194	185	155	171	171	207	206	226	156	153	152
MIN	122	163	155	146	151	154	162	146	106	105	109	105
AC-FT	8834	10840	10540	9328	9193	9874	10410	10390	8485	7408	7732	7533
CAL YEAR 2007	TOTAL		57335	MEAN	157.1	MAX	313.0	MIN	102.0	AC-FT	113700	
WTR YEAR 2008	TOTAL		55743	MEAN	152.3	MAX	226.0	MIN	105.0	AC-FT	110600	

e indicates estimated discharge.

NORTH PLATTE RIVER BASIN

SUBURBAN CANAL from North Platte River, 00136000

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	0.00	26	60	90	93
2	0.00	---	---	---	---	---	0.00	0.00	26	65	90	92
3	0.00	---	---	---	---	---	0.00	0.00	26	68	85	94
4	0.00	---	---	---	---	---	0.00	0.00	27	75	82	92
5	0.00	---	---	---	---	---	0.00	0.00	28	76	84	94
6	0.00	---	---	---	---	---	0.00	0.00	27	83	81	82
7	0.00	---	---	---	---	---	0.00	0.00	13	77	72	65
8	0.00	---	---	---	---	---	0.00	0.00	16	79	68	53
9	0.00	---	---	---	---	---	0.00	0.00	12	83	76	56
10	0.00	---	---	---	---	---	0.00	0.00	26	82	74	45
11	0.00	---	---	---	---	---	0.00	0.00	61	82	87	55
12	0.00	---	---	---	---	---	0.00	0.00	33	85	100	23
13	0.00	---	---	---	---	---	0.00	0.00	31	85	94	28
14	0.00	---	---	---	---	---	0.00	0.00	32	83	101	10
15	0.00	---	---	---	---	---	0.00	0.00	31	84	91	31
16	0.00	---	---	---	---	---	0.00	0.00	31	100	75	60
17	0.00	---	---	---	---	---	0.00	0.00	31	105	74	50
18	0.00	---	---	---	---	---	0.00	0.00	20	103	73	28
19	0.00	---	---	---	---	---	0.00	15	5.1	101	72	23
20	0.00	---	---	---	---	---	0.00	29	5.3	102	70	22
21	0.00	---	---	---	---	---	0.00	57	6.2	104	69	21
22	0.00	---	---	---	---	---	0.00	83	6.3	105	64	26
23	0.00	---	---	---	---	---	0.00	42	6.0	103	77	24
24	0.00	---	---	---	---	---	0.00	30	7.1	105	103	22
25	---	---	---	---	---	---	0.00	28	6.6	108	98	22
26	---	---	---	---	---	---	0.00	28	22	110	95	22
27	---	---	---	---	---	---	0.00	27	40	110	84	20
28	---	---	---	---	---	---	0.00	27	40	109	80	18
29	---	---	---	---	---	---	0.00	26	49	107	79	16
30	---	---	---	---	---	---	0.00	26	55	107	78	13
31	---	---	---	---	---	---	---	26	---	99	82	---
TOTAL	0	0	0	0	0	0	0	444	745.6	2845	2548	1300
MEAN	0.000	---	---	---	---	---	0.000	14.3	24.9	91.8	82.1	43.3
MAX	0.00	---	---	---	---	---	0.00	83	61	110	103	94
MIN	0.00	---	---	---	---	---	0.00	0.00	5.1	60	64	10
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	881	1479	5643	5054	2579
CAL YEAR 2007	MAX		98.0	MIN	0.000	AC-FT	15170					
WTR YEAR 2008	MAX		110.0	MIN	0.000	AC-FT	15630					



## NORTH PLATTE RIVER BASIN

## CODY-DILLON CANAL from North Platte River, 00027000

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

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12	---	---	---	---	---	---	0.00	0.00	22	23	32
2	12	---	---	---	---	---	0.00	0.00	0.00	28	25	28
3	12	---	---	---	---	---	0.00	0.00	0.00	26	27	26
4	12	---	---	---	---	---	0.00	0.00	0.00	33	30	0.06
5	13	---	---	---	---	---	0.00	0.00	0.00	36	29	19
6	11	---	---	---	---	---	0.00	0.00	0.00	36	34	16
7	11	---	---	---	---	---	0.00	0.00	0.00	19	34	11
8	9.4	---	---	---	---	---	0.00	0.00	0.00	22	23	7.4
9	7.9	---	---	---	---	---	0.00	0.00	0.00	34	19	0.00
10	7.0	---	---	---	---	---	0.00	0.00	0.00	39	20	0.00
11	7.3	---	---	---	---	---	0.00	0.00	2.0	37	16	1.6
12	8.2	---	---	---	---	---	0.00	0.00	2.7	35	4.2	2.1
13	9.6	---	---	---	---	---	0.00	0.00	2.5	31	1.2	2.4
14	12	---	---	---	---	---	0.00	0.00	3.1	31	8.4	2.3
15	13	---	---	---	---	---	0.00	0.00	3.7	22	15	0.00
16	2.6	---	---	---	---	---	0.00	0.00	4.5	13	11	0.00
17	0.00	---	---	---	---	---	0.00	0.00	5.0	11	11	0.00
18	0.00	---	---	---	---	---	0.00	0.00	6.5	11	7.2	1.0
19	0.00	---	---	---	---	---	0.00	0.00	5.4	11	4.9	1.2
20	0.00	---	---	---	---	---	0.00	0.00	4.1	11	2.5	1.5
21	0.00	---	---	---	---	---	0.00	0.00	3.3	8.1	0.00	1.6
22	0.00	---	---	---	---	---	0.00	0.00	3.6	15	0.00	1.4
23	0.00	---	---	---	---	---	0.00	0.00	7.0	22	0.00	1.7
24	0.00	---	---	---	---	---	0.00	0.00	14	24	0.00	2.1
25	---	---	---	---	---	---	0.00	0.00	13	28	17	2.1
26	---	---	---	---	---	---	0.00	0.00	9.5	33	16	1.5
27	---	---	---	---	---	---	0.00	0.00	11	28	21	0.00
28	---	---	---	---	---	---	0.00	0.00	11	21	25	0.00
29	---	---	---	---	---	---	0.00	0.00	9.5	15	26	1.7
30	---	---	---	---	---	---	0.00	0.00	12	21	29	3.3
31	---	---	---	---	---	---	---	0.00	---	22	31	---
TOTAL	160	0	0	0	0	0	0	0	133.4	745.1	510.4	166.96
MEAN	6.7	---	---	---	---	---	0.000	0.000	4.4	24.1	16.5	5.5
MAX	13	---	---	---	---	---	0.00	0.00	14	39	34	32
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	8.1	0.00	0.00
AC-FT	317	0.00	0.00	0.00	0.00	0.00	0.00	0.00	265	1478	1012	331
CAL YEAR 2007	MAX		41.0	MIN	0.000	AC-FT	3411					
WTR YEAR 2008	MAX		39.0	MIN	0.000	AC-FT	3403					

NORTH PLATTE RIVER BASIN

LINCOLN COUNTY DRAIN NO. 1 at North Platte, 06692500

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--Partial year record 1993 - 1999. Continuous record 1931 - 1932, 1955 - 1992, 2000 - present

REMARKS.--Published by U. S. Geological Survey up to October 1, 1979. Records are good, except estimated records are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharge 148 cubic feet per second August 14, gage height 2.26 feet; minimum daily discharge 20 cubic feet per second April 19 - 24.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	51	33	28	21	21	17	17	19	35	46	57	102
2	49	32	28	21	21	17	18	19	40	49	63	90
3	48	32	27	21	21	17	19	19	42	54	67	90
4	47	32	27	21	21	17	18	19	34	42	76	97
5	47	32	27	21	21	17	17	19	39	43	74	117
6	45	32	27	21	21	17	17	19	53	43	75	128
7	44	32	27	21	21	17	17	20	49	49	76	112
8	43	32	27	21	21	17	17	20	44	44	70	105
9	42	31	26	21	20	17	17	20	44	32	80	95
10	42	31	26	21	20	17	18	23	42	29	86	94
11	41	31	26	22	20	17	18	21	37	31	71	98
12	41	30	25	22	20	17	17	22	38	41	60	93
13	40	31	25	22	20	17	17	22	36	49	64	102
14	40	30	26	22	20	17	17	23	36	51	107	98
15	40	30	25	22	19	17	17	36	37	47	116	101
16	40	30	24	22	19	17	17	36	38	42	126	74
17	39	30	25	22	19	17	17	33	39	40	111	64
18	38	30	25	22	19	17	17	30	41	51	103	67
19	38	30	25	22	19	17	16	28	42	52	97	64
20	37	30	25	22	18	17	16	27	46	48	92	63
21	36	30	25	21	18	17	16	26	43	55	85	62
22	36	29	24	22e	18	17	16	30	61	61	87	60
23	35	29	24	22	18	17	16	45	65	54	79	59
24	35	29	24	21	18	17	16	44	66	54	79	60
25	35	29	24	21	18	17	20	39	66	65	80	61
26	35	29	23	20	18	17	20	36	57	66	74	60
27	34	29	23	20	18	18	19	41	70	61	83	59
28	34	29	23	21	18	18	18	42	74	53	79	58
29	34	28	22	20	17	18	18	42	74	45	79	57
30	33	28	23	20	---	18	19	36	68	49	78	55
31	33	---	22	20	---	18	---	35	---	52	88	---
TOTAL	1232	910	778	658	562	532	522	891	1456	1498	2562	2445
MEAN	39.8	30.3	25.0	21.3	19.4	17.2	17.4	28.8	48.6	48.3	82.7	81.5
MAX	51	33	28	22	21	18	20	45	74	66	126	128
MIN	33	28	22	20	17	17	16	19	34	29	57	55
AC-FT	2444	1805	1543	1305	1115	1055	1035	1767	2888	2971	5082	4850

CAL YEAR 2007	TOTAL	16194	MEAN	44.4	MAX	103.0	MIN	20.0	AC-FT	32120
WTR YEAR 2008	TOTAL	14046	MEAN	38.4	MAX	128.0	MIN	16.0	AC-FT	27860

e indicates estimated discharge.

## NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER at North Platte, 06693000

LOCATION.--Sec. 28-14-30 W., Lincoln County, Lat. 41° 09' 13", Long. 100° 45' 16", on right bank 150 feet downstream from bridge on U.S. Highway 83, 0.5 mile north of North Platte and 4.5 miles upstream from confluence with South Platte River.

DRAINAGE AREA.--30,900 square miles, approximately 26,300 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum 2,792.14 feet above sea level.

PERIOD OF RECORD.--February 1895 - present, Monthly discharge only for some periods published by USGS in WSP 1310.

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 29,600 cubic feet per second June 11, 1909. Minimum daily discharge 20 cubic feet per second September 20, 1904. Minimum daily since 1943, 97 cubic feet per second June 16, 1959.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,870 cubic feet per second August 7, gage height 6.21 feet; minimum daily discharge 163 cubic feet per second July 2.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	207	319	300	344	305e	300	334	347	221	164	1160	318
2	207	324	317	452	305e	309	325	354	220	163	1290	295
3	202	333	322	437	305e	318	342	364	233	169	1410	289
4	192	325	296	372	305e	311	355	336	219	265	1530	302
5	184	313	306	385	305e	297	345	328	258	314	1660	338
6	173	306	307	393	305e	283	327	320	414	359	1800	391
7	197	300	303	385	300e	291	327	324	381	473	1850	430
8	186	304	290e	368	300e	297	349	331	291	495	1600	421
9	220	301	290e	355	300e	296	356	336	268	476	1050	415
10	220e	308	290e	351	300e	301	407	383	265	508	654	382
11	250e	313	290e	340	300e	309	444	423	230	505	492	408
12	250e	309	290e	334	295e	310	449	375	236	606	359	430
13	250e	302	290e	327	295e	310	423	338	226	858	307	439
14	270e	289	285e	331	295e	308	384	321	213	1070	370	412
15	280e	283	285e	323	295e	319	362	284	211	1160	443	362
16	290e	278	285e	315e	295e	319	338	263	220	1310	441	322
17	290e	281	285e	315e	310	326	339	254	226	1370	442	334
18	297	283	285e	315e	303	308	333	240	249	1180	418	356
19	291	294	285e	315e	301	314	316	229	255	869	403	354
20	293	284	285e	315e	290	317	313	201	240	588	374	352
21	313	296	285	315e	304	320	308	199	225	497	341	352
22	307	308	274	315e	291	316	307	192	229	456	318	347
23	325	311	317	315e	292	322	311	250	232	436	282	320
24	336	317	267	315e	303	314	323	331	255	425	243	315
25	330	320	286	315e	309	301	452	315	251	466	246	318
26	328	310	280	310e	307	302	493	260	229	596	244	323
27	332	296	305	310e	299	304	436	253	219	735	255	327
28	330	283	292	310e	295	303	398	259	226	907	261	322
29	332	276	343	310e	291	313	376	246	213	938	276	315
30	335	273	372	310e	---	323	360	239	190	980	297	314
31	325	---	320	310e	---	332	---	223	---	1050	314	---
TOTAL	8342	9039	9227	10507	8700	9593	10932	9118	7345	20388	21130	10603
MEAN	269.1	301.2	297.6	338.9	300.0	309.5	364.4	294.1	244.8	657.8	681.2	353.5
MAX	336	333	372	452	310	332	493	423	414	1370	1850	439
MIN	173	273	267	310	290	283	307	192	190	163	243	289
AC-FT	16550	17930	18300	20840	17260	19030	21680	18090	14570	40440	41910	21030
CAL YEAR 2007	TOTAL		143649	MEAN	393.6	MAX	1450	MIN	173.0	AC-FT	284900	
WTR YEAR 2008	TOTAL		134924	MEAN	368.6	MAX	1850	MIN	163.0	AC-FT	267600	

e indicates estimated discharge.

LOGGEPOLLE CREEK above Oliver Reservoir, 00219500

LOCATION.--NE1/4NE1/4 Sec. 33-15-57 W., Kimball County, Lat 41° 13' 43", Long. 103° 48' 03", on the left bank approximately two miles southeast of Bushnell and 1.5 miles west of Oliver Reservoir.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--Oct. 1931 - 1992, monthly discharges only for some periods, 1993 - present, May - September. Station moved to present site in 1994. Previously station was located two miles upstream on Highway 53c and referred to as "at Bushnell". Called "at Tomich Ranch" from 1994 - 1996.

REMARKS.--Published using the U. S. Geological Survey number 06762500 from 1992 to 2002. Published by U.S.G.S. up to Oct. 1, 1991 and restarted in 2003 at the Highway 53c site at Bushnell, station number 06762500.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	2.1	1.6	1.4	1.3	0.85	1.9
2	---	---	---	---	---	---	2.2	1.5	1.3	1.3	0.76	1.9
3	---	---	---	---	---	---	2.2	1.6	1.3	1.4	0.75	2.0
4	---	---	---	---	---	---	2.1	1.6	1.5	1.3	0.85	2.1
5	---	---	---	---	---	---	2.2	1.6	1.5	1.2	0.86	2.3
6	---	---	---	---	---	---	2.0	1.4	1.4	1.2	0.83	2.5
7	---	---	---	---	---	---	2.0	1.4	1.4	1.2	0.80	2.4
8	---	---	---	---	---	---	2.0	1.8	1.4	1.1	0.86	2.4
9	---	---	---	---	---	---	2.0	2.2	1.5	1.1	0.89	2.5
10	---	---	---	---	---	---	2.0	2.2	1.6	1.1	0.98	2.4
11	---	---	---	---	---	---	1.3	2.3	1.4	0.95	0.98	2.1
12	---	---	---	---	---	---	1.1	2.1	1.4	0.61	0.96	2.2
13	---	---	---	---	---	---	1.0	2.1	1.4	0.77	0.88	2.0
14	---	---	---	---	---	---	1.2	2.1	1.2	0.96	0.90	1.9
15	---	---	---	---	---	---	1.2	2.0	1.3	0.84	1.3	1.9
16	---	---	---	---	---	---	1.0	2.0	1.4	0.78	1.5	1.8
17	---	---	---	---	---	---	1.1	2.3	1.3	0.73	1.0	1.8
18	---	---	---	---	---	---	1.1	2.4	1.3	0.68	1.0	1.8
19	---	---	---	---	---	---	1.1	2.3	1.3	0.69	1.0	1.7
20	---	---	---	---	---	1.9	1.0	2.2	1.4	0.65	1.1	1.7
21	---	---	---	---	---	2.0	1.3	1.8	1.4	0.66	1.0	1.7
22	---	---	---	---	---	2.0	1.9	1.7	1.3	0.65	1.2	1.7
23	---	---	---	---	---	2.0	1.9	1.8	1.4	0.69	1.4	1.7
24	---	---	---	---	---	2.1	1.8	1.9	1.4	0.78	1.4	1.7
25	---	---	---	---	---	2.1	1.7	1.8	1.4	0.88	1.5	1.7
26	---	---	---	---	---	2.1	1.6	1.9	1.3	1.1	1.5	1.6
27	---	---	---	---	---	2.1	1.6	2.1	1.3	0.94	1.5	1.8
28	---	---	---	---	---	2.0	1.6	2.2	1.2	0.94	1.5	1.8
29	---	---	---	---	---	2.1	1.6	2.7	1.2	1.0	1.7	1.8
30	---	---	---	---	---	2.1	1.6	2.1	1.2	1.1	1.8	1.8
31	---	---	---	---	---	2.2	---	1.4	---	0.99	1.9	---
TOTAL	0	0	0	0	0	24.7	48.5	60.1	40.8	29.59	35.45	58.6
MEAN	---	---	---	---	---	2.1	1.6	1.9	1.4	0.95	1.1	2.0
MAX	---	---	---	---	---	2.2	2.2	2.7	1.6	1.4	1.9	2.5
MIN	---	---	---	---	---	1.9	1.0	1.4	1.2	0.61	0.75	1.6
AC-FT	0.00	0.00	0.00	0.00	0.00	49	96	119	81	59	70	116
CAL YEAR 2007	MAX	2.3	MIN	1.4	AC-FT	574						
WTR YEAR 2008	MAX	2.7	MIN	0.61	AC-FT	591						



LOGGEPOLLE CREEK at Ralton, 06763500

LOCATION.--NE1/4NW1/4 Sec. 12-12-45 W., Deuel County, Lat. 41° 02' 01", Long. 102° 24' 18", on right bank 2.1 miles upstream of the CO-NE State line on Nebraska Highway 23, 5.5 miles southeast of Chappell, NE on Nebraska Highway 23.

DRAINAGE AREA.--Approximately 3,307 square miles.

GAGE.--Continuous stage recorder. Datum of gage is 3,590 feet, from topographic map.

PERIOD OF RECORD.--March to September 1931, June 1951 to September 1979 (discontinued), October 2001 - present.

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1979. Records of discharge are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 4,560 cubic feet per second August 15, 1968, gage height 6.49 feet from rating curve extended above 1,200 cubic feet per second on basis of slope-area measurement of peak flow; minimum daily discharge of no flow many years since 1931.

EXTREMES FOR CURRENT YEAR.--Zero discharge all year.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAL YEAR 2007	TOTAL		0	MEAN	0.000	MAX	0.000	MIN	0.000	AC-FT		0.00
WTR YEAR 2008	TOTAL		0	MEAN	0.000	MAX	0.000	MIN	0.000	AC-FT		0.00

## SOUTH PLATTE RIVER BASIN

## WESTERN CANAL from South Platte River, 00147000

LOCATION.--NE1/4NW1/4 Sec. 13-12-43 W. near Julesburg, CO

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1918 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	112	87	43	34	61
2	0.00	---	---	---	---	---	---	116	88	42	37	57
3	0.00	---	---	---	---	---	---	82	90	33	32	52
4	0.00	---	---	---	---	---	---	44	92	22	30	49
5	0.00	---	---	---	---	---	---	48	79	17	35	47
6	0.00	---	---	---	---	---	---	46	61	18	29	49
7	0.00	---	---	---	---	---	---	28	61	20	28	51
8	0.00	---	---	---	---	---	0.00	22	73	15	30	51
9	0.00	---	---	---	---	---	0.00	43	95	19	36	55
10	0.00	---	---	---	---	---	0.00	68	76	8.8	33	68
11	0.00	---	---	---	---	---	0.00	61	70	11	38	67
12	0.00	---	---	---	---	---	0.00	47	74	17	45	46
13	---	---	---	---	---	---	0.00	51	89	22	45	20
14	---	---	---	---	---	---	0.00	51	87	24	46	22
15	---	---	---	---	---	---	0.00	64	82	23	61	32
16	---	---	---	---	---	---	0.00	58	85	17	102	24
17	---	---	---	---	---	---	0.00	54	87	40	96	4.7
18	---	---	---	---	---	---	81	53	86	66	102	11
19	---	---	---	---	---	---	17	53	89	60	113	23
20	---	---	---	---	---	---	7.1	50	81	53	117	26
21	---	---	---	---	---	---	11	53	68	44	110	33
22	---	---	---	---	---	---	103	125	55	37	107	37
23	---	---	---	---	---	---	101	0.00	47	31	106	35
24	---	---	---	---	---	---	105	0.00	42	46	106	29
25	---	---	---	---	---	---	105	0.00	47	31	93	33
26	---	---	---	---	---	---	112	0.00	54	58	86	34
27	---	---	---	---	---	---	122	0.00	51	42	74	32
28	---	---	---	---	---	---	118	0.00	47	38	67	32
29	---	---	---	---	---	---	109	0.00	45	48	63	31
30	---	---	---	---	---	---	113	75	44	46	63	30
31	---	---	---	---	---	---	---	83	---	37	61	---
TOTAL	0	0	0	0	0	0	1104.1	1487	2132	1028.8	2025	1141.7
MEAN	0.000	---	---	---	---	---	48.0	48.0	71.2	33.2	65.3	38.1
MAX	0.00	---	---	---	---	---	122	125	95	66	117	68
MIN	0.00	---	---	---	---	---	0.00	0.00	42	8.8	28	4.7
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	2190	2949	4229	2041	4017	2265
CAL YEAR 2007	MAX	89.0	MIN	0.000	AC-FT	11520						
WTR YEAR 2008	MAX	125.0	MIN	0.000	AC-FT	17690						

**SOUTH PLATTE RIVER at North Platte, 06765500**

LOCATION.--NE1/4NE1/4 Sec. 8-13-30 W., Lincoln County, Lat. 41° 07' 05", Long. 100° 46' 22", on left bank 0.5 mile upstream of bridge on U.S. Highway 83, 5.5 miles upstream from confluence with North Platte River.

DRAINAGE AREA.--Approximately 24,300 square miles.

GAGE.--Continuous stage recorder. Datum of gage is 2,787.73 feet above mean sea level of datum established by City of North Platte Engineer in 1928.

PERIOD OF RECORD.--May 1917 - present, periodic record June 1897 - September 1915. Monthly discharge only for some periods published by USGS in WSP 1310.

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 37,100 cubic feet per second observed June 3, 1935, gage height 14.02 feet; minimum daily discharge 35 cubic feet per second January 4, 1949.

EXTREMES FOR CURRENT YEAR.--Peak discharge 416 cubic feet per second June 5, gage height 6.27 feet; minimum daily discharge 76 cubic feet per second September 29.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	150e	155	147	166	250	201	178	181	183	160	118	133
2	150e	150	159	160	208	187	171	195	178	152	121	124
3	150e	138	159	160e	184	188	187	191	196	134	125	100
4	155e	139	176	170e	172	189	180	174	192	129	137	99
5	155e	148	184	176	170	179	197	174	266	120	147	114
6	155e	144	189	186	158	169	214	194	351	115	146	153
7	155e	153	196	196	174	162	215	188	302	133	145	147
8	160e	163	196	199	191	161	202	180	253	132	134	142
9	160e	153	184	196	195	162	193	186	245	151	143	160
10	170e	157	136	218	198	153	229	241	227	134	125	164
11	170e	162	135	235	194	168	246	224	224	129	124	168
12	180e	154	135	258	182	194	247	210	215	118	137	167
13	180e	149	131	288	196	225	247	186	212	112	131	145
14	190e	134	117	313	198	229	233	188	198	119	140	122
15	190e	128	131	332	195	209	227	205	212	129	170	105
16	200e	143	141	342	197	206	218	197	192	145	173	145
17	200e	151	146	334	210	230	200	197	191	169	161	146
18	210e	148	134	317	213	231	205	182	194	163	167	135
19	177	152	133	296	207	223	203	172	183	150	153	124
20	169	143	145	246	198	210	183	176	191	151	120	120
21	164	125	155	245e	201	189	189	174	169	136	109	115
22	160	124	172	245e	219	193	199	206	158	121	116	118
23	145	121	181	240e	231	197	197	245	159	126	135e	111
24	133	126	188	240e	234	197	198	247	173	125	140e	98
25	135	133	186	230e	251	201	278	226	159	127	135	91
26	147	135	187	230e	227	181	226	212	146	142	140	86
27	155	128	196	225e	230	174	207	219	144	130	161	84
28	149	141	204	225e	203	186	200	216	142	128	160	93
29	151	144	192	226	191	186	191	225	138	121	116	76
30	164	129	182	230	---	182	187	219	151	118	116	79
31	165	---	174	242	---	179	---	205	---	119	116	---
TOTAL	5094	4270	5091	7366	5877	5941	6247	6235	5944	4138	4261	3664
MEAN	164.3	142.3	164.2	237.7	202.7	191.8	208.3	201.0	198.1	133.5	137.4	122.2
MAX	210	163	204	342	251	231	278	247	351	169	173	168
MIN	133	121	117	160	158	153	171	172	138	112	109	76
AC-FT	10100	8469	10100	14610	11660	11780	12390	12370	11790	8208	8452	7267
CAL YEAR 2007	TOTAL		78195	MEAN	214.2	MAX	1120	MIN	98.0	AC-FT	155100	
WTR YEAR 2008	TOTAL		64128	MEAN	175.2	MAX	351.0	MIN	76.0	AC-FT	127200	

e indicates estimated discharge.



## PLATTE RIVER BASIN

## TRI-COUNTY CANAL from Platte River, 00142000

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

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

PERIOD OF RECORD.--1941 - present

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

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	450	450	489	500	624	575	505	516	411	863	2220	1060
2	440	450	490	500	636	580	510	536	395	1170	2220	849
3	440	450	495	500	628	590	556	560	405	1460	2240	671
4	440	450	490	510	604	575	548	501	385	1660	2230	510
5	435	450	495	550	541	560	555	495	531	1910	2230	440
6	425	450	500	575	471	460	530	494	1040	1960	2230	455
7	475	442	485	575	463	500	529	504	962	2060	2240	520
8	460	435	388	575	535	510	532	490	650	2110	2230	525
9	430	450	310	575	511	500	537	504	534	2170	2210	513
10	446	450	333	535	550	500	697	787	493	2170	2160	468
11	443	450	405	552	532	525	826	806	450	2140	1980	478
12	442	460	442	589	550	530	870	724	450	2120	1560	532
13	460	450	452	598	625	550	839	588	450	2160	1360	549
14	480	460	443	656	575	540	710	522	440	2140	1270	482
15	513	438	440	677	585	530	637	495	440	2100	1300	407
16	519	435	450	672	600	520	572	485	435	2110	987	450
17	495	445	460	350	600	545	555	475	435	2140	873	450
18	464	450	450	510	610	535	525	470	440	2140	882	450
19	461	445	470	600	600	566	509	440	450	1930	782	450
20	443	450	466	600	590	544	482	400	441	1500	718	450
21	449	450	475	600	590	523	490	380	449	1460	680	450
22	438	450	500	600	580	530	495	272	409	1610	678	415
23	455	440	500	408	600	530	475	583	937	1680	618	400
24	450	443	515	460	610	530	471	787	754	1790	631	425
25	457	438	520	511	620	500	874	658	680	1980	639	425
26	402	436	510	554	600	500	895	528	559	2190	855	425
27	444	440	525	617	590	485	739	784	500	2190	1090	425
28	449	440	525	650	590	490	624	591	500	2160	1140	425
29	452	440	515	627	570	495	565	531	500	2180	1180	410
30	450	331	510	600	---	500	543	452	544	2210	1050	400
31	450	---	500	600	---	500	---	422	---	2200	1040	---
TOTAL	14057	13268	14548	17426	16780	16318	18195	16780	16069	59663	43523	14909
MEAN	453.5	442.3	469.3	562.1	578.6	526.4	606.5	541.3	535.5	1924	1403	496.9
MAX	519	460	525	677	636	590	895	806	1040	2210	2240	1060
MIN	402	331	310	350	463	460	471	272	385	863	618	400
AC-FT	27880	26320	28860	34560	33280	32370	36090	33280	31870	118300	86330	29570
CAL YEAR 2007	TOTAL		300346	MEAN	822.9	MAX	2250	MIN	208.0	AC-FT	595700	
WTR YEAR 2008	TOTAL		261536	MEAN	714.6	MAX	2240	MIN	272.0	AC-FT	518700	

PLATTE RIVER BASIN

JEFFREY RESERVOIR from Platte River, 00403700

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 maximum operating level	2759.0	6,349
Normal minimum operating level	2745.0	5,113

STORAGE ( ACFT ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5567	5402	5347	4912	5182	5237	5292	5237	5457	4862	5457	4512
2	5457	5347	5402	4812	5182	5292	5127	5347	5512	4912	5567	4612
3	5402	5292	5347	4712	5677	5292	5182	5237	5457	5072	5677	4762
4	5402	5292	5347	4912	5072	5237	5292	5292	5347	5237	5622	4662
5	5457	5182	5347	5237	5017	5127	5347	5292	5402	5402	5512	5072
6	5457	5127	5182	5512	4662	5017	5347	5347	5567	5677	5402	5567
7	5567	5072	5127	5567	4762	4862	5402	5347	5567	5842	5567	5622
8	5512	5017	5072	5402	4912	4912	5402	5292	5677	5842	5677	5622
9	5512	4962	5017	5237	4962	4962	5402	5347	5622	5622	5732	5677
10	5457	5127	5017	5182	4962	5072	5457	5567	5567	5677	5842	5567
11	5457	5127	5072	5127	4912	5182	5402	5677	5512	5787	5842	5512
12	5457	5182	5182	5182	5017	5127	5402	5457	5512	5787	5732	5347
13	5457	5182	5237	5292	5127	5127	5347	5457	5512	5732	5842	5512
14	5622	5127	5347	5237	5182	5127	5127	5402	5457	5842	5457	5512
15	5787	5182	5402	5182	5127	5182	5072	5347	5402	5842	5842	5402
16	5787	5237	5457	5017	5182	5237	5072	5237	5347	5622	5842	5292
17	5732	5237	5512	5237	5347	5347	5127	5072	5292	5567	5622	5182
18	5732	5237	5402	5457	5292	5292	5182	4962	5402	5677	5677	5072
19	5567	5237	5347	5622	5182	5292	5127	5017	5457	5677	5677	5127
20	5457	5237	5347	5512	5182	5182	5127	5072	5402	5457	5677	5127
21	5457	5292	5292	5182	5017	5127	5127	5072	5457	5512	5512	5127
22	5347	5292	5292	4912	5017	5072	5072	5237	5347	5567	5347	5127
23	5017	5292	5072	4912	4962	4962	5017	6177	5127	5402	5017	5127
24	5292	5292	4962	5017	4912	5017	5072	5842	5402	5347	4612	5127
25	5567	5292	4962	5072	4962	5017	5182	5897	5567	5457	3914	5017
26	5622	5402	5017	5072	5017	5017	5347	5622	5567	5512	3249	4912
27	5622	5347	5017	5127	5072	5072	5292	5677	5457	5622	3487	4862
28	5677	5347	4962	5072	5127	5127	5182	5567	5237	5732	3819	4812
29	5622	5402	4912	5127	5182	5127	5072	5457	5237	5842	4212	4812
30	5567	5402	4812	4962		5072	5127	5457	5072	5732	4362	4762
31	5457	---	4762	5127	---	5182	---	5457	---	5567	4412	---
MEAN	5519	5239	5180	5159	5076	5126	5224	5402	5431	5562	5200	5148
MAX	5787	5402	5512	5622	5677	5347	5457	6177	5677	5842	5842	5677
MIN	5017	4962	4762	4712	4662	4862	5017	4962	5072	4862	3249	4512
CAL YEAR 2007	MEAN	5106	MAX	6292	MIN	3059						
WTR YEAR 2008	MEAN	5273	MAX	6177	MIN	3249						

## PLATTE RIVER BASIN

## JEFFREY POWER RETURN to Platte River, 00143000

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

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

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	177	585	797
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182	574	729
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196	527	641
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	228	421	611
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	286	262	277
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	311	169	180
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	442	93	168
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	519	5.0	174
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	523	0.00	168
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	530	121	167
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	602	456	41
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57	655	540	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77	663	536	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79	739	439	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82	583	416	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	79	432	397	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86	234	377	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97	124	448	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102	129	585	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	116	338	631	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	6.0	0.00	142	575	657	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	173	597	672	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	287	173	663	704	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	212	104	709	758	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143	755	764	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	174	732	812	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	174	718	823	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	5.0	0.00	173	709	828	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	14	0.00	173	662	799	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	173	608	797	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	610	795	---
TOTAL	0	0	0	0	0	0	39	499	2377	15231	15991	3953
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	1.3	16.1	79.2	491.3	515.8	131.8
MAX	0.00	0.00	0.00	0.00	0.00	0.00	14	287	174	755	828	797
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	124	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	77	990	4715	30210	31720	7841
CAL YEAR 2007	TOTAL		39635	MEAN	108.6	MAX	857.0	MIN	0.000	AC-FT	78610	
WTR YEAR 2008	TOTAL		38090	MEAN	104.1	MAX	828.0	MIN	0.000	AC-FT	75550	

PLATTE RIVER BASIN

ELWOOD RESERVOIR from Platte River, 00403300

LOCATION.--NW1/4NW1/4 Sec. 33-8-22 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 (feet)	CONTENT (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

STORAGE ( ACFT ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9224	8162	7060	6167	5413	4876	4409	4114	8072	10630	10470	10630
2	9176	8117	7020	6130	5413	4876	4409	4114	8384	10580	10420	10580
3	9176	8072	7020	6130	5380	4845	4378	4086	8660	10520	10370	10520
4	9129	8028	6981	6094	5346	4845	4378	4086	8798	10470	10320	10470
5	9082	7984	6942	6057	5346	4814	4378	4086	8844	10420	10260	10420
6	9034	7939	6903	6057	5312	4783	4347	4057	9082	10370	10210	10370
7	9034	7902	6863	6021	5278	4783	4347	4057	9662	10320	10160	10370
8	8986	7860	6863	5984	5278	4783	4347	4057	10320	10260	10110	10320
9	8939	7817	6824	5984	5245	4752	4316	4029	11000	10210	10060	10260
10	8892	7775	6785	5948	5211	4752	4316	4057	11650	10160	10160	10210
11	8892	7733	6745	5911	5211	4720	4316	4057	11710	10110	10260	10210
12	8844	7733	6706	5911	5177	4720	4285	4057	11650	10060	10370	10160
13	8798	7691	6706	5874	5177	4689	4285	4029	11600	10010	10470	10110
14	8752	7648	6667	5838	5143	4689	4285	4029	11540	10010	10580	10110
15	8752	7606	6627	5838	5143	4658	4257	4029	11490	9961	10680	10060
16	8706	7564	6588	5801	5110	4658	4257	4000	11430	9961	10840	10010
17	8660	7564	6588	5765	5110	4627	4257	4000	11380	9961	11000	10010
18	8614	7522	6549	5765	5076	4627	4228	4000	11320	10210	11160	9961
19	8614	7479	6510	5728	5076	4596	4228	3972	11270	10630	11320	9910
20	8568	7437	6470	5692	5042	4596	4228	3972	11210	10890	11270	9910
21	8522	7395	6470	5692	5042	4565	4200	3972	11160	11050	11210	9860
22	8476	7353	6431	5655	5008	4565	4200	4057	11110	11000	11160	9809
23	8476	7353	6392	5619	5008	4534	4200	4409	11050	10950	11110	9809
24	8430	7310	6352	5619	4975	4534	4171	4783	11000	10890	11050	9760
25	8384	7268	6352	5582	4975	4503	4171	5177	10950	10840	11000	9711
26	8340	7226	6313	5548	4941	4503	4171	5582	10890	10790	10950	9662
27	8340	7184	6313	5548	4941	4472	4143	6021	10840	10730	10890	9613
28	8295	7184	6276	5515	4907	4472	4143	6588	10790	10680	10840	9564
29	8250	7141	6240	5481	4907	4441	4143	7099	10730	10630	10790	9515
30	8206	7099	6240	5481	---	4441	4114	7437	10680	10580	10730	9466
31	8206	---	6203	5447	---	4409	---	7775	---	10520	10680	---
MEAN	8703	7605	6613	5803	5145	4649	4264	4638	10610	10460	10670	10050
MAX	9224	8162	7060	6167	5413	4876	4409	7775	11710	11050	11320	10630
MIN	8206	7099	6203	5447	4907	4409	4114	3972	8072	9961	10060	9466
CAL YEAR 2007	MEAN	7147	MAX	11320	MIN	3915						
WTR YEAR 2008	MEAN	7439	MAX	11710	MIN	3972						

## PLATTE RIVER BASIN

## JOHNSON RESERVOIR from Platte River, 00403800

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)
Operating level	2620.0	46,935
Minimum operating level	2590.9	0

## STORAGE ( ACFT ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	41700	39120	41230	40290	38880	39350	38180	40290	41940	40060	38880	33720
2	41000	37240	41700	39820	39120	40060	36360	39590	40290	38880	40290	33500
3	41700	37940	41470	39120	40290	40290	36800	40060	41230	39590	39350	32840
4	42190	38650	41000	39120	40290	40530	37470	40530	40060	40290	39350	32630
5	41000	39120	39120	38880	40060	39120	38180	39820	41470	40530	39350	32630
6	41230	39820	39590	39590	40060	38880	39120	39820	41000	39590	40530	32430
7	41700	40290	39120	38880	40060	38650	39820	39820	40760	40530	41000	32430
8	41000	41000	40060	39820	38410	39120	39820	40290	40530	40290	42940	32220
9	41470	40760	40760	39590	39820	39820	38650	39820	40530	40060	44190	32020
10	41470	41230	40290	39350	40290	39350	37240	41470	40530	40290	44940	32430
11	40290	41700	40060	39350	40060	39120	33720	41470	40290	40060	44690	33280
12	39820	42190	39120	40060	40290	39590	34160	41230	41000	39820	43440	34600
13	40060	41700	38650	40760	39820	39120	34160	42440	41000	39120	42940	35480
14	40760	41700	38180	40290	38650	38880	35040	41470	38880	38410	43690	35920
15	41470	41470	38650	40060	38410	39350	35920	41000	40060	39820	43190	36800
16	41700	41230	39350	39590	38880	40060	37020	41000	40060	40530	42440	37470
17	41700	41000	39590	39590	39820	39590	37940	40760	40060	41940	42190	38180
18	40290	41700	38650	39590	39820	40530	37940	41470	40060	43690	41470	38880
19	38180	40530	39350	39350	38650	40290	38410	41000	39590	44440	39820	39590
20	39120	40290	39590	40060	39120	39820	38880	40760	39590	44440	39350	39820
21	39820	39820	38880	40290	38410	37710	39590	40760	39820	42940	38180	40290
22	40760	40530	39590	39120	38650	38880	40060	41700	40060	43690	37020	40760
23	42190	40530	40290	39350	39120	39820	40060	44190	40060	42690	36800	41230
24	42190	40530	39350	38880	40060	40530	38880	43940	39820	41700	35480	41700
25	41230	41470	40530	38650	40060	41230	37240	42690	40060	40530	35480	41700
26	38880	41470	40290	39120	39350	40290	38180	43190	40290	41000	35480	41470
27	38880	40530	39590	39820	39350	39350	39350	43690	40760	40290	35260	41940
28	39590	40290	39820	38880	39120	38180	40060	42940	41000	41000	35040	42440
29	40060	41000	39590	39590	38410	38650	40760	41940	40530	40530	34600	41940
30	40760	40530	40290	39590	---	39120	41470	41940	39590	41000	34380	41700
31	40290	---	39590	39350	---	39590	---	41940	---	40530	34380	---
MEAN	40720	40510	39780	39540	39420	39510	38010	41380	40360	40910	39550	37070
MAX	42190	42190	41700	40760	40290	41230	41470	44190	41940	44440	44940	42440
MIN	38180	37240	38180	38650	38410	37710	33720	39590	38880	38410	34380	32020
CAL YEAR 2007	MEAN	39620	MAX	44440	MIN	31610						
WTR YEAR 2008	MEAN	39740	MAX	44940	MIN	32020						

PLATTE RIVER BASIN

PHELPS COUNTY CANAL from Platte River via Tri-County Canal, 00122000

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

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49	17	413	519	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76	336	496	449	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72	64	598	451	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41	228	619	468	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53	70	608	502	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70	151	599	394	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74	141	571	293	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69	45	551	310	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62	0.00	541	309	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67	0.00	547	275	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61	0.00	530	297	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70	0.00	554	297	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64	78	555	367	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73	335	509	272	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71	121	470	318	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77	70	352	372	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78	199	204	386	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48	231	202	438	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55	244	202	437	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	78	222	244	463	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	46	35	37	287	429	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	66	26	0.00	339	399	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	63	38	0.00	395	479	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	68	108	115	371	363	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	72	118	157	414	61	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	69	91	0.00	523	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	32	102	0.00	386	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	13	185	0.00	365	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	28	122	154	433	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	30	146	566	447	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	75	---	485	0.00	---
TOTAL	0	0	0	0	0	0	487	2354	3581	13810	9348	0
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	16.2	75.9	119.4	445.5	301.5	0.000
MAX	0.00	0.00	0.00	0.00	0.00	0.00	72	185	566	619	519	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26	0.00	202	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	966	4669	7103	27390	18540	0.00
CAL YEAR 2007	MAX	509.0	MIN	0.000	AC-FT	57940						
WTR YEAR 2008	MAX	619.0	MIN	0.000	AC-FT	58670						

## PLATTE RIVER BASIN

## JOHNSON POWER RETURN to Platte River, 00144000

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1941 - present

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

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	934	0.00	0.00	573	0.00	933	667	0.00	0.00	476	96
2	0.00	1460	0.00	621	224	0.00	1480	609	277	0.00	481	218
3	0.00	0.00	651	625	0.00	563	0.00	0.00	0.00	0.00	474	0.00
4	357	0.00	648	548	613	687	0.00	0.00	0.00	0.00	445	0.00
5	681	0.00	632	222	608	626	0.00	557	185	0.00	434	0.00
6	0.00	0.00	564	0.00	615	656	0.00	542	595	84	406	0.00
7	0.00	0.00	550	540	610	611	0.00	0.00	100	316	472	0.00
8	643	0.00	0.00	0.00	625	0.00	282	0.00	0.00	343	472	0.00
9	0.00	0.00	0.00	535	0.00	0.00	920	778	279	411	462	0.00
10	652	0.00	570	657	138	616	1550	0.00	347	454	365	0.00
11	621	0.00	531	422	618	492	1690	472	122	484	1070	0.00
12	487	0.00	500	202	610	0.00	331	0.00	0.00	473	1230	0.00
13	0.00	744	539	0.00	608	611	932	316	3.0	473	0.00	0.00
14	0.00	0.00	531	656	609	604	389	550	0.00	480	0.00	0.00
15	0.00	629	0.00	699	653	0.00	0.00	549	0.00	456	0.00	0.00
16	0.00	570	0.00	611	0.00	0.00	0.00	573	0.00	435	0.00	0.00
17	281	0.00	538	655	0.00	499	0.00	0.00	7.0	413	0.00	0.00
18	930	0.00	499	612	609	0.00	0.00	0.00	0.00	498	0.00	0.00
19	1460	516	0.00	224	633	279	0.00	660	0.00	476	0.00	0.00
20	0.00	623	496	0.00	502	924	0.00	0.00	0.00	837	0.00	0.00
21	0.00	491	531	619	495	1480	185	0.00	0.00	447	0.00	0.00
22	0.00	0.00	0.00	617	493	0.00	0.00	0.00	0.00	314	0.00	0.00
23	0.00	489	0.00	468	0.00	0.00	203	803	0.00	289	0.00	0.00
24	275	0.00	648	437	0.00	0.00	846	2020	37	331	23	0.00
25	933	0.00	0.00	382	608	0.00	1400	1590	0.00	272	0.00	601
26	1490	621	496	220	607	281	0.00	0.00	0.00	240	0.00	0.00
27	0.00	492	571	0.00	483	932	0.00	582	0.00	436	0.00	0.00
28	0.00	648	587	626	570	1480	0.00	312	0.00	495	0.00	0.00
29	0.00	0.00	272	417	516	0.00	0.00	583	0.00	462	0.00	608
30	0.00	535	0.00	618	---	0.00	0.00	467	0.00	451	0.00	1.0
31	276	---	704	560	---	277	---	0.00	---	411	0.00	---
TOTAL	9086	8752	11058	12793	12620	11618	11141	12630	1952	10781	6810	1524
MEAN	292.9	291.8	356.7	412.7	435.2	374.8	371.3	407.5	65.1	347.8	219.6	50.8
MAX	1490	1460	704	699	653	1480	1690	2020	595	837	1230	608
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	18020	17360	21930	25370	25030	23040	22100	25050	3872	21380	13510	3023
CAL YEAR 2007	TOTAL		137435	MEAN	376.5	MAX	1570	MIN	0.000	AC-FT	272600	
WTR YEAR 2008	TOTAL		110765	MEAN	302.6	MAX	2020	MIN	0.000	AC-FT	219700	

PLATTE RIVER BASIN

PLATTE RIVER near Maxwell, 00228500

LOCATION.--SW1/4SW1/4 Sec. 28-13-28 W. at Maxwell, Lincoln County, Lat. 41° 03' 42", Long. 100° 31' 30", on right bank 20 feet upstream of the Nebraska Highway 330 bridge over the Platte River 1 mile south of Maxwell, Nebraska.

DRAINAGE AREA.--Not determined.

GAGE.--Continuous stage recorder. Elevation of gage approximately 2,695 feet from topographic map.

PERIOD OF RECORD.--2000

REMARKS.--Operation of gage started in May, 1999. This station replaces the Platte River below the Tri-County Diversion Dam gage operated through water year 1999. Records are fair, except estimated records are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,600 cubic feet per second August 8, gage height 7.18 feet; minimum daily discharge 24 cubic feet per second July 25.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	48	50	54	56e	47	68	55	80	113e	61	375	45
2	45	50	51	56e	46	71	55	73	96e	50	480	45
3	43	49	51e	56e	49	64	66	72	82e	48	610	39
4	41	49	51e	56e	51	62	68	69	74	47	918	39
5	41	50	51	56e	52	60	69	67	81	57	1130	46
6	39	49	53e	56e	55	56	70	67	100	58	1250	54
7	42	50	53e	55e	54	53	65	70	147	70	1470	53
8	40	51	53e	55e	55	52	65	72	123	141	1550	56
9	40	50	55e	55e	55	53	64	75	95	154	1370	54
10	40	52	55e	56	53	53	82	110	81	110	666	55
11	41	53	55e	55	55	55	103	126	69	65	149	58
12	45	53	55e	56	54	56	131	133	62	45	95	59
13	49	53	56e	57	56	57	130	121	58	49	83	60
14	59	53	56e	57	58	57	121	106	58	204	93	54
15	59	52	56e	58	59	56	104	90	54	472	98	51
16	59	53	56e	57	58	54	92	80	55	613	99	50
17	58	52	56e	55	62	59	80	74	56	666	93	50
18	63	54	56e	56	62	61	71	68	60	623	83	48
19	60	55	57e	53	60	67	68	66	64	201	71	47
20	57	57	57e	56	59	76	68	62	69	76	63	48
21	55	56	57e	57	57	74	65	59	76	58	61	48
22	52	54	57e	57e	59	69	61	71	73	52	55	51
23	51	53	57e	57e	59	63	60	162	70	47	52	44
24	50	53	57e	55e	61	63	62	219	80	36	52	41
25	49	52	58e	55e	64	62	93	223	77	24	51	45
26	50	52	58e	55e	59	59	114	182	82	95	49	45
27	49	52	58e	53e	62	57	116	222	85	158	48	44
28	49	53	58e	53e	63	56	106	222	72	298	47	42
29	49	52	58e	50e	65	55	93	173e	57	350	44	38
30	50	51	58e	49	---	55	85	151e	60	356	43	37
31	50	---	58e	54	---	56	---	131e	---	354	45	---
TOTAL	1523	1563	1721	1712	1649	1859	2482	3496	2329	5638	11293	1446
MEAN	49.0	52.1	55.5	55.2	56.8	59.9	82.8	112.8	77.6	181.8	364.4	48.2
MAX	63	57	58	58	65	76	131	223	147	666	1550	60
MIN	39	49	51	49	46	52	55	59	54	24	43	37
AC-FT	3021	3100	3414	3396	3271	3687	4923	6934	4620	11180	22400	2868
CAL YEAR 2007	TOTAL		35863	MEAN	98.3	MAX	1420	MIN	3.0	AC-FT	71130	
WTR YEAR 2008	TOTAL		36711	MEAN	100.3	MAX	1550	MIN	24.0	AC-FT	72820	

e indicates estimated discharge.



## PLATTE RIVER BASIN

## PLATTE RIVER at Brady, 06766000

LOCATION.--North channel gage (no. 1): SW1/4SW1/4 Sec. 11-12-27 W., Lat. 41° 01' 10", Long. 100° 22' 16", on left bank 15 feet downstream from bridge, and 0.5 mile south of Brady; South channel gage (no. 4): SW1/4SW1/4 Sec. 23-12-27 W., on left bank 15 feet downstream from bridge, and 2.5 miles south of Brady.

DRAINAGE AREA.--Approximately 56,200 square miles.

GAGE.--Continuous stage recorders on north channel (no. 1) and south channel (no. 4). Channel no. 1 gage datum is 2,638.19 feet above sea level and channel no. 4 gage datum is 2,640.66 feet above sea level.

PERIOD OF RECORD.--Irrigation season 1932, 1937 - 1938, Apr. 1939 - present (Monthly discharges only for some periods)

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 23,500 cubic feet per second June 29, 1983; no flow August 22-24, 1941.

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,960 cubic feet per second August 9, combined channel flow; minimum daily discharge 49 cubic feet per second on September 4, combined channel flow.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	72e	85	99	111e	115e	150	120	151	344	94	496	57
2	72e	86	100	111e	115e	153	120	148	290	90	562	59
3	72e	87	100	114e	114e	146	139	145	249	85	712	56
4	71e	88	103	114e	114e	140	155	140	215	81	999	55
5	70e	89	105	113e	114e	136	161	136	204	77	1640	61
6	69e	87	105	115e	114e	127	150	133	232	82	1910	71
7	71e	88	106	115e	118	122	143	131	272	84	2290	73
8	71e	89	107	115e	115	121	147	131	250	99	2630	77
9	70	90	105	116	118	123	152	138	212	135	2740	78
10	71e	92	104	115	112	122	189	220	190	129	1930	78
11	71e	93	111	117	113	124	256	297	172	109	684	93
12	72e	94	111	117	113	129	301	300	155	83	291	91
13	75e	94	115	117	116	130	289	252	143	72	177	95
14	77e	94	113	116	118	129	237	214	136	111	172	88
15	90e	92	112	117	115	127	204	189	129	220	147	83
16	91e	93	106	115	119	125	178	169	128	424	136	80
17	88e	94	111	116e	125	131	163	157	128	565	121	78
18	94e	96	112	116e	124	142	152	146	128	667	109	76
19	91e	99	110	116e	122	154	142	137	129	570	98	73
20	87e	99	113	117e	122	165	134	130	128	177	90	72
21	85e	98	114	117e	117	159	127	123	135	111	86	72
22	84e	95	111	116e	124	148	121	135	136	90	83e	78
23	85e	94	107	115e	128	136	119	389	123	79	80e	74
24	85e	97	111	116e	130	131	122	1870	125	70	74e	72
25	86	98	113	116e	136	129	180	1340	115	63	74e	72
26	86	98	112	116e	131	124	217	776	109	77	67	70
27	81	98	108	116e	133	121	226	615	116	145	65	69
28	80	99	111	117e	140	119	203	659	111	204	64	69
29	82	98	105	115e	146	118	180	596	104	322	61	67
30	84	95	108	115e	---	116	163	528	98	406	59	66
31	85	---	111	115e	---	121	---	389	---	466	58	---
TOTAL	2468	2799	3359	3577	3521	4118	5190	10884	5006	5987	18705	2203
MEAN	79.6	93.2	108.3	115.4	121.4	132.7	172.9	351.1	166.8	193.1	604.0	73.5
MAX	94	99	115	117	146	165	301	1870	344	667	2740	95
MIN	69	85	99	111	112	116	119	123	98	63	58	55
AC-FT	4895	5552	6662	7095	6984	8168	10290	21590	9929	11880	37100	4370
CAL YEAR 2007 TOTAL			73793	MEAN	202.2	MAX	2700	MIN	49.0	AC-FT	146400	
WTR YEAR 2008 TOTAL			67817	MEAN	185.3	MAX	2740	MIN	55.0	AC-FT	134500	

e indicates estimated discharge.

PLATTE RIVER BASIN

THIRTY MILE CANAL from Platte River, 00141000

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	0.00	0.00	82	154	142
2	---	---	---	---	---	---	0.00	0.00	0.00	85	155	130
3	---	---	---	---	---	---	0.00	0.00	0.00	87	153	126
4	---	---	---	---	---	---	0.00	0.00	0.00	86	152	115
5	---	---	---	---	---	---	0.00	0.00	0.00	99	153	33
6	---	---	---	---	---	---	0.00	0.00	19	107	157	0.00
7	---	---	---	---	---	---	0.00	0.00	35	118	158	0.00
8	---	---	---	---	---	---	0.00	0.00	30	124	159	0.00
9	---	---	---	---	---	---	0.00	0.00	60	137	160	0.00
10	---	---	---	---	---	---	0.00	0.00	64	149	162	0.00
11	---	---	---	---	---	---	0.00	0.00	65	149	165	0.00
12	---	---	---	---	---	---	0.00	0.00	65	147	132	0.00
13	---	---	---	---	---	---	0.00	0.00	70	146	122	0.00
14	---	---	---	---	---	---	0.00	0.00	64	147	105	0.00
15	---	---	---	---	---	---	0.00	0.00	53	98	94	0.00
16	---	---	---	---	---	---	0.00	0.00	53	82	94	0.00
17	---	---	---	---	---	---	0.00	0.00	53	81	94	0.00
18	---	---	---	---	---	---	0.00	0.00	54	82	111	0.00
19	---	---	---	---	---	---	0.00	0.00	54	93	118	0.00
20	---	---	---	---	---	---	0.00	0.00	65	106	136	0.00
21	---	---	---	---	---	0.00	0.00	0.00	71	116	147	0.00
22	---	---	---	---	---	0.00	0.00	0.00	71	120	153	0.00
23	---	---	---	---	---	0.00	0.00	0.00	71	127	154	---
24	---	---	---	---	---	0.00	0.00	0.00	71	135	152	---
25	---	---	---	---	---	0.00	0.00	0.00	72	144	151	---
26	---	---	---	---	---	0.00	0.00	0.00	72	145	152	---
27	---	---	---	---	---	0.00	0.00	0.00	72	141	151	---
28	---	---	---	---	---	0.00	0.00	0.00	73	140	151	---
29	---	---	---	---	---	0.00	0.00	0.00	74	140	151	---
30	---	---	---	---	---	0.00	0.00	0.00	77	149	152	---
31	---	---	---	---	---	0.00	---	0.00	---	154	146	---
TOTAL	0	0	0	0	0	0	0	0	1528	3716	4394	546
MEAN	---	---	---	---	---	0.000	0.000	0.000	51.0	120.0	141.7	24.8
MAX	---	---	---	---	---	0.00	0.00	0.00	77	154	165	142
MIN	---	---	---	---	---	0.00	0.00	0.00	0.00	81	94	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3031	7371	8715	1083
CAL YEAR 2007	MAX	173.0	MIN	0.000	AC-FT	20740						
WTR YEAR 2008	MAX	165.0	MIN	0.000	AC-FT	20200						

## PLATTE RIVER BASIN

## GOTHENBURG CANAL from Platte River, 00057000

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

REMARKS.--Published as Gothenburg Canal from Platte River for Power and Irrigation up to 1974.

## DISCHARGE ( CFS ), WATER YEAR 2007

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	90	44	241	293	106
2	---	---	---	---	---	---	0.00	90	42	286	294	106
3	---	---	---	---	---	---	0.00	90	42	300	295	104
4	---	---	---	---	---	---	0.00	90	60	304	294	100
5	---	---	---	---	---	---	0.00	97	95	306	295	102
6	---	---	---	---	---	---	0.00	97	99	307	283	103
7	---	---	---	---	---	---	0.00	82	100	308	272	103
8	---	---	---	---	---	---	0.00	91	100	307	272	103
9	---	---	---	---	---	---	8.5	91	100	274	273	102
10	---	---	---	---	---	---	99	92	102	246	275	105
11	---	---	---	---	---	---	89	91	103	244	274	90
12	---	---	---	---	---	---	89	92	105	243	275	81
13	---	---	---	---	---	---	90	92	104	196	276	81
14	---	---	---	---	---	---	90	92	103	193	279	80
15	---	---	---	---	---	---	90	91	102	192	279	80
16	---	---	---	---	---	---	91	92	101	222	279	80
17	---	---	---	---	---	---	112	92	102	261	279	80
18	---	---	---	---	---	---	89	92	102	274	279	80
19	---	---	---	---	---	---	87	92	114	276	279	79
20	---	---	---	---	---	---	86	93	127	275	279	79
21	---	---	---	---	---	---	90	93	129	274	279	77
22	---	---	---	---	---	---	94	97	129	273	278	76
23	---	---	---	---	---	---	93	94	130	299	273	74
24	---	---	---	---	---	---	92	93	130	301	269	74
25	---	---	---	---	---	---	92	93	126	305	269	74
26	---	---	---	---	---	0.00	91	93	126	304	268	74
27	---	---	---	---	---	0.00	90	93	144	301	266	40
28	---	---	---	---	---	0.00	90	93	196	299	267	0.00
29	---	---	---	---	---	0.00	91	101	210	294	265	0.00
30	---	---	---	---	---	0.00	91	55	218	283	253	0.00
31	---	---	---	---	---	0.00	---	46	---	294	165	---
TOTAL	0	0	0	0	0	0	1934.5	2780	3385	8482	8476	2333
MEAN	---	---	---	---	---	0.000	64.5	89.7	112.8	273.7	273.3	77.8
MAX	---	---	---	---	---	0.00	112	101	218	308	295	106
MIN	---	---	---	---	---	0.00	0.00	46	42	192	165	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	3837	5514	6714	16820	16810	4627
CAL YEAR 2006	MAX	311.0	MIN	0.000	AC-FT	54650						
WTR YEAR 2007	MAX	308.0	MIN	0.000	AC-FT	54330						

PLATTE RIVER BASIN

BUFFALO CREEK (B-1) RESERVOIR SUPPLY CANAL from Platte River, 00019500

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1983, 1985 - present

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	---	---	---	---	---
2	0.00	---	---	---	---	---	---	---	---	---	---	---
3	0.00	---	---	---	---	---	---	---	---	---	---	---
4	0.00	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0.000	---	---	---	---	---	---	---	---	---	---	---
MAX	0.00	---	---	---	---	---	---	---	---	---	---	---
MIN	0.00	---	---	---	---	---	---	---	---	---	---	---
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAL YEAR 2007	MAX	43.0	MIN	0.000	AC-FT	5062						
WTR YEAR 2008	MAX	0.000	MIN	0.000	AC-FT	0.00						

## PLATTE RIVER BASIN

## SIX MILE CANAL from Platte River, 00134000

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

DISCHARGE ( CFS ), WATER YEAR 2007

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	3.2	17	14	13
2	---	---	---	---	---	---	---	0.00	2.3	16	14	10
3	---	---	---	---	---	---	---	0.00	0.38	16	14	8.8
4	---	---	---	---	---	---	---	0.00	0.00	16	15	4.0
5	---	---	---	---	---	---	---	0.00	0.00	16	17	0.00
6	---	---	---	---	---	---	---	0.00	0.00	16	17	0.00
7	---	---	---	---	---	---	---	0.00	0.00	16	16	0.00
8	---	---	---	---	---	---	---	0.00	0.00	16	15	0.00
9	---	---	---	---	---	---	---	0.00	0.00	15	15	0.00
10	---	---	---	---	---	---	---	0.00	0.00	14	16	0.00
11	---	---	---	---	---	---	0.00	0.00	0.00	8.6	16	0.00
12	---	---	---	---	---	---	0.00	0.00	0.00	1.4	14	0.00
13	---	---	---	---	---	---	0.00	0.00	0.00	1.1	14	0.00
14	---	---	---	---	---	---	0.00	0.00	0.00	3.7	14	0.00
15	---	---	---	---	---	---	0.00	0.00	0.00	4.8	15	0.00
16	---	---	---	---	---	---	0.00	0.00	0.00	4.8	19	0.00
17	---	---	---	---	---	---	0.00	0.00	0.00	6.9	19	0.00
18	---	---	---	---	---	---	0.00	0.00	0.00	8.3	17	0.00
19	---	---	---	---	---	---	0.00	0.00	0.00	8.6	13	0.00
20	---	---	---	---	---	---	0.00	0.00	0.00	8.6	13	---
21	---	---	---	---	---	---	0.00	0.00	0.00	8.6	13	---
22	---	---	---	---	---	---	0.00	0.00	0.00	9.0	13	---
23	---	---	---	---	---	---	0.00	0.00	0.00	9.7	13	---
24	---	---	---	---	---	---	0.00	0.00	0.00	11	12	---
25	---	---	---	---	---	---	0.00	0.00	0.00	12	14	---
26	---	---	---	---	---	---	0.00	0.00	0.00	14	14	---
27	---	---	---	---	---	---	0.00	0.00	0.00	14	13	---
28	---	---	---	---	---	---	0.00	0.00	6.2	14	12	---
29	---	---	---	---	---	---	0.00	1.0	15	14	13	---
30	---	---	---	---	---	---	0.00	7.0	19	14	14	---
31	---	---	---	---	---	---	---	5.2	---	14	14	---
TOTAL	0	0	0	0	0	0	0	13.2	46.08	349.1	452	35.8
MEAN	---	---	---	---	---	---	0.000	0.43	1.6	11.2	14.5	1.9
MAX	---	---	---	---	---	---	0.00	7.0	19	17	19	13
MIN	---	---	---	---	---	---	0.00	0.00	0.00	1.1	12	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26	91	692	897	71
CAL YEAR 2006	MAX	20.0	MIN	0.000	AC-FT	2071						
WTR YEAR 2007	MAX	19.0	MIN	0.000	AC-FT	1778						

PLATTE RIVER BASIN

COZAD CANAL from Platte River, 00033000

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	3.8	55	53	147	109
2	---	---	---	---	---	---	0.00	13	55	53	142	98
3	---	---	---	---	---	---	0.00	21	50	54	136	84
4	---	---	---	---	---	---	0.00	29	43	54	136	78
5	---	---	---	---	---	---	0.00	35	0.00	55	138	41
6	---	---	---	---	---	---	0.00	38	0.00	55	140	0.00
7	---	---	---	---	---	---	0.00	39	0.00	56	138	0.00
8	---	---	---	---	---	---	0.00	38	9.5	56	139	0.00
9	---	---	---	---	---	---	0.00	38	48	56	139	0.00
10	---	---	---	---	---	---	0.00	19	48	56	138	0.00
11	---	---	---	---	---	---	0.00	25	44	57	137	0.00
12	---	---	---	---	---	---	0.00	42	36	57	131	0.00
13	---	---	---	---	---	---	0.00	39	46	63	127	0.00
14	---	---	---	---	---	---	0.00	37	46	107	102	0.00
15	---	---	---	---	---	---	0.00	37	46	87	80	0.00
16	---	---	---	---	---	---	0.00	37	47	60	75	0.00
17	---	---	---	---	---	---	0.00	37	46	61	76	0.00
18	---	---	---	---	---	---	0.00	37	46	59	77	0.00
19	---	---	---	---	---	---	0.00	38	47	58	94	0.00
20	---	---	---	---	---	---	0.00	47	47	58	112	0.00
21	---	---	---	---	---	0.00	0.00	47	47	59	127	0.00
22	---	---	---	---	---	0.00	0.00	43	48	71	138	0.00
23	---	---	---	---	---	0.00	0.00	0.00	48	107	144	0.00
24	---	---	---	---	---	0.00	0.00	17	11	137	144	---
25	---	---	---	---	---	0.00	0.00	0.00	25	152	137	---
26	---	---	---	---	---	0.00	0.00	0.00	48	156	136	---
27	---	---	---	---	---	0.00	0.00	0.00	49	157	135	---
28	---	---	---	---	---	0.00	0.00	0.00	51	157	130	---
29	---	---	---	---	---	0.00	0.00	0.00	52	159	126	---
30	---	---	---	---	---	0.00	0.00	34	52	159	121	---
31	---	---	---	---	---	0.00	---	55	---	153	120	---
TOTAL	0	0	0	0	0	0	0	845.8	1190.5	2682	3862	410
MEAN	---	---	---	---	---	0.000	0.000	27.4	39.6	86.6	124.6	17.8
MAX	---	---	---	---	---	0.00	0.00	55	55	159	147	109
MIN	---	---	---	---	---	0.00	0.00	0.00	0.00	53	75	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1678	2361	5320	7660	813
CAL YEAR 2007	MAX	136.0	MIN	0.000	AC-FT	17990						
WTR YEAR 2008	MAX	159.0	MIN	0.000	AC-FT	17830						

## PLATTE RIVER BASIN

## ORCHARD ALFALFA CANAL from Platte River, 00117000

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

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	0.00	0.00	0.00	38	38
2	---	---	---	---	---	---	0.00	0.00	0.00	0.00	44	36
3	---	---	---	---	---	---	0.00	0.00	0.00	0.00	43	32
4	---	---	---	---	---	---	0.00	0.00	0.00	5.5	43	26
5	---	---	---	---	---	---	0.00	0.00	0.00	18	51	11
6	---	---	---	---	---	---	0.00	0.00	8.9	22	47	1.9
7	---	---	---	---	---	---	0.00	0.00	12	26	43	0.00
8	---	---	---	---	---	---	0.00	0.00	2.1	26	41	0.00
9	---	---	---	---	---	---	0.00	0.00	7.3	26	47	0.00
10	---	---	---	---	---	---	0.00	0.00	14	26	49	0.00
11	---	---	---	---	---	---	0.00	0.00	11	26	41	0.00
12	---	---	---	---	---	---	0.00	0.00	14	31	42	0.00
13	---	---	---	---	---	---	0.00	0.00	9.9	35	0.00	0.00
14	---	---	---	---	---	---	0.00	0.00	0.00	35	0.00	0.00
15	---	---	---	---	---	---	0.00	3.8	0.00	50	0.00	0.00
16	---	---	---	---	---	---	0.00	18	0.00	11	9.3	0.00
17	---	---	---	---	---	---	0.00	17	0.00	11	22	0.00
18	---	---	---	---	---	---	0.00	16	0.00	2.2	21	0.00
19	---	---	---	---	---	---	0.00	15	0.00	7.7	25	0.00
20	---	---	---	---	---	---	0.00	15	0.00	16	31	0.00
21	---	---	---	---	---	0.00	0.00	14	0.00	21	37	0.00
22	---	---	---	---	---	0.00	0.00	21	0.00	25	39	0.00
23	---	---	---	---	---	0.00	0.00	120	0.00	27	41	0.00
24	---	---	---	---	---	0.00	0.00	89	5.5	32	47	---
25	---	---	---	---	---	0.00	0.00	0.00	0.00	36	48	---
26	---	---	---	---	---	0.00	0.00	0.00	0.00	35	45	---
27	---	---	---	---	---	0.00	0.00	0.00	0.00	40	42	---
28	---	---	---	---	---	0.00	0.00	0.00	0.00	40	36	---
29	---	---	---	---	---	0.00	0.00	0.00	0.00	40	35	---
30	---	---	---	---	---	0.00	0.00	0.00	0.00	38	36	---
31	---	---	---	---	---	0.00	---	0.00	---	35	37	---
TOTAL	0	0	0	0	0	0	0	328.8	84.7	743.4	1080.3	144.9
MEAN	---	---	---	---	---	0.000	0.000	10.6	2.8	24.0	34.8	6.3
MAX	---	---	---	---	---	0.00	0.00	120	14	50	51	38
MIN	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	652	168	1475	2143	287
CAL YEAR 2007	MAX	100.0	MIN	0.000	AC-FT	3967						
WTR YEAR 2008	MAX	120.0	MIN	0.000	AC-FT	4725						

PLATTE RIVER BASIN

DAWSON COUNTY CANAL from Platte River, 00037000

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	0.00	0.00	149	395	351
2	---	---	---	---	---	---	0.00	0.00	0.00	149	394	351
3	---	---	---	---	---	---	0.00	0.00	0.00	151	394	327
4	---	---	---	---	---	---	0.00	0.00	0.00	151	389	315
5	---	---	---	---	---	---	0.00	0.00	0.00	150	392	314
6	---	---	---	---	---	---	0.00	0.00	0.00	171	394	314
7	---	---	---	---	---	---	0.00	0.00	0.00	203	394	300
8	---	---	---	---	---	---	0.00	76	0.00	238	395	291
9	---	---	---	---	---	---	0.00	80	0.00	257	394	293
10	---	---	---	---	---	---	0.00	79	0.00	276	392	294
11	---	---	---	---	---	---	0.00	79	0.00	297	379	167
12	---	---	---	---	---	---	0.00	79	13	308	333	0.00
13	---	---	---	---	---	---	0.00	78	47	318	305	0.00
14	---	---	---	---	---	---	0.00	79	48	320	273	0.00
15	---	---	---	---	---	---	0.00	79	56	324	259	0.00
16	---	---	---	---	---	---	0.00	79	95	313	261	0.00
17	---	---	---	---	---	---	0.00	78	96	292	263	0.00
18	---	---	---	---	---	---	0.00	76	96	277	267	0.00
19	---	---	---	---	---	---	0.00	75	96	277	295	0.00
20	---	---	---	---	---	---	0.00	74	96	280	306	0.00
21	---	---	---	---	---	---	0.00	90	96	305	322	0.00
22	---	---	---	---	---	---	0.00	97	112	309	328	0.00
23	---	---	---	---	---	---	0.00	65	153	309	311	0.00
24	---	---	---	---	---	0.00	0.00	50	150	310	321	0.00
25	---	---	---	---	---	0.00	0.00	9.4	151	319	329	0.00
26	---	---	---	---	---	0.00	0.00	2.7	153	340	327	---
27	---	---	---	---	---	0.00	0.00	1.9	152	367	344	---
28	---	---	---	---	---	0.00	0.00	1.4	152	379	352	---
29	---	---	---	---	---	0.00	0.00	1.1	149	387	352	---
30	---	---	---	---	---	0.00	0.00	0.00	148	392	352	---
31	---	---	---	---	---	0.00	---	0.00	---	394	352	---
TOTAL	0	0	0	0	0	0	0	1329.5	2059	8712	10564	3317
MEAN	---	---	---	---	---	0.000	0.000	42.9	68.7	281.0	340.7	132.7
MAX	---	---	---	---	---	0.00	0.00	97	153	394	395	351
MIN	---	---	---	---	---	0.00	0.00	0.00	0.00	149	259	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2637	4084	17280	20950	6579
CAL YEAR 2007	MAX	403.0	MIN	0.000	AC-FT	52350						
WTR YEAR 2008	MAX	395.0	MIN	0.000	AC-FT	51530						



## PLATTE RIVER BASIN

## PLATTE RIVER near Cozad, 06766500

LOCATION.--North channel gage: SE1/4NW1/4 Sec. 18-10-23 W., Dawson County, Lat. 40° 50' 19", Long. 99° 59' 17", at left, downstream end of north bridge on State Highway 21, 1.4 mile south of Cozad; South channel gage: SW1/4SW1/4 Sec. 18-10-23 W., Lat. 40° 49' 58", Long. 99° 59' 31", at left, downstream end of south bridge on State Highway 21, 1.9 mile south of Cozad.

DRAINAGE AREA.--Approximately 56,200 square miles, approximately 51,700 square miles contributes to surface runoff.

GAGE.--Continuous stage recorders on north and south channel gages

PERIOD OF RECORD.--Irrigation season 1932, 1937 - 1938, Apr. 1939 - present (monthly discharges only for periods).

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 21,500 cubic feet per second June 29, 1983, combined channel flow; flood of June 1935 estimated to have reached a discharge of 40,000 cubic feet per second; no flow at times in 1937-1940.

EXTREMES FOR CURRENT YEAR.--Peak discharge estimated 11,000 cubic feet per second May 23, combined channel flow; minimum daily discharge 13 cubic feet per second July 7, combined channel flow.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	103	164	148	143	158	198	203	208	504	57	41	62
2	109	159	151	132	181	196	199	189	434	51	36	97
3	109	151	151	143	190	188	212	178	375	35	45	100
4	109	152	158	130	197	199	218	160	343	22	53	77
5	113	153	163	157	165	192	222	145	343	20	53	85
6	112	146	168	169	144	179	238	128	336e	25	56	52
7	124	142	171	174	162	166	237	122	306e	13	47	32
8	127	146	158	182	196	168	239	76	256e	63	54	31
9	184	152	124	184	199	171	232	47	243e	74	109	31
10	146	155	134	188	165	164	271	130	174	55	116	24
11	137	153	136	181	159	178	317	196	167	20	92	139
12	136	148	148	178	180	188	368	195	136	50	196	224
13	145	149	145	169	196	192	403	165	111	44	141	276
14	154	159	142	179	204	189	402	123	115	46	229	215
15	162	159	154	188	168	181	377	84	101	953	169	192
16	172	159	156	188	193	178	243	67	62	412	126	182
17	179	156	141	136	195	188	323	51	57	321	78	172
18	205	157	145	143	185	192	295	37	56	243	56	164
19	194	159	158	158	197	201	269	29	54	176	55	154
20	186	157	165	157	193	221	254	20	56	88	75	147
21	175	151	171	144	173	232	242	13	46	62	40	143
22	167	144	163	148	186	230	230	389	59	98	33	138
23	163	148	162	153	192	218	233	4560	25	55	21	138
24	164	161	145	166	185	212	223	7990	451	38	23	138
25	161	159	170	183	183	209	334	4210	420	66	43	139
26	156	154	166	162	176	204	363	1720	186	81	40	137
27	158	153	157	171	191	198	381	1230	169	71	42	135
28	157	154	144	188	199	194	365	1070	121	54	43	135
29	155	159	149	184	198	190	321	980	90	57	50	132
30	155	154	142	174	---	193	257	835	73	43	45	125
31	164	---	134	170	---	206	---	663	---	35	52	---
TOTAL	4681	4613	4719	5122	5310	6015	8471	26010	5869	3428	2259	3816
MEAN	151.0	153.8	152.2	165.2	183.1	194.0	282.4	838.2	195.6	110.5	72.8	127.2
MAX	205	164	171	188	204	232	403	7990	504	953	229	276
MIN	103	142	124	130	144	164	199	13	25	13	21	24
AC-FT	9285	9150	9360	10160	10530	11930	16800	51590	11640	6799	4481	7569
CAL YEAR 2007	TOTAL		77795	MEAN	213.1	MAX	2070	MIN	12.0	AC-FT	154300	
WTR YEAR 2008	TOTAL		80313	MEAN	219.4	MAX	7990	MIN	13.0	AC-FT	159300	

e indicates estimated discharge.

PLATTE RIVER BASIN

PLUM CREEK near Smithfield, 06767500

LOCATION.--SEL/4SW1/4 Sec. 21-8-21 W. near Smithfield, Gosper County, Lat. 40°38'30", Long. 99°42'37", on the left bank 15 feet downstream from the county road bridge 4.8 miles north and 1.4 miles east of Smithfield, Nebraska.

DRAINAGE AREA.--224 square miles.

GAGE.--Continuous stage recorder. Elevation of gage approximately 2,400 feet from topographic map.

PERIOD OF RECORD.--USGS continuous record June 1946 - September 1953, October 1968 - September 1975, USGS annual peak 1954 - 1968, at a site 1.5 miles downstream. Continuous Department of Water Resources record at the present site 1980 - 1991 and USGS April 1996 - September 2002, Department of Natural Resources 2003 - present.

REMARKS.--Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 2,800 cubic feet per second June 23, 1947, gage height 23.41 feet, at the datum and site then in use; minimum daily discharge zero on July 13, 1946.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,440 cubic feet per second May 24, gage height 18.08 feet from a high water mark; minimum daily discharge 6.7 cubic feet per second September 22.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.1	9.3	11	11	12e	12	11	13	160e	13	13	9.1
2	9.0	9.2	11	7.1	12e	12	11	13	160e	13	12	8.9
3	8.8	9.4	13	9.4	12e	12	11	13	160e	12	12	8.5
4	8.7	9.5	11	9.4	12e	12	11	13	150e	12	11	8.0
5	8.8	9.6	11	9.5	12e	12	11	13	140e	12	10	7.9
6	9.0	9.7	11	9.7	12e	12	11	14	139	12	11	8.2
7	9.1	9.6	11	9.8	12e	11	11	14	166	11	11	8.3
8	9.3	9.7	10	9.9	12e	11	11	16	138	13	12	8.4
9	9.4	9.9	10	11e	12e	12	11	15	49	17	13	8.3
10	9.1	10	9.0e	11e	12e	11	12	62	50e	11	13	8.1
11	9.3	10	9.0e	14e	12e	11	14	79	50e	10	12	8.0
12	9.5	10	10e	14e	12e	11	14	54	40e	9.6	26	7.9
13	10.0	10	10e	14e	12e	11	13	33	40e	9.4	33	7.9
14	10	10.0	12e	14e	12e	11	12	20	30e	9.3	16	7.8
15	10	10	12e	14e	12e	11	11	17	30e	15	16	7.6
16	11	10	12e	14e	12e	11	11	16	20e	21	13	7.4
17	11	10	12e	13e	12e	11	11	15	20e	27	11	7.4
18	11	10	12	13e	10e	11	11	14	20e	20	11	7.2
19	11	10	12	13e	10e	11	11	13	15	21	11	7.1
20	9.6	10	11	13e	10e	11	11	12	15	13	9.9	7.1
21	10	10	11	13e	10e	11	11	11	22	11	10	7.0
22	9.6	10	19	13e	10e	11	11	11	18	13	9.7	6.7
23	9.2	9.8	10	12e	10e	11	11	272	15	12	9.4	7.1
24	9.1	11	11	12e	10e	11	11	1400e	14	11	11	7.9
25	9.2	11	11	12e	10e	11	12	1000e	17	12	11	7.7
26	9.2	10	12	12e	10e	11	14	500e	16	12	10	7.6
27	9.2	10	13	12e	10e	11	12	250e	15	12	10	7.6
28	9.1	10	10.0	12e	12	11	12	170e	25	12	11	7.7
29	9.0	10	11	12e	12	11	12	170e	16	11	10	7.6
30	9.2	10	9.7	12e	---	11	12	170e	14	13	9.6	8.0
31	9.3	---	9.9	12e	---	11	---	160e	---	13	9.2	---
TOTAL	294.8	297.7	347.6	367.8	328	348	348	4573	1764	413.3	387.8	234
MEAN	9.5	10.0	11.2	11.8	11.3	11.3	11.6	147.5	58.8	13.4	12.5	7.8
MAX	11	11	19	14	12	12	14	1400	166	27	33	9.1
MIN	8.7	9.2	9.0	7.1	10	11	11	11	14	9.3	9.2	6.7
AC-FT	585	590	689	730	651	690	690	9070	3499	820	769	464
CAL YEAR 2007 TOTAL			6133	MEAN	16.8	MAX	286.0	MIN	1.3	AC-FT	12160	
WTR YEAR 2008 TOTAL			9704	MEAN	26.5	MAX	1400	MIN	6.7	AC-FT	19250	

e indicates estimated discharge.

## PLATTE RIVER BASIN

## KEARNEY CANAL from Platte River, 00073000

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

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	7.3	256	210	212
2	0.00	---	---	---	---	---	0.00	0.00	7.2	255	210	226
3	0.00	---	---	---	---	---	0.00	0.00	7.2	256	209	241
4	0.00	---	---	---	---	---	0.00	0.00	7.3	254	209	251
5	0.00	---	---	---	---	---	0.00	55	9.0	256	206	276
6	---	---	---	---	---	---	0.00	138	7.2	261	220	285
7	---	---	---	---	---	---	0.00	159	7.2	275	230	283
8	---	---	---	---	---	---	0.00	145	7.2	261	176	283
9	---	---	---	---	---	---	0.00	149	7.2	277	154	283
10	---	---	---	---	---	---	0.00	161	7.2	253	183	283
11	---	---	---	---	---	---	0.00	157	7.2	204	204	283
12	---	---	---	---	---	---	0.00	165	7.2	205	237	282
13	---	---	---	---	---	---	0.00	155	7.2	207	237	282
14	---	---	---	---	---	---	0.00	145	7.2	206	178	283
15	---	---	---	---	---	---	0.00	139	7.2	203	155	281
16	---	---	---	---	---	---	0.00	145	7.2	210	155	282
17	---	---	---	---	---	---	0.00	145	54	172	182	281
18	---	---	---	---	---	---	0.00	150	105	126	195	258
19	---	---	---	---	---	---	0.00	207	108	142	187	251
20	---	---	---	---	---	---	0.00	250	108	185	183	248
21	---	---	---	---	---	---	0.00	245	109	210	182	229
22	---	---	---	---	---	---	0.00	182	108	208	181	223
23	---	---	---	---	---	---	0.00	78	109	212	172	223
24	---	---	---	---	---	0.00	0.00	33	170	212	154	223
25	---	---	---	---	---	0.00	0.00	30	250	211	189	135
26	---	---	---	---	---	0.00	0.00	27	265	208	205	240
27	---	---	---	---	---	0.00	0.00	23	249	209	205	241
28	---	---	---	---	---	0.00	0.00	21	247	209	205	239
29	---	---	---	---	---	0.00	0.00	19	254	207	209	224
30	---	---	---	---	---	0.00	0.00	12	256	209	211	227
31	---	---	---	---	---	0.00	---	8.5	---	210	211	---
TOTAL	0	0	0	0	0	0	0	3143.5	2509.2	6769	6044	7558
MEAN	0.000	---	---	---	---	0.000	0.000	101.4	83.6	218.3	195.1	251.9
MAX	0.00	---	---	---	---	0.00	0.00	250	265	277	237	285
MIN	0.00	---	---	---	---	0.00	0.00	0.00	7.2	126	154	135
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6235	4977	13430	11990	14990
CAL YEAR 2007	MAX	342.0	MIN	0.000	AC-FT	96320						
WTR YEAR 2008	MAX	285.0	MIN	0.000	AC-FT	51620						

PLATTE RIVER BASIN

KEARNEY POWER RETURN to Platte River, 00075000

LOCATION.--NE1/4NE1/4 Sec. 10-8-16 W. at Kearney

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1939 - present

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	2.3	235	178	156
2	0.00	---	---	---	---	---	0.00	0.00	0.00	235	140	164
3	0.00	---	---	---	---	---	0.00	0.00	0.00	233	190	177
4	0.00	---	---	---	---	---	0.00	0.00	0.00	231	180	178
5	0.00	---	---	---	---	---	0.00	0.00	136	230	136	186
6	---	---	---	---	---	---	0.00	77	39	225	166	198
7	---	---	---	---	---	---	0.00	119	1.5	238	186	200
8	---	---	---	---	---	---	0.00	87	21	238	159	195
9	---	---	---	---	---	---	0.00	111	0.00	230	137	196
10	---	---	---	---	---	---	0.00	175	0.00	241	137	200
11	---	---	---	---	---	---	0.00	138	0.00	185	151	208
12	---	---	---	---	---	---	0.00	147	0.00	174	160	208
13	---	---	---	---	---	---	0.00	138	0.00	166	179	211
14	---	---	---	---	---	---	0.00	132	0.00	162	168	209
15	---	---	---	---	---	---	0.00	125	0.00	170	135	211
16	---	---	---	---	---	---	0.00	120	0.00	243	134	213
17	---	---	---	---	---	---	0.00	128	0.00	236	136	214
18	---	---	---	---	---	---	0.00	122	65	158	146	203
19	---	---	---	---	---	---	0.00	143	68	95	138	183
20	---	---	---	---	---	---	0.00	210	71	85	133	177
21	---	---	---	---	---	---	0.00	211	81	110	133	165
22	---	---	---	---	---	---	0.00	203	86	158	133	157
23	---	---	---	---	---	---	0.00	166	90	280	133	157
24	---	---	---	---	---	---	0.00	77	149	200	129	155
25	---	---	---	---	---	0.00	0.00	11	220	140	125	158
26	---	---	---	---	---	0.00	0.00	0.00	222	193	142	159
27	---	---	---	---	---	0.00	0.00	8.3	193	168	143	165
28	---	---	---	---	---	0.00	0.00	15	137	110	146	165
29	---	---	---	---	---	0.00	0.00	31	158	150	144	160
30	---	---	---	---	---	0.00	0.00	59	233	108	150	154
31	---	---	---	---	---	0.00	---	8.4	---	160	153	---
TOTAL	0	0	0	0	0	0	0	2761.7	1972.8	5787	4620	5482
MEAN	0.000	---	---	---	---	0.000	0.000	89.1	65.7	186.6	149.0	182.7
MAX	0.00	---	---	---	---	0.00	0.00	211	233	280	190	214
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.00	85	125	154
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5478	3913	11480	9164	10870
CAL YEAR 2007	MAX	372.0	MIN	0.000	AC-FT	83720						
WTR YEAR 2008	MAX	280.0	MIN	0.000	AC-FT	40910						

## PLATTE RIVER BASIN

## PLATE RIVER near Odessa, 06770000

LOCATION.--SW1/4NW1/4 Sec. 16-8-17 W., Phelps County, Lat. 40°39'53", Long 99°15'20", on right bank 15 feet downstream of county highway bridge, 2.5 miles south of Odessa and 5 miles downstream from Elm Creek.

DRAINAGE AREA.--58,100 square miles; approximately 53,300 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Datum of gage is 2195.07 feet above National Geodetic Vertical Datum of 1929. Before October 7, 1938, non-recording gage and October 7, 1938 to September 30, 1942, water-stage recorder, both at datum 3.00 feet higher. From October 1, 1942 to July 23, 1984, datum 2.00 feet higher.

PERIOD OF RECORD.--Mar. 1937 - present (monthly discharges only for some periods)

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Records fair except estimated records, are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 22,900 cubic feet per second June 29,1983, gage height 5.82 feet, datum then in use; maximum gage height 7.94 feet June 10, 1995; no flow for periods in each year before 1947 and in 1953-57, 1963.

EXTREMES FOR CURRENT YEAR.--Peak discharge estimated 14,000 cubic feet per second May 25, gage height 8.05 feet; minimum daily discharge 29 cubic feet per second September 29.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	229	590	600e	780	1010	450	514	449	1910	306	485	528
2	213	1240	700e	346	995	348	602	645	1140	283	530	287
3	196	1770	850e	701	957	419	562	676	1200	239	550	160
4	192	734	941	766	634	622	424	406	1280	227	534	109
5	489	458	1060	756	1120	586	378	382	3680	223	504	90
6	962	353	1050	414	1110	729	372	569	3890	239	870	70
7	363	339	981	322	1070	928	392	616	2040	328	996	64
8	282	337	915	511	1080	795	389	378	922	459	717	52
9	886	323	324	346	992	484	523	321	659	524	697	46
10	404	334	289	490	632	524	666	654	670	530	670	52
11	920	332	771	711	594	515	921	628	621	616	732	50
12	1040	310	770	590	984	563	814	663	589	571	1300	45
13	953	375	882	472	852	458	717	598	564	554	1160	62
14	510	916	872	386	756	634	804	834	488	559	582	51
15	432	426	875	883	971	814	448	1320	497	684	507	41
16	405e	827	411	938	791	506	423	1060	487	1270	456	47
17	405e	941	347	860	357	440	404	825	461	1360	404	52
18	410e	460	773	881	441	639	447	502	464	1680	363	51
19	410e	387	798	838	650	571	448	519	489	2390	338	51
20	425e	789	452	429	769	601	452	920	459	1860	314	58
21	450e	909	785	297	808	741	437	634	441	1420	272	73
22	605	806	824	1340	605	753	531	704	417	641	306	110
23	531	401	333	1400	553	718	436	1750	388	571	231	54
24	485	716	303	964	310	608	617	6380	470	549	359	38
25	725	399	802	1270	308	383	1140	10300	507	498	274	31
26	1430	340	354	1000	617	338	1250	13800	689	462	220	220
27	1980	320e	624	1140	638	525	521	8390	732	494	228	54
28	779	350e	793	781	466	680	460	4600	657	514	198	36
29	514	400e	823	1250	450	588	451	3070	471	541	618	29
30	467	500e	479	835	---	382	467	4400	355	533	2130	203
31	439	---	292	1090	---	355	---	3520	---	545	1280	---
TOTAL	18531	17382	21073	23787	21520	17697	17010	70513	27637	21670	18825	2814
MEAN	597.8	579.6	679.8	767.1	742.1	570.8	566.8	2275	921.8	699.0	607.3	93.8
MAX	1980	1770	1060	1400	1120	928	1250	13800	3890	2390	2130	528
MIN	192	310	289	297	308	338	372	321	355	223	198	29
AC-FT	36760	34480	41800	47180	42680	35100	33740	139900	54820	42980	37340	5581
CAL YEAR 2007	TOTAL		301661	MEAN	826.5	MAX	4120	MIN	58.0	AC-FT	598300	
WTR YEAR 2008	TOTAL		278459	MEAN	760.8	MAX	13800	MIN	29.0	AC-FT	552300	

e indicates estimated discharge.

# PLATTE RIVER BASIN

**WOOD RIVER near Alda, 06772000**

LOCATION.--NW1/4SW1/4 Sec. 8,T 10N,R 10 W., Hall County, Lat. 40° 51' 10", Long. 98° 28' 20", on right bank 1.2 miles south of Alda, 2.2 miles upstream from old north channel of the Platte River, and at mile 26.6 above mouth.

DRAINAGE AREA.--628 Square miles.

GAGE.--Continuous stage recorder, datum of gage 1897.66 ft. above sea level (U. S. Bureau of Reclamation bench mark)

PERIOD OF RECORD.--Oct. 1953 - present (monthly discharges only for some periods)

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994. Records are good, except estimated records are poor. Many small pump diversions for irrigation are above this station.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 1,630 cubic feet per second June 16, 1967 at gage height 12.22 feet; minimum daily discharge of zero many times during period of record.

EXTREMES FOR CURRENT YEAR.--Peak discharge 641 cubic feet per second June 8, gage height 10.73 feet; minimum daily discharge zero October 4 - 7, January 1 - 5, 19 - February 29.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.23	0.68	0.33e	0.00	0.00	0.10e	1.9	1.3	370	100	11	12
2	0.29	0.60	0.52e	0.00	0.00	0.18e	2.6	0.72	342	78	12	9.3
3	0.17	0.54	0.50e	0.00	0.00	0.35e	2.5	1.0	311	65	14	7.1
4	0.00	0.48	0.72e	0.00	0.00	0.25e	2.3	1.4	105	56	9.8	9.6
5	0.00	0.35	0.52e	0.00	0.00	0.29e	2.8	1.4	152	49	8.5	9.6
6	0.00	0.21	0.37e	0.27	0.00	0.23e	1.9	2.2	200	39	6.3	9.2
7	0.00	0.31	0.60e	0.11e	0.00	0.07e	0.78	2.8	391	29	8.7	7.6
8	0.57	0.61	0.52e	0.27e	0.00	0.20e	0.68	2.0	596	23	14	5.4
9	1.3	0.80	0.29e	0.21e	0.00	0.33e	0.49	1.5	570	20	15	4.4
10	1.6	0.69	0.47e	0.21e	0.00	0.17e	2.7	7.6	388	16	15	3.8
11	2.2	0.62	0.70e	0.30e	0.00	2.5	4.0	7.7	231	14	17	6.8
12	1.1	0.67	0.20e	0.18e	0.00	5.5	2.3	7.5	118	11	17	7.5
13	0.75	1.1	0.23e	0.04e	0.00	6.5	2.1	10	88	8.4	15	11
14	2.4	0.80	0.35e	0.08e	0.00	6.9	1.2	11	76	6.1	19	6.6
15	5.3	0.54	0.53e	0.10e	0.00	6.9	0.89	14	65	5.2	19	5.3
16	3.3	0.60	0.28e	0.06e	0.00	5.6	0.58	9.0	59	30	22	3.9
17	3.0	0.50	0.39e	0.10e	0.00	6.1	0.75	9.0	53	41	25	2.2
18	2.7	0.57	0.40e	0.09e	0.00	5.3	1.8	11	49	85	24	1.6
19	2.2	0.78	0.53e	0.00	0.00	4.4	1.2	8.1	47	182	19	1.3
20	2.5	0.97	0.43e	0.00	0.00	3.1	2.5	5.8	45	106	19	1.1
21	3.2	0.87	0.57e	0.00	0.00	4.2	1.2	4.8	43	83	20	0.84
22	2.3	0.89	0.44e	0.00	0.00	3.4	0.70	4.5	42	90	19	0.70
23	2.2	0.68	0.48e	0.00	0.00	3.6	0.58	33	40	73	13	0.51
24	2.1	0.59	0.63e	0.00	0.00	4.2	0.95	82	39	57	12	0.61
25	2.0	0.61	0.50e	0.00	0.00	2.6	2.2	149	223	44	12	0.57
26	1.4	0.76	0.22e	0.00	0.00	2.2	1.8	227	553	26	14	0.54
27	1.0	0.72e	0.33e	0.00	0.00	2.5	1.3	265	497	18	16	1.5
28	0.96	0.35e	0.55e	0.00	0.00	1.3	1.2	316	510	14	16	1.5
29	1.3	0.20e	0.42e	0.00	0.00	1.1	1.8	345	516	9.6	16	1.2
30	1.3	0.13e	0.35e	0.00	---	1.4	2.0	354	183	12	15	1.0
31	0.83	---	0.20e	0.00	---	1.7	---	331	---	12	14	---
TOTAL	48.2	18.22	13.57	2.02	0	83.17	49.7	2226.32	6902	1402.3	477.3	134.27
MEAN	1.5	0.61	0.44	0.065	0.000	2.7	1.7	71.8	230.1	45.2	15.5	4.5
MAX	5.3	1.1	0.72	0.30	0.00	6.9	4.0	354	596	182	25	12
MIN	0.00	0.13	0.20	0.00	0.00	0.07	0.49	0.72	39	5.2	6.3	0.51
AC-FT	96	36	27	4.0	0.00	165	99	4416	13690	2781	947	266
CAL YEAR 2007	TOTAL		6715	MEAN	18.4	MAX	353.0	MIN	0.000	AC-FT	13320	
WTR YEAR 2008	TOTAL		11357	MEAN	31.0	MAX	596.0	MIN	0.000	AC-FT	22530	

e indicates estimated discharge.

**PLATTE RIVER BASIN  
( Loup River )**

**SARGENT CANAL from Middle Loup River, 00130000**

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

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	0.00	79	244	149
2	---	---	---	---	---	---	---	---	0.00	90	232	178
3	---	---	---	---	---	---	---	---	0.00	96	227	171
4	---	---	---	---	---	---	---	---	0.00	98	231	171
5	---	---	---	---	---	---	---	---	0.00	112	201	139
6	---	---	---	---	---	---	---	---	0.00	119	173	89
7	---	---	---	---	---	---	---	---	0.00	105	170	71
8	---	---	---	---	---	---	---	---	0.00	99	169	56
9	---	---	---	---	---	---	---	---	0.00	112	152	49
10	---	---	---	---	---	---	---	---	0.00	135	148	50
11	---	---	---	---	---	---	---	---	0.00	163	148	51
12	---	---	---	---	---	---	---	---	0.00	178	126	50
13	---	---	---	---	---	---	---	---	0.00	178	111	52
14	---	---	---	---	---	---	---	---	0.00	191	84	51
15	---	---	---	---	---	---	---	---	0.00	215	78	55
16	---	---	---	---	---	---	---	---	0.00	187	77	64
17	---	---	---	---	---	---	---	---	0.00	156	76	68
18	---	---	---	---	---	---	---	---	0.00	138	107	68
19	---	---	---	---	---	---	---	---	0.00	132	158	32
20	---	---	---	---	---	---	---	---	0.00	133	204	0.00
21	---	---	---	---	---	---	---	---	0.00	189	199	0.00
22	---	---	---	---	---	---	---	---	11	220	193	0.00
23	---	---	---	---	---	---	---	---	47	230	184	0.00
24	---	---	---	---	---	---	---	---	57	231	183	0.00
25	---	---	---	---	---	---	---	---	59	161	182	0.00
26	---	---	---	---	---	---	---	---	60	100	182	0.00
27	---	---	---	---	---	---	---	---	60	92	186	0.00
28	---	---	---	---	---	---	---	---	63	118	198	0.00
29	---	---	---	---	---	---	---	---	66	171	183	0.00
30	---	---	---	---	---	---	---	---	69	226	155	0.00
31	---	---	---	---	---	---	---	---	---	242	149	---
TOTAL	0	0	0	0	0	0	0	0	492	4696	5110	1614
MEAN	---	---	---	---	---	---	---	---	16.4	151.4	164.8	53.8
MAX	---	---	---	---	---	---	---	---	69	242	244	178
MIN	---	---	---	---	---	---	---	---	0.00	79	76	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	976	9314	10140	3201
CAL YEAR 2007	TOTAL		11809	MEAN	108.3	MAX	226.0	MIN	0.000	AC-FT	23420	
WTR YEAR 2008	TOTAL		11912	MEAN	97.6	MAX	244.0	MIN	0.000	AC-FT	23630	

**PLATTE RIVER BASIN  
( Loup River )**

**MIDDLE LOUP CANAL NO. 1 from Middle Loup River, 00090000**

LOCATION.--SW1/4NW1/4 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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	22	15	14	38	37
2	---	---	---	---	---	---	---	17	16	15	37	37
3	---	---	---	---	---	---	---	17	16	17	38	37
4	---	---	---	---	---	---	---	16	16	21	39	37
5	---	---	---	---	---	---	---	16	14	23	39	34
6	---	---	---	---	---	---	---	16	12	27	39	32
7	---	---	---	---	---	---	---	17	12	27	39	28
8	---	---	---	---	---	---	---	17	12	29	39	22
9	---	---	---	---	---	---	---	18	6.0	30	39	20
10	---	---	---	---	---	---	---	18	0.00	31	39	19
11	---	---	---	---	---	---	---	18	0.00	34	38	17
12	---	---	---	---	---	---	---	18	0.00	40	35	16
13	---	---	---	---	---	---	---	19	0.00	42	33	15
14	---	---	---	---	---	---	---	18	0.00	43	30	15
15	---	---	---	---	---	---	---	18	0.00	44	27	15
16	---	---	---	---	---	---	---	16	0.00	36	32	15
17	---	---	---	---	---	---	---	16	0.00	29	36	15
18	---	---	---	---	---	---	---	17	0.00	28	35	15
19	---	---	---	---	---	---	---	17	0.00	32	36	5.1
20	---	---	---	---	---	---	---	17	0.00	37	37	0.00
21	---	---	---	---	---	---	---	16	0.00	37	37	0.00
22	---	---	---	---	---	---	---	17	0.00	42	37	0.00
23	---	---	---	---	---	---	---	13	0.00	41	37	0.00
24	---	---	---	---	---	---	---	12	7.2	41	36	0.00
25	---	---	---	---	---	---	---	11	14	41	36	0.00
26	---	---	---	---	---	---	---	10	15	40	36	0.00
27	---	---	---	---	---	---	---	9.9	14	40	36	0.00
28	---	---	---	---	---	---	---	10.0	14	40	36	0.00
29	---	---	---	---	---	---	---	10	14	39	37	0.00
30	---	---	---	---	---	---	---	12	14	38	37	0.00
31	---	---	---	---	---	---	---	15	---	35	37	---
TOTAL	0	0	0	0	0	0	0	483.9	211.2	1033	1127	431.1
MEAN	---	---	---	---	---	---	---	15.6	7.1	33.3	36.4	14.4
MAX	---	---	---	---	---	---	---	22	16	44	39	37
MIN	---	---	---	---	---	---	---	9.9	0.00	14	27	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	960	419	2049	2235	855
CAL YEAR 2007	MAX	45.0	MIN	0.000	AC-FT	5969						
WTR YEAR 2008	MAX	44.0	MIN	0.000	AC-FT	6518						



**PLATTE RIVER BASIN  
( Loup River )**

**MIDDLE LOUP CANAL NO. 1 PUMP from Middle Loup River, 00090200**

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

GAGE.--Flow Meter

PERIOD OF RECORD.--1987 - present

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	0.00	9.0	---
2	---	---	---	---	---	---	---	---	---	0.00	9.0	---
3	---	---	---	---	---	---	---	---	---	0.00	9.0	---
4	---	---	---	---	---	---	---	---	---	0.00	5.6	---
5	---	---	---	---	---	---	---	---	---	0.00	0.00	---
6	---	---	---	---	---	---	---	---	---	0.00	0.00	---
7	---	---	---	---	---	---	---	---	---	0.00	0.00	---
8	---	---	---	---	---	---	---	---	---	0.00	0.00	---
9	---	---	---	---	---	---	---	---	---	0.00	0.00	---
10	---	---	---	---	---	---	---	---	---	0.00	0.00	---
11	---	---	---	---	---	---	---	---	---	0.00	5.7	---
12	---	---	---	---	---	---	---	---	---	0.00	9.0	---
13	---	---	---	---	---	---	---	---	---	0.00	9.0	---
14	---	---	---	---	---	---	---	---	---	0.00	9.0	---
15	---	---	---	---	---	---	---	---	---	0.00	9.0	---
16	---	---	---	---	---	---	---	---	---	0.00	3.4	---
17	---	---	---	---	---	---	---	---	---	0.00	0.00	---
18	---	---	---	---	---	---	---	---	---	0.00	0.00	---
19	---	---	---	---	---	---	---	---	---	0.00	0.00	---
20	---	---	---	---	---	---	---	---	---	0.00	0.00	---
21	---	---	---	---	---	---	---	---	---	0.00	0.00	---
22	---	---	---	---	---	---	---	---	---	0.00	0.00	---
23	---	---	---	---	---	---	---	---	---	0.00	0.00	---
24	---	---	---	---	---	---	---	---	---	0.00	0.00	---
25	---	---	---	---	---	---	---	---	---	0.00	0.00	---
26	---	---	---	---	---	---	---	---	---	0.00	0.00	---
27	---	---	---	---	---	---	---	---	---	0.00	0.00	---
28	---	---	---	---	---	---	---	---	---	0.00	0.00	---
29	---	---	---	---	---	---	---	---	---	0.00	0.00	---
30	---	---	---	---	---	---	---	---	---	4.1	0.00	---
31	---	---	---	---	---	---	---	---	---	9.0	0.00	---
TOTAL	0	0	0	0	0	0	0	0	0	13.1	77.7	0
MEAN	---	---	---	---	---	---	---	---	---	0.42	2.5	---
MAX	---	---	---	---	---	---	---	---	---	9.0	9.0	---
MIN	---	---	---	---	---	---	---	---	---	0.00	0.00	---
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26	154	0.00
CAL YEAR 2007	MAX	9.0	MIN	0.000	AC-FT	284						
WTR YEAR 2008	MAX	9.0	MIN	0.000	AC-FT	180						

**PLATTE RIVER BASIN  
( L o u p R i v e r )**

**MIDDLE LOUP CANAL NO. 2 from Middle Loup River, 00091000**

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	13	12	50	43
2	---	---	---	---	---	---	---	0.00	13	14	50	38
3	---	---	---	---	---	---	---	0.00	12	14	50	35
4	---	---	---	---	---	---	---	0.00	11	16	50	34
5	---	---	---	---	---	---	---	0.00	9.5	17	48	31
6	---	---	---	---	---	---	---	0.00	9.6	18	46	28
7	---	---	---	---	---	---	---	0.00	9.4	19	44	27
8	---	---	---	---	---	---	---	0.00	9.3	19	43	25
9	---	---	---	---	---	---	---	0.00	9.2	18	43	23
10	---	---	---	---	---	---	---	0.00	9.6	22	44	23
11	---	---	---	---	---	---	---	0.00	10	24	46	23
12	---	---	---	---	---	---	---	0.00	10	26	44	23
13	---	---	---	---	---	---	---	23	10	29	36	23
14	---	---	---	---	---	---	---	20	10.0	33	33	24
15	---	---	---	---	---	---	---	19	9.9	38	32	24
16	---	---	---	---	---	---	---	18	9.3	36	32	25
17	---	---	---	---	---	---	---	18	8.1	32	32	26
18	---	---	---	---	---	---	---	17	8.2	28	34	25
19	---	---	---	---	---	---	---	16	8.7	30	41	7.9
20	---	---	---	---	---	---	---	16	8.8	33	43	0.00
21	---	---	---	---	---	---	---	16	8.8	36	43	0.00
22	---	---	---	---	---	---	---	16	8.7	41	45	0.00
23	---	---	---	---	---	---	---	18	8.7	43	45	0.00
24	---	---	---	---	---	---	---	18	9.2	43	45	0.00
25	---	---	---	---	---	---	---	16	9.9	39	44	0.00
26	---	---	---	---	---	---	---	15	10	36	45	0.00
27	---	---	---	---	---	---	---	16	11	36	45	0.00
28	---	---	---	---	---	---	---	15	11	38	46	0.00
29	---	---	---	---	---	---	---	15	11	41	46	0.00
30	---	---	---	---	---	---	0.00	14	11	44	46	0.00
31	---	---	---	---	---	---	---	14	---	47	44	---
TOTAL	0	0	0	0	0	0	0	320	297.9	922	1335	507.9
MEAN	---	---	---	---	---	---	0.000	10.3	9.9	29.8	43.1	16.9
MAX	---	---	---	---	---	---	0.00	23	13	47	50	43
MIN	---	---	---	---	---	---	0.00	0.00	8.1	12	32	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	635	591	1829	2648	1007
CAL YEAR 2007	MAX	47.0	MIN	0.000	AC-FT	5703						
WTR YEAR 2008	MAX	50.0	MIN	0.000	AC-FT	6710						

**PLATTE RIVER BASIN**  
**( Loup River )**

**MIDDLE LOUP CANAL NO. 3 from Middle Loup River, 00092000**

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 Hydrographic Report

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	38	24	112	118
2	---	---	---	---	---	---	---	0.00	38	23	112	110
3	---	---	---	---	---	---	---	0.00	37	36	121	98
4	---	---	---	---	---	---	---	0.00	37	44	132	96
5	---	---	---	---	---	---	---	19	36	47	120	92
6	---	---	---	---	---	---	---	26	34	49	115	91
7	---	---	---	---	---	---	---	46	33	52	115	90
8	---	---	---	---	---	---	---	26	34	52	117	90
9	---	---	---	---	---	---	---	29	34	61	129	90
10	---	---	---	---	---	---	---	29	34	86	135	89
11	---	---	---	---	---	---	---	30	34	91	133	76
12	---	---	---	---	---	---	---	30	34	109	123	64
13	---	---	---	---	---	---	---	29	32	134	116	63
14	---	---	---	---	---	---	---	29	33	123	108	62
15	---	---	---	---	---	---	---	30	32	120	105	61
16	---	---	---	---	---	---	---	30	32	125	107	60
17	---	---	---	---	---	---	---	30	31	110	107	51
18	---	---	---	---	---	---	---	30	32	64	108	44
19	---	---	---	---	---	---	---	30	32	68	110	17
20	---	---	---	---	---	---	---	30	32	80	127	0.00
21	---	---	---	---	---	---	---	34	32	106	129	0.00
22	---	---	---	---	---	---	---	40	32	105	126	0.00
23	---	---	---	---	---	---	---	40	32	108	126	0.00
24	---	---	---	---	---	---	---	40	31	109	130	0.00
25	---	---	---	---	---	---	---	37	29	122	119	0.00
26	---	---	---	---	---	---	---	37	28	124	116	0.00
27	---	---	---	---	---	---	---	39	27	123	125	0.00
28	---	---	---	---	---	---	---	39	27	123	134	0.00
29	---	---	---	---	---	---	---	39	26	123	134	0.00
30	---	---	---	---	---	---	---	38	25	118	124	0.00
31	---	---	---	---	---	---	---	38	---	115	120	---
TOTAL	0	0	0	0	0	0	0	894	968	2774	3735	1462
MEAN	---	---	---	---	---	---	---	28.9	32.3	89.6	120.5	48.7
MAX	---	---	---	---	---	---	---	46	38	134	135	118
MIN	---	---	---	---	---	---	---	0.00	25	23	105	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1773	1920	5502	7408	2900
CAL YEAR 2007	MAX	168.0	MIN	0.000	AC-FT	20370						
WTR YEAR 2008	MAX	135.0	MIN	0.000	AC-FT	19500						

**PLATTE RIVER BASIN  
( L o u p R i v e r )**

**MIDDLE LOUP CANAL NO. 4 from Middle Loup River, 00093000**

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	36	36	34	120	109
2	---	---	---	---	---	---	0.00	38	37	29	120	94
3	---	---	---	---	---	---	0.00	38	36	43	120	77
4	---	---	---	---	---	---	0.00	38	37	58	122	75
5	---	---	---	---	---	---	0.00	39	32	60	117	78
6	---	---	---	---	---	---	0.00	38	27	61	119	69
7	---	---	---	---	---	---	0.00	35	27	64	122	58
8	---	---	---	---	---	---	0.00	35	29	67	116	59
9	---	---	---	---	---	---	0.00	37	28e	66	115	59
10	---	---	---	---	---	---	0.00	38	27e	66	118	59
11	---	---	---	---	---	---	0.00	38	29e	83	116	55
12	---	---	---	---	---	---	0.00	39	30e	97	108	50
13	---	---	---	---	---	---	0.00	37	27e	97	96	50
14	---	---	---	---	---	---	0.00	37	24e	99	82	49
15	---	---	---	---	---	---	0.00	37	25e	114	83	50
16	---	---	---	---	---	---	0.00	32	26e	119	84	49
17	---	---	---	---	---	---	0.00	29	27e	101	84	49
18	---	---	---	---	---	---	0.00	29	28	84	85	45
19	---	---	---	---	---	---	0.00	29	29	85	104	14
20	---	---	---	---	---	---	0.00	35	29	90	115	0.00
21	---	---	---	---	---	---	0.00	35	29	94	115	0.00
22	---	---	---	---	---	---	0.00	34	29	98	117	0.00
23	---	---	---	---	---	---	0.00	30	29	101	113	0.00
24	---	---	---	---	---	---	0.00	27	29	103	114	0.00
25	---	---	---	---	---	---	3.7	27	30	108	116	0.00
26	---	---	---	---	---	---	14	26	31	116	114	0.00
27	---	---	---	---	---	---	21	29	31	118	113	0.00
28	---	---	---	---	---	---	48	27	33	118	111	0.00
29	---	---	---	---	---	---	32	31	33	117	110	0.00
30	---	---	---	---	---	---	34	38	33	120	109	0.00
31	---	---	---	---	---	---	---	36	---	120	110	---
TOTAL	0	0	0	0	0	0	152.7	1054	897	2730	3388	1148
MEAN	---	---	---	---	---	---	5.1	34.1	29.9	88.1	109.3	38.3
MAX	---	---	---	---	---	---	48	39	37	120	122	109
MIN	---	---	---	---	---	---	0.00	26	24	29	82	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	303	2091	1779	5415	6720	2277
CAL YEAR 2007	MAX	129.0	MIN	0.000	AC-FT	16590						
WTR YEAR 2008	MAX	122.0	MIN	0.000	AC-FT	18580						

**PLATTE RIVER BASIN  
( Loup River )**

**FARWELL (SHERMAN FEEDER) CANAL from Middle Loup River, 00047000**

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 152 A.F. delivered to Middle Loup Canal No. 4

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	0.00	375	381	51	257	233	318
2	---	---	---	---	---	0.00	380	381	49	256	209	398
3	---	---	---	---	---	0.00	381	381	48	259	217	407
4	---	---	---	---	---	0.00	381	381	53	260	268	406
5	---	---	---	---	---	0.00	381	379	51	260	268	440
6	---	---	---	---	---	0.00	380	387	49	251	292	429
7	---	---	---	---	---	0.00	380	388	53	312	329	401
8	---	---	---	---	---	0.00	365	386	53	351	330	404
9	---	---	---	---	---	0.00	357	388	52	350	325	406
10	---	---	---	---	---	0.00	380	386	54	354	344	404
11	---	---	---	---	---	0.00	381	383	54	356	347	403
12	---	---	---	---	---	0.00	382	385	177	355	405	399
13	---	---	---	---	---	0.00	378	381	328	352	450	386
14	---	---	---	---	---	0.00	382	384	384	348	455	379
15	---	---	---	---	---	0.00	385	385	385	301	457	382
16	---	---	---	---	---	0.00	385	385	391	346	456	381
17	---	---	---	---	---	0.00	384	388	449	355	455	379
18	---	---	---	---	---	0.00	381	389	553	355	455	376
19	---	---	---	---	---	0.00	383	447	658	352	443	380
20	---	---	---	---	---	32	382	492	654	348	379	382
21	---	---	---	---	---	100	384	490	652	353	327	381
22	---	---	---	---	---	183	385	488	655	353	326	380
23	---	---	---	---	---	237	383	385	477	338	320	381
24	---	---	---	---	---	339	380	303	305	320	327	381
25	---	---	---	---	---	380	382	307	274	363	332	382
26	---	---	---	---	---	380	380	307	254	435	316	150
27	---	---	---	---	---	381	381	142	252	456	316	0.00
28	---	---	---	---	---	383	365	88	253	454	319	0.00
29	---	---	---	---	---	384	381	52	254	398	308	0.00
30	---	---	---	---	---	385	384	49	256	325	310	0.00
31	---	---	---	---	---	381	---	50	---	266	319	---
TOTAL	0	0	0	0	0	3565	11388	10518	8178	10439	10637	9915
MEAN	---	---	---	---	---	115.0	379.6	339.3	272.7	336.7	343.1	330.5
MAX	---	---	---	---	---	385	385	492	658	456	457	440
MIN	---	---	---	---	---	0.00	357	49	48	251	209	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	7071	22590	20860	16220	20710	21100	19670
CAL YEAR MAX		508.0	MIN	0.000	AC-FT	87250						
WTR YEAR MAX		658.0	MIN	0.000	AC-FT	128200						

**PLATTE RIVER BASIN  
( Loup River )**

**MIDDLE LOUP CANAL NO. 4 from Sherman Feeder Canal, 00093200**

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
2	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
3	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
4	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
5	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
6	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
7	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
8	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
9	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
10	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
11	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
12	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
13	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
14	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
15	---	---	---	---	---	---	0.00	0.00	0.00	12	---	---
16	---	---	---	---	---	---	0.00	0.00	0.00	4.4	---	---
17	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
18	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
19	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
20	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
21	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
22	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
23	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
24	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
25	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
26	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
27	---	---	---	---	---	---	34	0.00	0.00	0.00	---	---
28	---	---	---	---	---	---	26	0.00	0.00	0.00	---	---
29	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
30	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
31	---	---	---	---	---	---	---	0.00	---	0.00	---	---
TOTAL	0	0	0	0	0	0	60	0	0	16.4	0	0
MEAN	---	---	---	---	---	---	2.0	0.000	0.000	0.52	---	---
MAX	---	---	---	---	---	---	34	0.00	0.00	12	---	---
MIN	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	119	0.00	0.00	33	0.00	0.00
CAL YEAR 2007	MAX	39.0	MIN	0.000	AC-FT	418						
WTR YEAR 2008	MAX	34.0	MIN	0.000	AC-FT	152						

**PLATTE RIVER BASIN**  
**( Loup River )**

**SHERMAN RESERVOIR from the Middle Loup River, 06784200**

LOCATION.--SW1/4SW1/4 Sec. 36-16-14 W.

GAGE.--Staff gage

PERIOD OF RECORD.--1963 - present

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of conservation pool	2,162.3	69,076
Top of dead storage pool	2,118.5	3,839

## STORAGE ( ACFT ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	30120	29690	28710	28550	28070	27600	34360	53700	69940	69360	61080	45580
2	30120	29530	28870	28550	28070	27760	35090	54430	69940	69360	60280	45370
3	30120	29530	28870	28390	28070	27600	35840	54920	69360	69360	59240	45150
4	29850	29530	28870	28390	28070	27600	36590	55420	69360	69080	58460	45150
5	29850	29530	28870	28550	28070	27760	37160	56170	69940	69080	57690	45150
6	29850	29530	28870	28550	27920	27760	37940	56420	69940	69360	56680	45370
7	29850	29360	28710	28390	27920	27760	38520	57180	69360	69080	56170	45370
8	29850	29360	28710	28390	27920	27440	39310	57690	69360	69080	55420	45810
9	29850	29360	28710	28390	27920	27440	39910	58460	68790	69080	54670	46250
10	29850	29360	28870	28390	27920	27440	40520	58980	68210	68500	53940	46700
11	29850	29360	28710	28390	27920	27440	41540	59750	67650	68210	53550	47590
12	29850	29360	28710	28390	27920	27440	42170	60280	67090	67650	52970	48040
13	29850	29200	28710	28390	27920	27440	42800	60810	66810	67090	52720	48730
14	29850	29200	28710	28390	27920	27440	43420	61340	66810	66810	52720	49420
15	29850	29200	28710	28390	27760	27290	44070	61870	66810	66250	52970	49880
16	30120	29200	28710	28390	27760	27290	44720	62400	66810	65680	53210	50580
17	29850	29200	28710	28230	27920	27290	45370	62940	67090	65960	53550	51060
18	30120	29200	28710	28230	27760	27290	46030	63490	67090	66250	53700	51770
19	30120	29040	28710	28230	27760	27290	46700	63760	67370	66530	53550	52240
20	29850	29040	28710	28230	27760	27290	47140	64580	67930	66530	52720	52970
21	30120	29040	28710	28230	27760	27290	47810	65130	68790	66810	52000	53550
22	29850	29040	28710	28230	27760	27440	48500	65960	69360	66810	51060	54180
23	29850	29040	28710	28230	27760	27920	48960	67090	69650	67090	50110	54670
24	29850	28870	28550	28230	27760	28550	49650	68500	69360	66530	49420	55170
25	29850	28870	28550	28070	27760	29360	50350	68790	69360	65960	48500	55670
26	29850	28870	28550	28070	27760	30120	50820	69360	69360	65130	47810	56170
27	29690	28870	28550	28070	27600	30690	51530	69650	69360	64580	47310	56420
28	29690	28870	28550	28070	27600	31370	52000	70230	69360	64040	46920	56420
29	29690	28870	28550	28070	27600	32050	52480	70230	69360	63220	46480	56420
30	29690	28870	28550	28070	---	32930	53210	70230	69360	62400	45810	56420
31	29690	---	28550	28070	---	33630	---	69940	---	61870	45580	---
MEAN	29890	29200	28700	28300	27850	28420	44150	62570	68630	66860	52780	50440
MAX	30120	29690	28870	28550	28070	33630	53210	70230	69940	69360	61080	56420
MIN	29690	28870	28550	28070	27600	27290	34360	53700	66810	61870	45580	45150
CAL YEAR 2007	MEAN	42790	MAX	69650	MIN	28550						
WTR YEAR 2008	MEAN	43180	MAX	70230	MIN	27290						

# PLATTE RIVER BASIN ( Loup River )

FARWELL "MAIN" CANAL from Sherman Reservoir, 00048000

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	0.00	109	412	300
2	---	---	---	---	---	---	---	0.00	62	123	401	306
3	---	---	---	---	---	---	---	0.00	100	126	401	252
4	---	---	---	---	---	---	---	0.00	104	123	406	242
5	---	---	---	---	---	---	---	0.00	102	133	418	212
6	---	---	---	---	---	---	---	0.00	102	139	418	170
7	---	---	---	---	---	---	---	0.00	101	205	406	161
8	---	---	---	---	---	---	---	0.00	101	245	418	126
9	---	---	---	---	---	---	---	0.00	124	287	383	82
10	---	---	---	---	---	---	---	0.00	157	324	370	77
11	---	---	---	---	---	---	---	0.00	165	354	350	24
12	---	---	---	---	---	---	---	0.00	155	354	326	0.00
13	---	---	---	---	---	---	---	0.00	150	354	223	0.00
14	---	---	---	---	---	---	---	0.00	150	343	153	0.00
15	---	---	---	---	---	---	---	0.00	150	379	119	0.00
16	---	---	---	---	---	---	---	0.00	152	153	123	0.00
17	---	---	---	---	---	---	---	0.00	158	58	126	0.00
18	---	---	---	---	---	---	---	0.00	162	80	240	0.00
19	---	---	---	---	---	---	---	0.00	162	96	365	0.00
20	---	---	---	---	---	---	---	0.00	155	96	453	0.00
21	---	---	---	---	---	---	---	0.00	147	117	467	0.00
22	---	---	---	---	---	---	---	0.00	144	183	461	0.00
23	---	---	---	---	---	---	---	0.00	147	290	441	0.00
24	---	---	---	---	---	---	---	0.00	142	366	434	0.00
25	---	---	---	---	---	---	---	0.00	133	409	400	0.00
26	---	---	---	---	---	---	---	0.00	128	412	364	0.00
27	---	---	---	---	---	---	---	0.00	121	412	324	0.00
28	---	---	---	---	---	---	---	0.00	113	424	311	0.00
29	---	---	---	---	---	---	---	0.00	111	435	283	0.00
30	---	---	---	---	---	---	---	0.00	109	418	253	0.00
31	---	---	---	---	---	---	---	0.00	---	406	246	---
TOTAL	0	0	0	0	0	0	0	0	3807	7953	10495	1952
MEAN	---	---	---	---	---	---	---	0.000	126.9	256.5	338.5	65.1
MAX	---	---	---	---	---	---	---	0.00	165	435	467	306
MIN	---	---	---	---	---	---	---	0.00	0.00	58	119	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7551	15770	20820	3872
CAL YEAR 2007	MAX	563.0	MIN	0.000	AC-FT	49260						
WTR YEAR 2008	MAX	467.0	MIN	0.000	AC-FT	48010						



**PLATTE RIVER BASIN**  
**( Loup River )**

**FARWELL "SOUTH" CANAL from Sherman Reservoir, 00049000**

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

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	0.00	63	234	191
2	---	---	---	---	---	---	---	0.00	38	60	239	171
3	---	---	---	---	---	---	---	0.00	60	58	243	128
4	---	---	---	---	---	---	---	0.00	58	60	272	120
5	---	---	---	---	---	---	---	0.00	59	60	281	120
6	---	---	---	---	---	---	---	0.00	59	60	277	107
7	---	---	---	---	---	---	---	0.00	60	85	259	103
8	---	---	---	---	---	---	---	0.00	60	106	257	87
9	---	---	---	---	---	---	---	0.00	67	128	246	66
10	---	---	---	---	---	---	---	0.00	77	162	239	72
11	---	---	---	---	---	---	---	0.00	86	186	232	23
12	---	---	---	---	---	---	---	0.00	88	202	221	0.00
13	---	---	---	---	---	---	---	0.00	88	206	190	0.00
14	---	---	---	---	---	---	---	0.00	88	217	154	0.00
15	---	---	---	---	---	---	---	0.00	88	236	122	0.00
16	---	---	---	---	---	---	---	0.00	89	90	125	0.00
17	---	---	---	---	---	---	---	0.00	91	40	129	0.00
18	---	---	---	---	---	---	---	0.00	92	37	188	0.00
19	---	---	---	---	---	---	---	0.00	93	38	238	0.00
20	---	---	---	---	---	---	---	0.00	92	39	265	0.00
21	---	---	---	---	---	---	---	0.00	92	54	279	0.00
22	---	---	---	---	---	---	---	0.00	92	82	279	0.00
23	---	---	---	---	---	---	---	0.00	87	117	241	0.00
24	---	---	---	---	---	---	---	0.00	84	166	228	0.00
25	---	---	---	---	---	---	---	0.00	80	249	207	0.00
26	---	---	---	---	---	---	---	0.00	78	283	200	0.00
27	---	---	---	---	---	---	---	0.00	77	287	191	0.00
28	---	---	---	---	---	---	---	0.00	74	279	181	0.00
29	---	---	---	---	---	---	---	0.00	74	279	194	0.00
30	---	---	---	---	---	---	---	0.00	70	257	182	0.00
31	---	---	---	---	---	---	---	0.00	---	241	174	---
TOTAL	0	0	0	0	0	0	0	0	2241	4427	6767	1188
MEAN	---	---	---	---	---	---	---	0.000	74.8	142.9	218.3	39.6
MAX	---	---	---	---	---	---	---	0.00	93	287	281	191
MIN	---	---	---	---	---	---	---	0.00	0.00	37	122	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4445	8781	13420	2356
CAL YEAR 2007	MAX	309.0	MIN	0.000	AC-FT	26410						
WTR YEAR 2008	MAX	287.0	MIN	0.000	AC-FT	29000						

**PLATTE RIVER BASIN  
( Loup River )**

**MUD CREEK near Sweetwater, 06783500**

LOCATION.--NE1/4SE1/4 Sec. 3-12-15 W., Buffalo County, Lat. 41° 02' 15", Long. 98° 59' 35", on right bank 10 feet downstream from bridge on State Highway 2, 0.9 mile southeast of Sweetwater, and 11.6 miles upstream from mouth.

DRAINAGE AREA.--707 square miles, approx. 655 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is 2,013.69 feet above sea level.

PERIOD OF RECORD.--July 1946 - present

REMARKS.--Record published by U. S. Geological Survey up to October 1 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge estimated 27,000 cubic feet per second June 22, 1947, gage height 23.20 feet. Peak discharge computed 5,600 cubic feet per second June 24, 1968, gage height 20.07 feet; minimum daily discharge zero at times in 1955, 1956, 2002, 2003.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,120 cubic feet per second May 26, gage height 15.31 feet; minimum daily discharge 14 cubic feet per second October 1 & 2, estimated December 9.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	14	17	18e	18e	20e	24e	22	24	116	34	22	21
2	14	17	17e	17e	21e	23e	22	23	276	50	23	23
3	15	17	15e	19e	22e	22e	23	23	253	116	23	23
4	15	17	17e	20e	22e	21e	24	23	169	52	22	25
5	15	17	17e	21e	22e	20e	23	23	813	40	21	22
6	15	17	16e	21e	22e	19e	23	22	413	33	19	22
7	15	17	19e	21e	23e	18e	22	23	119	32	22	24
8	16	17	16e	20e	22e	21e	23	23	208	32	22	25
9	15	17	14e	21e	24e	20e	22	23	155	30	21	26
10	15	17	16e	19e	23e	22e	24	27	187	29	20	27
11	15	17	19e	20e	22e	25	28	33	102	28	21	138
12	16	17	19e	20e	21e	22	31	37	73	28	22	61
13	15	17	21e	20e	21e	22	33	47	57	26	19	51
14	16	18	21e	21e	23e	22	30	33	49	25	19	34
15	17	18	20e	22e	22e	22	26	28	46	26	19	33
16	18	18	19e	22e	22e	22	26	27	43	300	25	29
17	18	18	20e	22e	24e	22	25	27	41	106	23	27
18	19	18	21e	21e	24e	23	24	25	43	89	22	28
19	20	18	20e	19e	23e	23	24	24	144	155	20	27
20	19	18	23e	20e	22e	23	24	23	61	146	16	27
21	18	18	21e	19e	21e	23	23	22	52	62	16	26
22	20	18	21e	20e	22e	24	23	22	48	40	18	25
23	19	15e	19e	21e	23e	22	22	233	41	32	18	24
24	18	16e	20e	18e	22e	22	22	903	38	30	18	24
25	17	16e	20e	20e	20e	22	24	966	37	29	18	25
26	16	17e	19e	20e	19e	22	24	986	37	28	19	27
27	16	18e	19e	21e	21e	22	26	500	41	27	17	26
28	16	16e	21e	22e	23e	21	35	200	44	30	19	24
29	16	19e	21e	22e	22e	21	28	338	37	30	19	24
30	16	16e	19e	20e	---	21	25	384	37	26	20	23
31	17	---	20e	19e	---	22	---	157	---	24	22	---
TOTAL	511	516	588	626	638	678	751	5249	3780	1735	625	941
MEAN	16.6	17.2	19.0	20.2	22.1	21.8	25.0	169.2	126.0	55.9	20.2	31.3
MAX	20	19	23	22	24	25	35	986	813	300	25	138
MIN	14	15	14	17	19	18	22	22	37	24	16	21
AC-FT	1014	1023	1166	1242	1265	1345	1490	10410	7498	3441	1240	1866
CAL YEAR 2007	TOTAL		23632	MEAN	64.7	MAX	1840	MIN	7.9	AC-FT	46870	
WTR YEAR 2008	TOTAL		16638	MEAN	45.5	MAX	986.0	MIN	14.0	AC-FT	33000	

e indicates estimated discharge.

**PLATTE RIVER BASIN  
( Loup River )**

**TURKEY CREEK near Dannebrog, 06784800**

LOCATION.--SW1/4NW1/4 Sec. 26-14-11 W., Howard County, Lat. 41° 09' 24", Long. 98° 33' 22", on left bank 25 feet downstream from State Highway 11 bridge, 2.8 miles north of Dannebrog, and 10 miles above mouth.

DRAINAGE AREA.--66.2 square miles.

GAGE.--Continuous stage recorder. Gage datum is 1,870.35 feet above sea level.

PERIOD OF RECORD.--1966 - 1970, 1978 - present

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1993. Records are good, except estimated record are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 2,680 cubic feet per second June 14, 1967, gage height 19.21 feet; maximum gage height 19.26 feet June 12, 1983; no flow May 17-20, 1966.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,450 cubic feet per second June 8, gage height 17.80 feet; minimum daily discharge 4.8 cubic feet per second September 27.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13	11	10e	9.2e	11	12	10	14	45	23	33	23
2	8.0	11	10e	9.4e	9.6	13	9.2	14	109	25	29	35
3	7.6	12	9.4e	11	10	11	11	14	42	33	29	42
4	7.9	11	10e	9.8	15	10	12	13	227	28	31	34
5	8.0	11	11e	9.8	13	11	12	13	496	22	32	26
6	7.7	11	11	10	17	8.6e	11	13	231	23	42	26
7	8.0	11	10	10	11	8.8e	10	13	51	25	46	27
8	85	11	9.4e	10	11	9.8e	10	12	983	25	43	28
9	19	11	9.2e	9.9	12	11	11	12	204	26	42	24
10	11	11	10	10	12e	10	22	52	65	26	41	18
11	10	11	11	9.8	11e	9.9	41	48	54	27	41	100
12	10	11	10	9.8	11e	10	25	25	49	34	63	43
13	9.7	10	10	8.4e	10e	11	20	21	44	32	52	20
14	16	10	10	8.2e	11e	10	18	19	42	29	35	13
15	43	10	10	8.0e	12e	10	16	18	39	28	26	10
16	25	11	11e	8.0e	13	9.8	15	17	35	77	18	12
17	23	11	10	8.4e	20	10	15	16	33	42	15	9.4
18	48	11	10.0	8.2e	16	11	15	15	35	25	15	8.5
19	42	11	10	8.4e	13	11	14	15	33	21	21	7.2
20	18	10	11	8.0e	10e	10	13	14	31	18	34	7.0
21	15	10	11	8.4e	12	10	13	13	30	17	35	6.2
22	13	10.0	8.2e	8.6e	11	10	12	16	29	17	41	5.8
23	12	9.4e	8.6e	8.6e	11	9.8	11	333	29	17	42	5.9
24	12	10	9.8	9.2e	13	9.5	12	860	37	22	47	5.8
25	12	10	9.9	12	15	9.5	21	255	42	29	50	5.6
26	12	10	10.0	9.5	12	9.5	18	46	25	41	46	5.2
27	11	10	9.8	9.7	11	9.4	16	195	54	47	45	4.8
28	11	10	10	10e	11	9.3	15	119	36	47	41	5.4
29	11	10.0	9.7	9.4e	12	9.0	14	54	25	41	35	5.4
30	11	9.4e	9.4e	9.8e	---	9.2	14	337	23	35	29	5.0
31	11	---	9.0e	10e	---	10.0	---	81	---	37	25	---
TOTAL	550.9	315.8	308.4	289.5	356.6	313.1	456.2	2687	3178	939	1124	568.2
MEAN	17.7	10.6	10.0	9.4	12.3	10.2	15.1	86.7	105.9	30.3	36.2	18.9
MAX	85	12	11	12	20	13	41	860	983	77	63	100
MIN	7.6	9.4	8.2	8.0	9.6	8.6	9.2	12	23	17	15	4.8
AC-FT	1093	626	612	574	707	621	905	5330	6303	1862	2229	1127
CAL YEAR 2007	TOTAL		8939	MEAN	24.5	MAX	526.0	MIN	7.0	AC-FT	17730	
WTR YEAR 2008	TOTAL		11087	MEAN	30.3	MAX	983.0	MIN	4.8	AC-FT	21990	

e indicates estimated discharge.

**PLATTE RIVER BASIN  
( Loup River )**

**TAYLOR-ORD CANAL from North Loup River, 00107000**

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	56	79	219	195
2	---	---	---	---	---	---	---	0.00	60	83	216	191
3	---	---	---	---	---	---	---	0.00	58	80	214	185
4	---	---	---	---	---	---	---	1.3	53	74	220	180
5	---	---	---	---	---	---	---	54	54	81	224	177
6	---	---	---	---	---	---	---	57	60	82	218	171
7	---	---	---	---	---	---	---	36	51	82	213	169
8	---	---	---	---	---	---	---	45	46	85	216	173
9	---	---	---	---	---	---	---	50	51	96	219	158
10	---	---	---	---	---	---	---	55	55	111	211	129
11	---	---	---	---	---	---	---	55	52	118	206	116
12	---	---	---	---	---	---	---	56	45	122	204	97
13	---	---	---	---	---	---	---	57	50	122	204	79
14	---	---	---	---	---	---	---	66	59	154	198	53
15	---	---	---	---	---	---	---	66	56	186	198	44
16	---	---	---	---	---	---	---	63	57	198	208	23
17	---	---	---	---	---	---	---	65	64	201	200	0.00
18	---	---	---	---	---	---	---	61	65	194	200	0.00
19	---	---	---	---	---	---	---	62	61	191	199	0.00
20	---	---	---	---	---	---	---	63	57	185	206	0.00
21	---	---	---	---	---	---	---	59	55	188	207	0.00
22	---	---	---	---	---	---	---	62	48	194	203	0.00
23	---	---	---	---	---	---	---	62	60	202	206	0.00
24	---	---	---	---	---	---	---	63	65	204	206	0.00
25	---	---	---	---	---	---	---	61	60	204	208	0.00
26	---	---	---	---	---	---	---	57	60	198	206	0.00
27	---	---	---	---	---	---	---	59	60	195	207	0.00
28	---	---	---	---	---	---	---	55	62	199	207	0.00
29	---	---	---	---	---	---	---	52	64	207	203	0.00
30	---	---	---	---	---	---	0.00	63	70	207	201	0.00
31	---	---	---	---	---	---	---	53	---	211	200	---
TOTAL	0	0	0	0	0	0	0	1558.3	1714	4733	6447	2140
MEAN	---	---	---	---	---	---	0.000	50.2	57.1	152.8	207.9	71.3
MAX	---	---	---	---	---	---	0.00	66	70	211	224	195
MIN	---	---	---	---	---	---	0.00	0.00	45	74	198	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3091	3400	9388	12790	4245
CAL YEAR 2007	MAX	207.0	MIN	0.000	AC-FT	31410						
WTR YEAR 2008	MAX	224.0	MIN	0.000	AC-FT	32910						

**PLATTE RIVER BASIN**  
**( Loup River )**

**TAYLOR-ORD CANAL inlet to Mirdan Canal, 00107100**

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

GAGE.--Continuous stage recorder and modified Parshall flume

PERIOD OF RECORD.--1989 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	31	57	132	136
2	---	---	---	---	---	---	---	0.00	39	64	129	135
3	---	---	---	---	---	---	---	0.00	40	66	129	134
4	---	---	---	---	---	---	---	0.00	35	60	135	133
5	---	---	---	---	---	---	---	0.00	37	61	140	134
6	---	---	---	---	---	---	---	0.00	40	63	138	134
7	---	---	---	---	---	---	---	0.00	39	65	143	135
8	---	---	---	---	---	---	---	0.00	38	65	140	137
9	---	---	---	---	---	---	---	0.00	36	66	130	123
10	---	---	---	---	---	---	---	0.00	35	80	131	89
11	---	---	---	---	---	---	---	0.00	37	87	135	69
12	---	---	---	---	---	---	---	0.00	35	95	139	54
13	---	---	---	---	---	---	---	0.00	32	93	142	41
14	---	---	---	---	---	---	---	0.00	37	103	144	37
15	---	---	---	---	---	---	---	19	37	111	146	27
16	---	---	---	---	---	---	---	30	38	123	146	1.8
17	---	---	---	---	---	---	---	29	39	126	147	0.00
18	---	---	---	---	---	---	---	30	43	126	144	0.00
19	---	---	---	---	---	---	---	30	42	124	135	0.00
20	---	---	---	---	---	---	---	30	43	127	132	0.00
21	---	---	---	---	---	---	---	29	47	127	128	0.00
22	---	---	---	---	---	---	---	28	44	127	125	0.00
23	---	---	---	---	---	---	---	41	41	128	121	0.00
24	---	---	---	---	---	---	---	42	43	128	120	0.00
25	---	---	---	---	---	---	---	33	42	129	123	0.00
26	---	---	---	---	---	---	---	33	40	131	126	0.00
27	---	---	---	---	---	---	---	38	40	131	130	0.00
28	---	---	---	---	---	---	---	35	42	128	134	0.00
29	---	---	---	---	---	---	---	34	45	129	135	0.00
30	---	---	---	---	---	---	---	34	42	131	136	0.00
31	---	---	---	---	---	---	---	34	---	126	136	---
TOTAL	0	0	0	0	0	0	0	549	1179	3177	4171	1519.8
MEAN	---	---	---	---	---	---	---	17.8	39.3	102.5	134.6	50.6
MAX	---	---	---	---	---	---	---	42	47	131	147	137
MIN	---	---	---	---	---	---	---	0.00	31	57	120	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1089	2339	6301	8273	3014
CAL YEAR 2007	MAX	143.0	MIN	0.000	AC-FT	21790						
WTR YEAR 2008	MAX	147.0	MIN	0.000	AC-FT	21020						

# PLATTE RIVER BASIN ( Loup River )

**TAYLOR-ORD CANAL outlet from Mirdan Canal, 00107200**

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

GAGE.--Continuous stage recorder and modified Parshall flume

PERIOD OF RECORD.--1989 - present

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	27	28	73	64
2	---	---	---	---	---	---	---	0.00	26	28	72	63
3	---	---	---	---	---	---	---	0.00	27	26	72	60
4	---	---	---	---	---	---	---	0.00	27	26	71	60
5	---	---	---	---	---	---	---	0.00	27	26	71	60
6	---	---	---	---	---	---	---	0.00	27	35	71	53
7	---	---	---	---	---	---	---	0.00	27	42	72	53
8	---	---	---	---	---	---	---	0.00	27	43	71	48
9	---	---	---	---	---	---	---	0.00	28	44	71	46
10	---	---	---	---	---	---	---	0.00	28	44	70	49
11	---	---	---	---	---	---	---	0.00	27	54	70	48
12	---	---	---	---	---	---	---	0.00	27	58	69	45
13	---	---	---	---	---	---	---	0.00	29	55	69	39
14	---	---	---	---	---	---	---	0.00	29	56	67	35
15	---	---	---	---	---	---	---	4.2	28	57	65	30
16	---	---	---	---	---	---	---	9.6	27	59	66	8.6
17	---	---	---	---	---	---	---	13	27	56	67	0.00
18	---	---	---	---	---	---	---	14	28	55	68	0.00
19	---	---	---	---	---	---	---	17	28	55	70	0.00
20	---	---	---	---	---	---	---	20	29	56	70	0.00
21	---	---	---	---	---	---	---	24	29	57	69	0.00
22	---	---	---	---	---	---	---	25	29	64	68	0.00
23	---	---	---	---	---	---	---	25	28	69	68	0.00
24	---	---	---	---	---	---	---	25	28	70	68	0.00
25	---	---	---	---	---	---	---	25	28	69	69	0.00
26	---	---	---	---	---	---	---	25	27	67	70	0.00
27	---	---	---	---	---	---	---	25	27	68	70	0.00
28	---	---	---	---	---	---	---	26	26	68	69	0.00
29	---	---	---	---	---	---	---	27	27	71	66	0.00
30	---	---	---	---	---	---	---	27	29	72	64	0.00
31	---	---	---	---	---	---	---	27	---	72	64	---
TOTAL	0	0	0	0	0	0	0	358.8	828	1650	2140	761.6
MEAN	---	---	---	---	---	---	---	11.5	27.6	53.3	69.0	25.3
MAX	---	---	---	---	---	---	---	27	29	72	73	64
MIN	---	---	---	---	---	---	---	0.00	26	26	64	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	712	1642	3273	4245	1511
CAL YEAR 2007	MAX	81.0	MIN	0.000	AC-FT	11110						
WTR YEAR 2008	MAX	73.0	MIN	0.000	AC-FT	11380						

**PLATTE RIVER BASIN  
( Loup River )**

**KENT CANAL from North Loup River, 00076500**

LOCATION.--NW1/4SE1/4 Sec. 26-21-17 W., Loup County

GAGE.--Continuous stage recorder and 20 foot Ramp flume

PERIOD OF RECORD.--1995 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	92	---	---	---	---
2	---	---	---	---	---	---	0.00	91	---	---	---	---
3	---	---	---	---	---	---	0.00	90	---	---	---	---
4	---	---	---	---	---	---	0.00	89	---	---	---	---
5	---	---	---	---	---	---	0.00	88	---	---	---	---
6	---	---	---	---	---	---	0.00	87	---	---	---	---
7	---	---	---	---	---	---	0.00	89	---	---	---	---
8	---	---	---	---	---	---	0.00	91	---	---	---	---
9	---	---	---	---	---	---	0.00	93	---	---	---	---
10	---	---	---	---	---	---	0.00	95	---	---	---	---
11	---	---	---	---	---	---	0.00	96	---	---	---	---
12	---	---	---	---	---	---	0.00	94	---	---	---	---
13	---	---	---	---	---	---	0.00	92	---	---	---	---
14	---	---	---	---	---	---	0.00	92	---	---	---	---
15	---	---	---	---	---	---	0.00	92	---	---	---	---
16	---	---	---	---	---	---	0.00	92	---	---	---	---
17	---	---	---	---	---	---	0.00	92	---	---	---	---
18	---	---	---	---	---	---	0.00	91	---	---	---	---
19	---	---	---	---	---	---	0.00	90	---	---	---	---
20	---	---	---	---	---	---	0.00	90	---	---	---	---
21	---	---	---	---	---	---	0.00	91	---	---	---	---
22	---	---	---	---	---	---	5.7	91	---	---	---	---
23	---	---	---	---	---	---	27	92	---	---	---	---
24	---	---	---	---	---	---	57	80	---	---	---	---
25	---	---	---	---	---	---	75	71	---	---	---	---
26	---	---	---	---	---	---	82	72	---	---	---	---
27	---	---	---	---	---	---	87	71	---	---	---	---
28	---	---	---	---	---	---	93	37	---	---	---	---
29	---	---	---	---	---	---	93	0.00	---	---	---	---
30	---	---	---	---	---	---	93	0.00	---	---	---	---
31	---	---	---	---	---	---	---	0.00	---	---	---	---
TOTAL	0	0	0	0	0	0	612.7	2431	0	0	0	0
MEAN	---	---	---	---	---	---	20.4	78.4	---	---	---	---
MAX	---	---	---	---	---	---	93	96	---	---	---	---
MIN	---	---	---	---	---	---	0.00	0.00	---	---	---	---
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	1215	4822	0.00	0.00	0.00	0.00
CAL YEAR 2007	MAX	80.0	MIN	0.000	AC-FT	6962						
WTR YEAR 2008	MAX	96.0	MIN	0.000	AC-FT	6037						

**PLATTE RIVER BASIN  
( Loup River )**

**CALAMUS RIVER near Harrop, 06787000**

LOCATION.--NW1/4SE1/4 Sec. 22-23-18 W., Loup County, Lat. 41° 56' 48", Long. 99° 23' 10", on the right bank 44 feet upstream from bridge on U.S. Highway 183, 12.2 miles north of Taylor.

DRAINAGE AREA.--693 square miles, most of which does not contribute directly to surface runoff.

GAGE.--Continuous stage recorder. Gage elevation is about 2,260 feet above sea level from topographic map.

PERIOD OF RECORD.--June 1978 - present (see USGS reports for other non-continuous periods).

REMARKS.--Record published by U. S. Geological Survey up to Oct. 1, 1997. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 1,380 cubic feet per second May 28, 1995, gage height 4.68 feet; maximum gage height 6.25 feet March 3, 2007 due to backwater from ice; minimum daily discharge 90 cubic feet per second January 7, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharge 747 cubic feet per second May 25, gage height 5.70 feet; maximum gage height 5.72 feet January 19 due to backwater from ice; minimum daily discharge 177 cubic feet per second estimated January 21.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	251	234	234	218	236	295	267	252	555	242	242	231
2	242	232	227	206e	250	313	272	251	535	271	235	242
3	233	236	227	188e	259	299	283	258	487	300	232	234
4	229	237	242	205e	251	290	290	260	509	278	234	235
5	236	234	242	223e	228	276	291	260	492	267	233	248
6	233	233	242	235	226	270	284	256	468	261	237	257
7	240	234	240	240	239	259	259	258	436	275	239	254
8	240	241	243	231	238	265	252	275	449	270	242	284
9	231	249	231	230	228	266	256	266	455	256	237	275
10	230	249	226	227	213	263	298	273	408	262	235	271
11	229	243	237	227	210e	274	303	256	350	246	236	278
12	233	237	231	232	189e	279	307	251	321	241	310	269
13	241	240	228	230	209e	281	339	248	306	234	302	264
14	248	232	234	232	243	276	350	250	296	233	293	261
15	275	223	233	229	226	268	340	254	291	235	307	253
16	279	234	224	228	246	264	315	253	289	309	294	243
17	268	240	227	217	252	269	295	245	284	303	285	245
18	271	240	235	222	235	271	280	238	307	301	281	241
19	264	245	234	209e	231	276	267	236	307	268	267	240
20	269	233	237	194e	228	275	265	232	294	252	257	237
21	256	224	240	177e	219	271	255	231	320	263	252	241
22	248	219	226	195e	238	267	249	239	302	263	247	246
23	253	220	212	210e	243	264	249	374	300	279	243	240
24	250	223	225	225e	250	263	260	530	295	258	242	244
25	249	239	236	246	256	262	268	700	274	268	243	241
26	244	237	237	263	242	263	276	604	268	287	241	236
27	244	228	229	266	255	265	271	512	262	289	241	233
28	242	226	232	267	263	269	266	449	254	257	238	233
29	242	226	221	226	275	271	259	442	242	261	234	228
30	247	220	221	196	---	261	255	562	238	260	234	227
31	241	---	230	240	---	266	---	624	---	255	234	---
TOTAL	7658	7008	7183	6934	6878	8451	8421	10339	10594	8244	7847	7431
MEAN	247.1	233.6	231.6	223.7	237.2	272.6	280.7	333.5	353.1	265.9	253.1	247.7
MAX	279	249	243	267	275	313	350	700	555	309	310	284
MIN	229	219	212	177	189	259	249	231	238	233	232	227
AC-FT	15190	13900	14250	13750	13640	16760	16700	20510	21010	16350	15560	14740
CAL YEAR 2007 TOTAL			93957	MEAN	257.4	MAX	558.0	MIN	144.0	AC-FT	186400	
WTR YEAR 2008 TOTAL			96988	MEAN	265.0	MAX	700.0	MIN	177.0	AC-FT	192400	

e indicates estimated discharge.



# PLATTE RIVER BASIN ( Loup River )

## CALAMUS RESERVOIR from Calamus River, 06787300

LOCATION.--NEL/4SW1/4 Sec. 31-22-16 W., Garfield County, Lat. 41° 49' 38", Long. 99° 13', 11", near right bank in control house of outlet works of Calamus Dam on Calamus River, 4 miles upstream from mouth, 5.5 miles northwest of Burwell.

GAGE.--Continuous stage recorder. Gage datum is sea level.

PERIOD OF RECORD.--1985 - present

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of conservation pool	2,244.0	127,400
Top of dead storage pool	2,185.0	817

### STORAGE ( ACFT ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	81220	91390	102100	111200	112200	111100	122100	127800	128100	122500	102400	79060
2	81330	91920	102900	111200	112300	111400	122200	127700	128000	122200	101300	78530
3	81710	92170	103000	111100	112400	111200	122900	127700	127800	122000	100300	77970
4	82100	92500	103300	111300	112400	111100	123400	127600	127100	121500	99600	77380
5	82210	92920	103800	111600	112600	111700	123900	127600	126700	120900	98560	76860
6	82140	93120	104100	111800	112500	111300	124400	127700	126300	120500	97570	76420
7	82560	93380	104700	111900	112500	111700	124500	127800	125700	120500	96750	75980
8	82400	93790	105100	112100	112500	112200	124800	127800	125700	119900	95820	75830
9	82440	94340	105600	112100	112400	112500	125100	128000	125600	119300	95010	75310
10	82440	94880	106000	112300	112200	112900	125500	127800	125600	119000	94170	74990
11	82400	95310	106400	112300	112000	113400	127000	128000	125300	118300	93250	74550
12	82790	95390	106800	112300	111800	113800	126700	127600	125500	118100	92660	74260
13	83180	95650	107200	112400	111900	114200	126700	127800	125400	117200	91920	73970
14	83640	96200	107600	112400	112100	114700	127000	127600	125200	116400	91300	74080
15	84300	96370	108100	112500	111800	115100	127500	127500	125000	115600	90770	73430
16	84890	96790	108400	112600	111800	115400	128400	127500	124900	115200	90240	73430
17	85280	97140	108800	112500	111800	115900	127900	127300	124700	114800	89790	73320
18	86300	97480	109000	112400	111800	116400	128000	127100	124600	113700	89310	73220
19	86700	97910	109100	112300	111500	116800	127800	127000	124500	113000	88660	73320
20	87060	98260	109400	112300	111500	117300	127500	126800	124400	112300	87820	73320
21	87660	98690	109500	112300	111500	118000	127800	126600	124300	112100	86900	73290
22	87900	98900	109700	112200	111400	118100	127600	126300	124300	110800	86190	73940
23	88220	99160	109800	112200	111300	118400	127800	126700	124100	109900	85360	73580
24	88620	99560	110000	112100	111300	118500	128000	127900	123900	109000	84730	73760
25	88900	99910	110100	112100	111300	119100	128400	128100	123800	108300	84110	73650
26	89430	100300	110400	112100	111300	119500	127900	128500	123600	107600	83180	73680
27	89750	100700	110600	112200	111200	120000	127700	128600	123700	106600	82520	73830
28	90040	101300	110700	112400	111100	120300	127700	128500	123500	106100	81830	73760
29	90440	101400	110900	112500	111100	120600	127700	128300	123100	105100	81060	73760
30	90770	101800	111000	112300	---	121000	127700	128300	122800	104200	80420	73610
31	91220	---	111200	112200	---	121600	---	128200	---	103300	79810	---
MEAN	85490	96620	107600	112100	111800	115700	126400	127700	125100	114400	90430	74740
MAX	91220	101800	111200	112600	112600	121600	128400	128600	128100	122500	102400	79060
MIN	81220	91390	102100	111100	111100	111100	122100	126300	122800	103300	79810	73220
CAL YEAR 2007	MEAN	109000	MAX	129200	MIN	79920						
WTR YEAR 2008	MEAN	107300	MAX	128600	MIN	73220						

**PLATTE RIVER BASIN  
( Loup River )**

**MIRDAN CANAL from Calamus Reservoir, 00100500**

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

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	161	323	271	527	357
2	---	---	---	---	---	---	0.00	163	310	262	506	310
3	---	---	---	---	---	---	0.00	161	314	256	493	309
4	---	---	---	---	---	---	0.00	161	318	282	492	317
5	---	---	---	---	---	---	0.00	162	312	280	493	308
6	---	---	---	---	---	---	0.00	183	311	272	495	287
7	---	---	---	---	---	---	0.00	153	318	280	482	273
8	---	---	---	---	---	---	0.00	162	315	297	473	251
9	---	---	---	---	---	---	0.00	146	314	248	459	233
10	---	---	---	---	---	---	0.00	146	274	255	454	249
11	---	---	---	---	---	---	0.00	145	268	273	447	259
12	---	---	---	---	---	---	0.00	145	286	288	443	221
13	---	---	---	---	---	---	0.00	164	274	286	422	140
14	---	---	---	---	---	---	0.00	198	280	327	322	121
15	---	---	---	---	---	---	0.00	213	283	394	291	23
16	---	---	---	---	---	---	0.00	224	286	356	296	0.00
17	---	---	---	---	---	---	0.00	229	288	309	303	0.00
18	---	---	---	---	---	---	0.00	228	282	309	346	0.00
19	---	---	---	---	---	---	0.00	228	279	332	392	0.00
20	---	---	---	---	---	---	0.00	244	269	333	428	0.00
21	---	---	---	---	---	---	0.00	263	269	380	421	0.00
22	---	---	---	---	---	---	41	244	274	405	397	0.00
23	---	---	---	---	---	---	72	213	281	409	386	0.00
24	---	---	---	---	---	---	96	206	270	421	391	0.00
25	---	---	---	---	---	---	105	247	266	387	404	0.00
26	---	---	---	---	---	---	105	257	268	343	419	0.00
27	---	---	---	---	---	---	104	245	258	337	409	0.00
28	---	---	---	---	---	---	141	269	272	371	381	0.00
29	---	---	---	---	---	---	161	307	271	429	354	0.00
30	---	---	---	---	---	---	161	322	267	482	355	0.00
31	---	---	---	---	---	---	---	317	---	511	349	---
TOTAL	0	0	0	0	0	0	986	6506	8600	10385	12830	3658
MEAN	---	---	---	---	---	---	32.8	209.9	286.6	335.0	413.9	121.9
MAX	---	---	---	---	---	---	161	322	323	511	527	357
MIN	---	---	---	---	---	---	0.00	145	258	248	291	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	1956	12900	17060	20600	25450	7256
CAL YEAR 2007	MAX	558.0	MIN	20.0	AC-FT	85790						
WTR YEAR 2008	MAX	527.0	MIN	0.000	AC-FT	85220						

**PLATTE RIVER BASIN**  
**( Loup River )**

**CALAMUS FISH HATCHERY INLET from Calamus Reservoir, 00019800**

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

GAGE.--Flow meter

PERIOD OF RECORD.--1994 - present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13	6.3	5.2	5.2	5.2	5.3	4.9	7.5	6.4	18	15	17
2	13	6.2	5.3	5.3	5.2	5.3	4.9	8.8	5.2	19	15	16
3	13	6.3	5.2	5.2	5.2	5.2	5.0	8.7	5.0	19	15	18
4	13	6.3	5.3	5.1	5.2	5.3	5.5	8.7	8.9	19	14	19
5	13	6.2	5.2	5.1	5.2	5.2	14	7.3	8.1	19	14	19
6	13	12	5.2	5.2	5.2	5.2	21	8.0	7.7	18	13	19
7	14	6.1	5.2	5.2	5.2	5.3	17	12	6.6	18	13	19
8	15	5.0	5.3	5.2	5.2	5.2	15	10	5.8	16	13	19
9	13	5.3	5.2	5.2	5.2	5.2	15	14	4.8	17	12	18
10	10	5.3	5.2	5.2	5.2	5.2	14	13	6.4	19	12	19
11	10	5.3	5.3	5.2	5.2	5.3	14	6.8	9.6	17	12	22
12	10	5.3	5.2	5.2	5.2	5.3	14	5.7	13	15	12	22
13	9.4	5.3	5.2	5.2	5.2	5.3	14	4.5	8.7	15	11	22
14	17	5.3	5.3	5.2	5.2	5.2	14	6.3	8.7	15	11	22
15	20	5.3	5.2	5.2	5.2	5.3	13	9.8	8.7	14	13	22
16	18	5.2	5.3	5.2	5.2	6.6	12	7.4	9.8	17	11	21
17	15	5.2	5.3	5.2	5.2	6.6	9.3	3.1	13	17	6.2	20
18	14	5.2	5.3	5.1	5.2	8.6	6.9	3.1	16	17	9.6	20
19	11	5.3	5.2	5.2	5.3	7.1	5.8	3.0	17	18	14	19
20	12	5.2	5.2	5.2	5.3	9.8	6.6	3.0	13	16	14	18
21	14	5.3	5.2	5.2	5.3	16	6.6	3.0	9.2	16	13	18
22	11	5.3	5.2	5.1	5.4	16	8.5	3.0	9.2	16	13	19
23	11	5.3	5.2	5.2	5.4	16	17	3.0	8.9	15	11	15
24	12	5.3	5.2	5.2	5.3	17	18	3.0	10	17	9.4	3.9
25	13	5.2	5.2	5.1	5.3	19	19	3.0	10	16	12	0.60
26	15	5.3	5.2	5.2	5.3	13	19	2.9	9.2	16	16	1.0
27	14	5.3	5.3	5.3	5.2	5.0	19	3.0	14	16	16	1.0
28	14	5.3	5.2	5.2	5.3	6.3	15	3.6	14	16	16	1.0
29	13	5.3	5.1	5.2	5.2	7.7	9.8	5.4	13	16	15	0.00
30	13	5.2	5.3	5.2	---	5.3	8.0	6.8	15	15	15	0.00
31	13	---	5.2	5.2	---	5.1	---	6.5	---	15	16	---
TOTAL	409.4	170.4	162.1	160.9	151.9	243.9	365.8	193.9	294.9	517	402.2	450.5
MEAN	13.2	5.7	5.2	5.2	5.2	7.9	12.1	6.2	9.8	16.6	13.0	15.0
MAX	20	12	5.3	5.3	5.4	19	21	14	17	19	16	22
MIN	9.4	5.0	5.1	5.1	5.2	5.0	4.9	2.9	4.8	14	6.2	0.00
AC-FT	812	338	322	319	301	484	726	385	585	1025	798	894
CAL YEAR 2007	TOTAL		3325	MEAN	9.1	MAX	20.0	MIN	0.10	AC-FT	6595	
WTR YEAR 2008	TOTAL		3523	MEAN	9.6	MAX	22.0	MIN	0.000	AC-FT	6988	

**PLATTE RIVER BASIN  
( Loup River )**

**INLET TO DAVIS CREEK RESERVOIR from Mirdan Canal, 00088500**

LOCATION.--SE1/4NE1/4 Sec. 15-17-13 W. near North Loup

GAGE.--Continuous stage recorder and modified Parshall Flume

PERIOD OF RECORD.--1991 to present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	229	230	208	68	96
2	---	---	---	---	---	---	0.00	218	232	202	61	92
3	---	---	---	---	---	---	0.00	216	233	201	73	102
4	---	---	---	---	---	---	0.00	222	233	203	85	126
5	---	---	---	---	---	---	0.00	221	233	199	76	137
6	---	---	---	---	---	---	0.00	214	233	197	71	146
7	---	---	---	---	---	---	0.00	211	233	198	80	154
8	---	---	---	---	---	---	0.00	213	236	198	81	155
9	---	---	---	---	---	---	0.00	214	234	165	98	161
10	---	---	---	---	---	---	0.00	217	209	143	91	147
11	---	---	---	---	---	---	0.00	218	192	139	87	140
12	---	---	---	---	---	---	0.00	214	205	144	88	126
13	---	---	---	---	---	---	0.00	211	205	156	96	86
14	---	---	---	---	---	---	0.00	209	205	142	101	75
15	---	---	---	---	---	---	0.00	208	200	113	109	68
16	---	---	---	---	---	---	0.00	207	195	97	103	59
17	---	---	---	---	---	---	0.00	212	194	105	97	48
18	---	---	---	---	---	---	0.00	218	193	123	68	41
19	---	---	---	---	---	---	0.00	220	194	129	43	35
20	---	---	---	---	---	---	0.00	221	199	124	48	34
21	---	---	---	---	---	---	0.00	208	200	105	35	34
22	---	---	---	---	---	---	0.00	215	199	92	40	33
23	---	---	---	---	---	---	0.00	233	195	81	79	30
24	---	---	---	---	---	---	0.00	243	199	87	90	25
25	---	---	---	---	---	---	75	227	200	90	85	21
26	---	---	---	---	---	---	123	224	201	95	57	3.8
27	---	---	---	---	---	---	137	235	199	102	33	0.00
28	---	---	---	---	---	---	165	238	197	80	31	0.00
29	---	---	---	---	---	---	207	234	197	69	50	0.00
30	---	---	---	---	---	---	226	230	201	79	77	0.00
31	---	---	---	---	---	---	---	228	---	81	97	---
TOTAL	0	0	0	0	0	0	933	6828	6276	4147	2298	2174.8
MEAN	---	---	---	---	---	---	31.1	220.3	209.2	133.7	74.2	72.6
MAX	---	---	---	---	---	---	226	243	236	208	109	161
MIN	---	---	---	---	---	---	0.00	207	192	69	31	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	1851	13540	12450	8225	4558	4314
CAL YEAR 2007	MAX	235.0	MIN	0.000	AC-FT	47880						
WTR YEAR 2008	MAX	243.0	MIN	0.000	AC-FT	44940						

**PLATTE RIVER BASIN  
( Loup River )**

**DAVIS CREEK RESERVOIR from Calamus Reservoir via Mirdan Canal, 06789400**

LOCATION.--NWL/4SW1/4 Section 30-17-12 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1992 to present

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of irrigation pool	2076.0	31,158
Top of inactive pool	2003.0	172
Top of dead storage pool	1998.5	76

STORAGE ( ACFT ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	10190	10080	9820	9670	9470	9280	9020	10940	21230	28770	24040	10720
2	10200	10070	9830	9670	9470	9280	9010	11400	21500	29050	23420	10420
3	10170	10070	9830	9670	9460	9280	9020	11690	21810	29290	22980	10160
4	10160	10060	9830	9660	9460	9260	9010	12060	22090	29490	22270	9990
5	10160	10060	9820	9660	9460	9260	9000	12520	22210	29710	21840	9840
6	10160	10050	9820	9650	9460	9250	8990	12950	22600	29930	21250	9720
7	10160	10040	9820	9650	9450	9240	8980	13330	23070	30180	20540	9620
8	10160	10030	9820	9640	9450	9230	8970	13710	23460	30300	20050	9520
9	10150	10020	9810	9640	9430	9220	8960	14100	23760	30380	19610	9560
10	10140	10020	9810	9630	9420	9210	9030	14500	24050	30330	19340	9700
11	10130	10010	9810	9620	9400	9200	9040	14950	24270	30170	18820	9760
12	10120	10010	9810	9620	9400	9190	9030	15350	24460	29710	18480	9780
13	10130	10000	9800	9610	9390	9180	9010	15640	24690	29440	18480	9820
14	10140	9980	9800	9600	9400	9130	9000	15910	24920	29050	18200	9810
15	10150	9960	9790	9600	9390	9130	8990	16260	25120	28660	18040	9740
16	10140	9950	9790	9590	9380	9120	8980	16500	25350	28270	17930	9880
17	10150	9940	9780	9590	9380	9150	8980	16730	25560	28270	17810	10030
18	10240	9940	9780	9580	9380	9160	8960	16980	25830	28280	17670	10090
19	10210	9930	9770	9570	9360	9150	8960	17240	26040	28340	17290	10160
20	10200	9930	9770	9560	9340	9150	8960	17460	26270	28380	16700	10210
21	10210	9920	9760	9540	9330	9140	8950	17700	26480	28410	15800	10290
22	10170	9910	9750	9530	9320	9120	8950	17940	26710	28290	15300	10350
23	10170	9900	9740	9520	9320	9100	8940	18280	26920	28190	14620	10390
24	10170	9890	9730	9520	9320	9090	8950	18810	27250	27950	14240	10440
25	10160	9880	9720	9510	9320	9080	8960	19100	27480	27450	13660	10520
26	10160	9860	9720	9510	9320	9070	9160	19370	27690	27050	13140	10530
27	10160	9850	9720	9500	9300	9060	9400	19770	27960	26750	12720	10530
28	10160	9840	9720	9500	9300	9050	9650	20070	28170	26310	12210	10530
29	10140	9830	9700	9490	9290	9040	9990	20370	28360	25980	11740	10520
30	10120	9830	9700	9490	---	9040	10400	20680	28530	25140	11300	10500
31	10100	---	9680	9480	---	9030	---	20930	---	24770	11070	---
MEAN	10160	9962	9776	9583	9385	9158	9108	16230	25130	28460	17440	10100
MAX	10240	10080	9830	9670	9470	9280	10400	20930	28530	30380	24040	10720
MIN	10100	9830	9680	9480	9290	9030	8940	10940	21230	24770	11070	9520
CAL YEAR 2007	MEAN	14310	MAX	30370	MIN	9590						
WTR YEAR 2008	MEAN	13730	MAX	30380	MIN	8940						

**PLATTE RIVER BASIN  
( Loup River )**

**FULLERTON CANAL from Davis Creek Reservoir, 00054700**

LOCATION.--SW1/4SW1/4 Sec. 30-17-13 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1992 to present

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	0.00	67	56	350	241
2	---	---	---	---	---	---	0.00	0.00	67	57	349	234
3	---	---	---	---	---	---	0.00	0.00	67	56	348	214
4	---	---	---	---	---	---	0.00	0.00	62	56	348	209
5	---	---	---	---	---	---	0.00	0.00	59	56	346	209
6	---	---	---	---	---	---	0.00	0.00	57	62	344	208
7	---	---	---	---	---	---	0.00	0.00	58	80	334	207
8	---	---	---	---	---	---	0.00	0.00	58	107	313	168
9	---	---	---	---	---	---	0.00	0.00	58	127	292	120
10	---	---	---	---	---	---	0.00	0.00	55	183	281	118
11	---	---	---	---	---	---	0.00	0.00	54	252	281	130
12	---	---	---	---	---	---	0.00	23	54	264	224	116
13	---	---	---	---	---	---	0.00	42	54	271	169	92
14	---	---	---	---	---	---	0.00	41	54	285	168	86
15	---	---	---	---	---	---	0.00	41	55	295	168	21
16	---	---	---	---	---	---	0.00	59	54	184	168	0.00
17	---	---	---	---	---	---	0.00	66	54	86	167	0.00
18	---	---	---	---	---	---	0.00	67	55	87	220	0.00
19	---	---	---	---	---	---	0.00	68	54	87	304	0.00
20	---	---	---	---	---	---	0.00	69	55	87	366	0.00
21	---	---	---	---	---	---	0.00	70	55	102	380	0.00
22	---	---	---	---	---	---	0.00	67	55	125	337	0.00
23	---	---	---	---	---	---	0.00	66	56	173	325	0.00
24	---	---	---	---	---	---	0.00	66	56	243	323	0.00
25	---	---	---	---	---	---	0.00	66	56	265	320	0.00
26	---	---	---	---	---	---	0.00	66	57	264	318	0.00
27	---	---	---	---	---	---	0.00	66	57	266	296	0.00
28	---	---	---	---	---	---	0.00	66	56	268	268	0.00
29	---	---	---	---	---	---	0.00	67	56	324	244	0.00
30	---	---	---	---	---	---	0.00	67	56	353	237	0.00
31	---	---	---	---	---	---	---	67	---	352	236	---
TOTAL	0	0	0	0	0	0	0	1210	1711	5473	8824	2373
MEAN	---	---	---	---	---	---	0.000	39.0	57.1	176.6	284.7	79.1
MAX	---	---	---	---	---	---	0.00	70	67	353	380	241
MIN	---	---	---	---	---	---	0.00	0.00	54	56	167	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2400	3394	10860	17500	4707
CAL YEAR 2007	MAX	393.0	MIN	0.000	AC-FT	43360						
WTR YEAR 2008	MAX	380.0	MIN	0.000	AC-FT	38860						

**PLATTE RIVER BASIN  
( Loup River )**

**CALAMUS RIVER near Burwell, 06787500**

LOCATION.--NW1/4NW1/4 Sec. 9-21-16 W., Garfield County, Lat. 41° 48' 35", Long. 99° 10' 56", on left bank 20 feet downstream from highway bridge, 1.5 mile upstream from mouth, and 3 miles north west of Burwell and 1.1 mile downstream from the Calamus Dam.

DRAINAGE AREA.--1,060 square miles, of which 110 square miles contribute directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is 2,152.48 feet above sea level.

PERIOD OF RECORD.--October 1940 - present (non-recording gage up to April 21, 1945).

REMARKS.--Record published by U. S. Geological Survey up to Oct. 1, 1995. Records are good.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 1,790 cubic feet per second May 4, 1964, gage height 7.35 feet; maximum gage height 8.90 feet January 26, 1967 due to backwater from ice; minimum daily discharge 13 cubic feet per second April 27, 1986, due to temporary closure of Calamus Dam.

EXTREMES FOR CURRENT YEAR.--Peak discharge 541 cubic feet per second May 27, gage height 3.40 feet; minimum daily discharge 78 cubic feet per second October 3.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	258	119	110	231	292	328	116	181	436	192	246	233
2	145	117	108	235	291	328	118	203	507	235	244	233
3	78	118	108	240	292	327	119	161	520	280	243	232
4	194	118	108	240	295	299	146	124	523	304	245	230
5	250	118	108	241	306	271	160	121	479	283	240	230
6	250	118	111	241	314	208	164	120	419	269	238	235
7	253	117	110	240	323	138	155	123	235	279	238	238
8	254	95	111	248	333	110	153	127	186	303	240	252
9	250	108	112	263	340	109	155	184	189	290	240	272
10	250	111	112	263	341	111	202	241	182	300	240	273
11	169	111	112	264	343	113	299	230	146	276	240	269
12	118	112	113	263	342	113	231	152	131	295	240	267
13	118	112	114	264	343	112	206	150	126	309	273	266
14	117	110	114	267	342	113	160	132	124	313	287	264
15	117	111	115	273	341	112	163	121	126	312	292	278
16	115	112	115	285	341	114	249	120	126	362	291	280
17	117	111	159	292	339	114	313	125	124	386	285	262
18	117	111	215	287	339	115	332	118	125	388	286	248
19	114	111	220	285	339	113	330	127	121	351	292	246
20	116	111	221	288	338	114	288	119	122	339	289	250
21	118	111	221	287	337	116	278	120	121	338	290	251
22	116	110	220	287	336	119	143	121	125	338	274	251
23	115	111	222	286	335	120	144	128	126	350	257	253
24	116	110	222	287	334	122	195	253	123	349	251	243
25	118	109	222	289	334	123	304	345	126	351	251	239
26	118	110	222	289	332	119	287	428	122	364	250	238
27	119	110	222	290	332	113	210	510	124	376	248	236
28	121	109	221	292	330	113	146	466	125	356	248	237
29	120	109	225	289	328	118	127	244	114	345	241	243
30	124	109	231	294	---	114	121	252	120	274	236	127
31	117	---	231	293	---	116	---	352	---	246	236	---
TOTAL	4702	3349	5055	8393	9532	4655	6014	6198	6173	9753	7971	7376
MEAN	151.6	111.5	163.2	270.8	328.7	150.2	200.6	199.9	205.7	314.6	257.1	245.9
MAX	258	119	231	294	343	328	332	510	523	388	292	280
MIN	78	95	108	231	291	109	116	118	114	192	236	127
AC-FT	9326	6643	10030	16650	18910	9233	11930	12290	12240	19340	15810	14630
CAL YEAR 2007	TOTAL		75562	MEAN	207.0	MAX	424.0	MIN	42.0	AC-FT	149900	
WTR YEAR 2008	TOTAL		79171	MEAN	216.3	MAX	523.0	MIN	78.0	AC-FT	157000	

**PLATTE RIVER BASIN  
( Loup River )**

**BURWELL-SUMTER CANAL from North Loup River, 00108000**

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	46	36	43	116	117
2	---	---	---	---	---	---	0.00	48	38	53	115	116
3	---	---	---	---	---	---	0.00	50	33	52	103	108
4	---	---	---	---	---	---	0.00	49	26	50	114	106
5	---	---	---	---	---	---	0.00	47	28	51	114	106
6	---	---	---	---	---	---	0.00	45	28	49	106	101
7	---	---	---	---	---	---	0.00	48	16	52	108	92
8	---	---	---	---	---	---	0.00	47	12	65	110	73
9	---	---	---	---	---	---	0.00	49	20	63	112	54
10	---	---	---	---	---	---	0.00	52	33	64	114	49
11	---	---	---	---	---	---	0.00	47	34	75	112	43
12	---	---	---	---	---	---	0.00	44	40	85	115	35
13	---	---	---	---	---	---	0.00	46	42	85	116	28
14	---	---	---	---	---	---	0.00	47	38	82	106	25
15	---	---	---	---	---	---	0.00	45	32	85	110	26
16	---	---	---	---	---	---	0.00	44	40	89	105	13
17	---	---	---	---	---	---	0.00	43	42	90	100	0.00
18	---	---	---	---	---	---	0.00	43	42	89	108	0.00
19	---	---	---	---	---	---	0.00	44	38	85	104	0.00
20	---	---	---	---	---	---	0.00	46	39	86	105	0.00
21	---	---	---	---	---	---	0.00	44	42	93	108	0.00
22	---	---	---	---	---	---	0.00	43	39	96	107	0.00
23	---	---	---	---	---	---	0.00	48	41	100	108	0.00
24	---	---	---	---	---	---	0.00	45	40	101	110	0.00
25	---	---	---	---	---	---	0.00	23	38	106	112	0.00
26	---	---	---	---	---	---	0.00	25	37	103	112	0.00
27	---	---	---	---	---	---	0.00	31	39	99	109	0.00
28	---	---	---	---	---	---	49	27	37	104	108	0.00
29	---	---	---	---	---	---	106	25	33	108	108	0.00
30	---	---	---	---	---	---	46	29	32	110	108	0.00
31	---	---	---	---	---	---	---	36	---	108	115	---
TOTAL	0	0	0	0	0	0	201	1306	1035	2521	3398	1092
MEAN	---	---	---	---	---	---	6.7	42.2	34.4	81.4	109.7	36.4
MAX	---	---	---	---	---	---	106	52	42	110	116	117
MIN	---	---	---	---	---	---	0.00	23	12	43	100	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	399	2590	2053	5000	6740	2166
CAL YEAR 2007	MAX	117.0	MIN	0.000	AC-FT	17660						
WTR YEAR 2008	MAX	117.0	MIN	0.000	AC-FT	18950						



# PLATTE RIVER BASIN ( Loup River )

## NORTH LOUP RIVER at Ord, 06788500

LOCATION.--SW1/4NW1/4 Sec. 22-19-14 W., Valley County, Lat. 41° 36' 27", Long. 98° 55' 17", on right bank 150 feet downstream from bridge on State Highway 70 at Ord.

DRAINAGE AREA.--3,760 square miles, of which 702 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is 2,012.14 feet above sea level.

PERIOD OF RECORD.--Nov. 1936 - Sep. 1938, (published as "near Ord"), June 1952 - present

REMARKS.--Record published by U. S. Geological Survey up to Oct. 1, 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 10,100 cubic feet per second June 2, 1962, gage height 5.52 feet; maximum gage height 6.74 feet February 11, 1993 due to backwater from ice; minimum daily discharge 100 cubic feet per second January 3, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharge 4,220 cubic feet per second June 3, gage height 4.17 feet; maximum gage height 4.47 feet January 1 due to backwater from ice; minimum daily discharge 459 cubic feet per second August 31.

### DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1110	728	782	680e	930e	984	853	652	1530	743	571	472
2	942	687	785	650e	1000e	959	873	895	1730	835	499	571
3	659	703	751	660e	1050e	1020	921	848	2690	859	504	544
4	651	704	800	750e	1000e	1020	1000	711	2670	872	481	491
5	926	700	706	840e	900e	968	1150	704	2660	860	501	547
6	911	718	720e	910e	830e	1010	1110	607	2580	847	522	602
7	929	721	774	960e	850e	822	1040	670	2850	925	507	625
8	968	688	779	970e	950e	720e	972	706	2630	884	520	722
9	910	662	777	940e	900e	760e	943	749	1930	864	548	795
10	821	721	729	900e	820e	771	1190	1210	1670	851	543	835
11	784	721	680e	860e	900e	789	1390	1130	1530	842	553	918
12	686	694	700e	820e	980e	837	1300	834	1310	846	632	893
13	733	690	700e	820e	1050e	935	1160	590	1140	837	730	888
14	791	694	700e	820e	1150e	964	1210	667	993	841	792	878
15	999	684	660e	830e	1100e	979	1260	638	903	807	710	886
16	1060	657	650e	800e	1150e	929	1310	610	864	832	795	961
17	932	633	730e	760e	1400e	974	1490	568	842	810	764	919
18	1080	656	790e	670e	1500e	973	1520	515	866	874	645	898
19	960	684	840e	590e	1300e	898	1440	485	842	812	608	900
20	770	710	830e	580e	1100e	871	1340	490	795	818	574	922
21	716	755	820e	600e	1050e	859	1200	472	826	801	581	935
22	706	745	790e	600e	1200e	829	1130	498	831	778	575	976
23	661	724	740e	610e	1380e	796	782	1060	776	760	521	1000
24	662	651	730e	640e	1450e	815	826	3090	776	741	503	951
25	670	616	770e	800e	1320	825	1210	2000	774	790	505	980
26	686	653	750e	980e	987	812	1320	1650	764	819	496	946
27	705	684	730e	1150e	996	839	1170	2020	824	815	512	927
28	704	707	700e	1200e	992	877	742	1800	804	772	488	935
29	698	724	700e	1150e	1000	871	573	1500	774	703	485	920
30	715	741	700e	900e	---	840	640	1490	744	659	462	908
31	740	---	710e	900e	---	860	---	1530	---	682	459	---
TOTAL	25285	20855	23023	25340	31235	27406	33065	31389	40918	25179	17586	24745
MEAN	815.4	695.1	742.6	817.4	1077	884.2	1102	1012	1364	812.3	567.4	825.0
MAX	1110	755	840	1200	1500	1020	1520	3090	2850	925	795	1000
MIN	651	616	650	580	820	720	573	472	744	659	459	472
AC-FT	50150	41370	45670	50260	61950	54360	65580	62260	81160	49940	34880	49080
CAL YEAR 2007	TOTAL		312383	MEAN	855.8	MAX	3310	MIN	325.0	AC-FT	619600	
WTR YEAR 2008	TOTAL		326026	MEAN	890.8	MAX	3090	MIN	459.0	AC-FT	646700	

e indicates estimated discharge.

# PLATTE RIVER BASIN ( Loup River )

ORD-NORTH LOUP CANAL from North Loup River, 00109000

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.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	0.00	37	117	100
2	---	---	---	---	---	---	---	0.00	7.1	46	119	100
3	---	---	---	---	---	---	---	0.00	16	42	119	95
4	---	---	---	---	---	---	---	0.00	32	42	118	94
5	---	---	---	---	---	---	---	0.00	46	40	117	97
6	---	---	---	---	---	---	---	0.00	50	42	120	96
7	---	---	---	---	---	---	---	0.00	56	48	119	96
8	---	---	---	---	---	---	---	0.00	48	46	122	88
9	---	---	---	---	---	---	---	0.00	28	48	123	71
10	---	---	---	---	---	---	---	0.00	27	53	121	67
11	---	---	---	---	---	---	---	0.00	43	55	122	58
12	---	---	---	---	---	---	---	18	32	59	120	35
13	---	---	---	---	---	---	---	53	47	70	112	24
14	---	---	---	---	---	---	---	37	46	75	104	25
15	---	---	---	---	---	---	---	33	48	78	101	12
16	---	---	---	---	---	---	---	33	51	82	97	0.00
17	---	---	---	---	---	---	---	35	54	90	94	0.00
18	---	---	---	---	---	---	---	36	62	90	95	0.00
19	---	---	---	---	---	---	---	38	60	87	94	0.00
20	---	---	---	---	---	---	---	46	58	87	100	0.00
21	---	---	---	---	---	---	---	52	59	89	106	0.00
22	---	---	---	---	---	---	---	55	58	101	106	0.00
23	---	---	---	---	---	---	---	49	57	113	101	0.00
24	---	---	---	---	---	---	---	65	57	113	101	0.00
25	---	---	---	---	---	---	---	7.9	52	114	101	0.00
26	---	---	---	---	---	---	---	0.03	40	111	100	0.00
27	---	---	---	---	---	---	---	22	31	117	101	0.00
28	---	---	---	---	---	---	---	21	33	113	98	0.00
29	---	---	---	---	---	---	---	6.3	32	110	99	0.00
30	---	---	---	---	---	---	0.00	0.00	33	110	100	0.00
31	---	---	---	---	---	---	---	0.00	---	111	98	---
TOTAL	0	0	0	0	0	0	0	607.23	1263.1	2419	3345	1058
MEAN	---	---	---	---	---	---	0.000	19.6	42.1	78.0	107.9	35.3
MAX	---	---	---	---	---	---	0.00	65	62	117	123	100
MIN	---	---	---	---	---	---	0.00	0.00	0.00	37	94	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1204	2505	4798	6635	2099
CAL YEAR 2007	MAX	121.0	MIN	0.000	AC-FT	15310						
WTR YEAR 2008	MAX	123.0	MIN	0.000	AC-FT	17240						

**PLATTE RIVER BASIN  
( Loup River )**

**MIRA CREEK near North Loup, 06788988**

LOCATION.--NWL/4SE1/4 Sec. 27-18-13 W., Valley County, Lat. 41° 30' 09", Long. 98° 47' 47", on left bank near the half section line road running west from Highway 11, 1.4 mile northwest of North Loup.

DRAINAGE AREA.--65.1 Square miles.

GAGE.--Continuous stage recorder. Gage datum is 1,964.41 feet above sea level.

PERIOD OF RECORD.--1979 - present

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1993. Records are good, except records above 30 cubic feet per second are fair.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 3,460 cubic feet per second August 5, 1981, gage height 10.56 feet, based on indirect measurement; no flow many years.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,510 cubic feet per second May 24, gage height 7.63 feet; minimum daily discharge 3.4 cubic feet per second September 27 - 30.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.1	4.6	5.2	6.4	10	5.9	7.7	8.6	27	14	16	18
2	5.2	4.4	5.8	9.1	6.1	6.3	7.2	8.9	24	44	17	19
3	4.6	4.4	5.5	6.9	5.4	6.1	7.0	9.1	23	46	17	18
4	4.2	4.3	5.7	5.9	6.2	6.2	7.7	8.2	21	29	18	15
5	4.0	4.3	5.5	5.7	5.1	6.0	7.5	7.8	28	23	17	16
6	3.5	4.5	5.3	5.9	6.4	6.4	7.1	7.6	48	18	17	17
7	3.9	4.5	5.4	6.4	5.7	6.2	7.1	7.8	27	16	19	16
8	5.4	5.5	3.8	7.2	5.8	6.5	9.1	7.8	461	16	18	18
9	4.8	5.0	5.9	7.1	6.4	9.0	7.4	7.6	140	15	18	18
10	4.7	4.7	6.4	7.1	5.5	8.6	12	14	58	14	17	16
11	4.4	4.7	6.0	7.1	7.9	8.3	20	19	33	13	16	16
12	4.2	4.9	5.3	7.6	8.3	8.1	18	16	25	12	22	16
13	4.2	4.8	5.2	7.4	6.8	7.7	18	15	21	11	22	14
14	4.8	4.9	5.2	7.8	5.7	7.7	17	13	18	11	21	13
15	9.2	5.1	5.3	7.9	5.7	7.6	15	12	15	10	18	11
16	11	4.8	6.2	6.8	5.5	7.5	14	12	14	12	16	9.2
17	12	4.8	5.7	7.2	7.2	7.4	14	11	13	13	14	8.0
18	25	5.0	5.4	7.6	5.9	7.7	13	10	13	13	13	7.4
19	26	4.9	5.4	8.3	5.9	8.1	12	9.4	12	12	13	6.5
20	23	4.7	5.2	7.5	5.5	7.0	11	9.2	12	13	15	5.9
21	17	4.8	5.2	8.9	6.8	7.0	12	8.4	12	13	16	5.6
22	14	4.9	4.8	9.2	5.1	7.2	11	8.8	11	13	16	5.1
23	11	5.0	5.9	5.7	5.3	7.1	9.2	51	10	14	17	4.5
24	8.7	5.1	5.6	5.8	5.7	6.8	8.8	756	377	14	17	3.8
25	7.5	4.7	5.4	6.8	5.6	6.7	13	277	22	16	17	3.6
26	6.8	4.4	5.4	5.4	4.8	6.7	12	102	20	16	16	3.7
27	6.1	4.7	6.1	5.0	5.1	6.7	10	106	27	19	17	3.4
28	5.6	5.1	6.2	6.1	5.6	7.0	9.6	123	19	19	17	3.4
29	5.2	4.7	6.0	5.1	5.9	6.7	9.1	62	16	18	18	3.4
30	4.9	4.5	6.5	7.9	---	6.7	9.0	40	15	19	19	3.4
31	4.9	---	6.5	8.8	---	7.1	---	32	---	16	18	---
TOTAL	259.9	142.7	173	217.6	176.9	220	335.5	1780.2	1562	532	532	317.9
MEAN	8.4	4.8	5.6	7.0	6.1	7.1	11.2	57.5	52.1	17.1	17.0	10.5
MAX	26	5.5	6.5	9.2	10	9.0	20	756	461	46	22	19
MIN	3.5	4.3	3.8	5.0	4.8	5.9	7.0	7.6	10	10	13	3.4
AC-FT	516	283	343	432	351	436	665	3531	3098	1055	1055	631
CAL YEAR 2007	TOTAL		8644	MEAN	23.7	MAX	1260	MIN	2.4	AC-FT	17150	
WTR YEAR 2008	TOTAL		6250	MEAN	17.1	MAX	756.0	MIN	3.4	AC-FT	12400	

**PLATTE RIVER BASIN  
( Loup River )**

**CEDAR RIVER near Spalding, 06791500**

LOCATION.--NE1/4NE1/4 Sec. 15-20-10 W., Greeley County, Lat. 41° 42' 41", Long. 98° 26' 48", on left bank 15 feet downstream from county road bridge, 0.4 miles upstream from small tributary and 4.7 miles northwest of Spalding.

DRAINAGE AREA.--762 square miles, approximately 50 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Datum of gage is 1,896.24 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--Oct. 1944 - Sep. 1953, Oct. 1957 - present

REMARKS.--Record published by U. S. Geological Survey up to October 1, 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 4,000 cubic feet per second on June 23, 1947, gage height 7.50 feet; minimum daily discharge 30 cubic feet per second January 30, 1946.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,070 cubic feet per second on June 7, gage height 5.47 feet; maximum gage height 5.68 feet February 15 due to backwater from ice conditions; minimum daily discharge 98 cubic feet per second January 17.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	167	142	160	117e	147e	191	196	181	576	151	144	138
2	157	139	162	104e	167e	198	192	179	596	158	144	145
3	141	139	185	117e	172e	193	203	187	467	170	145	151
4	139	139	173	142e	162e	202	208	185	459	166	147	147
5	140	149	169	166e	144e	179	208	186	519	164	155	147
6	149	136	171	173e	159e	166	207	186	552	161	156	156
7	147	138	170	166e	169e	156	187	187	632	188	146	157
8	193	142	167	120	172e	155	188	175	772	221	146	163
9	163	140	182	115	163	154	185	192	525	185	153	173
10	150	142	200	112	141	152	210	250	462	169	153	161
11	139	144	171	114	133e	152	291	293	385	158	153	179
12	138	152	161	113	157e	156	278	253	293	157	169	185
13	158	149	161	117	177e	183	268	228	260	148	195	167
14	162	119	153	114	164e	173	305	207	237	141	173	162
15	268	181	154	116	176e	159	348	196	216	144	169	155
16	294	132	147	113	170e	157	347	186	178	318	163	152
17	247	157	178	98	165	160	299	181	190	328	165	155
18	235	154	147	101e	156	178	255	175	184	132	159	152
19	262	154	141	106e	154	175	229	171	167	212	158	149
20	283	152	137	102e	151	167	205	165	196	174	154	152
21	292	149	151	105e	167e	179	205	165	161	154	151	154
22	260	151	136	115e	167	167	181	164	160	151	148	154
23	211	153	141	120e	158	164	171	231	174	148	145	162
24	191	147	171	112e	163	162	170	571	172	147	145	163
25	174	143	154	140e	167	165	214	545	168	157	145	166
26	159	145	133	143e	160	164	237	533	154	194	143	166
27	152	146	122	160e	170	171	227	728	171	137	141	158
28	147	148	123	171e	173	176	226	788	167	163	142	162
29	145	149	131	135e	179	180	219	655	162	139	140	157
30	148	149	143	110e	---	176	194	737	131	148	140	156
31	148	---	130e	123e	---	188	---	609	---	152	139	---
TOTAL	5759	4380	4824	3860	4703	5298	6853	9689	9486	5335	4726	4744
MEAN	185.8	146.0	155.6	124.6	162.1	170.9	228.5	312.6	316.2	172.1	152.5	158.1
MAX	294	181	200	173	179	202	348	788	772	328	195	185
MIN	138	119	122	98	133	152	170	164	131	132	139	138
AC-FT	11420	8688	9568	7656	9328	10510	13590	19220	18820	10580	9374	9410
CAL YEAR 2007	TOTAL		75906	MEAN	208.0	MAX	1450	MIN	80.0	AC-FT	150600	
WTR YEAR 2008	TOTAL		69657	MEAN	190.3	MAX	788.0	MIN	98.0	AC-FT	138200	

e indicates estimated discharge.

**PLATTE RIVER BASIN  
( Loup River )**

**CEDAR RIVER near Fullerton, 06792000**

LOCATION.--SE1/4SE1/4 Sec. 33-17-6 W., Nance County, Lat. 41° 23' 41", Long. 98° 00' 13", on left upstream bank near county bridge, 3 miles northwest of Fullerton and 7.4 miles upstream from mouth.

DRAINAGE AREA.--1,220 square miles, of which about 480 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Datum of gage is 1,636.39 feet above sea level.

PERIOD OF RECORD.--September 1931 - June 1932, October 1940 - present; non-recording gage before November 5, 1942.

REMARKS.--Record published by U. S. Geological Survey through Sep. 1995. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 64,700 cubic feet per second August 13, 1966, gage height 16.90 ft. (high point on surge); minimum daily discharge 30 cubic feet per second July 18, 1974.

EXTREMES FOR CURRENT YEAR.--Peak discharge 7,800 cubic feet per second May 30, gage height 8.87 feet; minimum daily discharge 116 cubic feet per second August 4.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	356	255	230e	200e	240e	450e	275	275	891	204	140	138
2	265	250	260e	215e	260e	434	272	270	788	211	147	158
3	232	251	250e	230e	275e	311	278	289	771	374	151	157
4	218	243	257e	250e	260e	290	280	274	596	259	116	147
5	224	250	250e	270e	240e	289	287	258	765	234	132	151
6	217	259	240e	285e	270e	275	289	261	977	225	146	176
7	240	251	220e	295e	280e	283	283	332	754	231	147	167
8	274	247	220e	290e	300e	265	282	281	2890	251	137	197
9	276	249	220e	275e	270e	265	266	255	1260	270	207	214
10	276	246	215e	260e	240e	262	296	325	722	264	212	212
11	241	237	210e	250e	230e	261	358	378	652	236	192	216
12	239	241	220e	260e	220e	257	413	390	495	216	228	232
13	251	250	210e	260e	260e	270	388	377	252	203	255	236
14	259	245	200e	250e	250e	289	368	327	253	216	274	211
15	429	236	190e	265e	250e	280	403	306	271	202	267	195
16	532	229	180e	275e	265e	270	441	281	256	269	214	194
17	355	255	200e	250e	260e	267	471	260	216	459	197	174
18	404	230	220e	240e	250e	276	423	235	670	353	194	170
19	570	238	240e	210e	270e	279	362	217	297	257	210	166
20	310	249	250e	220e	230e	284	310	200	334	219	200	167
21	362	247	250e	225e	240e	270	296	187	243	214	201	152
22	362	245	240e	210e	260e	272	292	247	233	209	176	163
23	337	248	220e	210e	270e	268	270	428	178	181	148	183
24	282	250	200e	195e	260e	261	260	1360	171	190	165	170
25	269	240	230e	220e	270e	257	301	939	292	184	158	159
26	274	234	250e	250e	270e	256	335	843	214	189	148	168
27	269	231	240e	275e	320e	253	344	1000	190	214	159	176
28	254	235e	220e	285e	380e	248	341	1090	200	215	176	144
29	251	240e	200e	270e	425e	251	324	882	208	156	161	157
30	255	240e	205e	250e	---	253	298	4310	198	172	157	173
31	255	---	210e	230e	---	263	---	1280	---	152	144	---
TOTAL	9338	7321	6947	7670	7815	8709	9806	18357	16237	7229	5559	5323
MEAN	301.2	244.0	224.1	247.4	269.5	281.0	326.9	592.7	541.1	233.2	179.4	177.4
MAX	570	259	260	295	425	450	471	4310	2890	459	274	236
MIN	217	229	180	195	220	248	260	187	171	152	116	138
AC-FT	18520	14520	13780	15210	15500	17270	19450	36410	32210	14340	11030	10560
CAL YEAR 2007	TOTAL		112990	MEAN	309.6	MAX	4330	MIN	84.0	AC-FT	224100	
WTR YEAR 2008	TOTAL		110311	MEAN	301.4	MAX	4310	MIN	116.0	AC-FT	218800	

e indicates estimated discharge.

# PLATTE RIVER BASIN ( Loup River )

## LOUP RIVER POWER CANAL RETURN at Columbus, 00082100

LOCATION.--SEL/4SW1/4 Sec. 23-17-1 E., Platte County, Lat. 41° 25' 27", Long. 97° 16' 56", on the left bank 50 feet upstream from the 8th Street bridge over the power canal return near the southeast edge of Columbus, Nebraska.

GAGE.--Continuous stage recorder. Gage datum is 1,400.91 feet above sea level.

PERIOD OF RECORD.--October 1, 2002 - present

REMARKS.--Records are good except estimated records and records below 200 cubic feet per second are poor, and records between 200 and 1,200 cubic feet per second are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharge 5,760 cubic feet per second May 27, gage height 13.10 feet; maximum stage 14.16 feet January 29 due to backwater from ice conditions; minimum daily discharge 54 cubic feet per second December 11.

### DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2350	2140	165	92	1450e	1600	1570	1560	2760e	1750	1640	955
2	2570	2510	85	101	1460e	1820	2630	1800	2650	1840	1350	990
3	2190	2830	58	91	1560e	1220	2210	2490	2690	1830	1010	1190
4	2240	2250	776	553	1510	1260	2350	2530	2570e	2050	1490	1220
5	2420	2280	1090	588	1660e	1840	2140	2200	2500e	1740	1120	1490
6	1950	2470	145	792	1630e	1880	3020	1760	2500e	1860	821	1220
7	2310	2060	422	801	1550e	453	2030	1990	2450e	1960	1370	1280
8	2600	2410	521	1370	1530e	286	2370	1870	2550e	1810	1010	1870
9	2520	2390	88	948	1610e	1190	1470	1690	2500e	1780	1270	1870
10	2690	1930	65	1310	1610e	1500	2760	2460	2450e	2180	1270	1560
11	2540	2210	54	860	1480	2080	2950	2830	2450e	1610	1660	2110
12	2390	2370	148	2230	1520	1970	2790	2670	2500e	2000	1680	1780
13	2280	2050	326	154	1560	2560	2460	2790	2480	1300	1800	2480
14	2320	2510	77	395	1670	2440	2430	2390	2320	1760	1900	1910
15	2910	2280	99	200	1840	2430	2660	1980	2280	1730	1160	2020
16	2660	2180	149e	610	1610	2570	2630	2050	1840	1770	1490	1510
17	2740	2630	94e	102	1850	2580	2280	1970	2090	2090	1670	1190
18	2660	1910	122e	92	1990	2930	2310	1830	2410	2920	1790	2100
19	2910	1990	382e	134	1710	2640	2880	1880	2210	1670	1110	1650
20	2390	2600	670e	165	2200	2100	2450	1600	1900	1690	1060	2110
21	2800	2770	1310e	564	1090	3000	2690	1370	1820	2410	1540	1580
22	2610	2230	1090e	873	1880	2270	2130	1720	1960	1620	1230	1650
23	2590	1020	574	997	1730	1540	2300	1730	2070	1220	1090	1780
24	2580	2420	136e	1200	1490	2390	2500	2450e	1830	1360	1130	1710
25	2600	2700	310e	753	1810	2350	2390	2650e	1980	1650	1810	1620
26	2390	2410	773e	1420	1730	1840	2360	2650e	2520	1390	1530	2090
27	2020	2150	326	1170	1950	1810	2940	2600e	1900	1140	1470	2010
28	2450	1920	693	1720	1790	1930	2600	2600e	1840	2180	1120	1640
29	2250	1270	364	1500e	1860	2110	2400	2500e	2030	1420	1570	2080
30	2660	418	306	1400e		1920	2150	2400e	2000	1470	645	2220
31	2390	---	764	1460	---	1850	---	2190e	---	715	1150	---
TOTAL	76980	65308	12182	24645	48330	60359	72850	67200	68050	53915	41956	50885
MEAN	2483	2176	392.8	795.3	1666	1948	2430	2167	2268	1739	1354	1696
MAX	2910	2830	1310	2230	2200	3000	3020	2830	2760	2920	1900	2480
MIN	1950	418	54	91	1090	286	1470	1370	1820	715	645	955
AC-FT	152700	129500	24160	48880	95860	119700	144500	133300	135000	106900	83220	100900
CAL YEAR 2007	TOTAL		644699	MEAN	1766	MAX	3360	MIN	52.0	AC-FT	1279000	
WTR YEAR 2008	TOTAL		642660	MEAN	1756	MAX	3020	MIN	54.0	AC-FT	1275000	

e indicates estimated discharge.

**PLATTE RIVER BASIN  
( Loup River )**

**BEAVER CREEK at Loretto, 06793500**

LOCATION.--NE1/4SE1/4 Sec. 26-21-7 W., Boone County, Lat. 41° 45' 50", Long. 98° 04' 50", on the left bank 5 feet downstream from county road bridge, at west end of Loretto.

DRAINAGE AREA.--311 square miles, approximately 100 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is 1,785.95 feet above sea level.

PERIOD OF RECORD.--Oct. 1944 - Sep. 1953, Oct. 1979 - present

REMARKS.--Record published by U. S. Geological Survey up to October 1, 1991. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 5,600 cubic feet per second August 29, 1993, gage height 11.88 feet; minimum daily discharge 12 cubic feet per second July 8, August 8, 9, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,570 cubic feet per second May 30, gage height 10.23 feet; minimum daily discharge 48 cubic feet per second August 23 - 25, 27 - September 1.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	122	148	86	91e	82e	104e	105	116	379	91	63	48
2	93	140	88	99e	80e	97e	118	109	305	82	60	49
3	85	136	90	103e	83e	94e	121	139	297	87	58	53
4	79	131	94	102e	80e	94e	125	158	289	87	56	53
5	80	127	97	105e	83e	96e	124	140	333	75	55	52
6	78	125	103	106e	85e	100e	118	127	341	78	53	55
7	73	122	100	109e	84e	104e	112	186	306	91	54	57
8	99	118	99	109e	83e	110e	107	155	1300	165	54	61
9	118	116	94	106e	83e	108	103	147	561	197	55	69
10	105	112	96	106e	84e	106	103	186	377	165	55	64
11	97	109	112	103e	84e	108	147	311	254	131	54	66
12	90	105	109	98e	82e	112	160	298	190	125	74	75
13	93	103	108	92e	82e	119	207	211	155	110	74	68
14	104	98	109	90e	82e	117	247	159	137	104	71	62
15	372	95	110e	89e	87e	110	233	135	118	105	69	59
16	482	93	110e	88e	97e	105	184	123	109	180	63	59
17	521	92	112e	80e	103e	104	160	115	110	171	62	58
18	820	91	117e	81e	100e	107	153	107	112	171	60	58
19	532	91	116e	86e	90e	115	138	99	110	200	58	56
20	400	89	116e	85e	82e	114	126	91	109	209	55	56
21	356	87	116e	82e	85e	111	116	86	109	149	53	56
22	305	86	112e	80e	94e	106	109	84	108	116	51	57
23	279	85	103e	80e	100e	100	103	127	108	103	48	59
24	259	84	96e	76e	110e	97	99	691	107	95	48	58
25	243	83	91e	75e	117e	93	104	606	107	93	48	60
26	226	81	90e	84e	114e	90	168	639	106	84	49	59
27	210	80	90e	83e	110e	87	187	608	103	78	48	58
28	195	79	89e	82e	106e	91	161	614	104	73	48	57
29	181	79	85e	76e	113e	96	143	769	102	67	48	57
30	169	81	81e	76e	---	96	128	1580	99	65	48	57
31	157	---	84e	78e	---	91	---	563	---	64	48	---
TOTAL	7023	3066	3103	2800	2665	3182	4209	9479	6945	3611	1740	1756
MEAN	226.6	102.2	100.1	90.6	92.1	102.6	140.3	305.7	231.5	116.5	56.1	58.5
MAX	820	148	117	109	117	119	247	1580	1300	209	74	75
MIN	73	79	81	75	80	87	99	84	99	64	48	48
AC-FT	13930	6081	6155	5554	5286	6311	8348	18800	13780	7162	3451	3483
CAL YEAR 2007	TOTAL		53908	MEAN	147.7	MAX	1110	MIN	41.0	AC-FT	106900	
WTR YEAR 2008	TOTAL		49579	MEAN	135.5	MAX	1580	MIN	48.0	AC-FT	98340	

e indicates estimated discharge.

# PLATTE RIVER BASIN (Elkhorn River)

**ELKHORN RIVER near Atkinson, 06796973**

LOCATION.--SW1/4NW1/4 Sec. 13-29-14 W., Holt County, Lat. 42° 29' 12", Long. 98° 54' 42", on left bank 10 feet downstream from county road bridge, 4 miles southeast of Atkinson.

DRAINAGE AREA.--Undetermined.

GAGE.--Continuous stage recorder. Gage elevation approximately 2,042 feet above sea level from topographic map.

PERIOD OF RECORD.--1982 - present

REMARKS.--Published by U. S. Geological Survey up to October 1, 1991. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 4,060 cubic feet per second May 29, 1995, gage height 9.27 feet; minimum daily discharge 0.15 cubic feet per second August 31, 2000.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,000 cubic feet per second May 30, gage height 6.96 feet; minimum daily discharge 6.8 cubic feet per second estimated January 1.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	14	20	18e	6.8e	18e	28e	53	86	670	43	20	7.0
2	12	21	12e	7.9e	18e	29e	59	86	581	41	18	8.4
3	11	21	20e	9.3e	20e	25e	67	131	561	40	18	8.7
4	11	22	22e	9.7e	19e	28e	73	158	533	38	17	8.5
5	12	22	18e	8.6e	18e	25e	73	157	531	36	16	8.6
6	14	21	17e	11e	16e	27e	69	134	733	35	16	8.9
7	12	22	17e	13e	17e	22e	61	116	812	37	16	9.3
8	13	23	16e	9.2e	16e	27e	58	103	878	36	16	13
9	12	22	12e	7.9e	19e	37e	56	94	855	37	15	12
10	13	23	14e	11e	16e	43e	61	89	743	36	14	11
11	13	23	19e	9.8e	15e	50	66	86	624	34	13	12
12	14	23	15e	8.3e	16e	56	66	84	511	30	20	13
13	14	23	13e	7.3e	15e	59	121	79	414	29	19	12
14	16	23	17e	9.3e	16e	59	190	74	321	29	20	12
15	24	22	15e	8.0e	14e	56	237	73	247	27	27	12
16	29	23	9.2e	12e	21e	52	222	69	192	25	23	12
17	25	23	12e	11e	25e	49	179	65	166	23	22	11
18	35	23	12e	9.9e	22e	52	139	61	217	23	21	9.7
19	33	24	14e	8.6e	20e	53	115	58	162	31	20	9.2
20	30	23	11e	10e	17e	54	100	53	127	33	18	9.3
21	29	23	9.8e	12e	23e	53	86	50	104	47	16	9.1
22	27	24	8.4e	11e	25e	50	74	46	88	38	15	9.8
23	26	27	7.9e	10e	22e	48	67	59	77	35	13	11
24	25	26	13e	8.1e	25e	48	65	140	71	34	13	10
25	24	25	11e	12e	28e	49	68	301	66	32	12	10
26	24	24	9.2e	14e	27e	47	72	393	62	29	11	10
27	23	22e	7.5e	20e	28e	46	92	372	58	28	10.0	10
28	22	21e	11e	21e	28e	47	105	346	52	26	9.5	10
29	22	18e	7.7e	21e	29e	48	105	547	48	24	8.7	14
30	22	15e	7.7e	17e	---	49	96	947	45	23	7.8	13
31	21	---	12e	17e	---	51	---	859	---	21	7.1	---
TOTAL	622	672	408.4	351.7	593	1367	2895	5916	10549	1000	492.1	314.5
MEAN	20.1	22.4	13.2	11.3	20.5	44.1	96.6	190.9	351.6	32.2	15.9	10.5
MAX	35	27	22	21	29	59	237	947	878	47	27	14
MIN	11	15	7.5	6.8	14	22	53	46	45	21	7.1	7.0
AC-FT	1234	1333	810	698	1176	2711	5742	11730	20920	1983	976	624
CAL YEAR 2007	TOTAL		23243	MEAN	63.7	MAX	708.0	MIN	3.2	AC-FT	46100	
WTR YEAR 2008	TOTAL		25181	MEAN	68.8	MAX	947.0	MIN	6.8	AC-FT	49950	

e indicates estimated discharge.



**PLATTE RIVER BASIN  
( Elkhorn River )**

**SOUTH FORK ELKHORN RIVER near Ewing, 06798000**

LOCATION.--SE1/4NE1/4 Sec. 7-26-9 W., Holt County, Lat. 42° 14' 29", Long. 98° 23' 53", on right bank 7 feet downstream and 80 feet shoreward from bridge on county highway, 2.9 miles southwest of intersection with U.S. Highway 275 in Ewing and 5.5 miles upstream from the mouth.

DRAINAGE AREA.--314 square miles, of which approximately 190 square miles contributes directly to surface runoff.

GAGE.--Continuous Stage Recorder. Elevation of the gage is approximately 1,880 feet from topographic map.

PERIOD OF RECORD.--Oct. 1977 - present

REMARKS.--Published by U. S. Geological Survey up to October 1, 1991. See USGS reports for period of record before 1977. Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 5,640 cubic feet per second March 18, 1987, gage height 7.59 feet; minimum daily discharge 11 cubic feet per second January 15, 1953.

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,090 cubic feet per second on May 30, gage height 5.25 feet; minimum daily discharge 36 cubic feet per second October 12 & 13.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	43e	62	65	73e	69e	105	76	93	1530e	65e	50	42
2	49e	59	68	72e	68e	120	83	92	1220e	65e	50	45
3	51e	60	74	68e	66e	104	94	93	1190e	64e	49	45
4	50e	61	65	67e	66e	94	96	112	1400e	64e	50	44
5	55e	60	66	66e	66e	88	94	117	1470e	63e	48	45
6	56e	58	67e	67e	66e	83	86	108	1280e	62e	48	46
7	54e	57	64e	67e	63e	70	79	110	1100e	61e	46	47
8	48e	57	66e	67e	54e	70	76	129	935e	61e	45	53
9	43e	59	67e	67e	51e	71	73	133	787e	60	46	51
10	39e	59	65e	67e	57e	73	78	128	659e	59	46	50
11	40e	58	67e	68e	57e	79	80	120	550e	58	48	51
12	36e	57	69e	70e	57e	86	92	135	461e	56	54	49
13	36	57	67e	72e	57e	95	155	119	387e	54	50	49
14	46	56	65e	70e	57e	96	223	105	324e	54	52	46
15	95	62	63e	66e	59e	91	192	102	273e	55	51	45
16	168	62	64e	61e	66e	89	147	94	230e	60	50	44
17	200	61	66e	60e	69e	89	108	89	194e	88	48	45
18	517	61	66e	62e	68e	88	86	85	162e	109	47	44
19	1060	61	66e	65e	71e	88	85	79	133e	113	47	45
20	787	61	67e	61e	81e	89	84	72	104e	103	46	45
21	485	61	67e	50e	176e	86	78	70	85e	100	46	45
22	303	61	65e	51e	151e	83	73	72	78e	86	45	51
23	201	62	65e	58e	86e	80	72	94	75e	77	44	50
24	143	63	66e	62e	76e	80	71	288	73e	71	44	48
25	112	64	68	63e	78e	79	79	648	72e	66	44	55
26	86	62	71	63e	73	79	83	837	70e	63	44	55
27	69	65	72	65e	75	79	94	649	70e	59	43	54
28	63	61	72	67e	83	76	118	635	68e	58	43	52
29	55	61	74	70e	92	76	116	877	67e	55	43	50
30	58	62	70e	71e	---	75	104	1870	66e	53	43	49
31	64	---	70e	71e	---	75	---	1840	---	51	42	---
TOTAL	5112	1810	2087	2027	2158	2636	2975	9995	15113	2113	1452	1440
MEAN	164.8	60.3	67.4	65.5	74.4	85.1	99.2	322.2	504.0	68.1	46.8	48.0
MAX	1060	65	74	73	176	120	223	1870	1530	113	54	55
MIN	36	56	63	50	51	70	71	70	66	51	42	42
AC-FT	10140	3590	4140	4020	4280	5228	5901	19820	29980	4191	2880	2856
CAL YEAR 2007	TOTAL		40210	MEAN	110.2	MAX	1810	MIN	23.0	AC-FT	79760	
WTR YEAR 2008	TOTAL		48918	MEAN	133.7	MAX	1870	MIN	36.0	AC-FT	97030	

e indicates estimated discharge.

**PLATTE RIVER BASIN  
( Elkhorn River )**

**ELKHORN RIVER at Neligh, 06798500**

LOCATION.--NW1/4SW1/4 Sec. 20-25-6 W., Antelope County, Lat. 42° 07' 23", Long. 98° 02' 37", on the left bank 30 feet downstream from the roadway on State Highway 14 at Neligh, NE.

DRAINAGE AREA.--2,200 square miles, approximately 1,200 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is 1,717.50 feet above sea level.

PERIOD OF RECORD.--1930 - 1958, 1960 - present

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1993. This station was moved to its present location on Nebraska Highway 14 on June 18, 1999. Previous location was 3/4 mile downstream at the old Highway 14 near the Neligh Mill. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 19,300 cubic feet per second May 30, 1995, gage height 13.37 feet (datum for previous location at Neligh Mill); minimum daily discharge 12 cubic feet per second July 1, 1932.

EXTREMES FOR CURRENT YEAR.--Peak discharge 7,930 cubic feet per second May 31, gage height 9.89 feet; minimum daily discharge 97 cubic feet per second estimated September 1.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	239	365	222e	261e	216e	493e	407	523	6810	276	181	97
2	195	343	231e	261e	222e	594e	488	547	5870	274	173	107
3	174	330	243e	276e	222e	650e	574	1020	5050	302	166	114
4	165	314	252e	279e	231e	678e	600	951	4630	280	164	112
5	190	306	273e	294e	228e	696e	599	896	4440	275	166	121
6	202	300	249e	294e	219e	650e	555	801	4380	264	161	132
7	214	303	240e	300e	219e	562e	467	1050	4310	367	174	133
8	281	303	255e	300e	219e	458e	410	1060	4370	442	167	156
9	271	300	243e	300e	222e	459	395	912	3890	412	155	169
10	262	298	240e	291e	210e	457	391	799	3210	367	152	150
11	248	295	246e	276e	216e	454	567	746	2640	322	156	168
12	237	291	228e	276e	216e	524	711	797	2030	285	255	168
13	239	284	234e	261e	216e	570	1180	777	1720	251	232	160
14	266	279	240e	255e	210e	542	1190	671	1480	233	197	158
15	610	271	243e	240e	209e	523	1090	582	1140	221	190	146
16	1160	270	258e	231e	210e	524	1030	496	1010	225	183	143
17	1170	274	279e	222e	210e	498	926	432	937	257	178	141
18	1400	273	306e	216e	208e	508	740	382	883	505	168	137
19	2120	265	315e	213e	199e	526	630	346	843	456	157	131
20	2120	267	315e	205e	205e	519	547	357	802	392	149	125
21	1610	259	318e	205e	237e	497	483	338	751	399	143	120
22	1120	249	294e	205e	272e	483	434	335	686	366	140	195
23	806	242	267e	202e	294e	442	406	451	612	333	132	172
24	624	243	264e	202e	315e	422	386	1430	522	314	125	167
25	530	233	258e	208e	386e	405	459	2440	464	290	120	171
26	460	237	273e	210e	437e	382	532	2730	411	274	113	181
27	410	235	276e	210e	404e	375	631	3220	368	254	111	176
28	381	228e	279e	228e	383e	361	798	3890	357	234	111	173
29	411	225e	276e	222e	413e	366	717	4180	323	215	109	170
30	415	228e	273e	205e	---	383	598	5750	299	204	105	166
31	394	---	270e	205e	---	395	---	7140	---	191	100	---
TOTAL	18924	8310	8160	7553	7448	15396	18941	46049	65238	9480	4833	4459
MEAN	610.4	277.0	263.3	243.6	257.0	496.6	631.5	1486	2175	305.8	155.9	148.7
MAX	2120	365	318	300	437	696	1190	7140	6810	505	255	195
MIN	165	225	222	202	199	361	386	335	299	191	100	97
AC-FT	37540	16480	16190	14980	14770	30540	37570	91340	129400	18800	9586	8844
CAL YEAR 2007	TOTAL		205994	MEAN	564.4	MAX	7470	MIN	77.0	AC-FT	408600	
WTR YEAR 2008	TOTAL		214791	MEAN	586.9	MAX	7140	MIN	97.0	AC-FT	426000	

e indicates estimated discharge.

**PLATTE RIVER BASIN  
( Elkhorn River )**

**ELKHORN RIVER near Tilden, 06798780**

LOCATION.--SW1/4NW1/4 Sec. 16-24-4 W., Madison County, Lat. 42° 03' 21", Long. 97° 47' 43", on the left bridge abutment 20 feet downstream from a Madison County maintained hard top road about two miles east and 1/2 mile north of Tilden, NE.

DRAINAGE AREA.--Estimated 2,490 square miles, of which about 1,490 square miles is contributing.

GAGE.--Continuous stage recorder. Gage elevation about 1,625 feet from the Tilden 7.5' topographic map.

PERIOD OF RECORD.--May 25, 2007 - present

REMARKS.--Records are good, except estimated records are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharge 7,810 cubic feet per second June 1, gage height 9.80 feet; minimum daily discharge 150 cubic feet per second September 1.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	617	505	360e	356e	389e	799e	693	788	7400	491	256	150
2	461	486	376e	353e	381e	868e	721	782	6260	489	240	161
3	318	464	379e	393e	376e	920e	840	1170	4850	531	231	168
4	290	444	383e	435e	369e	942e	923	1460	3960	501	225	163
5	288	432	383e	435e	364e	949e	911	1240	3780	473	221	162
6	303	430	379e	434e	360e	862e	860	1080	3570	452	223	172
7	300	419	369e	432e	355e	706e	779	1280	3050	574	218	186
8	355	411	350e	422e	350e	567	692	1470	5700	651	226	203
9	384	410	320e	429e	350e	532	644	1430	3490	572	209	225
10	354	414	337e	424e	370e	533	656	1280	2470	525	195	219
11	353	407	363e	412e	393e	540	804	1360	1930	493	190	220
12	347	383	409e	406e	397e	609	955	1160	1590	466	272	240
13	350	373	429e	401e	393e	747	1490	1060	1300	425	340	229
14	372	368	419e	396e	391e	722	1730	948	1040	376	292	211
15	886	370	383e	389e	386e	713	1600	832	921	350	250	195
16	1810	369	379e	381e	369e	710	1470	744	817	378	238	184
17	1580	378	386e	386e	350e	703	1290	665	714	420	230	184
18	2010	385	393e	402e	339e	701	1050	601	666	414	224	183
19	2990	373	399e	389e	333e	714	867	539	658	499	214	173
20	2960	365	389e	373e	324e	725	753	496	824	503	204	165
21	2250	357	383e	361e	336e	696	661	471	685	482	194	161
22	1650	354	386e	346e	394e	671	603	463	728	467	190	202
23	1260	361	422e	324e	467e	647	551	550	635	452	186	257
24	1000	365	416e	317e	563e	621	523	2090	576	426	181	218
25	882	369	406e	337e	656e	597	575	2770	545	402	176	211
26	771	372	386e	363e	634e	589	701	2930	531	374	173	212
27	680	375	369e	425e	591e	597	727	3090	523	342	166	212
28	635	373e	352e	425e	558e	607	928	3440	515	321	169	204
29	595	363e	340e	406e	618e	595	975	3330	502	299	162	204
30	552	363e	337e	403e	---	611	879	4830	494	285	155	196
31	521	---	340e	402e	---	669	---	7050	---	272	153	---
TOTAL	28124	11838	11722	12157	12156	21462	26851	51399	60724	13705	6603	5870
MEAN	907.2	394.6	378.1	392.3	419.1	692.4	895.3	1658	2024	442.1	213.0	195.6
MAX	2990	505	429	435	656	949	1730	7050	7400	651	340	257
MIN	288	354	320	317	324	532	523	463	494	272	153	150
AC-FT	55780	23480	23250	24110	24110	42570	53260	101900	120400	27180	13100	11640

WTR YEAR 2008 TOTAL 262611 MEAN 717.5 MAX 7400 MIN 150.0 AC-FT 520900

e indicates estimated discharge.

**PLATTE RIVER BASIN  
(Elkhorn River)**

**WILLOW CREEK near Foster, 06799080**

LOCATION.--NWL/4NE1/4 Section 4-25-3 W., Pierce County, Lat. 42° 10' 38", Long. 97° 40' 02", on left downstream bank at county road bridge, 6.8 miles south of Foster and 7.2 miles southwest of Pierce.

DRAINAGE AREA.--137 square miles.

GAGE.--Continuous stage recorder. Gage elevation approximately 1,650 feet above mean sea level, from topographic map.

PERIOD OF RECORD.--1975 - present

REMARKS.--Published by U. S. Geological Survey up to October 1, 1993. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 574 cubic feet per second March 18, 1987, gage height 7.94 feet; maximum stage 8.40 feet August 24, 1995; minimum daily discharge 1.0 cubic feet per second November 4, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharge 366 cubic feet per second October 19, gage height 7.94 feet; minimum daily discharge 5.9 cubic feet per second August 30.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	22	18	14e	17e	16e	81e	41	28	210	16	9.7	6.7
2	33	18	13e	16e	16e	91e	51	32	177	16	9.5	7.3
3	25	17	13e	16e	16e	97e	69	67	139	16	9.1	7.2
4	17	17	14e	16e	17e	95e	65	119	80	15	8.6	7.0
5	15	17	14e	17e	16e	68	53	143	80	14	9.2	7.2
6	14	16	15e	17e	16e	48	42	79	129	14	9.2	7.6
7	13	16	15e	17e	16e	41	35	50	113	22	8.7	7.6
8	16	17	14e	16e	16e	37	30	40	179	19	8.2	9.1
9	15	16	13e	16e	16e	30	28	35	174	17	8.5	8.5
10	14	16	15e	16e	17e	26	34	39	130	16	8.4	8.2
11	14	16	16e	16e	17e	28	59	47	78	15	8.7	9.2
12	14	16	15e	16e	18e	34	91	49	52	14	14	8.9
13	14	16	15e	17e	18e	49	135	46	38	14	11	9.1
14	17	15	15e	17e	18e	58	130	37	31	14	10	8.5
15	72	15	15e	17e	18e	50	75	31	26	13	9.6	8.2
16	126	15	15e	16e	19e	40	43	28	22	13	9.3	8.3
17	197	15	15e	16e	19e	36	34	25	21	13	8.3	8.3
18	238	15	15e	16e	19e	38	33	22	21	12	8.9	8.2
19	324	15	15e	16e	19e	41	30	21	22	12	8.5	8.1
20	309	15	16e	15e	19e	43	27	19	28	12	8.1	8.1
21	226	15	17e	15e	20e	40	24	19	23	12	7.4	8.1
22	146	15	18e	15e	21e	38	23	19	27	11	8.1	22
23	76	15	17e	14e	24e	35	21	28	22	12	7.8	13
24	48	15	17e	14e	26e	33	21	125	21	12	7.7	11
25	37	15	16e	14e	29e	31	27	151	20	11	7.5	11
26	31	15	16e	14e	33e	29	40	276	19	11	7.3	11
27	27	15	17e	15e	39e	30	61	283	17	11	7.3	9.8
28	24	15e	17e	15e	51e	31	60	264	17	11	7.0	9.8
29	22	15e	17e	15e	68e	34	43	278	17	10	6.2	10
30	20	14e	17e	15e	---	36	33	282	16	9.3	5.9	9.8
31	19	---	17e	16e	---	38	---	261	---	9.5	6.6	---
TOTAL	2185	470	478	488	657	1406	1458	2943	1949	416.8	264.3	276.8
MEAN	70.5	15.6	15.4	15.7	22.7	45.3	48.6	94.9	64.9	13.5	8.5	9.2
MAX	324	18	18	17	68	97	135	283	210	22	14	22
MIN	13	14	13	14	16	26	21	19	16	9.3	5.9	6.7
AC-FT	4334	932	948	968	1303	2789	2892	5837	3866	827	524	549
CAL YEAR 2007	TOTAL		11237	MEAN	30.8	MAX	401.0	MIN	5.1	AC-FT	22290	
WTR YEAR 2008	TOTAL		12992	MEAN	35.5	MAX	324.0	MIN	5.9	AC-FT	25770	

e indicates estimated discharge.

**PLATTE RIVER BASIN  
( Elkhorn River )**

**WILLOW CREEK RESERVOIR from Willow Creek, 00410300**

LOCATION.--NW1/4SE1/4 Sec. 33-26-2 W. near Pierce, Pierce County, Lat. 42° 10' 49", Long. 97° 33' 18",  
two miles southwest of Pierce.

DRAINAGE AREA.--210 square miles.

GAGE.--Continuous stage recorder. Gage datum is mean sea level.

PERIOD OF RECORD.--1983 - present

STORAGE LEVEL	ELEVATION (feet)	CONTENT (acre-feet)
Top of flood pool	1637.8	18,780
Top of conservation pool	1625.5	6,890
top of dead storage pool	1602.0	100

## STORAGE ( ACFT ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7077	7422	7217	7248	7148	7735	7745	7498	8718	7244	6874	6245
2	7100	7392	7217	7218	7146	7951	7802	7561	8609	7236	6854	6220
3	7116	7362	7217	7225	7150	8113	7875	7633	8476	7214	6834	6212
4	7120	7340	7232	7218	7149	8114	7883	7720	8320	7194	6808	6188
5	7123	7310	7232	7226	7153	8025	7809	7824	8323	7169	6788	6181
6	7114	7287	7247	7233	7145	7928	7729	7850	8331	7170	6762	6165
7	7144	7273	7255	7233	7143	7792	7626	7804	8315	7230	6743	6150
8	7147	7258	7262	7249	7142	7713	7551	7744	8604	7238	6711	6188
9	7140	7250	7255	7264	7137	7641	7506	7683	8596	7231	6679	6181
10	7134	7251	7255	7271	7143	7593	7606	7732	8463	7209	6647	6181
11	7129	7243	7262	7279	7138	7553	7691	7750	8308	7190	6720	6212
12	7123	7236	7270	7279	7132	7560	7762	7728	8131	7178	6743	6219
13	7137	7229	7255	7279	7126	7578	7857	7702	7965	7146	6748	6243
14	7201	7214	7262	7272	7126	7619	7928	7647	7841	7127	6735	6227
15	7869	7201	7262	7272	7127	7629	7905	7609	7725	7115	6722	6219
16	8246	7195	7255	7257	7121	7631	7826	7559	7634	7090	6720	6219
17	8296	7195	7255	7242	7128	7641	7772	7505	7567	7078	6707	6219
18	8569	7201	7262	7242	7128	7651	7709	7459	7507	7065	6687	6219
19	8678	7195	7262	7220	7116	7653	7655	7421	7687	7053	6668	6212
20	8797	7202	7262	7228	7117	7671	7594	7376	7687	7034	6636	6204
21	8706	7189	7270	7228	7111	7673	7540	7337	7648	7041	6611	6235
22	8539	7189	7247	7206	7105	7668	7487	7299	7600	7029	6591	6424
23	8318	7183	7240	7206	7112	7655	7449	7420	7538	7010	6552	6480
24	8124	7183	7247	7193	7131	7657	7426	7751	7491	6998	6526	6488
25	7965	7177	7255	7187	7183	7628	7480	7901	7452	6992	6492	6512
26	7839	7184	7262	7181	7203	7607	7511	8020	7414	6979	6459	6520
27	7737	7177	7262	7187	7210	7633	7535	8369	7382	6967	6433	6537
28	7652	7174	7270	7180	7263	7627	7566	8634	7321	6961	6400	6569
29	7590	7171	7270	7178	7455	7645	7558	8844	7290	6936	6359	6569
30	7529	7165	7262	7164	---	7639	7528	8870	7267	6931	6310	6577
31	7476	---	7263	7156	---	7712	---	8794	---	6893	6278	---
MEAN	7669	7235	7253	7226	7155	7708	7664	7808	7907	7095	6639	6300
MAX	8797	7422	7270	7279	7455	8114	7928	8870	8718	7244	6874	6577
MIN	7077	7165	7217	7156	7105	7553	7426	7299	7267	6893	6278	6150
CAL YEAR 2007	MEAN	7256	MAX	8905	MIN	6173						
WTR YEAR 2008	MEAN	7306	MAX	8870	MIN	6150						

**PLATTE RIVER BASIN  
( Elkhorn River )**

**WILLOW CREEK near Pierce, 00232500**

LOCATION.--SE1/4SW1/4 Sec. 33-26-2 W., Pierce County, Lat. 42° 10' 49", Long. 97° 33' 18", on Willow Creek Dam, Two miles southwest of Pierce.

DRAINAGE AREA.--210 square miles.

GAGE.--Continuous stage recorder. Gage datum is mean sea level.

PERIOD OF RECORD.--1983 - present

REMARKS.--Records are good.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 464 cubic feet per second March 26, 1987, gage height 6.87 feet; minimum daily discharge 0.54 cubic feet per second July 31, 2006.

EXTREMES FOR CURRENT YEAR.--Peak discharge 323 cubic feet per second May 30, gage height 6.11 feet; minimum daily discharge 2.8 cubic feet per second, September 30.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	15	52	25	32	11	60	54	58	274	29	4.0	3.2
2	17	46	27	29	11	101	59	56	253	28	3.9	3.2
3	20	43	26	28	11	130	65	66	226	27	4.0	3.2
4	20	39	27	27	11	149	72	74	191	26	3.7	3.0
5	20	37	27	26	11	138	74	86	172	24	3.6	3.0
6	21	34	29	26	11	120	72	96	185	23	3.7	3.4
7	20	32	29	26	11	101	64	94	172	27	4.0	3.5
8	24	31	30	27	11	86	57	86	210	31	3.9	3.6
9	23	30	29	27	11	75	52	78	246	31	3.7	3.8
10	22	30	30	28	10	67	51	77	227	30	3.4	3.8
11	21	29	30	28	9.8	63	67	83	194	28	3.0	3.8
12	21	28	30	28	9.8	62	80	83	159	26	3.6	3.8
13	21	28	30	28	9.6	62	95	79	128	24	4.1	3.7
14	26	28	30	27	9.5	65	112	75	105	22	4.4	3.6
15	62	26	30	26	9.2	67	118	70	87	21	4.7	3.5
16	163	25	31	26	9.0	66	108	66	74	19	4.9	3.6
17	195	25	30	24	9.3	66	92	61	64	17	4.9	3.6
18	232	25	30	22	9.3	65	82	53	56	16	4.5	3.4
19	274	25	30	21	8.9	65	73	47	54	15	3.9	3.2
20	309	25	30	20	8.5	65	64	39	73	14	3.5	3.1
21	302	24	31	19	8.3	64	57	32	69	15	3.6	3.2
22	270	24	31	18	8.0	62	51	31	65	14	3.9	3.3
23	223	24	29	17	7.9	60	45	38	60	12	3.6	3.0
24	178	23	28	16	8.4	57	42	69	54	11	3.4	3.0
25	146	23	29	15	10	54	46	101	48	11	3.6	3.0
26	123	23	30	14	12	49	51	117	42	10.0	3.8	3.0
27	101	23	31	13	13	48	55	157	37	9.1	3.8	2.9
28	86	23	31	13	15	47	60	223	36	8.1	3.4	2.9
29	73	22	32	13	26	45	62	281	35	7.1	3.1	2.9
30	65	21	32	12	---	45	59	312	32	6.1	3.1	2.8
31	58	---	32	11	---	50	---	301	---	4.8	3.2	---
TOTAL	3151	868	916	687	310.5	2254	2039	3089	3628	586.2	117.9	99
MEAN	101.7	28.9	29.5	22.2	10.7	72.7	68.0	99.6	121.0	18.9	3.8	3.3
MAX	309	52	32	32	26	149	118	312	274	31	4.9	3.8
MIN	15	21	25	11	7.9	45	42	31	32	4.8	3.0	2.8
AC-FT	6250	1722	1817	1363	616	4471	4044	6127	7196	1163	234	196
CAL YEAR 2007	TOTAL		15818	MEAN	43.3	MAX	319.0	MIN	1.3	AC-FT	31370	
WTR YEAR 2008	TOTAL		17746	MEAN	48.5	MAX	312.0	MIN	2.8	AC-FT	35200	

**PLATTE RIVER BASIN  
(Elkhorn River)**

**UNION CREEK at Madison, 06799230**

LOCATION.--SW1/4SE1/4 Sec. 32-22-1 W., Madison County, Lat. 41° 49' 52", Long. 97° 27' 19", on left bank 12 feet downstream from bridge on old U.S. highway 81, in Madison.

DRAINAGE AREA.--173.76 square miles

GAGE.--Continuous stage recorder. Datum of gage is 1549.70 feet, National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1978 - present

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1993. Records are fair.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 15,100 cubic feet per second June 16, 1990, gage height 25.72 feet; minimum daily discharge 2.0 cubic feet per second August 28, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,170 cubic feet per second May 30, gage height 19.87 feet; minimum daily discharge 7.3 cubic feet per second August 26.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	64	36	23	25	27	194	43	36	572	31	12	11
2	51	32	26	24	26	139	37	58	508	32	12	15
3	25	33	29	24	27	57	35	106	648	33	12	13
4	21	32	30	25	27	43	36	69	398	36	10	13
5	20	33	32	26	27	38	36	47	852	31	11	13
6	20	31	29	27	26	33	33	45	438	30	10	13
7	29	30	28	28	26	31	31	53	84	33	11	14
8	503	30	27	29	28	31	30	55	624	31	8.7	18
9	259	31	26	29	28	32	30	43	573	29	9.3	16
10	45	31	27	29	27	32	46	82	86	27	10	16
11	32	31	27	29	27	36	122	198	64	28	12	23
12	29	30	27	28	25	42	70	80	59	29	16	31
13	32	30	27	27	26	41	49	54	57	26	18	25
14	73	27	27	26	26	38	42	47	52	26	16	17
15	881	25	27	26	25	34	38	53	51	24	17	17
16	1390	27	27	26	28	32	35	70	49	70	15	16
17	469	26	27	25	33	33	36	72	48	60	13	15
18	637	27	27	25	32	36	38	79	50	62	12	14
19	977	27	27	24	40	36	39	85	59	44	8.1	14
20	147	27	27	25	41	34	37	93	47	28	8.0	13
21	75	26	28	25	31	34	34	104	43	24	9.7	13
22	58	25	26	25	28	33	33	123	46	20	11	17
23	50	24	24	25	38	32	32	198	49	20	12	15
24	46	25	23	24	157	31	32	926	44	19	12	15
25	44	26	25	24	447	30	47	666	56	19	12	14
26	42	26	27	25	116	31	48	108	39	19	7.3	13
27	40	26	29	26	64	33	45	225	36	17	7.4	12
28	38	25	28	28	86	34	43	498	37	15	9.5	12
29	37	24	27	28	163	33	38	249	36	13	9.7	12
30	37	23	26	26	---	32	36	1760	33	14	11	12
31	36	---	26	26	---	38	---	1130	---	14	11	---
TOTAL	6207	846	836	809	1702	1353	1251	7412	5738	904	353.7	462
MEAN	200.2	28.1	27.0	26.2	58.7	43.7	41.7	238.8	191.2	29.2	11.4	15.3
MAX	1390	36	32	29	447	194	122	1760	852	70	18	31
MIN	20	23	23	24	25	30	30	36	33	13	7.3	11
AC-FT	12310	1678	1658	1605	3376	2684	2481	14700	11380	1793	702	916
CAL YEAR 2007	TOTAL		31527	MEAN	86.4	MAX	2800	MIN	4.5	AC-FT	62530	
WTR YEAR 2008	TOTAL		27874	MEAN	76.2	MAX	1760	MIN	7.3	AC-FT	55290	

**PLATTE RIVER BASIN  
( Elkhorn River )**

**PEBBLE CREEK at Scribner, 06799385**

LOCATION.--NW1/4SE1/4 Sec. 36-20-6E., Dodge County, Lat. 41° 39' 34", Long 96° 41' 00", on right bank  
12 feet downstream from bridge on blacktop county road one mile west and one-quarter mile south  
of Scribner.

DRAINAGE AREA.--203.52 square miles.

GAGE.--Continuous stage recorder. Gage datum is 1,234.72 feet above mean sea level.

PERIOD OF RECORD.--1978 - present

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1993. Records are good, except  
estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 27,900 cubic feet per second June 5, 1991, gage height  
24.15 feet; minimum daily discharge 0.29 cubic feet per second July 20, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharge 16,000 cubic feet per second May 30, gage height 23.59 feet;  
minimum daily discharge 17 cubic feet per second August 25 - September 1.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	24	45	34e	39e	32e	922	59	71	272	63	39	17
2	26	46	32e	39e	37e	508	48	73	214	62	38	19
3	32	44	30e	39e	40e	145	47	90	202	60	38	20
4	25	45	33e	40e	39e	79	51	83	178	58	37	19
5	33	44	35e	43e	37e	66	46	73	206	782	35	18
6	33	40	36e	47e	35e	75	44	65	213	240	35	18
7	27	41	37e	49e	39e	283	46	60	176	82	35	19
8	112	43	36e	49e	42e	93	45	58	348	75	33	21
9	86	43	35e	47e	44e	72	45	57	178	69	33	22
10	46	40	34e	47e	46e	52	60	67	145	65	31	21
11	39	40	36e	44e	47e	53	192	138	127	63	30	36
12	38	39	36e	44e	47e	70	83	89	118	58	33	38
13	39	39	36e	43e	47e	71	62	75	109	56	33	24
14	68	39	34e	42e	48e	54	55	64	98	53	34	22
15	150	37	36e	43e	50e	44	53	62	94	51	32	21
16	407	39	36e	46e	52e	39	50	62	89	81	31	21
17	111	39	37e	46e	53e	39	49	63	86	55	30	22
18	98	38	38e	47e	50e	43	63	61	86	53	29	22
19	169	37	38e	45e	46e	41	65	58	86	53	24	23
20	84	37	40e	44e	39e	39	58	72	83	52	18	23
21	72	37	41e	43e	44e	38	56	75	79	51	18	24
22	63	37e	39e	44e	46e	37	53	84	76	49	18	133
23	60	36e	38e	43e	46e	36	56	211	72	47	18	69
24	58	36e	42e	36e	62e	36	57	482	75	48	18	35
25	56	36e	43e	40e	144e	37	142	237	83	48	17	33
26	55	35e	44e	43e	280e	37	104	150	70	47	17	33
27	54	35e	44e	48e	283e	41	81	189	66	46	17	33
28	51	34e	43e	48e	239e	44	74	275	73	45	17	33
29	51	34e	42e	45e	512e	42	69	376	61	42	17	35
30	52	34e	41e	39e	---	42	70	8190	62	42	17	34
31	49	---	40e	35e	---	50	---	796	---	41	17	---
TOTAL	2268	1169	1166	1347	2526	3228	1983	12506	3825	2637	839	908
MEAN	73.2	38.9	37.6	43.5	87.1	104.1	66.0	403.5	127.5	85.1	27.1	30.3
MAX	407	46	44	49	512	922	192	8190	348	782	39	133
MIN	24	34	30	35	32	36	44	57	61	41	17	17
AC-FT	4499	2319	2313	2672	5010	6403	3933	24810	7587	5230	1664	1801
CAL YEAR 2007	TOTAL		21832	MEAN	59.8	MAX	1690	MIN	13.0	AC-FT	43300	
WTR YEAR 2008	TOTAL		34402	MEAN	94.0	MAX	8190	MIN	17.0	AC-FT	68240	

e indicates estimated discharge.



**PLATTE RIVER BASIN  
( Elkhorn River )**

**LOGAN CREEK at Pender, 06799450**

LOCATION.--NW1/4 Section 26-25-6 E., Thurston County, Lat. 42° 06' 40", Long. 96° 42' 00", on left bank just downstream of the State Highway 94 bridge at Pender.

DRAINAGE AREA.--731 square miles.

GAGE.--Continuous stage recorder. Gage datum is 1,300.96 feet above mean sea level.

PERIOD OF RECORD.--1965 - present

REMARKS.--Published by U. S. Geological Survey up to October 1, 1993. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 36,900 cubic feet per second February 19, 1971, gage height 23.11 feet; minimum daily discharge 12 cubic feet per second August 11, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharge 4,820 cubic feet per second May 29, gage height 11.61 feet; minimum daily discharge 108 cubic feet per second September 28.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	621	408	281	233e	197e	2150e	432	383	868	358	229	132
2	422	398	299	239e	185e	3570	355	390	769	354	218	140
3	286	383	287	237e	200e	1200	350	501	953	343	215	147
4	254	380	285	235e	210e	567	361	503	947	337	209	139
5	242	375	297	243e	222e	416	350	435	1060	345	206	138
6	235	352	290	255e	237e	319	328	416	1170	368	197	142
7	228	348	279	264e	228e	281	302	460	780	376	190	146
8	1400	359	276	282e	200e	271	289	447	1750	487	182	160
9	766	354	253	279e	191e	286	290	406	1200	364	176	172
10	453	350	248e	273e	200e	264	317	415	800	372	169	156
11	389	353	241e	270e	213e	352	697	547	717	475	167	160
12	361	342	225e	266e	231e	955	561	509	676	349	178	191
13	350	331	217e	258e	228e	829	457	453	604	311	292	168
14	491	330	194e	249e	231e	476	423	419	558	293	191	153
15	1460	309	209e	255e	234e	372	410	408	532	281	174	141
16	2730	312	209e	261e	228e	311	390	420	500	270	160	138
17	1280	323	225e	246e	234e	294	367	406	480	264	153	131
18	1370	318	217e	225e	194e	304	395	377	469	493	148	123
19	1780	321	225e	216e	194e	359	393	364	488	364	141	118
20	986	319	225e	222e	218e	353	372	348	714	292	132	114
21	820	306	233e	234e	243e	325	361	336	523	345	134	111
22	701	295	233e	231e	294e	301	340	343	487	413	138	138
23	644	290	217e	228e	477e	274	331	417	454	296	142	209
24	600	299	241e	231e	628e	264	329	1000	432	282	140	146
25	561	308	217e	237e	616e	273	438	974	425	278	136	124
26	538	308	233e	243e	601e	266	560	605	413	264	133	119
27	508	300	217e	248e	408e	269	471	712	402	248	133	113
28	474	289	241e	246e	384e	274	424	872	390	235	157	108
29	462	280	225e	234e	1000e	277	395	2450	374	231	144	131
30	460	266	241e	228e	---	282	386	2460	361	224	137	139
31	443	---	225e	213e	---	320	---	1230	---	225	134	---
TOTAL	22315	9906	7505	7581	8926	17054	11874	20006	20296	10137	5255	4247
MEAN	720.0	330.2	242.1	244.3	307.9	550.3	395.8	645.4	676.6	327.0	169.5	141.6
MAX	2730	408	299	282	1000	3570	697	2460	1750	493	292	209
MIN	228	266	194	213	185	264	289	336	361	224	132	108
AC-FT	44260	19650	14890	15040	17700	33830	23550	39680	40260	20110	10420	8424
CAL YEAR 2007	TOTAL		120450	MEAN	330.0	MAX	3090	MIN	77.0	AC-FT	238900	
WTR YEAR 2008	TOTAL		145102	MEAN	396.5	MAX	3570	MIN	108.0	AC-FT	287800	

e indicates estimated discharge.

# PLATTE RIVER BASIN ( Elkhorn River )

**ELKHORN RIVER near Winslow, 06799510**

LOCATION.--NW1/4NE1/4 Sec. 24-19-8 E., Dodge County, Lat. 41° 36' 40", Long. 96° 28' 06", near the left side of the bank about 30 feet downstream of a Dodge County maintained hard top road about one and 3/4 miles east of Winslow, NE.

DRAINAGE AREA.--Estimated 6120 square miles with 5,090 square miles estimated contributing to runoff.

GAGE.--Continuous stage recorder. Gage datum 1,190 feet from the Nickerson 7.5' topographic map.

PERIOD OF RECORD.--July, 2007 - present

REMARKS.--Records are fair, except estimated records are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharge 21,500 cubic feet per second May 30, gage height 18.37 feet; minimum daily discharge 583 cubic feet per second September 1.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	948	2320	1400e	851e	1060e	5760e	2660	3250	15300	1620	1090	583
2	1740	2140	1360e	869e	1120e	5370	2660	3290	12100	1500	1060	593
3	1690	1980	1340e	951e	1100e	5140	2590	3470	11200	1440	1040	630
4	1800	1880	1380e	951e	1080e	5870	2540	3940	10500	1380	1000	649
5	1290	1870	1320e	1010e	1010e	6240	2620	4040	11600	1960	983	642
6	1080	1830	1300e	1100e	1030e	6150	2560	3170	11500	2560	979	651
7	975	1710	1280e	1120e	1010e	5140	2520	3690	10500	1680	967	664
8	1860	1700	1300e	1180e	890e	3740	2380	3880	10100	1570	935	691
9	5230	1690	1110e	1200e	786e	3090	2100	4250	13200	2250	904	723
10	3490	1660	885e	1260e	828e	3890	2200	4360	12400	2350	867	770
11	2120	1680	782e	1240e	786e	4550	3600	4900	8990	2150	839	829
12	1600	1730	760e	1220e	766e	4740	4130	4290	7630	2010	856	928
13	1440	1770	683e	1200e	869e	4550	3380	3510	6460	1910	846	925
14	1570	1640	766e	1180e	931e	4440	2800	3320	5570	1650	949	882
15	3030	1590	848e	1060e	993e	3940	3740	3200	4910	1400	1200	863
16	9460	1560	786e	993e	1100e	3340	3420	3210	4430	1340	1320	832
17	9530	1560	828e	911e	1300e	2980	3050	3140	3940	1250	972	804
18	8410	1590	786e	869e	1250e	2910	3450	3100	3470	1310	849	788
19	10400	1690	745e	869e	1250e	2690	2980	2920	3270	1780	790	777
20	9770	1680	786e	848e	1160e	2690	2480	2710	3340	1610	742	774
21	7790	1660	745e	869e	1250e	2700	2620	2410	5430	1570	710	773
22	6440	1530	786e	890e	1300e	2740	2720	2260	3840	1650	689	835
23	5190	1450	745e	911e	1580e	2660	2510	3180	3260	1710	674	1130
24	4320	1470	807e	1010e	1820e	2300	2440	5460	3230	1450	657	1060
25	3610	1460	848e	1080e	2580e	2110	3860	8570	2930	1480	636	1000
26	3270	1530	828e	1060e	3670e	2020	3420	8310	2540	1380	618	1000
27	3050	1530	766e	1100e	5950e	2090	3120	8160	2320	1330	607	930
28	2750	1470	786e	1160e	6380e	2180	3050	10000	2240	1270	598	913
29	2640	1430	766e	1180e	6090e	2020	2910	10100	2050	1210	592	930
30	2560	1440	786e	1140e	---	1940	3240	19600	1850	1160	590	936
31	2510	---	848e	973e	---	2190	---	18400	---	1120	584	---
TOTAL	121563	50240	29156	32255	50939	112170	87750	168090	200100	50050	26143	24505
MEAN	3920	1674	940.4	1040	1757	3618	2925	5423	6673	1614	843.6	816.8
MAX	10400	2320	1400	1260	6380	6240	4130	19600	15300	2560	1320	1130
MIN	948	1430	683	848	766	1940	2100	2260	1850	1120	584	583
AC-FT	241100	99650	57830	63980	101000	222500	174000	333400	396900	99270	51850	48600
WTR YEAR 2008	TOTAL		952961	MEAN	2604	MAX	19600	MIN	583.0	AC-FT	1890000	

e indicates estimated discharge.

## REPUBLICAN RIVER BASIN

## HAIGLER CANAL from Republican River, 00061000

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

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	23	---	---	---	---	---	0.00	27	18	22	23	19
2	25	---	---	---	---	---	0.00	17	18	23	23	20
3	27	---	---	---	---	---	0.00	6.4	17	26	20	22
4	28	---	---	---	---	---	0.00	13	15	25	20	22
5	21	---	---	---	---	---	0.00	17	10	24	21	22
6	17	---	---	---	---	---	0.00	22	9.6	23	20	22
7	17	---	---	---	---	---	0.00	24	9.0	23	10	22
8	24	---	---	---	---	---	0.00	25	9.3	25	12	21
9	28	---	---	---	---	---	0.00	27	9.7	24	14	17
10	29	---	---	---	---	---	0.00	27	13	24	16	13
11	29	---	---	---	---	---	0.00	28	14	23	19	11
12	28	---	---	---	---	---	0.00	28	14	22	24	9.9
13	27	---	---	---	---	---	0.00	25	15	23	21	9.8
14	24	---	---	---	---	---	0.00	24	15	22	21	9.7
15	21	---	---	---	---	---	0.00	26	15	21	12	9.5
16	21	---	---	---	---	---	0.00	24	17	18	9.1	9.2
17	21	---	---	---	---	---	0.00	25	19	15	9.5	14
18	19	---	---	---	---	---	0.30	22	19	10	9.8	14
19	20	---	---	---	---	---	8.6	18	17	13	7.1	14
20	23	---	---	---	---	---	11	19	15	18	12	16
21	20	---	---	---	---	---	13	20	17	20	10	16
22	15	---	---	---	---	---	18	17	19	23	13	16
23	16	---	---	---	---	---	16	13	19	21	14	14
24	17	---	---	---	---	---	3.1	13	20	20	14	12
25	17	---	---	---	---	---	2.9	15	20	23	16	8.6
26	9.7	---	---	---	---	---	4.8	15	17	23	18	8.4
27	0.00	---	---	---	---	---	2.6	16	17	23	17	11
28	0.00	---	---	---	---	---	5.4	17	16	23	15	12
29	0.00	---	---	---	---	---	11	15	12	24	12	14
30	0.00	---	---	---	---	---	23	18	20	25	12	13
31	0.00	---	---	---	---	---	---	16	---	23	17	---
TOTAL	566.7	0	0	0	0	0	119.7	619.4	465.6	672	481.5	442.1
MEAN	18.3	---	---	---	---	---	4.0	20.0	15.5	21.7	15.5	14.7
MAX	29	---	---	---	---	---	23	28	20	26	24	22
MIN	0.00	---	---	---	---	---	0.00	6.4	9.0	10	7.1	8.4
AC-FT	1124	0.00	0.00	0.00	0.00	0.00	237	1229	924	1333	955	877
CAL YEAR 2007	MAX	30.0	MIN	0.000	AC-FT	7007						
WTR YEAR 2008	MAX	29.0	MIN	0.000	AC-FT	6678						

# REPUBLICAN RIVER BASIN

**HAIGLER CANAL from Republican River, 00061400**

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13	---	---	---	---	---	0.00	12	16	20	22	18
2	14	---	---	---	---	---	0.00	12	16	20	22	17
3	14	---	---	---	---	---	0.00	2.7	14	22	19	19
4	14	---	---	---	---	---	0.00	9.3	11	22	19	19
5	16	---	---	---	---	---	0.00	10	10	22	19	19
6	9.8	---	---	---	---	---	0.00	14	9.3	21	20	19
7	10	---	---	---	---	---	0.00	14	8.4	21	11	19
8	12	---	---	---	---	---	0.00	14	8.3	22	10	19
9	14	---	---	---	---	---	0.00	15	9.3	22	13	17
10	14	---	---	---	---	---	0.00	15	10	21	14	14
11	16	---	---	---	---	---	0.00	17	13	21	17	10
12	15	---	---	---	---	---	0.00	16	12	20	20	9.6
13	16	---	---	---	---	---	0.00	15	14	21	20	9.3
14	14	---	---	---	---	---	0.00	14	14	20	19	8.9
15	13	---	---	---	---	---	0.00	15	13	19	15	8.7
16	15	---	---	---	---	---	0.00	15	14	17	9.0	8.6
17	14	---	---	---	---	---	0.35	17	18	16	8.6	11
18	11	---	---	---	---	---	0.41	16	17	9.3	9.2	13
19	10	---	---	---	---	---	3.0	13	16	11	5.9	13
20	13	---	---	---	---	---	9.7	14	13	17	11	15
21	14	---	---	---	---	---	10	15	17	18	9.7	15
22	11	---	---	---	---	---	12	16	17	20	11	14
23	9.9	---	---	---	---	---	12	13	18	20	13	14
24	11	---	---	---	---	---	0.51	13	19	18	13	12
25	12	---	---	---	---	---	0.00	13	18	20	14	8.9
26	10	---	---	---	---	---	0.63	14	16	20	16	6.9
27	0.00	---	---	---	---	---	4.0	13	15	22	16	10
28	0.00	---	---	---	---	---	2.7	16	20	21	15	11
29	0.00	---	---	---	---	---	8.3	13	11	22	11	13
30	0.00	---	---	---	---	---	14	15	17	23	11	13
31	0.00	---	---	---	---	---	---	16	---	22	14	---
TOTAL	335.7	0	0	0	0	0	77.6	427	424.3	610.3	447.4	404.9
MEAN	10.8	---	---	---	---	---	2.6	13.8	14.1	19.7	14.4	13.5
MAX	16	---	---	---	---	---	14	17	20	23	22	19
MIN	0.00	---	---	---	---	---	0.00	2.7	8.3	9.3	5.9	6.9
AC-FT	666	0.00	0.00	0.00	0.00	0.00	154	847	842	1211	887	803
CAL YEAR 2007	MAX	19.0	MIN	0.000	AC-FT	4514						
WTR YEAR 2008	MAX	23.0	MIN	0.000	AC-FT	5409						

## REPUBLICAN RIVER BASIN

## HAIGLER CANAL SPILLBACK to Arikaree River, 00061500

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

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	6.3	3.0	1.5	3.8	5.6
2	0.00	---	---	---	---	---	---	6.5	3.8	1.7	3.2	4.7
3	0.00	---	---	---	---	---	---	4.3	4.4	2.4	3.0	3.9
4	0.00	---	---	---	---	---	---	4.4	5.8	1.6	3.2	3.4
5	0.85	---	---	---	---	---	---	4.9	5.4	1.6	2.9	3.2
6	0.52	---	---	---	---	---	---	5.7	5.3	1.7	3.2	3.2
7	0.88	---	---	---	---	---	---	3.7	5.4	1.9	3.9	3.2
8	1.4	---	---	---	---	---	---	3.6	3.9	3.1	4.1	3.6
9	0.28	---	---	---	---	---	---	4.3	1.7	2.1	4.8	4.5
10	0.00	---	---	---	---	---	---	4.3	1.6	4.4	4.5	4.6
11	0.00	---	---	---	---	---	---	6.0	4.2	2.7	4.5	4.4
12	0.88	---	---	---	---	---	---	6.8	2.7	2.3	4.2	3.9
13	3.3	---	---	---	---	---	---	5.7	3.8	3.9	4.1	5.5
14	3.5	---	---	---	---	---	---	4.4	3.6	2.7	4.7	5.1
15	3.4	---	---	---	---	---	0.00	3.5	1.6	2.7	4.4	4.3
16	4.0	---	---	---	---	---	0.00	3.1	1.7	2.6	4.9	4.2
17	2.9	---	---	---	---	---	0.00	3.8	1.8	7.2	5.7	3.9
18	2.5	---	---	---	---	---	0.00	3.7	1.2	5.4	5.7	4.6
19	1.3	---	---	---	---	---	0.00	3.0	1.7	5.3	5.2	4.2
20	0.95	---	---	---	---	---	3.4	3.5	1.3	3.2	4.4	3.3
21	1.3	---	---	---	---	---	6.7	3.2	1.4	3.1	4.6	3.1
22	1.7	---	---	---	---	---	9.2	6.1	1.4	3.6	4.4	3.0
23	1.1	---	---	---	---	---	9.1	6.3	1.4	3.4	4.7	3.0
24	0.80	---	---	---	---	---	5.6	6.6	1.4	2.6	4.6	3.5
25	0.00	---	---	---	---	---	4.5	5.8	1.4	4.5	3.9	4.6
26	0.04	---	---	---	---	---	4.2	5.1	1.4	2.8	3.1	4.3
27	0.59	---	---	---	---	---	4.1	5.3	1.4	2.9	3.1	2.7
28	0.00	---	---	---	---	---	4.1	5.1	1.4	2.8	3.1	1.9
29	0.00	---	---	---	---	---	6.0	4.6	1.8	3.5	3.3	1.6
30	0.00	---	---	---	---	---	8.4	5.1	1.5	4.8	4.3	1.3
31	0.00	---	---	---	---	---	---	5.2	---	3.4	4.1	---
TOTAL	32.19	0	0	0	0	0	65.3	149.9	78.4	97.4	127.6	112.3
MEAN	1.0	---	---	---	---	---	4.1	4.8	2.6	3.1	4.1	3.7
MAX	4.0	---	---	---	---	---	9.2	6.8	5.8	7.2	5.7	5.6
MIN	0.00	---	---	---	---	---	0.00	3.0	1.2	1.5	2.9	1.3
AC-FT	64	0.00	0.00	0.00	0.00	0.00	130	297	156	193	253	223
CAL YEAR 2007	MAX		17.0	MIN	0.000	AC-FT	885					
WTR YEAR 2008	MAX		9.2	MIN	0.000	AC-FT	1315					

SWANSON LAKE near Trenton, 06829000

LOCATION.--SE1/4NE1/4 Sec. 5-2-33 W., Hitchcock County, Lat. 40° 10' 10", Long. 101° 03' 35", in gate control house at right end of spillway on downstream side of Trenton Dam on Republican River, 2.5 miles west of Trenton.

GAGE.--Continuous stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

DRAINAGE AREA.--8,620 square miles, of which approximately 3,940 square miles contributes directly to surface runoff.

PERIOD OF RECORD.--May 1953 - present

REMARKS.--Values from the U.S. Bureau of Reclamation Great Plains Region web page. Published by U. S. Geological Survey up to October 1, 1994.

STORAGE ( ACFT ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	47020	45820	45120	45230	46130	48580	51090	53860	55950	55650	53920	52020
2	46990	45790	45120	45290	46130	48670	51150	53990	55850	55620	53820	51960
3	46960	45760	45060	45350	46160	48730	51150	54060	55850	55620	53760	51770
4	46900	45730	45060	45410	46190	48830	51310	54090	56220	55520	53690	51700
5	46740	45700	45030	45470	46220	48990	51340	54120	56320	55520	53390	51640
6	46710	45640	45000	45530	46220	49050	51410	54020	56320	55480	53330	51670
7	46710	45640	45000	45550	46220	49110	51470	54120	56390	55450	53300	51600
8	46650	45610	44970	45550	46310	49210	51570	54220	56320	55320	53300	51540
9	46590	45580	44940	45550	46310	49300	51570	54250	56290	55350	53230	51640
10	46530	45550	45150	45550	46340	49370	51640	54320	56320	55250	53160	51570
11	46470	45520	45150	45550	46370	49400	51830	54380	56290	55220	53100	51540
12	46430	45490	45150	45550	46470	49490	52060	54420	56190	55120	53160	51470
13	46370	45460	45150	45580	46500	49550	52320	54520	56050	54980	53060	51470
14	46310	45430	45150	45580	46560	49780	52480	54480	56050	54850	53000	51510
15	46280	45400	45150	45610	46590	49810	52550	54550	56050	54780	53000	51540
16	46280	45400	45150	45790	46620	49840	52550	54480	56050	54720	52930	51440
17	46310	45360	45150	45790	46650	50030	52610	54480	55820	54550	52870	51410
18	46280	45330	45150	45850	46710	50030	52870	54480	55850	54880	52870	51280
19	46250	45300	45150	45850	46770	50130	52870	54480	55850	54880	52930	51250
20	46220	45270	45180	45850	46900	50220	52900	54520	55850	54850	52870	51220
21	46190	45240	45180	45880	46960	50320	53260	54380	55920	54780	52840	51180
22	46160	45210	45180	45880	46990	50450	53260	54380	55890	54580	52770	51120
23	46100	45180	45180	45910	47020	50510	53330	54450	55790	54550	52710	51090
24	46070	45150	45180	45950	47050	50580	53360	55350	55790	54450	52680	50960
25	46040	45120	45180	45980	48200	50640	53430	55690	55790	54380	52610	50930
26	46010	45120	45180	45980	48200	50700	53560	55690	55820	54320	52510	50900
27	45980	45210	45180	46010	48200	50800	53630	55690	56020	54290	52350	50830
28	45950	45210	45180	46010	48200	50860	53690	55690	55920	54220	52350	50800
29	45910	45180	45180	46100	48510	50930	53720	55690	55820	54120	52350	50770
30	45880	45150	45210	46100	---	50990	53790	55790	55720	54020	52150	50700
31	45850	---	45210	46130	---	51090	---	55850	---	53990	52090	---
MEAN	46360	45420	45130	45720	46820	49870	52460	54660	56010	54880	52970	51350
MAX	47020	45820	45210	46130	48510	51090	53790	55850	56390	55650	53920	52020
MIN	45850	45120	44940	45230	46130	48580	51090	53860	55720	53990	52090	50700
CAL YEAR 2007	MEAN	46030	MAX	51930	MIN	36310						
WTR YEAR 2008	MEAN	50140	MAX	56390	MIN	44940						

# REPUBLICAN RIVER BASIN

## REPUBLICAN RIVER near Trenton, 00126700

LOCATION.--SE1/4NE1/4 Sec. 5-2-33 W., Hitchcock County, Lat. 40° 10' 10", Long. 101° 03' 35", in gate control house at right end of spillway on downstream side of Trenton Dam, 2.5 miles west of Trenton.

DRAINAGE AREA.--8,620 square miles, of which approximately 3,940 square miles contributes to surface runoff.

GAGE.--Rating of two 6'x 7.5' control gates.

PERIOD OF RECORD.--1995 - present; prior record was for Republican River at Trenton gage, 06829500, located 0.9 miles downstream.

REMARKS.--Current record for period June through August for gate releases from Swanson Reservoir. Record for Republican River at Trenton, 06829500, located 0.9 miles downstream was published by U.S. Geological Survey 1946 - 1993 and Department of Water Resources 1994.

DISCHARGE ( CFS ), WATER YEAR 2008

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
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NO RELEASES FROM SWANSON RESERVOIR TO THE REPUBLICAN RIVER IN 2008.

**MEEKER-DRIFTWOOD CANAL from Republican River, 00087000**

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

DISCHARGE ( CFS ), WATER YEAR 2008

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 Oct      Nov      Dec      Jan      Feb      Mar      Apr      May      Jun      Jul      Aug      Sep  
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NO WATER WAS DIVERTED IN 2008.



## REPUBLICAN RIVER BASIN

## FRENCHMAN CREEK near Imperial, 06831500

LOCATION.--SW1/4NW1/4 Sec. 3-5-38 W., Chase County, Lat. 40°25'45", Long. 101°37'25", on right bank, 0.2 mile downstream from bridge on county road; 5.8 miles upstream from Enders Dam; 1 mile east and 6.1 miles south of Imperial.

DRAINAGE AREA.--880 square miles, approximately 720 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Elevation of the gage is approximately 3130 feet from topographic map.

PERIOD OF RECORD.--1940 - present (published as Frenchman River near Imperial 1965-1972)

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994. Records are fair.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 2,340 cubic feet per second March 22, 1960, gage height 8.43 ft.; minimum daily discharge 1.7 cubic feet per second July 24 & 25, 2003.

EXTREMES FOR CURRENT YEAR.--Peak discharge 206 cubic feet per second June 5, gage height 3.56 feet; minimum daily discharge 2.0 cubic feet per second September 1.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.1	3.5	3.8	4.0	3.7	4.4	4.1	5.2	3.8	3.2	2.5	2.0
2	3.2	3.5	3.8	3.8	3.6	4.3	4.1	6.1	3.7	3.1	2.3	2.1
3	3.2	3.6	3.7	4.0	3.7	4.4	4.3	6.0	3.8	3.2	2.1	2.2
4	3.1	3.5	3.8	4.1	3.7	4.4	4.3	5.7	5.2	3.1	2.1	2.3
5	3.2	3.5	3.9	4.2	3.7	4.2	4.3	5.5	33	3.0	2.3	2.8
6	3.0	3.5	3.9	4.3	3.7	4.2	4.0	5.4	47	3.0	2.3	3.3
7	2.9	3.6	4.0	4.3	3.8	4.2	4.1	5.2	28	3.1	3.3	3.0
8	3.1	3.5	4.1	4.2	3.8	4.2	4.3	5.5	15	3.1	3.1	3.0
9	3.1	3.6	4.0	4.2	3.8	4.2	4.5	5.8	9.3	3.7	3.0	2.9
10	3.1	3.6	4.0	4.2	3.7	4.2	5.0	6.3	6.7	3.2	2.8	2.9
11	3.2	3.6	4.2	4.2	3.7	4.2	5.5	5.4	5.5	2.9	2.7	2.8
12	3.3	3.6	4.1	4.2	3.7	4.2	5.0	5.0	4.9	2.7	2.5	3.4
13	3.5	3.5	4.0	4.2	3.8	4.1	4.7	4.8	4.4	2.7	2.3	3.7
14	3.7	3.4	4.1	4.1	3.8	4.2	4.6	4.8	3.9	2.6	2.3	3.1
15	3.7	3.4	4.1	4.1	3.9	4.2	4.6	4.7	3.7	2.6	2.9	3.0
16	3.6	3.5	4.1	3.8	4.0	4.3	4.4	4.6	4.6	2.6	5.9	2.9
17	3.6	3.6	4.1	3.9	3.7	4.8	5.0	4.4	4.3	2.7	3.9	2.9
18	3.5	3.6	4.1	4.0	3.6	4.6	4.8	4.3	3.9	2.9	3.4	2.8
19	3.5	3.6	4.2	3.9	3.9	4.4	4.7	4.2	4.1	2.8	3.1	2.8
20	3.5	3.5	4.2	3.8	4.0	4.3	4.6	4.1	4.0	2.6	2.9	2.9
21	3.6	3.6	4.2	3.6	4.1	4.2	4.4	4.0	4.2	2.5	2.7	2.9
22	3.5	3.6	4.1	3.6	4.2	4.1	4.6	5.0	3.9	2.5	2.6	2.8
23	3.5	3.7	4.1	3.4	4.2	4.1	4.8	4.9	3.9	2.5	2.5	2.8
24	3.5	3.7	4.1	3.3	4.3	4.1	5.9	4.7	3.7	2.5	2.5	2.8
25	3.5	3.7	4.3	3.6	4.3	4.1	8.1	4.1	3.6	2.5	2.5	2.9
26	3.5	3.7	4.2	3.8	4.3	4.1	6.1	3.9	4.4	2.7	2.5	2.9
27	3.5	3.7	4.1	3.8	4.4	4.1	5.7	4.7	3.8	2.7	2.4	2.9
28	3.6	3.7	4.1	3.9	4.4	4.1	5.5	4.6	3.5	2.6	2.4	2.9
29	3.6	3.7	4.1	3.3	4.4	4.0	5.4	4.2	3.3	3.5	2.3	2.9
30	3.6	3.7	4.1	3.6	---	4.0	5.4	3.9	3.2	3.0	2.2	2.9
31	3.5	---	4.1	3.6	---	4.2	---	4.1	---	2.6	2.2	---
TOTAL	105	107.5	125.7	121	113.9	131.1	146.8	151.1	236.3	88.4	84.5	85.5
MEAN	3.4	3.6	4.0	3.9	3.9	4.2	4.9	4.9	7.9	2.9	2.7	2.9
MAX	3.7	3.7	4.3	4.3	4.4	4.8	8.1	6.3	47	3.7	5.9	3.7
MIN	2.9	3.4	3.7	3.3	3.6	4.0	4.0	3.9	3.2	2.5	2.1	2.0
AC-FT	208	213	249	240	226	260	291	300	469	175	168	170
CAL YEAR 2007	TOTAL		6345	MEAN	17.4	MAX	2210	MIN	2.2	AC-FT	12580	
WTR YEAR 2008	TOTAL		1497	MEAN	4.1	MAX	47.0	MIN	2.0	AC-FT	2969	

REPUBLICAN RIVER BASIN

ENDERS RESERVOIR near Enders, 06832000

LOCATION.--NE1/4 Sec. 9-5-37 W., Chase County, Lat. 40° 25' 14", Long. 101° 31' 00", near right bank in control house at outlet tube of Enders Dam on Frenchman Creek, 2.2 miles southeast of Enders.

GAGE.--Continuous stage recorder. Datum of gage is NAVD 83.

DRAINAGE AREA.--950 square miles, of which approximately 790 square miles contributes directly to surface runoff.

PERIOD OF RECORD.--October 1950 - present

REMARKS.--Values from the U.S. Bureau of Reclamation Great Plains Region web page.  
Published by U. S. Geological Survey up to October 1, 2006.

STORAGE ( ACFT ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	17640	17020	16790	16890	16880	16850	16760	16840	16910	16840	16140	15540
2	17620	17040	16800	16880	16870	16860	16750	16860	16900	16810	16100	15510
3	17570	17020	16790	16880	16860	16860	16750	16840	16900	16780	16050	15480
4	17540	17010	16780	16870	16850	16860	16760	16830	16890	16760	16030	15460
5	17510	17000	16800	16870	16870	16860	16750	16820	17100	16740	16050	15460
6	17490	16990	16780	16860	16890	16850	16740	16820	17060	16700	16020	15480
7	17470	16970	16780	16850	16890	16840	16730	16820	17110	16710	16070	15480
8	17470	16960	16790	16890	16890	16840	16730	16810	17130	16730	16050	15470
9	17410	16960	16800	16880	16890	16840	16720	16840	17130	16770	16040	15450
10	17390	16950	16810	16880	16890	16840	16750	16840	17130	16750	16040	15440
11	17370	16950	16850	16890	16890	16840	16910	16830	17130	16730	16010	15440
12	17350	16940	16870	16890	16890	16820	16890	16830	17080	16690	15990	15420
13	17350	16920	16850	16890	16890	16820	16860	16820	17060	16650	15950	15420
14	17340	16920	16870	16890	16890	16800	16830	16800	17030	16610	15920	15410
15	17340	16890	16870	16890	16870	16820	16830	16800	17010	16570	15900	15400
16	17330	16890	16880	16890	16870	16830	16830	16790	16990	16550	15930	15400
17	17310	16890	16890	16890	16870	16840	16830	16770	17030	16540	15920	15390
18	17310	16870	16870	16890	16870	16850	16830	16750	17020	16520	15920	15370
19	17260	16880	16870	16890	16870	16850	16830	16740	17040	16500	15900	15340
20	17240	16870	16890	16890	16860	16840	16820	16720	17020	16470	15870	15330
21	17220	16850	16890	16890	16860	16830	16810	16710	17010	16440	15840	15320
22	17200	16840	16870	16890	16860	16830	16790	16710	17000	16410	15820	15300
23	17170	16830	16870	16890	16860	16820	16780	16940	16990	16390	15790	15270
24	17150	16850	16870	16890	16860	16810	16780	16950	17000	16350	15770	15250
25	17130	16840	16880	16890	16860	16800	16780	16940	16970	16330	15740	15240
26	17130	16840	16890	16890	16860	16800	16860	16930	16960	16300	15720	15220
27	17130	16830	16890	16880	16850	16800	16850	16930	16940	16270	15680	15200
28	17110	16820	16890	16870	16850	16790	16840	16930	16910	16270	15680	15190
29	17100	16820	16890	16880	16850	16790	16830	16930	16890	16240	15650	15180
30	17080	16810	16890	16870	---	16780	16830	16920	16860	16210	15620	15170
31	17070	---	16890	16860	---	16770	---	16920	---	16190	15590	---
MEAN	17320	16910	16850	16880	16870	16820	16800	16840	17010	16540	15900	15370
MAX	17640	17040	16890	16890	16890	16860	16910	16950	17130	16840	16140	15540
MIN	17070	16810	16780	16850	16850	16770	16720	16710	16860	16190	15590	15170
CAL YEAR 2007	MEAN	15400		MAX	21580	MIN	11080					
WTR YEAR 2008	MEAN	16680		MAX	17640	MIN	15170					

## REPUBLICAN RIVER BASIN

**FRENCHMAN CREEK near Enders, 06832500**

LOCATION.--NW1/4NW1/4 Sec. 10-5-37 W., Chase County, Latitude 40°25'15", Long. 101°30'35", on left bank about 75 feet downstream from county bridge, about 1/4 mile downstream from Enders Dam and Highway 61, and 2.5 miles southeast of Enders.

DRAINAGE AREA.--950 square miles; approximately 790 square miles contributes directly to surface runoff. Almost all drainage above gage is controlled by Enders Dam.

GAGE.--Continuous stage recorder. Gage datum is 3,026.22 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1946 - 1994 continuous all year record, 1995 - presently operated during irrigation season when water is released from Enders Reservoir.

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1993.

DISCHARGE ( CFS ), WATER YEAR 2008

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 Oct      Nov      Dec      Jan      Feb      Mar      Apr      May      Jun      Jul      Aug      Sep  
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NO RELEASES WERE MADE IN 2008 FROM ENDERS RESERVOIR

STINKING WATER CREEK near Palisade, 06835000

LOCATION.--SW1/4NW1/4 Sec. 30-5-33 W., Hayes County, Lat. 40°22'23", Long. 101°07'01", on right bank 25 feet downstream from 96 inch corrugated metal pipe, 1.25 miles upstream from mouth, and 1.75 miles northwest of Palisade.

DRAINAGE AREA.--Approximately 1,500 square miles; approximately 380 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is 2,750.99 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1949 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994. Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 3,030 cubic feet per second on June 17, 1956, gage height 11.30 feet; minimum daily discharge 4.5 cubic feet per second July 31 & August 1, 2006.

EXTREMES FOR CURRENT YEAR.--Peak discharge 284 cubic feet per second June 7, gage height 8.13 feet; minimum daily discharge 7.1 cubic feet per second September 1 - 3.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	11	12	14	13e	21e	16	17	19	21	15	8.1	7.1
2	11	12	14	12e	16	17	18	18	20	15	8.5	7.1
3	10	12	14	11	15	17	18	18	19	14	11	7.1
4	10	13	14	14	15	17	18	19	19	14	8.5	7.2
5	10	13	15	15	16	17	18	19	20	14	8.8	7.8
6	10	12	15	14	15e	17	17	18	126	13	7.8	8.7
7	9.8	12	15	15	15e	17	17	18	216	13	10	9.2
8	10	12	15	15	16e	17	17	17	108	17	34	9.2
9	10	12	16	15	16e	17	17	17	84	22	13	9.1
10	10	12	14e	15	16e	16	19	17	44	16	12	9.5
11	10	12	13e	15	16	17	20	20	35	15	12	10
12	11	12	13e	15	16	17	22	25	28	13	13	9.6
13	11	12	13e	15	16	17	23	24	25	13	11	10
14	11	12	14e	15	16	17	21	20	23	12	16	10
15	11	12	13e	15	16	17	20	18	21	12	25	9.7
16	12	12	12e	15e	16	17	19	17	20	12	12	9.6
17	12	13	14e	14e	16	17	19	17	20	12	11	9.4
18	12	13	14e	13e	16	17	18	16	19	13	10	9.3
19	11	13	15e	13e	16	18	18	15	19	12	10	9.1
20	11	13	14e	13e	16	19	17	14	18	11	10.0	9.0
21	11	13	14e	13e	16	19	17	14	17	11	9.5	8.9
22	11	13	14e	13e	16	18	16	14	17	11	9.2	8.8
23	11	13	13e	13e	16	18	16	15	16	10	8.8	8.7
24	11	13	14e	13e	16	18	16	25	37	10	8.6	8.7
25	11	14	14e	14e	16	17	18	76	41	9.8	8.4	8.7
26	11	14	14e	14e	16	17	21	105	22	9.4	8.2	8.7
27	11	14	14e	15	16	17	24	43	18	9.3	8.2	8.8
28	11	14	13e	16	16	17	22	30	17	9.1	7.9	8.8
29	11	14	13e	24	16	18	20	28	16	9.0	7.7	8.8
30	12	14	12e	25	---	18	20	27	16	9.0	7.6	8.8
31	12	---	14e	23e	---	18	---	24	---	8.5	7.3	---
TOTAL	336.8	382	430	465	465	536	563	767	1122	384.1	343.1	265.4
MEAN	11.0	12.8	13.8	15.0	16.1	17.2	18.8	24.7	37.4	12.3	11.1	8.9
MAX	12	14	16	25	21	19	24	105	216	22	34	10
MIN	9.8	12	12	11	15	16	16	14	16	8.5	7.3	7.1
AC-FT	668	758	853	922	922	1063	1117	1521	2225	762	681	526
CAL YEAR 2007	TOTAL		8142	MEAN	22.3	MAX	351.0	MIN	8.4	AC-FT	16150	
WTR YEAR 2008	TOTAL		6059	MEAN	16.6	MAX	216.0	MIN	7.1	AC-FT	12020	

e indicates estimated discharge.

## REPUBLICAN RIVER BASIN

## CULBERTSON CANAL from Frenchman River, 00035000

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

GAGE.--Continuous stage recorder and Parshall flume

PERIOD OF RECORD.--1920 - present

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

DISCHARGE ( CFS ), WATER YEAR 2008

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
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NO WATER WAS DIVERTED IN 2008.

RIVERSIDE CANAL from Frenchman River, 00127000

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

DISCHARGE ( CFS ), WATER YEAR 2008

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 Oct      Nov      Dec      Jan      Feb      Mar      Apr      May      Jun      Jul      Aug      Sep  
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NO WATER WAS DIVERTED IN 2008.

## REPUBLICAN RIVER BASIN

## RED WILLOW CREEK above Hugh Butler Lake, 6837300

LOCATION.--NEL/4SE1/4 Sec. 13-5-31 W., Hayes County, Lat. 40°24'05", Long. 100°46'45", on the left bank 15 feet upstream from the County road bridge; 7.0 miles upstream from Red Willow Dam; 12 miles northeast of Culbertson and 16 miles north west of McCook.

DRAINAGE AREA.--Approximately 600 square miles; approximately 200 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is 2,588.80 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1960 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994. Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 4,020 cubic feet per second June 16, 1972, gage height 13.27 feet (at different datum); minimum daily discharge 2.5 cubic feet per second August 1 & 4, 2005 and July 20, 2006.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,670 cubic feet per second August 9, gage height 16.23 feet; minimum daily discharge 6.3 cubic feet per second September 4.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7.1	10	12e	11e	13e	17	13	15	21	19	6.7	6.7
2	7.2	10	12e	11e	13e	16	13	12	20	18	6.6	6.6
3	7.6	10	12e	11e	13e	16	13	11	18	18	7.5	6.6
4	7.8	11	14e	11e	13e	16	13	13	19	17	7.8	6.3
5	7.8	12	13e	12e	14e	16	13	13	31	16	7.2	6.6
6	7.5	12	13e	11e	14e	16	13	14	27	15	10	7.6
7	7.3	12	13e	11e	14e	15	13	15	24	15	31	9.1
8	7.7	12	13e	11e	14e	14	13	15	29	16	14	9.7
9	7.8	12	12e	11e	15e	14	13	17	34	15	410	9.7
10	7.8	12	12e	11e	15e	14	14	24	30	14	18	9.2
11	7.8	12	12e	11e	15e	14	15	26	25	13	14	9.9
12	7.9	12	12e	12e	15e	14	17	24	22	12	12	10
13	8.1	12	11e	11e	16e	14	18	28	19	12	13	10
14	11	12	12e	12e	16e	13	18	25	16	11	12	10
15	8.3	12	12e	12e	16e	13	17	23	16	11	11	11
16	9.4	12	12e	12e	16e	13	17	20	15	11	10	10
17	9.7	13	12e	11e	16	13	17	18	15	13	9.7	9.2
18	9.8	13	12e	11e	16	13	16	17	26	11	9.3	8.0
19	9.5	13	13e	11e	16	13	15	15	95	9.9	8.9	7.6
20	9.4	13	12e	11e	16	14	14	14	66	9.7	14	7.4
21	8.7	13	13e	10e	16	14	13	13	29	9.8	12	7.1
22	8.7	13e	13e	10e	15	14	13	13	23	9.5	10.0	7.4
23	8.6	12e	12e	11e	16	14	12	16	19	8.9	9.0	6.8
24	8.6	12e	12e	11e	16	16	13	32	179	8.3	8.7	6.9
25	8.6	12e	12e	12e	16	16	14	30	349	7.9	8.2	7.0
26	8.6	12e	12e	12e	17	15	15	21	48	7.7	8.1	7.0
27	9.3	13e	12e	13e	17	14	19	21	34	7.6	8.0	6.9
28	9.3	13e	11e	14e	16	14	20	21	28	8.6	7.8	7.3
29	9.3	13e	11e	14e	16	14	20	22	24	7.5	7.5	7.9
30	9.9	13e	11e	13e	---	14	17	22	21	7.1	7.3	8.0
31	10	---	11e	13e	---	14	---	23	---	6.8	6.9	---
TOTAL	266.1	363	376	358	441	447	451	593	1322	366.3	726.2	243.5
MEAN	8.6	12.0	12.1	11.5	15.2	14.4	15.0	19.2	44.0	11.8	23.4	8.1
MAX	11	13	14	14	17	17	20	32	349	19	410	11
MIN	7.1	10	11	10	13	13	12	11	15	6.8	6.6	6.3
AC-FT	528	720	746	710	875	887	895	1176	2622	727	1440	483
CAL YEAR 2007	TOTAL		9968	MEAN	27.3	MAX	1520	MIN	3.7	AC-FT	19770	
WTR YEAR 2008	TOTAL		5953	MEAN	16.3	MAX	410.0	MIN	6.3	AC-FT	11810	

e indicates estimated discharge.

# REPUBLICAN RIVER BASIN

**HUGH BUTLER LAKE near McCook, 06837390**

LOCATION.--SW1/4NW1/4 Sec. 31-5-29 W., Frontier County, Lat. 40° 21' 35", 100° 39' 55", in gate control house at outlet tube of Red Willow Dam on Red Willow Creek, 12 miles north of McCook.

DRAINAGE AREA.--730 square miles, of which approximately 310 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--September 1961 - present

REMARKS.--Values from the U.S. Bureau of Reclamation Great Plains Region web page.  
Published by U. S. Geological Survey up to October 1, 1994.

STORAGE ( ACFT ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	25300	24840	24640	24990	25240	25580	25830	26330	28190	29240	26450	26380
2	25300	24780	24690	24990	25240	25590	25830	26360	28220	29140	26360	26330
3	25240	24780	24670	24990	25260	25600	25860	26330	28250	29140	26260	26190
4	25220	24770	24690	25030	25270	25620	25860	26320	28280	28880	26170	26140
5	25220	24760	24690	25030	25300	25620	25860	26290	28350	28780	26170	26100
6	25180	24760	24690	25050	25300	25620	25870	26290	28380	28680	26040	26070
7	25150	24730	24690	25060	25300	25620	25880	26380	28380	28580	26420	26100
8	25100	24730	24720	25060	25340	25620	25880	26380	28380	28480	26510	26100
9	25060	24760	24740	25060	25340	25630	25880	26380	28380	28380	27150	26070
10	25060	24760	24760	25090	25340	25640	25950	26440	28380	28280	27820	26070
11	25030	24760	24820	25090	25340	25640	26100	26490	28450	28180	27800	26070
12	25030	24760	24850	25100	25360	25670	26100	26550	28380	28050	27750	26070
13	25030	24730	24850	25100	25390	25670	26070	26570	28350	27920	27700	26060
14	25050	24760	24850	25120	25430	25670	26070	26570	28320	27820	27660	26040
15	25060	24690	24850	25150	25390	25700	26100	26640	28290	27730	27600	26020
16	25030	24690	24860	25150	25400	25710	26140	26640	28280	27610	27470	26020
17	25030	24730	24880	25150	25420	25740	26140	26660	28250	27500	27400	26020
18	25090	24690	24880	25150	25430	25740	26170	26660	28350	27460	27400	25980
19	24990	24730	24900	25150	25460	25760	26170	26670	28650	27470	27330	25980
20	24970	24710	24900	25150	25430	25760	26180	26640	28650	27380	27240	25980
21	24950	24690	24940	25160	25460	25760	26190	26640	28910	27280	27210	25950
22	24940	24670	24970	25180	25460	25760	26190	26570	28940	27180	27150	25920
23	24900	24670	24940	25180	25470	25780	26170	26670	28880	27080	27080	25920
24	24900	24690	24940	25180	25500	25790	26190	26720	28880	26990	27030	25880
25	24880	24690	24940	25180	25520	25790	26260	27810	29040	26920	26960	25860
26	24880	24690	24970	25190	25520	25830	26260	28120	29470	26790	26860	25830
27	24860	24690	24970	25200	25520	25830	26260	28120	29510	26740	26790	25800
28	24850	24690	24970	25220	25550	25830	26260	28120	29440	26670	26740	25780
29	24850	24670	24970	25220	25550	25830	26260	28120	29370	26670	26640	25760
30	24850	24670	24980	25220	---	25830	26260	28120	29370	26600	26570	25740
31	24850	---	24990	25220	---	25830	---	28150	---	26510	26480	---
MEAN	25030	24720	24840	25120	25400	25710	26070	26880	28630	27740	26970	26010
MAX	25300	24840	24990	25220	25550	25830	26260	28150	29510	29240	27820	26380
MIN	24850	24670	24640	24990	25240	25580	25830	26290	28190	26510	26040	25740
CAL YEAR 2007	MEAN	21780	MAX	27820	MIN	13120						
WTR YEAR 2008	MEAN	26100	MAX	29510	MIN	24640						



## REPUBLICAN RIVER BASIN

## RED WILLOW CREEK near McCook, 06837500

LOCATION.--SW1/4NW1/4 Sec. 6-4-29 W., Red Willow County, Lat. 40° 20' 50", Long. 100° 38' 35", on left bank 45 feet downstream from the bridge on U.S. Highway 83, 3.0 miles downstream from Red Willow Dam, 10 miles north of McCook.

DRAINAGE AREA.--740 square miles, of which approximately 320 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Datum of gage is 2485.97 feet National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1940 - 1947, Annual peaks 1958 - 1960, 1960 - 1993 by U.S.G.S., October 1993 - 1994 by Department of Water Resources, partial year record 1995 - present. See U.S.G.S. publication WSP 1310 for other periods.

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1993.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	3.4	5.6	36	39	33
2	---	---	---	---	---	---	---	3.2	5.6	50	42	33
3	---	---	---	---	---	---	---	3.4	5.7	72	46	33
4	---	---	---	---	---	---	---	3.6	5.8	70	52	33
5	---	---	---	---	---	---	---	3.7	6.1	66	55	11
6	---	---	---	---	---	---	---	3.7	5.5	68	45	6.3
7	---	---	---	---	---	---	---	3.7	5.3	63	39	5.7
8	---	---	---	---	---	---	---	3.4	5.1	56	34	5.8
9	---	---	---	---	---	---	---	3.7	4.9	57	54	5.6
10	---	---	---	---	---	---	---	3.3	4.7	56	39	5.5
11	---	---	---	---	---	---	---	3.7	4.6	56	35	5.3
12	---	---	---	---	---	---	---	3.9	4.6	57	34	5.4
13	---	---	---	---	---	---	---	3.7	4.8	56	35	5.5
14	---	---	---	---	---	---	---	3.7	4.3	57	36	5.4
15	---	---	---	---	---	---	---	3.7	4.4	67	35	5.9
16	---	---	---	---	---	---	---	3.8	6.0	66	34	5.6
17	---	---	---	---	---	---	---	3.9	5.0	64	34	5.1
18	---	---	---	---	---	---	---	3.8	5.7	60	34	5.0
19	---	---	---	---	---	---	---	3.8	5.5	58	34	4.9
20	---	---	---	---	---	---	---	4.0	4.4	56	35	4.8
21	---	---	---	---	---	---	---	3.8	5.2	53	34	4.7
22	---	---	---	---	---	---	---	4.3	18	51	34	4.9
23	---	---	---	---	---	---	4.2	11	39	49	34	4.9
24	---	---	---	---	---	---	4.1	19	41	46	33	5.0
25	---	---	---	---	---	---	4.1	7.7	42	44	33	4.7
26	---	---	---	---	---	---	4.2	5.8	43	42	34	4.9
27	---	---	---	---	---	---	4.2	4.6	35	39	34	4.7
28	---	---	---	---	---	---	4.2	5.4	35	37	33	4.9
29	---	---	---	---	---	---	4.2	5.8	35	35	33	4.7
30	---	---	---	---	---	---	4.1	6.1	35	34	32	5.1
31	---	---	---	---	---	---	---	5.7	---	36	32	---
TOTAL	0	0	0	0	0	0	33.3	152.3	431.8	1657	1157	273.3
MEAN	---	---	---	---	---	---	4.2	4.9	14.4	53.5	37.3	9.1
MAX	---	---	---	---	---	---	4.2	19	43	72	55	33
MIN	---	---	---	---	---	---	4.1	3.2	4.3	34	32	4.7
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	66	302	856	3287	2295	542

REPUBLICAN RIVER BASIN

RED WILLOW CANAL from Red Willow Creek, 00126000

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	0.00	18	32	25
2	---	---	---	---	---	---	---	---	0.00	21	32	21
3	---	---	---	---	---	---	---	---	0.00	37	34	23
4	---	---	---	---	---	---	---	---	0.00	40	35	24
5	---	---	---	---	---	---	---	---	0.00	42	35	8.1
6	---	---	---	---	---	---	---	---	0.00	42	33	0.00
7	---	---	---	---	---	---	---	---	0.00	42	28	0.00
8	---	---	---	---	---	---	---	---	0.00	46	24	0.00
9	---	---	---	---	---	---	---	---	0.00	42	26	0.00
10	---	---	---	---	---	---	---	---	0.00	42	24	0.00
11	---	---	---	---	---	---	---	---	0.00	40	23	0.00
12	---	---	---	---	---	---	---	---	0.00	41	20	0.00
13	---	---	---	---	---	---	---	---	0.00	41	18	0.00
14	---	---	---	---	---	---	---	---	0.00	46	17	0.00
15	---	---	---	---	---	---	---	---	0.00	48	15	0.00
16	---	---	---	---	---	---	---	---	0.00	44	14	0.00
17	---	---	---	---	---	---	---	---	0.00	38	13	0.00
18	---	---	---	---	---	---	---	---	0.00	38	14	0.00
19	---	---	---	---	---	---	---	---	0.00	38	15	0.00
20	---	---	---	---	---	---	---	---	0.00	38	19	0.00
21	---	---	---	---	---	---	---	---	0.00	38	21	0.00
22	---	---	---	---	---	---	---	---	0.00	36	20	0.00
23	---	---	---	---	---	---	---	---	0.00	34	19	0.00
24	---	---	---	---	---	---	---	---	11	36	19	0.00
25	---	---	---	---	---	---	---	---	17	33	22	0.00
26	---	---	---	---	---	---	---	---	18	31	21	0.00
27	---	---	---	---	---	---	---	---	18	31	19	0.00
28	---	---	---	---	---	---	---	---	17	30	22	0.00
29	---	---	---	---	---	---	---	---	17	30	23	0.00
30	---	---	---	---	---	---	---	---	17	30	23	0.00
31	---	---	---	---	---	---	---	---	---	30	23	---
TOTAL	0	0	0	0	0	0	0	0	115	1143	703	101.1
MEAN	---	---	---	---	---	---	---	---	3.9	36.9	22.6	3.3
MAX	---	---	---	---	---	---	---	---	18	48	35	25
MIN	---	---	---	---	---	---	---	---	0.00	18	13	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	228	2267	1394	201
CAL YEAR 2007	MAX	0	MIN	0.000	AC-FT	0						
WTR YEAR 2008	MAX	48.0	MIN	0.000	AC-FT	4090						

## REPUBLICAN RIVER BASIN

**BARTLEY CANAL from Republican River, 00006000**

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

DISCHARGE ( CFS ), WATER YEAR 2008

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Oct    Nov    Dec    Jan    Feb    Mar    Apr    May    Jun    Jul    Aug    Sep  
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NO WATER WAS DIVERTED IN 2008.

# REPUBLICAN RIVER BASIN

**FOX CREEK at Curtis, 06840000**

LOCATION.--SE1/4NW1/4 Sec. 27-8-28 W., Frontier County, Lat. 40°38'00", Long. 100° 29'20", on left bank 15 ft. upstream from bridge on State Highway 23, 0.5 miles upstream from mouth, and 1 mile east of Curtis, NE.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1951 - 1958, 1978 - December 31, 1994, Oct. 1, 2007 - present

REMARKS.--Published by U. S. Geological Survey 1951 - 1958, 1958 - 1991, peak flows published 1960 - 1970. Records are good, except estimated records are poor.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 2,220 cubic feet per second May 23, gage height 18.95 feet; minimum daily discharge 4.0 cubic feet per second August 3.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.0	5.4	7.0	6.5	5.3	7.0	9.8	9.2	12	8.1	4.1	4.5
2	5.7	5.4	7.1	6.3	5.3	7.1	9.8	9.1	12	7.9	4.1	4.5
3	5.6	5.5	7.0	6.6	5.3	7.0	10	9.1	11	7.6	4.0	4.6
4	5.5	5.6	6.9	6.6	5.3	7.1	10	8.8	12	7.6	4.3	4.6
5	5.8	5.7	7.0	6.6	5.3	7.2	10	8.5	29	7.5	6.3	4.9
6	5.8	5.7	7.0	6.6	5.1	7.2	9.9	8.4	11	7.3	4.9	5.2
7	5.6	5.8	6.9	6.6	5.3	7.3	9.9	8.4	10	7.3	4.8	5.2
8	5.7	6.0	6.9	6.4	5.3	7.5	9.9	8.1	9.5	8.0	4.6	5.1
9	5.7	6.0	6.9	6.3	5.4	7.6	10.0	7.9	9.1	7.0	4.7	5.2
10	5.7	6.1	6.8e	6.3	5.3	7.6	10	13	8.9	6.9	4.8	5.3
11	5.8	6.2	6.8e	6.2	5.4	7.7	11	8.9	8.8	6.8	4.8	5.3
12	5.7	6.0	6.8e	6.2	5.5	7.9	10	7.6	8.8	6.5	4.9	5.4
13	5.8	6.1	6.8e	6.0	5.6	7.9	10	7.2	8.7	6.6	13	5.4
14	6.0	6.0	6.8e	6.0	5.8	8.1	9.8	7.0	8.7	6.5	6.5	5.3
15	6.0	6.0	6.8e	6.0	5.7	8.1	9.9	6.8	9.0	6.5	4.9	5.3
16	5.8	6.7	6.8	5.9	5.7	8.1	9.8	6.6	9.0	6.3	4.8	5.2
17	5.7	6.3	6.8	5.7	5.9	8.3	9.8	6.5	9.4	6.1	4.8	5.3
18	5.8	6.3	6.8	5.8	6.0	8.5	9.8	6.3	39	14	4.9	5.3
19	5.7	6.4	6.9	5.7	6.1	8.6	9.7	6.1	15	8.3	4.7	5.3
20	5.6	6.5	6.9	5.7	6.2	8.6	9.6	6.0	13	6.3	4.6	5.2
21	5.5	6.5	6.9	5.6	6.2	8.7	9.4	5.8	11	5.2	4.6	5.2
22	5.5	6.6	6.7	5.4	6.3	8.7	9.3	15	10	4.7	4.5	5.2
23	5.4	6.7	6.7	5.6	6.3	8.8	9.4	751	9.8	4.7	4.4	5.2
24	5.4	6.8	6.7	5.4	6.5	8.9	9.7	377	269	4.6	4.5	5.1
25	5.4	6.9	6.8	5.6	6.6	9.0	11	23	18	4.9	4.7	5.0
26	5.4	7.0	6.8	5.6	6.5	9.1	9.7	17	10	5.1	4.5	5.1
27	5.3	7.0	6.6	5.6	6.6	9.2	9.4	26	9.7	5.1	4.5	5.1
28	5.2	7.0	6.6	5.6	6.8	9.3	9.3	16	8.8	4.5	4.5	5.1
29	5.3	7.0	6.6	5.5	6.9	9.4	9.2	14	8.4	4.8	4.4	5.3
30	5.4	6.9	6.6	5.4	---	9.6	9.3	13	8.2	5.1	4.5	5.5
31	5.3	---	6.7	5.2	---	9.7	---	13	---	4.2	4.5	---
TOTAL	174.1	188.1	211.4	184.5	169.5	254.8	294.4	1430.3	616.8	202	154.1	153.9
MEAN	5.6	6.3	6.8	5.9	5.8	8.2	9.8	46.2	20.6	6.5	5.0	5.1
MAX	6.0	7.0	7.1	6.6	6.9	9.7	11	751	269	14	13	5.5
MIN	5.2	5.4	6.6	5.2	5.1	7.0	9.2	5.8	8.2	4.2	4.0	4.5
AC-FT	345	373	419	366	336	505	584	2837	1223	401	306	305
CAL YEAR 2007	TOTAL		634	MEAN	6.1	MAX	7.1	MIN	4.3	AC-FT	1258	
WTR YEAR 2008	TOTAL		4034	MEAN	11.0	MAX	751.0	MIN	4.0	AC-FT	8001	

e indicates estimated discharge.

# REPUBLICAN RIVER BASIN

## MEDICINE CREEK above Harry Strunk Lake, 06841000

LOCATION.--SW1/4 Sec. 7-6-26 W., Frontier County, Lat. 40°30'10", Long. 100°19'20", on right bank 3.75 miles southeast of Stockville and 13.5 miles upstream from Medicine Creek Dam.

DRAINAGE AREA.--770 square miles, of which approximately 530 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Datum of gage is 2,380.94 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1950 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994. Records are good, except discharges above 125 cubic feet per second are fair and estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 16,900 cubic feet per second May 30, 2007, gage height 20.84 feet; minimum daily discharge 7.1 cubic feet per second August 8, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharge 15,400 cubic feet per second May 24, gage height 20.45 feet; minimum daily discharge 35 cubic feet per second September 1, 3 - 4.

### DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	37	39	45	49e	48e	54	50	56	153	76	41	35
2	37	39	44e	46e	49e	55	49	55	138	72	40	36
3	37	39	44e	43e	49e	55	50	54	129	68	39	35
4	37	39	44	41e	49	55	51	54	117	66	38	35
5	37	40	44	45e	49e	54	52	54	533	64	39	36
6	37	40	45	46e	47e	53	52	52	205	62	45	38
7	37	40	46	46e	48e	52	52	67	129	61	47	41
8	36	40	46e	47e	48e	52	52	66	93	176	45	42
9	38	41	46e	48e	50	51	52	53	75	84	45	42
10	37	41	47e	49e	50e	51	56	137	66	68	45	43
11	37	41	46e	51	49e	51	58	160	61	64	45	42
12	37	41	45e	50	49	52	63	98	59	60	48	42
13	38	42	46e	50	50	53	64	68	57	56	48	43
14	39	42	46e	50	51	53	61	55	55	54	58	42
15	40	41	46e	50	50	53	58	48	54	54	47	41
16	42	42	48e	50e	50	53	56	44	54	53	43	40
17	43	43	50e	47e	51	54	55	42	54	71	45	39
18	43	43	53e	49e	51	53	54	39	129	94	43	38
19	42	43	57e	48e	51	53	54	38	261	107	42	37
20	41	43	59e	47e	51	56	54	36	179	82	42	37
21	40	43	59e	46e	51	56	54	34	121	60	42	37
22	39	43	58e	44e	51	55	53	58	127	52	42	37
23	39	43	56e	48e	51	54	52	1890	75	48	40	36
24	39	43	58e	46e	51	53	53	6420	311	46	40	36
25	39	43	57e	48e	52	52	62	843	901	46	39	36
26	39	44	54e	50e	52	51	77	441	375	46	41	36
27	39	44	52e	50e	53	51	68	315	244	44	38	36
28	39	44	50e	50e	52	51	63	289	148	43	37	36
29	39	44	50e	50e	53	51	60	270	100	41	37	36
30	39	44	48e	50e	---	50	58	221	79	42	37	36
31	39	---	47e	49e	---	50	---	173	---	42	36	---
TOTAL	1202	1254	1536	1483	1456	1637	1693	12230	5082	2002	1314	1146
MEAN	38.8	41.8	49.6	47.7	50.3	52.8	56.4	394.6	169.5	64.6	42.3	38.2
MAX	43	44	59	51	53	56	77	6420	901	176	58	43
MIN	36	39	44	41	47	50	49	34	54	41	36	35
AC-FT	2384	2487	3047	2941	2888	3247	3358	24260	10080	3971	2606	2273
CAL YEAR 2007	TOTAL		35621	MEAN	97.6	MAX	6690	MIN	24.0	AC-FT	70650	
WTR YEAR 2008	TOTAL		32035	MEAN	87.5	MAX	6420	MIN	34.0	AC-FT	63540	

e indicates estimated discharge.

# REPUBLICAN RIVER BASIN

**HARRY STRUNK LAKE near Cambridge, 06842000**

LOCATION.--NEL/4 Sec. 25-5-26 W., Frontier County, Lat. 40° 22' 40", Long. 100° 13' 00", in control house at outlet tube of Medicine Creek Dam, 7 miles northeast of Cambridge.

DRAINAGE AREA.--880 square miles, of which approximately 640 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--August 1949 - present

REMARKS.--Values from the U.S. Bureau of Reclamation Great Plains Region web page.  
Published by U. S. Geological Survey up to October 1, 1994.

STORAGE ( ACFT ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	31650	33530	33950	34150	34150	34120	33810	34940	45750	40000	34700	32160
2	31720	33600	34080	34140	34170	34100	33760	34940	45050	39770	34450	32010
3	31740	33670	34030	34140	34190	34100	33740	35040	44450	39770	34170	31770
4	31770	33740	34060	34140	34210	34040	33810	35130	43950	39280	33900	31600
5	31860	33810	34060	34140	34260	34140	33790	35220	43490	39100	33650	31500
6	31890	33790	34060	34150	34280	34030	33770	35260	43710	38940	33310	31500
7	31940	33740	34060	34170	34260	34010	33760	35430	43810	38780	33030	31520
8	31960	33770	34060	34190	34300	33970	33810	35430	42950	38680	32770	31550
9	31990	33770	34060	34190	34300	33940	33790	35650	42430	38660	32660	31600
10	32060	33770	34060	34210	34320	33900	33860	35940	41980	38440	32540	31670
11	32110	33790	34150	34230	34340	33900	34080	36220	41600	38260	32560	31750
12	32180	33830	34150	34230	34340	33880	34060	36530	41160	38080	32730	31840
13	32260	33810	34150	34240	34350	33860	34040	36680	40780	37910	32890	31890
14	32350	33850	34140	34240	34390	33830	34030	36660	40490	37730	32990	31940
15	32440	33810	34140	34260	34370	33830	34030	36700	40200	37570	33080	32010
16	32440	33830	34140	34210	34340	33850	34040	36700	39920	37360	33190	32090
17	32520	33830	34140	34260	34320	33850	34040	36680	39650	37160	33260	32160
18	32770	33850	34150	34260	34300	33900	34100	36680	39430	37120	33220	32200
19	32730	33880	34150	34240	34280	33860	34100	36660	39590	37080	33130	32260
20	32800	33890	34170	34230	34260	33860	34080	36640	39810	36990	32980	32260
21	32870	33900	34210	34210	34230	33900	34060	36620	39810	36890	32800	32330
22	32920	33880	34210	34190	34230	33880	34060	36580	39730	36640	32630	32390
23	32920	33880	34170	34150	34230	33860	34010	37630	39610	36350	32520	32440
24	33010	33900	34170	34150	34210	33850	34060	44080	39410	36050	32490	32470
25	33080	33920	34170	34150	34190	33850	34300	51160	39510	35760	32440	32520
26	33130	33950	34170	34150	34190	33850	34430	50820	40370	35600	32520	32540
27	33190	33940	34210	34170	34140	33830	34540	49860	40780	35520	32540	32590
28	33240	34040	34190	34170	34120	33830	34590	48840	40740	35450	32560	32640
29	33310	33970	34190	34210	34120	33830	34670	47950	40510	35310	32520	32680
30	33380	33990	34170	34210	---	33810	34780	47300	40260	35170	32440	32700
31	33470	---	34150	34190	---	33810	---	46500	---	34940	32370	---
MEAN	32510	33830	34130	34190	34250	33910	34070	39240	41360	37430	33000	32090
MAX	33470	34040	34210	34260	34390	34140	34780	51160	45750	40000	34700	32700
MIN	31650	33530	33950	34140	34120	33810	33740	34940	39410	34940	32370	31500
CAL YEAR 2007	MEAN	32770	MAX	47280	MIN	22940						
WTR YEAR 2008	MEAN	35000	MAX	51160	MIN	31500						

## REPUBLICAN RIVER BASIN

## MEDICINE CREEK below Harry Strunk Lake, 06842500

LOCATION.--Center of Sec. 25-5-26 W., Frontier County, Latitude 40° 22' 20", Longitude 100° 13' 20",  
On left bank 0.5 mile downstream from Medicine Creek Dam and 6.5 miles northwest of Cambridge.

DRAINAGE AREA.--880 square miles, of which 640 square miles contributes directly to surface runoff.  
This drainage controlled by Medicine Creek Dam 1/2 mile upstream.

GAGE.--Continuous stage recorder. Datum of gage is 2295.26 feet National Geodetic Vertical Datum of  
1929 (U.S.B.R. benchmark).

PERIOD OF RECORD.--1949 - present (Monthly discharge only for some periods, published in WSP 1730).

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994. Records above 10 cubic feet per  
second are good, records between 5 and 10 cubic feet per second are fair, records below 5 cubic  
feet per second are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 1,300 cubic feet per second March 23, 1960, gage height  
5.97 ft. No flow September 11, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,080 cubic feet per second May 25, gage height 5.65 feet;  
minimum daily discharge 0.25 cubic feet per second September 21.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.94	0.72	34	52	46	58	52	1.2	527	180	158	123
2	0.57	0.64	33	52	46	58	52	4.1	484	167	152	128
3	0.34	0.60	33	52	46	58	53	5.8	448	153	157	111
4	0.41	0.62	42	52	45	58	52	5.4	412	142	190	99
5	0.53	9.0	46	52	45	58	53	5.9	393	134	204	31
6	0.39	39	47	52	45	58	54	6.6	398	148	196	30
7	0.36	38	47	51	45	58	54	9.6	375	149	183	28
8	0.31	34	47	51	45	59	54	11	350	149	151	10
9	0.30	32	47	51	45	59	53	14	319	148	108	1.3
10	0.32	32	47	51	45	59	54	24	291	142	58	1.4
11	0.30	32	47	49	46	59	53	32	269	133	18	1.7
12	0.33	32	48	48	47	59	53	39	246	127	4.2	1.4
13	0.37	32	48	48	46	59	53	43	226	124	3.3	1.6
14	0.46	32	48	48	45	57	53	43	208	132	3.0	0.92
15	0.48	33	48	48	54	52	53	44	193	134	2.8	0.95
16	0.46	33	48	47	58	53	52	44	181	132	4.1	1.4
17	0.52	33	49	47	58	53	53	45	169	140	28	1.4
18	0.58	33	49	47	58	52	52	44	163	127	85	1.4
19	0.52	33	49	47	58	52	52	45	173	114	91	1.0
20	0.50	33	49	48	58	52	52	44	179	122	113	0.31
21	0.49	33	49	48	58	52	52	44	176	169	128	0.25
22	0.45	33	50	48	58	52	52	47	171	184	93	0.30
23	0.47	33	50	48	58	52	20	122	160	194	72	0.42
24	0.57	33	50	48	58	52	1.6	637	154	199	62	0.75
25	0.60	33	50	47	58	52	1.4	1060	171	143	44	0.77
26	0.64	33	50	47	58	53	1.3	1000	213	92	38	0.63
27	0.88	33	51	47	58	53	1.4	896	227	85	34	0.63
28	1.1	33	51	47	58	53	1.5	797	222	98	34	0.81
29	1.3	33	51	46	58	53	1.2	722	208	121	51	0.70
30	0.93	33	51	46	---	53	0.99	656	193	127	63	0.42
31	0.92	---	52	46	---	53	---	578	---	159	77	---
TOTAL	17.34	842.58	1461	1511	1503	1709	1190.39	7069.6	7899	4368	2605.4	580.46
MEAN	0.56	28.3	47.2	48.7	51.8	55.2	39.7	228.3	263.2	141.0	84.1	19.4
MAX	1.3	39	52	52	58	59	54	1060	527	199	204	128
MIN	0.30	0.60	33	46	45	52	0.99	1.2	154	85	2.8	0.25
AC-FT	34	1671	2898	2997	2981	3390	2361	14020	15670	8664	5168	1151
CAL YEAR 2007	TOTAL		25381	MEAN	69.5	MAX	777.0	MIN	0.14	AC-FT	50340	
WTR YEAR 2008	TOTAL		30757	MEAN	84.0	MAX	1060	MIN	0.25	AC-FT	61010	

# REPUBLICAN RIVER BASIN

**CAMBRIDGE CANAL from Republican River, 00020000**

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	0.00	145	152	125
2	---	---	---	---	---	---	---	---	0.00	171	147	143
3	---	---	---	---	---	---	---	---	0.00	171	146	140
4	---	---	---	---	---	---	---	---	0.00	164	170	133
5	---	---	---	---	---	---	---	---	0.00	161	190	48
6	---	---	---	---	---	---	---	---	0.00	161	186	6.4
7	---	---	---	---	---	---	---	---	0.00	173	173	6.1
8	---	---	---	---	---	---	---	---	0.00	185	141	6.0
9	---	---	---	---	---	---	---	---	0.00	179	97	6.0
10	---	---	---	---	---	---	---	---	0.00	177	80	6.0
11	---	---	---	---	---	---	---	---	0.00	167	73	6.0
12	---	---	---	---	---	---	---	---	0.00	161	68	6.0
13	---	---	---	---	---	---	---	---	0.00	160	64	6.0
14	---	---	---	---	---	---	---	---	0.00	163	60	5.6
15	---	---	---	---	---	---	---	---	0.00	163	60	5.6
16	---	---	---	---	---	---	---	---	0.00	164	60	5.4
17	---	---	---	---	---	---	---	---	0.00	164	60	5.3
18	---	---	---	---	---	---	---	---	0.00	146	130	5.3
19	---	---	---	---	---	---	---	---	7.3	134	155	5.3
20	---	---	---	---	---	---	---	---	54	133	175	5.3
21	---	---	---	---	---	---	---	---	32	157	183	0.00
22	---	---	---	---	---	---	---	---	32	182	143	0.00
23	---	---	---	---	---	---	---	---	63	196	124	0.00
24	---	---	---	---	---	---	---	---	89	203	106	0.00
25	---	---	---	---	---	---	---	---	75	120	98	0.00
26	---	---	---	---	---	---	---	---	75	75	83	0.00
27	---	---	---	---	---	---	---	---	79	76	74	0.00
28	---	---	---	---	---	---	---	---	95	86	89	0.00
29	---	---	---	---	---	---	---	---	88	123	92	0.00
30	---	---	---	---	---	---	---	---	95	128	100	0.00
31	---	---	---	---	---	---	---	---	---	148	100	---
TOTAL	0	0	0	0	0	0	0	0	784.3	4736	3579	675.3
MEAN	---	---	---	---	---	---	---	---	26.1	152.8	115.4	22.5
MAX	---	---	---	---	---	---	---	---	95	203	190	143
MIN	---	---	---	---	---	---	---	---	0.00	75	60	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1556	9394	7099	1339
CAL YEAR 2007	MAX	0	MIN	0.000	AC-FT	0						
WTR YEAR 2008	MAX	203.0	MIN	0.000	AC-FT	19390						



## REPUBLICAN RIVER BASIN

## MUDDY CREEK at Furnas - Gosper County Line, 224600

LOCATION.--NW1/4NE1/4 Sec. 6-4-23 W., Furnas County, Latitude 40° 21' 04", Longitude 99° 57' 19", on the right bank, 10 feet upstream from the bridge on County Road 726, 2.2 miles west and 3.0 miles north of Arapahoe.

DRAINAGE AREA.--240 Square miles.

GAGE.--Continuous stage recorder. Gage datum is 2,190.5 feet above sea level.

PERIOD OF RECORD.--September 9, 2005 - present.

REMARKS.--Gage operation began September 9, 2005 under agreement with the Tri-Basin Natural Resources District. Records are fair, except estimated records are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharge 5,520 cubic feet per second May 24, gage height 28.19 feet; minimum daily discharge 2.5 cubic feet per second September 30.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.5	4.2	3.9e	4.0e	4.8e	6.0	5.2	5.1	42	5.3	5.2	3.4
2	3.4	4.2	3.9e	4.0e	5.0e	6.1	5.2	5.2	25	5.2	5.2	3.3
3	3.3	4.2	4.3e	3.9e	5.3e	5.9	5.4	5.2	19	5.1	5.2	3.3
4	3.4	4.2	4.3e	4.9e	5.4e	5.7	5.5	5.1	20	5.0	5.2	3.3
5	3.4	4.3	3.8e	5.3e	5.1e	5.7	5.4	5.1	219	5.0	5.4	3.3
6	3.4	4.2	3.8e	5.2e	4.9e	5.5	5.2	5.1	132	5.0	9.4	3.5
7	3.5	4.2	3.9e	5.2e	5.5e	5.6	5.1	5.8	28	5.3	7.0	3.5
8	3.4	4.2	3.8e	5.2e	5.7e	5.5e	5.2	5.4	17	5.9	7.0	3.5
9	3.5	4.2	3.7e	5.1e	6.0e	5.5	5.1	5.1	15	8.4	6.0	3.5
10	3.5	4.3	3.8e	5.0e	6.1e	5.5	6.0	8.8	13	10	6.0	3.5
11	3.5	4.2	3.9e	5.0e	5.5e	5.5	6.6	75	12	6.4	5.8	3.5
12	3.6	4.2	4.0e	5.1e	5.7e	5.5	6.0	20	11	5.6	5.8	3.5
13	3.6	4.2	3.9e	5.0e	5.9e	5.6	5.5	9.2	10	5.0	5.9	3.5
14	4.4	4.2	4.0e	5.0e	5.4e	5.7	5.3	6.8	9.9	4.6	7.3	3.4
15	4.0	4.2	4.0e	5.0e	5.8e	5.6	5.2	6.1	9.4	4.3	6.5	3.2
16	3.8	4.1	3.7e	4.5e	5.9e	5.6	5.1	5.6	9.2	4.2	5.7	3.3
17	4.5	4.2	4.1e	4.1e	6.1e	5.8	5.3	5.3	9.0	4.4	5.5	3.2
18	4.9	4.2	4.0e	4.0e	5.5e	5.8	5.4	5.1	8.7	86	4.9	3.2
19	4.1	4.2	4.4e	3.9e	5.3e	5.7	5.2	4.9	8.7	54	4.7	3.1
20	5.8	4.1	4.2e	4.0e	6.2e	5.7	5.1	4.8	8.5	14	4.5	3.1
21	4.7	4.0	4.4e	3.8e	5.1e	5.6	4.9	4.6	8.4	9.0	4.4	3.0
22	4.2	3.9	4.1e	3.8e	5.2e	5.5	4.8	11	7.7	6.7	4.2	2.9
23	4.0	4.0	3.8e	3.9e	5.4e	5.4	4.8	1060	7.1	5.7	4.1	3.4
24	4.0	4.2	4.1e	4.1e	5.2e	5.4	5.0	4060	6.8	5.1	4.2	3.1
25	4.0	4.4e	4.1e	4.2e	5.6e	5.4	5.2	465	6.4	7.0	4.3	3.0
26	4.0	4.4e	3.9e	4.8e	5.6e	5.3	5.3	183	6.4	5.2	6.1	2.9
27	4.0	4.8e	3.7e	4.8e	5.6e	5.3	5.2	97	11	5.2	4.8	2.8
28	4.0	4.1e	3.6e	4.9e	5.7	5.3	5.1	70	7.2	5.0	4.0	2.7
29	4.1	4.3e	3.7e	5.0e	5.9	5.2	5.1	55	5.6	5.1	3.8	2.6
30	4.2	5.1e	3.8e	4.9e	---	5.2	5.1	350	5.3	5.3	3.6	2.5
31	4.1	---	4.0e	4.6e	---	5.3	---	114	---	5.1	3.6	---
TOTAL	121.8	127.2	122.6	142.2	160.4	172.4	158.5	6668.3	698.3	313.1	165.3	96
MEAN	3.9	4.2	4.0	4.6	5.5	5.6	5.3	215.0	23.3	10.1	5.3	3.2
MAX	5.8	5.1	4.4	5.3	6.2	6.1	6.6	4060	219	86	9.4	3.5
MIN	3.3	3.9	3.6	3.8	4.8	5.2	4.8	4.6	5.3	4.2	3.6	2.5
AC-FT	242	252	243	282	318	342	314	13230	1385	621	328	190
CAL YEAR 2007	TOTAL		7627	MEAN	20.9	MAX	940.0	MIN	1.4	AC-FT	15130	
WTR YEAR 2008	TOTAL		8946	MEAN	24.4	MAX	4060	MIN	2.5	AC-FT	17740	

e indicates estimated discharge.

# REPUBLICAN RIVER BASIN

**MUDDY CREEK at Arapahoe, 06844000**

LOCATION.--NW1/4NW1/4 Sec. 22-4-23 W., Furnas County, Latitude 40° 18' 20", Longitude 99° 54' 40", on the left bank, 10 feet upstream from the bridge on U.S. Highways 6 and 34, 0.2 miles west of Arapahoe.

DRAINAGE AREA.--246 square miles.

GAGE.--Continuous stage recorder. Gage datum is 2,143.92 feet above sea level.

PERIOD OF RECORD.--1950 - 1972, 1977 - 1994, January 1, 1998 - present.

REMARKS.--Published by U. S. Geological Survey up to October 1, 1993. Nebraska Department of Water Resources also operated and published from October 1, 1993 to December 31, 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 10,800 cfs May 8, 1986, gage height 28.90 feet (also max. gage height for period); minimum daily discharge zero on Aug. 26, 1953.

EXTREMES FOR CURRENT YEAR.--Peak discharge 4,940 cubic feet per second May 24, gage height 15.16 feet; minimum daily discharge 1.8 cubic feet per second estimated December 29.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.5	3.5	5.2e	2.6e	7.6e	7.6	7.4	6.5	71	8.3	5.8	5.4
2	4.1	4.0	3.5e	3.4e	7.8e	8.2	6.8	6.7	31	11	5.6	5.5
3	3.9	3.9	3.1e	3.8e	7.9e	7.7	7.2	6.8	18	8.6	5.4	5.5
4	3.5	3.8	3.7e	4.7e	7.9e	7.4	7.3	6.6	20	7.5	5.1	5.7
5	3.6	3.9	4.8e	5.1e	7.9e	6.7	7.2	6.6	75	7.3	5.4	6.0
6	3.4	4.3	3.4e	5.4e	7.4e	6.5	7.0	6.6	349	7.3	5.7	5.3
7	3.3	5.3	2.6e	5.6e	8.5e	7.1	6.8	7.3	68	7.4	11	5.2
8	3.5	7.2	2.7e	5.8e	8.5e	7.9	7.1	7.3	25	8.3	7.4	5.3
9	3.4	9.5	2.4e	5.5e	8.9e	7.4	7.0	6.8	15	8.0	9.5	5.2
10	3.3	9.4	2.1e	4.7e	9.5e	7.1	8.3	8.9	12	15	6.8	5.2
11	3.1	12	2.5e	4.6e	9.3e	7.1	10.0	69	10	11	6.4	5.2
12	3.1	12	2.0e	5.3e	10e	7.2	8.9	42	9.2	8.5	6.3	5.4
13	3.2	14	2.3e	4.9e	11e	7.3	7.9	14	8.4	7.9	6.7	5.2
14	4.4	15	2.9e	4.8e	12e	7.5	7.1	9.4	8.1	7.4	8.4	5.0
15	4.2	18	2.6e	5.1e	11e	7.3	7.0	7.7	7.8	7.0	8.5	4.8
16	3.5	18	2.3e	3.9e	11e	7.1	6.8	7.2	8.0	6.7	7.2	4.6
17	3.7	9.7e	2.7e	2.9e	11e	7.7	7.3	6.8	8.2	6.6	9.6	4.5
18	5.8	6.6e	3.2e	4.0e	11e	7.7	7.5	6.4	8.2	16	10	4.5
19	3.4	6.9e	2.6e	4.5e	9.8e	7.4	7.2	6.3	8.3	176	6.2	4.4
20	4.2	7.8e	3.4e	4.0e	10e	7.3	6.9	6.5	14	34	5.8	4.3
21	4.2	6.6e	3.1e	3.5e	8.8e	7.3	6.9	6.2	30	14	5.6	4.2
22	3.4	3.7e	3.6e	2.2e	7.8e	7.0	6.6	6.6	34	10.0	5.5	4.2
23	3.0	4.5e	3.0e	3.0e	8.3e	6.8	6.6	454	19	8.1	5.6	4.6
24	2.8	4.6e	3.1e	4.2e	7.5e	6.7	6.7	3830	7.4	7.3	6.0	4.8
25	2.8	4.9e	3.1e	4.3e	8.5	6.8	6.9	645	7.3	13	6.0	4.3
26	2.7	5.7e	2.4e	5.3e	9.1	6.7	7.2	177	7.2	7.3	8.5	4.2
27	2.6	5.8e	2.0e	5.9e	8.6	6.9	7.0	86	10	7.0	9.4	4.0
28	2.7	6.3e	1.9e	7.7e	7.5	7.2	6.8	56	12	6.4	7.5	4.1
29	2.7	6.1e	1.8e	8.3e	7.6	7.0	6.6	41	8.1	6.4	5.8	4.0
30	2.8	6.7e	2.0e	7.5e	---	7.1	6.5	254	7.6	6.7	5.6	4.1
31	2.9	---	2.2e	6.2e	---	7.3	---	239	---	6.0	5.5	---
TOTAL	107.7	229.7	88.2	148.7	261.7	224	216.5	6040.2	916.8	462	213.8	144.7
MEAN	3.5	7.6	2.8	4.8	9.0	7.2	7.2	194.7	30.7	14.9	6.9	4.8
MAX	5.8	18	5.2	8.3	12	8.2	10.0	3830	349	176	11	6.0
MIN	2.6	3.5	1.8	2.2	7.4	6.5	6.5	6.2	7.2	6.0	5.1	4.0
AC-FT	214	456	175	295	519	444	429	11980	1818	916	424	287
CAL YEAR 2007	TOTAL		8124	MEAN	22.3	MAX	1030	MIN	1.5	AC-FT	16110	
WTR YEAR 2008	TOTAL		9054	MEAN	24.7	MAX	3830	MIN	1.8	AC-FT	17960	

e indicates estimated discharge.

## REPUBLICAN RIVER BASIN

## TURKEY CREEK at Furnas - Gosper County Line, 231700

LOCATION.--NE1/4NE1/4 Sec. 2-4-22 W., Furnas County, Lat. 40° 21' 04", Long. 99° 45' 47", on right bank 10 feet downstream from bridge on County Road 726, 5 miles north and 1 mile east of Edison, Nebraska.

DRAINAGE AREA.--67.0 square miles.

GAGE.--Continuous stage recorder. Gage elevation is 2,163.3 feet above sea level.

PERIOD OF RECORD.--September 13, 2005 - present

REMARKS.--Gage established September 13, 2005 under agreement with the Tri-Basin Natural Resources District. Records are good, except estimated records are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,470 cubic feet per second May 23, gage height 18.34 feet; minimum daily discharge 7.6 cubic feet per second August 3.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13	14	15e	15e	15e	18	18	17	35	17	8.6	9.9
2	12	14	15e	15e	16e	18	18	17	29	17	7.9	11
3	12	14	15	16e	17	17	18	17	44	16	7.6	9.4
4	12	15	15	17e	17	17	19	16	25	15	7.7	9.6
5	12	15	16	19e	16	18	18	16	22	15	8.2	8.8
6	12	14	15	17e	16e	17	18	17	23	15	9.0	8.7
7	12	14	16	15	16e	17	18	18	22	15	10.0	8.8
8	12	14	16e	15	16e	17	19	17	21	44	9.7	9.0
9	12	14	16e	15	17e	18	18	17	21	18	24	9.3
10	12	14	15e	15	16e	17	20	56	19	15	8.8	9.4
11	12	14	15e	15	16e	17	26	45	19	16	8.3	9.6
12	13	14	14e	15	16e	18	20	23	18	14	47	10
13	13	14	14e	15	17e	18	18	19	17	14	28	10
14	16	14	15e	15	17e	18	18	18	17	14	56	11
15	16	14	14e	15e	16e	18	18	17	17	14	12	10
16	13	14	14e	15e	17e	18	18	18	18	21	8.9	9.9
17	13	15	15e	14e	18e	18	18	17	19	14	8.6	9.8
18	14	15	15e	14e	18e	19	19	16	19	38	8.7	9.7
19	14	15	15e	14e	18e	18	18	16	19	33	8.8	9.8
20	13	15	16	14e	18e	18	18	16	20	14	9.5	10
21	13	15	15	14e	17	19	18	15	79	12	9.0	10
22	13	14	15e	13e	17	18	17	18	24	12	9.6	11
23	13	15	14e	14e	17	18	17	365	19	13	8.9	10
24	13	15	15e	14e	18	18	17	972	17	14	118	9.9
25	13	15	16	16e	18	19	18	230	16	15	22	10.0
26	14	15	15e	16e	17	18	17	141	16	12	11	10.0
27	14	15	14e	17e	17	19	17	100	23	11	10	9.9
28	14	15	14e	18e	18	19	17	77	17	11	9.0	10
29	14	15	14e	18	18	18	17	62	16	9.7	9.5	9.9
30	14	15	14e	17	---	19	17	53	16	10	9.5	10.0
31	14	---	15e	16e	---	18	---	39	---	9.1	10	---
TOTAL	407	435	462	478	490	557	547	2485	687	507.8	523.8	294.4
MEAN	13.3	14.5	14.9	15.3	16.9	18.0	18.2	80.2	22.9	16.4	16.9	9.8
MAX	16	15	16	19	18	19	26	972	79	44	118	11
MIN	12	14	14	13	15	17	17	15	16	9.1	7.6	8.7
AC-FT	807	863	916	948	972	1105	1085	4929	1363	1007	1039	584
CAL YEAR 2007 TOTAL			7486	MEAN	20.5	MAX	278.0	MIN	6.9	AC-FT	14850	
WTR YEAR 2008 TOTAL			7874	MEAN	21.5	MAX	972.0	MIN	7.6	AC-FT	15620	

e indicates estimated discharge.

# REPUBLICAN RIVER BASIN

**TURKEY CREEK at Edison, 06844210**

LOCATION.--NE1/4SW1/4 Sec. 31-4-21 W., Furnas County, Lat. 40° 16' 15", Long. 99° 44' 00", on left bank 10 feet downstream from bridge on U.S. Highway 136, 2 miles east of Edison and 2.7 miles upstream from mouth.

DRAINAGE AREA.--74.9 square miles.

GAGE.--Continuous stage recorder. Gage elevation is 2,090 feet above sea level, from topographic map.

PERIOD OF RECORD.--1977 - present

REMARKS.--Published by U.S. Geological Survey up to Oct. 1, 1993. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 1,510 cubic feet per second June 16, 1996, gage height 16.62 feet; maximum gage height 17.42 feet May 24, 2008; minimum daily discharge 0.01 cubic feet per second September 6, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,110 cubic feet per second May 24, gage height 17.42 feet; minimum daily discharge 4.5 cubic feet per estimated December 12 & 13.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13	12	11e	9.8e	8.4e	16	18	18	26	16	10	12
2	11	13	12e	9.1e	9.3e	16	17	18	27	17	10	19
3	11	14	12e	6.6e	11e	16	18	19	34	16	9.8	11
4	11	14	11	8.0e	10e	15	18	19	29	15	9.8	11
5	11	14	12	9.3e	8.9e	16	18	18	28	15	9.6	11
6	11	14	11	9.2e	5.5e	16	18	18	27	15	10	11
7	10	13	11	8.5e	8.2e	16	18	19	25	14	11	11
8	10	13	11	10e	9.8e	16e	18	20	24	20	12	11
9	10	13	10e	8.8e	12e	16	18	19	23	20	14	11
10	9.9	13	5.0e	8.5e	13e	16	20	23	21	15	14	11
11	9.7	14	4.9e	9.5e	7.8e	16	24	63	21	14	10	11
12	9.7	13	4.5e	10e	10e	16	22	31	21	13	10.0	11
13	10	12	4.5e	11e	11e	17	20	25	20	12	29	12
14	12	12	5.6e	10e	15e	17	19	23	20	12	31	11
15	16	13	5.0e	11e	13e	16	19	22	19	12	14	11
16	12	13	5.0e	11e	14e	16	19	22	20	16	11	11
17	11	14	6.3e	8.5e	17e	17	19	21	20	13	10	11
18	11	13	7.0e	7.6e	15e	18	20	21	20	15	11	11
19	12	13	7.8e	7.3e	13e	17	19	21	21	24	11	11
20	11	13	7.2e	7.0e	17e	17	18	20	20	16	11	11
21	10.0	12	8.7e	6.1e	11e	17	18	19	31	13	12	11
22	10	12	8.4e	5.5e	12e	17	18	25	33	12	11	10
23	9.9	12	7.1e	7.0e	14e	17	18	179	20	13	11	11
24	9.7	13e	9.8e	7.6e	12e	17	18	924	19	13	76	11
25	9.9	14e	9.9e	9.2e	16e	17	19	234	18	14	45	11
26	9.8	14e	10e	14e	15e	18	19	69	18	13	19	11
27	10	13e	9.4e	14e	15	18	19	42	21	12	12	11
28	9.8	11	7.5e	15e	16	18	18	34	19	12	11	11
29	10	12e	7.6e	15e	16	17	18	29	17	11	11	11
30	11	11e	7.5e	12e	---	17	18	27	17	12	11	11
31	11	---	8.2e	6.4e	---	18	---	26	---	11	11	---
TOTAL	333.4	387	257.9	292.5	355.9	517	563	2068	679	446	488.2	339
MEAN	10.7	12.9	8.3	9.4	12.3	16.7	18.8	66.8	22.5	14.4	15.8	11.4
MAX	16	14	12	15	17	18	24	924	34	24	76	19
MIN	9.7	11	4.5	5.5	5.5	15	17	18	17	11	9.6	10
AC-FT	661	768	512	580	706	1025	1117	4102	1347	885	968	672
CAL YEAR 2007	TOTAL		7714	MEAN	21.1	MAX	353.0	MIN	1.5	AC-FT	15300	
WTR YEAR 2008	TOTAL		6727	MEAN	18.4	MAX	924.0	MIN	4.5	AC-FT	13340	

e indicates estimated discharge.

## REPUBLICAN RIVER BASIN

## BEAVER CREEK near Beaver City, 06847000

LOCATION.--SW1/4SW1/4 Sec. 23-2-23 W., Furnas County, Lat. 40° 07' 12", Long. 99° 53' 35", on left bank  
400 feet downstream from bridge on U.S. Highway 283, 0.75 mile south of State Highway 89, and  
3.5 miles west of Beaver City, and 25.5 miles above the mouth.

DRAINAGE AREA.--2,081 square miles, approximately 1,650 square miles contributes directly to surface  
runoff.

GAGE.--Continuous stage recorder. Gage datum is 2,164.84 feet above sea level.

PERIOD OF RECORD.--1936 - present (Some records are monthly discharge only, published in WSP 1310).

REMARKS.--Published by U. S. Geological Survey up to October 1, 1994. Records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 9,510 cubic feet per second June 14, 1983, gage height  
15.68 ft. No flow during many years.

EXTREMES FOR CURRENT YEAR.--Peak discharge 197 cubic feet per second May 24, gage height 7.91 feet;  
minimum daily discharge 0.08 cubic feet per second May 21 & 22.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.33	0.29	0.77	0.78e	1.2e	1.8	1.4	1.3	2.3	0.51	0.33	0.22
2	0.30	0.34	0.79	0.80e	1.2e	1.9	1.3	1.2	2.3	0.46	0.31	0.76
3	0.25	0.36	0.79	0.80e	1.3e	1.8	1.4	1.2	2.3	0.39	0.28	0.24
4	0.25	0.41	0.82	0.81e	1.3	1.7	1.4	1.2	2.1	0.39	0.28	0.23
5	0.25	0.39	0.81	0.83e	1.3e	1.7	1.2	1.3	2.0	0.39	0.29	0.28
6	0.20	0.41	0.82	0.82e	1.3e	1.6	1.1	1.4	1.6	1.1	0.30	0.31
7	0.18	0.44	0.81	0.81e	1.2e	1.4	0.87	1.2	1.4	0.52	0.47	0.31
8	0.21	0.47	0.80	0.80e	1.2e	1.4	0.93	1.1	1.1	0.54	0.36	0.81
9	0.19	0.48	0.76	0.81e	1.0	1.4	0.88	0.94	0.94	0.44	0.77	0.53
10	0.17	0.49	0.78	0.81e	1.0	1.4	1.5	0.97	0.94	0.39	0.40	0.61
11	0.18	0.53	0.80	0.79e	1.1	1.5	1.9	0.83	0.88	0.34	0.37	0.56
12	0.18	0.60	0.78	0.82	1.1e	1.5	1.4	0.72	0.81	0.30	0.37	0.55
13	0.19	0.59	0.79	0.81	1.2e	1.7	1.1	0.62	0.87	0.29	0.36	0.50
14	0.35	0.57	0.79	0.78	1.2	1.7	1.2	0.49	0.81	0.28	0.40	0.47
15	0.31	0.58	0.79	0.68	1.2e	1.6	1.3	0.41	0.82	0.30	0.32	0.45
16	0.32	0.64	0.80e	0.65	1.1e	1.5	1.2	0.34	0.82	0.34	0.31	0.40
17	0.35	0.66	0.81e	0.69	1.0	1.7	1.7	0.26	0.86	0.46	0.31	0.37
18	0.34	0.67	0.80e	0.75	0.99e	1.8	1.9	0.21	0.89	0.64	0.32	0.31
19	0.30	0.70	0.79e	0.80e	0.98e	1.6	1.7	0.15	0.97	0.52	0.29	0.32
20	0.30	0.71	0.77e	0.82e	0.98	1.6	1.8	0.11	1.1	0.48	0.28	0.34
21	0.29	0.67	0.77e	0.85e	0.92	1.5	1.9	0.08	1.0	0.48	0.27	0.32
22	0.33	0.66	0.76e	0.87e	0.90	1.5	1.8	0.08	1.0	0.51	0.25	0.30
23	0.35	0.66	0.76	0.91e	0.86	1.4	1.8	4.2	0.99	0.46	0.30	0.36
24	0.36	0.66e	0.73	0.93e	0.95	1.3	1.5	105	0.96	0.39	0.28	0.23
25	0.38	0.65e	0.74	0.96e	1.1	1.4	1.6	21	0.87	0.82	0.27	0.34
26	0.39	0.63e	0.75e	1.0e	1.1	1.4	1.5	15	0.82	1.5	0.50	0.38
27	0.37	0.63e	0.76e	1.1e	1.1	1.4	1.3	7.5	0.78	0.59	0.29	0.30
28	0.38	0.64e	0.77e	1.0e	1.4	1.3	1.3	2.2	0.70	0.57	0.29	0.20
29	0.39	0.67e	0.78e	1.1e	1.5	1.2	1.3	2.2	0.64	0.46	0.27	0.13
30	0.35	0.73	0.79e	0.99	---	1.2	1.2	2.9	0.56	0.38	0.24	0.12
31	0.29	---	0.80e	1.1e	---	1.4	---	2.6	---	0.35	0.23	---
TOTAL	9.03	16.93	24.28	26.47	32.68	47.3	42.38	178.71	34.13	15.59	10.31	11.25
MEAN	0.29	0.56	0.78	0.85	1.1	1.5	1.4	5.7	1.1	0.50	0.33	0.38
MAX	0.39	0.73	0.82	1.1	1.5	1.9	1.9	105	2.3	1.5	0.77	0.81
MIN	0.17	0.29	0.73	0.65	0.86	1.2	0.87	0.08	0.56	0.28	0.23	0.12
AC-FT	18	34	48	53	65	94	84	354	68	31	20	22
CAL YEAR 2007	TOTAL		618	MEAN	1.7	MAX	54.0	MIN	0.17	AC-FT	1226	
WTR YEAR 2008	TOTAL		449	MEAN	1.2	MAX	105.0	MIN	0.080	AC-FT	891	

e indicates estimated discharge.

**HARLAN COUNTY RESERVOIR near Republican City, 06849000**

LOCATION.--Sec. 11-1-17 W., Harlan County, Lat. 40° 04' 10", Long. 99° 12' 30", at left end of spillway on upstream side of Harlan County Dam on Republican River, 2 miles southeast of Republican City and 8 miles southeast of Alma.

DRAINAGE AREA.--20,750 square miles, approximately 13,530 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is mean sea level.

PERIOD OF RECORD.--November 1952 - present

REMARKS.--Values from the U.S. Bureau of Reclamation Great Plains Region web page. Published by U.S. Geological Survey up to Oct. 1, 1994.

STORAGE ( ACFT ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	246700	248100	249800	255600	261400	270100	280500	290600	352100	340600	318500	314100
2	245900	248000	249800	255600	261500	270700	280500	291300	353500	339900	317400	313700
3	246300	247900	249800	255600	261700	271100	280800	290900	355600	338700	316200	313600
4	246200	247900	250000	256000	261900	271300	281500	291100	356800	338000	314800	313200
5	246100	247900	250000	256200	262300	272100	281500	291100	356100	336300	313800	313100
6	246100	247800	250300	256500	262700	272100	282100	291300	357300	335200	312500	312900
7	246100	247500	250600	256500	263000	272300	282000	292100	356800	334000	311600	313100
8	246800	247600	251000	256600	263100	272700	282600	292200	356800	334000	311100	313300
9	246700	247800	251100	256700	263300	272900	282900	292900	356300	335500	310500	313800
10	246400	247600	251100	257100	263400	273200	283700	293400	355500	334700	310300	313800
11	246200	248100	251900	257200	263600	273500	285300	293600	355200	334100	310000	314000
12	246400	247900	252000	257600	263900	273900	285700	293800	354700	334100	310400	314000
13	246300	248000	252000	257800	264200	274200	285800	293900	354100	332500	310400	314500
14	246900	248100	252300	257600	264200	274300	285900	294400	353200	331200	310500	314500
15	247400	248200	253000	258100	264200	274800	286000	294500	352400	330000	310800	314400
16	247000	248100	253000	258300	264500	275300	286700	295200	351300	328900	310700	313800
17	246800	248200	253000	258600	264900	275800	287300	295400	350600	327800	310700	313700
18	248300	248300	253200	258800	265300	276300	288300	295600	349800	328100	310700	313600
19	247800	248300	253200	258900	265800	276400	288200	295700	349100	328000	310300	313600
20	247800	248500	253300	259200	265400	276600	288400	295800	348400	328000	309600	313600
21	247800	248600	253500	259400	266400	277400	288700	295800	347600	328000	308900	313500
22	247300	248500	254100	259700	266900	277100	288900	295400	346600	327400	307800	313300
23	248200	248600	254100	259800	266600	277400	288900	298300	345300	326300	307400	313300
24	248100	248800	254200	259900	267800	277600	290100	300600	344600	324900	309500	313300
25	248200	248900	254400	260100	268800	278100	290100	303100	344400	324900	311700	313300
26	248100	248800	254500	260300	268300	278300	290200	312400	343800	323400	313200	313100
27	248100	249100	254700	260400	268700	278400	290600	327600	343200	322600	314500	312900
28	248000	249300	254900	260500	269100	278900	290700	339700	342700	321600	314900	313100
29	248000	249300	255300	260800	269700	279000	290800	345000	342100	320900	314800	313100
30	248000	249300	255400	260800	---	279100	291100	349400	341300	320500	314500	312800
31	248100	---	255400	261100	---	279400	---	351400	---	319400	314500	---
MEAN	247200	248300	252600	258300	264900	275200	286200	302700	350600	330000	312000	313500
MAX	248300	249300	255400	261100	269700	279400	291100	351400	357300	340600	318500	314500
MIN	245900	247500	249800	255600	261400	270100	280500	290600	341300	319400	307400	312800
CAL YEAR 2007	MEAN	206700	MAX	255400	MIN	116700						
WTR YEAR 2008	MEAN	286800	MAX	357300	MIN	245900						

## REPUBLICAN RIVER BASIN

## NAPONEE CANAL from Republican River, 00105000

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

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	0.00	6.0	---
2	---	---	---	---	---	---	---	---	---	0.00	1.0	---
3	---	---	---	---	---	---	---	---	---	0.00	0.00	---
4	---	---	---	---	---	---	---	---	---	0.00	0.00	---
5	---	---	---	---	---	---	---	---	---	0.00	0.00	---
6	---	---	---	---	---	---	---	---	---	0.00	11	---
7	---	---	---	---	---	---	---	---	---	0.00	9.0	---
8	---	---	---	---	---	---	---	---	---	0.00	5.0	---
9	---	---	---	---	---	---	---	---	---	0.00	2.0	---
10	---	---	---	---	---	---	---	---	---	13	0.00	---
11	---	---	---	---	---	---	---	---	---	9.0	0.00	---
12	---	---	---	---	---	---	---	---	---	7.0	0.00	---
13	---	---	---	---	---	---	---	---	---	1.0	0.00	---
14	---	---	---	---	---	---	---	---	---	0.00	0.00	---
15	---	---	---	---	---	---	---	---	---	5.0	0.00	---
16	---	---	---	---	---	---	---	---	---	9.0	0.00	---
17	---	---	---	---	---	---	---	---	---	8.0	0.00	---
18	---	---	---	---	---	---	---	---	---	8.0	0.00	---
19	---	---	---	---	---	---	---	---	---	1.0	0.00	---
20	---	---	---	---	---	---	---	---	---	0.00	0.00	---
21	---	---	---	---	---	---	---	---	---	0.00	8.0	---
22	---	---	---	---	---	---	---	---	---	0.00	6.0	---
23	---	---	---	---	---	---	---	---	---	9.0	3.0	---
24	---	---	---	---	---	---	---	---	---	10	0.00	---
25	---	---	---	---	---	---	---	---	---	6.0	0.00	---
26	---	---	---	---	---	---	---	---	---	0.00	0.00	---
27	---	---	---	---	---	---	---	---	---	0.00	0.00	---
28	---	---	---	---	---	---	---	---	---	0.00	0.00	---
29	---	---	---	---	---	---	---	---	---	0.00	0.00	---
30	---	---	---	---	---	---	---	---	---	11	0.00	---
31	---	---	---	---	---	---	---	---	---	11	0.00	---
TOTAL	0	0	0	0	0	0	0	0	0	108	51	0
MEAN	---	---	---	---	---	---	---	---	---	3.5	1.6	---
MAX	---	---	---	---	---	---	---	---	---	13	11	---
MIN	---	---	---	---	---	---	---	---	---	0.00	0.00	---
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	214	101	0.00
CAL YEAR 2007	MAX	0	MIN	0.000	AC-FT	0						
WTR YEAR 2008	MAX	13.0	MIN	0.000	AC-FT	315						

REPUBLICAN RIVER BASIN

FRANKLIN CANAL from Republican River, 00053000

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	0.00	110	149	0.00
2	---	---	---	---	---	---	---	---	0.00	163	168	96
3	---	---	---	---	---	---	---	---	0.00	174	175	110
4	---	---	---	---	---	---	---	---	0.00	174	175	110
5	---	---	---	---	---	---	---	---	0.00	174	175	110
6	---	---	---	---	---	---	---	---	0.00	174	184	29
7	---	---	---	---	---	---	---	---	0.00	192	159	0.00
8	---	---	---	---	---	---	---	---	0.00	192	127	0.00
9	---	---	---	---	---	---	---	---	0.00	192	113	0.00
10	---	---	---	---	---	---	---	---	0.00	177	110	0.00
11	---	---	---	---	---	---	---	---	0.00	175	110	0.00
12	---	---	---	---	---	---	---	---	0.00	188	110	0.00
13	---	---	---	---	---	---	---	---	0.00	190	110	0.00
14	---	---	---	---	---	---	---	---	0.00	190	110	0.00
15	---	---	---	---	---	---	---	---	0.00	199	26	0.00
16	---	---	---	---	---	---	---	---	0.00	200	0.00	0.00
17	---	---	---	---	---	---	---	---	0.00	178	0.00	0.00
18	---	---	---	---	---	---	---	---	0.00	164	0.00	0.00
19	---	---	---	---	---	---	---	---	0.00	59	71	0.00
20	---	---	---	---	---	---	---	---	0.00	1.0	151	0.00
21	---	---	---	---	---	---	---	---	0.00	0.00	150	0.00
22	---	---	---	---	---	---	---	---	0.00	99	150	0.00
23	---	---	---	---	---	---	---	---	0.00	159	150	0.00
24	---	---	---	---	---	---	---	---	0.00	170	128	0.00
25	---	---	---	---	---	---	---	---	0.00	187	125	0.00
26	---	---	---	---	---	---	---	---	0.00	130	107	0.00
27	---	---	---	---	---	---	---	---	94	117	66	0.00
28	---	---	---	---	---	---	---	---	110	117	9.0	0.00
29	---	---	---	---	---	---	---	---	110	117	0.00	0.00
30	---	---	---	---	---	---	---	---	110	117	0.00	0.00
31	---	---	---	---	---	---	---	---	---	132	0.00	---
TOTAL	0	0	0	0	0	0	0	0	424	4611	3108	455
MEAN	---	---	---	---	---	---	---	---	14.1	148.7	100.3	15.2
MAX	---	---	---	---	---	---	---	---	110	200	184	110
MIN	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	841	9146	6165	902
CAL YEAR 2007	MAX	0	MIN	0.000	AC-FT	0						
WTR YEAR 2008	MAX	200.0	MIN	0.000	AC-FT	17050						



## REPUBLICAN RIVER BASIN

## TURKEY CREEK at Naponee, 06850000

LOCATION.--SW1/4SW1/4 Sec. 4-1-16 W., Franklin County, Lat. 40° 04' 35", Long. 99° 08' 18", on the right, downstream abutment on the road bridge at the Naponee city park, Naponee, Nebraska.

DRAINAGE AREA.--129 square miles.

GAGE.--Continuous stage recorder. Gage datum 1,870.00 feet (Corps of Engineers bench mark).

PERIOD OF RECORD.--Published by USGS at as a continuous record site 1948 - 1953, published as a miscellaneous or partial record site 1954 - 1989, crest-stage partial record station 1991 - 2002, continuous record site by Nebraska Department of Natural Resources 2003 - present.

REMARKS.--Records are fair, except estimated records are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharge 62 cubic feet per second May 23, gage height 2.44 feet; minimum daily discharge 1.3 cubic feet per second estimated March 7.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.0	5.3	8.3	6.6e	5.3e	9.0	8.7	9.0	10	4.6	6.1	5.8
2	6.0	5.5	7.8	6.0e	4.7e	9.4	8.9	8.9	11	4.6	5.7	5.7
3	5.7	5.4	7.4	7.2e	3.7	8.4	9.7	8.8	11	4.4	5.3	5.1
4	5.9	6.2	8.2	7.4e	4.0e	6.5	9.4	8.7	12	4.2	5.4	5.0
5	5.9	6.9	8.2	8.1e	3.8	2.5	9.6	8.8	12	4.3	6.0	5.2
6	5.3	6.1	7.8	8.3e	2.4e	2.0	9.8	9.0	7.2	4.2	6.2	5.1
7	5.8	6.1	7.9	9.0	2.3e	1.3e	9.8	11	5.7	4.2	5.9	5.1
8	6.6	6.3	7.1e	9.6	3.0	2.2e	9.9	11	5.6	4.8	4.7	7.2
9	4.9	6.5	7.1e	8.7	3.5	2.5	8.4	12	5.4	4.3	4.9	8.5
10	4.7	6.8	6.9e	8.7	2.8e	2.6	11	12	5.4	4.0	5.5	7.6
11	4.7	7.1	7.0e	8.2	3.1e	3.0	9.5	11	5.8	4.2	5.1	8.6
12	4.9	8.0	7.1e	8.0	3.6e	3.6	8.6	11	5.9	4.2	5.6	8.0
13	5.0	7.5	6.7e	7.7	3.4	4.5	8.4	12	5.7	3.9	5.2	7.7
14	6.2	7.2	7.7e	7.4	3.7e	4.9	8.7	11	5.9	3.8	6.0	6.9
15	5.8	7.1	7.0e	7.7	3.3e	4.9	9.0	11	5.9	3.9	5.8	6.5
16	5.7	7.4	6.8e	7.3	3.6e	4.9	9.2	11	6.2	5.5	5.6	6.4
17	6.1	7.9	6.4e	6.7e	5.1	5.2	10	12	6.4	5.2	5.4	6.2
18	6.8	8.0	6.9e	5.3e	4.8	5.4	9.3	12	8.6	5.9	5.3	6.0
19	6.4	8.2	7.1e	5.4e	5.1	5.7	9.2	12	7.5	5.2	5.2	6.1
20	6.3	8.0	7.4	5.4e	5.1e	6.4	9.6	13	7.6	4.9	5.6	6.1
21	6.1	7.0	7.4	5.5e	4.7e	6.9	9.3	14	8.0	5.3	5.6	5.9
22	6.4	6.7	6.9e	5.9e	5.8e	7.2	9.3	19	7.8	5.6	5.8	5.8
23	7.6	7.2e	6.5e	5.8e	4.5	6.9	9.9	45	7.8	5.5	12	6.1
24	7.7	7.6	6.7e	5.2e	5.1	7.7	9.9	34	8.1	4.8	7.3	6.0
25	7.5	7.6	6.5e	7.2e	5.6	8.4	9.6	43	6.9	7.3	6.2	5.8
26	7.4	7.8	6.8e	10.0e	4.8	8.6	9.4	37	5.1	6.3	7.8	5.7
27	7.9	7.8	6.4e	11e	5.3	8.8	9.4	20	5.3	5.9	6.8	5.8
28	7.6	7.9	6.2e	11e	7.4	8.6	9.2	12	5.1	5.7	6.2	5.8
29	7.5	7.5	6.8e	9.5	7.9	8.9	9.0	12	4.8	6.1	5.8	5.4
30	6.5	7.3	6.5e	6.5e	---	8.9	9.1	32	4.7	6.4	5.8	5.0
31	5.5	---	7.1e	5.0e	---	9.6	---	12	---	6.5	6.1	---
TOTAL	192.4	211.9	220.6	231.3	127.4	185.4	280.8	495.2	214.4	155.7	185.9	186.1
MEAN	6.2	7.1	7.1	7.5	4.4	6.0	9.4	16.0	7.1	5.0	6.0	6.2
MAX	7.9	8.2	8.3	11	7.9	9.6	11	45	12	7.3	12	8.6
MIN	4.7	5.3	6.2	5.0	2.3	1.3	8.4	8.7	4.7	3.8	4.7	5.0
AC-FT	382	420	438	459	253	368	557	982	425	309	369	369
CAL YEAR 2007 TOTAL			3996	MEAN	10.9	MAX	116.0	MIN	3.7	AC-FT	7927	
WTR YEAR 2008 TOTAL			2687	MEAN	7.3	MAX	45.0	MIN	1.3	AC-FT	5330	

e indicates estimated discharge.

# REPUBLICAN RIVER BASIN

## CENTER CREEK at Franklin, 06851000

LOCATION.--SE1/4SW1/4 Sec. 36-2-15 W. at Franklin, Franklin County, Latitude 40°05'33", Longitude 98°57'53", on the left bank at the downstream side of the Franklin County bridge at the southwest edge of Franklin, Nebraska.

GAGE.--Continuous stage recorder. Gage Datum is 1828.50 feet above sea level.

PERIOD OF RECORD.--1948 - 1956, Annual peaks and occasional low flow measurements 1961 - 1968, 1968 - 1975, 1977 - 1994, 2003 - present.

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1993. Station location is about 1.7 miles downstream of the old station location. Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 3,150 cubic feet per second September 20, 1950 at gage height 6.80 feet; minimum daily discharge zero August 29, 1948.

EXTREMES FOR CURRENT YEAR.--Peak discharge 391 cubic feet per second May 23, gage height 5.19 feet; minimum daily discharge 0.77 cubic feet per second July 2.

### DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.1	5.0	5.7	4.2e	5.2e	5.5	5.8	5.2	6.8	0.84	4.5	3.5
2	4.2	5.2	5.6	4.0e	4.7	5.8	5.8	5.1	9.5	0.77	4.3	3.7
3	4.0	5.3	5.6	4.4e	5.7	6.0	6.0	5.2	6.7	1.0	3.5	3.7
4	3.8	5.3	5.5	4.7e	5.7	6.0	5.9	5.1	7.0	1.0	3.0	3.9
5	3.4	5.4	5.5	5.0	5.3e	5.7	6.0	5.0	6.8	1.0	2.8	4.1
6	2.8	5.5	5.1e	5.1	4.1e	5.8	6.0	5.0	6.3	2.2	4.4	4.2
7	3.1	5.6	4.9e	5.4	4.3e	6.0	6.1	5.3	6.2	3.3	4.5	4.2
8	4.3	5.6	4.4e	5.5	5.1	6.2	6.2	5.2	5.7	2.9	4.5	5.2
9	3.6	5.6	4.6e	5.5	5.5	5.4	6.2	5.2	5.8	1.8	4.5	4.3
10	3.5	5.6	4.2e	5.5	5.2e	5.5	6.5	5.3	5.7	1.6	4.7	4.1
11	3.6	5.6	4.4e	5.3	4.7e	5.4	6.4	5.1	5.6	1.4	4.5	4.2
12	3.6	5.6	4.4e	5.2	5.0e	5.4	6.3	4.8	5.4	1.9	4.5	4.5
13	3.7	5.7	4.3e	5.3	4.7	5.5	6.3	4.6	5.5	2.4	4.0	4.3
14	4.9	5.7	4.2e	5.3	4.6e	5.6	6.2	4.5	5.4	2.2	4.8	4.1
15	4.3	5.8	4.1e	5.4	4.2e	5.6	6.2	4.5	5.2	2.3	4.2	4.3
16	4.1	5.8	4.1e	5.4	4.8	5.7	6.0	4.4	5.3	3.9	4.1	4.7
17	4.7	5.8	4.2e	5.1e	4.9	6.1	6.2	4.4	5.3	13	4.1	4.3
18	5.1	5.8	4.8e	4.6e	4.9	5.6	6.1	4.3	5.5	21	4.0	3.4
19	4.7	5.8	5.1	4.2e	5.0	5.6	6.1	4.1	5.5	17	4.8	3.6
20	4.7	5.8	5.3	3.9e	4.7e	5.5	6.0	4.2	5.2	6.3	3.4	3.8
21	4.7	5.8	5.3	3.7e	4.2e	5.3	5.9	4.2	5.4	3.3	3.2	3.8
22	4.5	5.9	5.1e	4.0e	4.4e	5.5	5.9	9.5	5.1	3.9	4.0	3.9
23	4.5	5.9	4.8e	4.0e	4.4	5.7	5.6	71	5.0	2.9	6.5	3.9
24	4.5	5.8	4.9e	4.4e	4.6	5.6	5.4	29	5.2	2.5	8.1	4.2
25	4.7	5.8	5.0e	4.4e	4.7e	5.4	5.2	8.8	3.7	7.5	17	4.1
26	4.6	5.7	4.6e	4.7	4.7	5.3	5.2	7.8	6.0	4.6	5.3	4.1
27	4.6	5.7	4.3e	4.9e	4.7	5.2	5.1	7.7	20	4.2	3.9	4.1
28	4.8	5.5	4.3e	7.0e	4.9	5.2	5.1	7.8	3.3	4.4	3.9	4.2
29	4.8	5.6	4.6e	5.7e	5.1	5.3	5.1	7.8	2.4	5.1	3.8	4.2
30	4.9	5.5	4.7e	4.8e	---	5.5	5.2	8.4	1.8	4.8	3.6	4.5
31	4.6	---	4.2e	4.8e	---	5.9	---	6.9	---	4.5	3.5	---
TOTAL	131.4	168.7	147.8	151.4	140	173.8	176	265.4	178.3	135.51	145.9	123.1
MEAN	4.2	5.6	4.8	4.9	4.8	5.6	5.9	8.6	6.0	4.4	4.7	4.1
MAX	5.1	5.9	5.7	7.0	5.7	6.2	6.5	71	20	21	17	5.2
MIN	2.8	5.0	4.1	3.7	4.1	5.2	5.1	4.1	1.8	0.77	2.8	3.4
AC-FT	261	335	293	300	278	345	349	526	354	269	289	244
CAL YEAR 2007	TOTAL		2298	MEAN	6.3	MAX	272.0	MIN	2.8	AC-FT	4558	
WTR YEAR 2008	TOTAL		1937	MEAN	5.3	MAX	71.0	MIN	0.77	AC-FT	3843	

e indicates estimated discharge.

## REPUBLICAN RIVER BASIN

## FRANKLIN PUMP CANAL from Republican River, 00054000

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

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	9.4	13	---
2	---	---	---	---	---	---	---	---	---	12	13	---
3	---	---	---	---	---	---	---	---	---	12	13	---
4	---	---	---	---	---	---	---	---	---	12	20	---
5	---	---	---	---	---	---	---	---	---	5.9	25	---
6	---	---	---	---	---	---	---	---	---	0.00	13	---
7	---	---	---	---	---	---	---	---	---	0.00	0.00	---
8	---	---	---	---	---	---	---	---	---	0.00	0.00	---
9	---	---	---	---	---	---	---	---	---	0.00	0.00	---
10	---	---	---	---	---	---	---	---	---	6.3	0.00	---
11	---	---	---	---	---	---	---	---	---	4.9	0.00	---
12	---	---	---	---	---	---	---	---	---	4.8	0.00	---
13	---	---	---	---	---	---	---	---	---	5.4	0.00	---
14	---	---	---	---	---	---	---	---	---	10	0.00	---
15	---	---	---	---	---	---	---	---	---	13	0.00	---
16	---	---	---	---	---	---	---	---	---	6.0	0.00	---
17	---	---	---	---	---	---	---	---	---	0.00	0.00	---
18	---	---	---	---	---	---	---	---	---	0.00	0.00	---
19	---	---	---	---	---	---	---	---	---	0.00	0.00	---
20	---	---	---	---	---	---	---	---	---	0.00	0.00	---
21	---	---	---	---	---	---	---	---	---	0.00	0.00	---
22	---	---	---	---	---	---	---	---	---	0.00	13	---
23	---	---	---	---	---	---	---	---	---	0.00	12	---
24	---	---	---	---	---	---	---	---	---	0.00	12	---
25	---	---	---	---	---	---	---	---	---	0.00	12	---
26	---	---	---	---	---	---	---	---	---	0.00	12	---
27	---	---	---	---	---	---	---	---	---	0.00	13	---
28	---	---	---	---	---	---	---	---	---	0.00	11	---
29	---	---	---	---	---	---	---	---	---	0.00	5.6	---
30	---	---	---	---	---	---	---	---	---	0.00	0.00	---
31	---	---	---	---	---	---	---	---	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	0	0	0	101.7	187.6	0
MEAN	---	---	---	---	---	---	---	---	---	3.3	6.1	---
MAX	---	---	---	---	---	---	---	---	---	13	25	---
MIN	---	---	---	---	---	---	---	---	---	0.00	0.00	---
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	202	372	0.00
CAL YEAR 2007	MAX	0	MIN	0.000	AC-FT	0						
WTR YEAR 2008	MAX	25.0	MIN	0.000	AC-FT	574						

# REPUBLICAN RIVER BASIN

**REPUBLICAN RIVER at Riverton, 06851090**

LOCATION.--NE1/4NE1/4 Sec. 3-1-13 W., Franklin County, Latitude 40° 05' 20", Longitude 98° 45' 54", on the left, upstream side of the Franklin County Road near the west edge of Riverton, NE.

GAGE.--Continuous stage recorder. Datum of gage is 1,749.80 feet above sea level.

DRAINAGE AREA.--21,300 square miles

PERIOD OF RECORD.--USGS miscellaneous site 1963 - 1967, crest-stage gage 1970 - 1978, Department of natural Resources continuous record 2003 - to present.

REMARKS.--Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 3,580 cubic feet per second May 5, 2007, gage height 9.62 feet; minimum daily discharge zero on August 27, 28, and September 1 - 22, 2004 and August 11, 2005.

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,860 cubic feet per second May 24, gage height 8.36 feet; minimum daily discharge 12 cubic feet per second August 15 & 16.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	26	39	33e	30e	48e	44	41	48	731	387	170	101
2	25	38	33e	28e	54e	45	38	48	848	406	199	131
3	24	38	32	31e	62e	44	40	49	521	420	172	135
4	25	38	33	31e	63e	43	41	49	469	445	180	99
5	25	38	32	35e	56e	43	39	49	845	441	222	71
6	23	38	31e	37e	45e	41	36	48	838	434	284	71
7	25	38	30e	38e	46e	40	38	53	818	433	267	63
8	40	38	28e	39e	53e	39	41	51	813	415	110	76
9	33	37	24e	41e	57e	42	40	53	810	258	92	79
10	30	37	17e	41e	47e	40	49	56	800	157	79	78
11	29	36	18e	38e	40e	39	64	56	791	130	37	74
12	29	36	21e	35e	40e	38	57	53	794	137	36	64
13	31	36	25e	36e	48e	37	51	51	787	167	26	63
14	43	35	27e	34e	48e	36	48	48	776	205	18	58
15	47	35	26e	37e	44e	36	47	47	765	214	12	55
16	41	36	25e	36e	47e	36	45	48	768	344	12	52
17	39	36	28e	24e	45e	45	50	44	777	239	43	49
18	49	35	29e	24e	44e	46	52	42	786	230	79	45
19	57	35	31e	25e	42e	42	50	39	777	114	84	42
20	52	35	36e	25e	41e	40	49	37	767	36	97	40
21	45	35	35e	26e	39e	37	47	36	758	15	137	38
22	41	34e	33e	23e	41e	36	45	38	751	18	146	36
23	39	32e	31e	24e	41e	36	46	770	744	162	157	33
24	38	34e	33e	23e	43e	37	47	1790	739	337	162	32
25	38	37	39e	25e	45	35	48	479	565	376	165	30
26	37	36	39e	32e	45	35	50	258	510	300	144	28
27	37	36	31e	37e	44	36	52	195	562	265	188	27
28	37	34	31e	54e	44	36	51	171	492	257	160	26
29	38	33	30e	62e	43	35	49	291	411	227	140	25
30	39	30e	29e	53e	---	37	48	598	398	184	118	24
31	39	---	30e	44e	---	42	---	645	---	159	81	---
TOTAL	1121	1075	920	1068	1355	1218	1399	6240	21211	7912	3817	1745
MEAN	36.1	35.8	29.7	34.4	46.7	39.2	46.7	201.3	707.1	255.2	123.1	58.2
MAX	57	39	39	62	63	46	64	1790	848	445	284	135
MIN	23	30	17	23	39	35	36	36	398	15	12	24
AC-FT	2223	2132	1825	2118	2688	2416	2775	12380	42070	15690	7571	3461
CAL YEAR 2007 TOTAL			31756	MEAN	87.0	MAX	2250	MIN	17.0	AC-FT	62990	
WTR YEAR 2008 TOTAL			49081	MEAN	134.1	MAX	1790	MIN	12.0	AC-FT	97350	

e indicates estimated discharge.

## REPUBLICAN RIVER BASIN

## THOMPSON CREEK at Riverton, 06851500

LOCATION.--NW1/4NW1/4 Sec. 2-1-13 W., Franklin County, Lat. 40°05'21", Long. 98°45'38", on left bank 15 feet downstream from bridge on U. S. Highway 136, at west edge of Riverton, 240 feet upstream from Burlington Northern Railroad bridge, and 0.5 miles upstream from the mouth.

DRAINAGE AREA.--290 square miles; approximately 197 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Datum of gage is 1,753.38 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1948 - 1956, Annual peaks 1962 - 1968, occasional low flow measurements 1961 -1968, 1968 - 1975, 1977 - present.

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994. Records are fair except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 12,200 cubic feet per second July 9, 1950 at gage height 13.22 feet; minimum daily discharge 6.5 cubic feet per second June 11, 1996 and July 26, 2007.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,560 cubic feet per second May 23, gage height 9.92 feet; minimum daily discharge 9.2 cubic feet per second August 3.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13	17	17	18e	12e	17	18	16	17	15	11	15
2	13	18	17	17e	13e	17	18	16	38	15	10	17
3	13	17	17	17e	15e	16	19	14	20	14	9.2	15
4	15	17	17	17	17e	16	18	14	76	14	9.9	16
5	15	18	17	17	18e	16	19	15	43	14	9.6	16
6	15	17	17	17	16e	16	19	17	48	15	30	17
7	16	17	17	17	16e	16	18	24	24	16	30	17
8	44	17	17	17	18	16	18	24	21	18	16	23
9	15	17	16e	17	18e	16	18	26	20	16	16	16
10	13	18	16e	17	16e	16	22	26	19	15	18	16
11	13	19	16e	17	16e	17	21	25	20	15	17	17
12	14	19	16e	17	16e	17	18	25	19	15	19	19
13	14	18	17e	17	18	17	17	25	17	14	16	20
14	39	18	17e	17	18e	17	17	25	16	14	19	18
15	24	17	16e	17	16e	16	17	26	17	14	16	16
16	15	17	16e	18e	17	16	18	26	18	45	16	15
17	18	17	16e	17e	18	18	19	26	19	26	16	15
18	37	18	17e	17e	17e	17	19	26	19	95	16	15
19	22	18	17e	16e	19e	17	17	26	19	23	16	15
20	17	18	18	16e	16e	18	17	26	19	13	20	15
21	17	17	19	15e	13e	17	18	26	19	11	17	15
22	17	15	18	14e	15e	17	17	75	18	11	16	15
23	17	16	18e	15e	16	17	17	1450e	17	12	19	15
24	18	16	18e	14e	16	17	17	703	17	11	20	16
25	18	16	18	14e	17	18	17	100	17	25	23	16
26	17	16	18	14e	17	17	16	38	17	19	17	15
27	17	16	18e	16e	17	17	15	25	19	12	17	15
28	17	17	18e	20e	18	17	15	23	18	12	16	15
29	17	17	18e	22e	17	18	15	23	22	13	16	14
30	18	17	18e	17e	---	18	15	47	18	14	15	13
31	18	---	18e	13e	---	19	---	26	---	12	16	---
TOTAL	576	515	533	514	476	524	529	2984	691	578	522.7	482
MEAN	18.6	17.2	17.1	16.6	16.5	16.9	17.7	96.1	23.0	18.7	16.8	16.1
MAX	44	19	19	22	19	19	22	1450	76	95	30	23
MIN	13	15	16	13	12	16	15	14	16	11	9.2	13
AC-FT	1142	1021	1057	1020	944	1039	1049	5919	1371	1146	1037	956
CAL YEAR 2007	TOTAL		8501	MEAN	23.3	MAX	754.0	MIN	6.5	AC-FT	16860	
WTR YEAR 2008	TOTAL		8925	MEAN	24.4	MAX	1450	MIN	9.2	AC-FT	17700	

e indicates estimated discharge.

ELM CREEK at Amboy, 06852000

LOCATION.--NEL/4NW1/4 Sec. 3-1-10 W., Webster County, Lat. 40°05'20", Long. 98°26'07", on left bank at downstream side of bridge on U. S. Highway 136, at east edge of Amboy, 400 feet east of Burlington Northern railroad track, 2.5 miles upstream from the mouth, 4.5 miles east of Red Cloud, and 5.5 miles west of Guide Rock.

DRAINAGE AREA.--39.2 square miles.

GAGE.--Continuous stage recorder. Gage datum is 1,659.07 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1948 - 1953, Annual peaks 1959, 1961 - 1977, occasional low flow measurements 1954 - 1977, 1977 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1993. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 9,540 cubic feet per second July 4, 2000 at gage height 17.10 feet; minimum daily discharge 6.2 cubic feet per second August 28, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,140 cubic feet per second October 5, gage height 14.37 feet; minimum daily discharge 11 cubic feet per October 1.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	11	14	15	14e	16e	14	14	15	18	14	14	15
2	12	14	15	14e	16	15	15	15	31	14	14	16
3	12	14	14	14e	16	14	16	14	26	14	13	16
4	79	14	15	15	16	14	15	14	20	14	13	16
5	201	14	15e	15	16e	14	15	14	101	14	13	16
6	21	14	15e	15	16e	14	14	14	30	14	15	16
7	17	14	14e	15	16	14	15	15	20	15	15	16
8	25	14	14e	15	16	14	15	15	18	17	15	23
9	17	14	14e	15	16	14	15	15	17	16	15	20
10	15	14	14e	15	16e	14	16	15	16	15	16	19
11	15	14	14e	15	15e	14	16	15	15	15	18	19
12	15	14	14e	15e	15e	14	16	15	16	16	17	18
13	15	14	15e	15	16	14	16	15	15	15	15	17
14	16	14	15e	14e	16	14	16	15	15	14	15	16
15	34	14	15e	15	16	14	16	15	16	14	15	16
16	18	14	14e	15	16	14	16	15	16	43	14	16
17	21	14	15e	15e	15	15	18	15	16	23	14	16
18	29	14	15	14e	15	14	18	15	54	23	14	16
19	22	14	15	14e	15	14	18	15	24	17	14	16
20	18	14	15	14e	15	14	17	14	18	17	14	15
21	16	14	15	14e	14	14	16	14	17	16	13	15
22	16	14	15	15e	14	14	16	14	16	15	13	15
23	15	14	14e	15e	14	14	16	293	15	15	86	15
24	15	14	15	15e	14	14	16	287	16	14	25	15
25	16	14	15	15e	15	14	15	47	16	20	19	15
26	16e	14	15e	15e	14	14	16	26	16	15	17	15
27	16e	14	14e	16	14	14	15	22	16	15	17	15
28	16e	14	14e	21	14	14	15	20	15	15	16	15
29	16	14	14e	22e	14	14	15	20	15	16	16	14
30	15	14	14e	19e	---	15	15	25	15	15	16	14
31	15	---	14e	17e	---	15	---	26	---	15	15	---
TOTAL	785	420	451	477	441	438	472	1089	659	515	546	486
MEAN	25.2	14.1	14.5	15.2	15.2	14.1	15.6	35.2	21.9	16.7	17.6	16.3
MAX	201	14	15	22	16	15	18	293	101	43	86	23
MIN	11	14	14	14	14	14	14	14	15	14	13	14
AC-FT	1557	833	895	946	875	869	936	2160	1307	1021	1083	964
CAL YEAR 2007	TOTAL		6430	MEAN	17.6	MAX	721.0	MIN	8.7	AC-FT	12750	
WTR YEAR 2008	TOTAL		6779	MEAN	18.5	MAX	293.0	MIN	11.0	AC-FT	13450	

e indicates estimated discharge.

## REPUBLICAN RIVER BASIN

## COURTLAND CANAL from Republican River, 00031000

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

DISCHARGE ( CFS ), WATER YEAR 2008												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	71	0.00	0.00	---	---	---	---	---	0.00	292	218	132
2	76	0.00	0.00	---	---	---	---	---	0.00	308	223	133
3	30	0.00	0.00	---	---	---	---	---	0.00	344	224	117
4	25	0.00	0.00	---	---	---	---	---	0.00	364	241	94
5	0.00	0.00	0.00	---	---	---	---	---	0.00	366	269	50
6	0.00	0.00	0.00	---	---	---	---	---	0.00	369	297	31
7	0.00	0.00	0.00	---	---	---	---	---	0.00	372	249	22
8	0.00	0.00	0.00	---	---	---	---	---	0.00	245	210	21
9	0.00	0.00	0.00	---	---	---	---	---	0.00	164	184	21
10	0.00	0.00	0.00	---	---	---	---	---	0.00	160	170	12
11	0.00	0.00	0.00	---	---	---	---	---	0.00	156	153	0.00
12	0.00	0.00	0.00	---	---	---	---	---	0.00	156	125	0.00
13	0.00	0.00	0.00	---	---	---	---	---	0.00	158	117	0.00
14	0.00	0.00	0.00	---	---	---	---	---	0.00	158	118	0.00
15	0.00	0.00	0.00	---	---	---	---	---	0.00	195	116	0.00
16	0.00	0.00	0.00	---	---	---	---	---	0.00	216	115	0.00
17	0.00	0.00	0.00	---	---	---	---	---	84	216	115	0.00
18	0.00	0.00	0.00	---	---	---	---	---	217	168	137	0.00
19	0.00	0.00	0.00	---	---	---	---	---	228	132	157	0.00
20	0.00	0.00	0.00	---	---	---	---	---	191	132	161	0.00
21	0.00	0.00	0.00	---	---	---	---	---	158	152	188	0.00
22	0.00	0.00	0.00	---	---	---	---	---	158	162	199	0.00
23	0.00	0.00	0.00	---	---	---	---	---	192	168	175	0.00
24	0.00	0.00	0.00	---	---	---	---	---	233	216	154	0.00
25	0.00	0.00	0.00	---	---	---	---	---	288	270	143	0.00
26	0.00	0.00	0.00	---	---	---	---	---	316	294	138	0.00
27	0.00	0.00	0.00	---	---	---	---	---	284	290	133	0.00
28	0.00	0.00	0.00	---	---	---	---	---	263	288	130	0.00
29	0.00	0.00	0.00	---	---	---	---	---	262	264	133	0.00
30	0.00	0.00	0.00	---	---	---	---	---	261	230	134	0.00
31	0.00	---	0.00	---	---	---	---	---	---	220	133	---
TOTAL	202	0	0	0	0	0	0	0	3135	7225	5259	633
MEAN	6.5	0.000	0.000	---	---	---	---	---	104.5	233.0	169.5	21.1
MAX	76	0.00	0.00	---	---	---	---	---	316	372	297	133
MIN	0.00	0.00	0.00	---	---	---	---	---	0.00	132	115	0.00
AC-FT	401	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6218	14330	10430	1256
CAL YEAR 2007	MAX	361.0	MIN	0.000	AC-FT	65860						
WTR YEAR 2008	MAX	372.0	MIN	0.000	AC-FT	32640						

REPUBLICAN RIVER BASIN

SUPERIOR CANAL from Republican River, 00137000

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

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	0.00	133	78	---
2	---	---	---	---	---	---	---	---	0.00	129	78	---
3	---	---	---	---	---	---	---	---	0.00	93	78	---
4	---	---	---	---	---	---	---	---	0.00	100	78	---
5	---	---	---	---	---	---	---	---	0.00	107	76	---
6	---	---	---	---	---	---	---	---	0.00	105	57	---
7	---	---	---	---	---	---	---	---	0.00	99	28	---
8	---	---	---	---	---	---	---	---	0.00	32	27	---
9	---	---	---	---	---	---	---	---	0.00	0.00	27	---
10	---	---	---	---	---	---	---	---	0.00	0.00	28	---
11	---	---	---	---	---	---	---	---	0.00	0.00	11	---
12	---	---	---	---	---	---	---	---	0.00	0.00	0.00	---
13	---	---	---	---	---	---	---	---	0.00	0.00	0.00	---
14	---	---	---	---	---	---	---	---	0.00	47	0.00	---
15	---	---	---	---	---	---	---	---	0.00	74	0.00	---
16	---	---	---	---	---	---	---	---	0.00	60	0.00	---
17	---	---	---	---	---	---	---	---	0.00	51	0.00	---
18	---	---	---	---	---	---	---	---	0.00	19	0.00	---
19	---	---	---	---	---	---	---	---	0.00	0.00	0.00	---
20	---	---	---	---	---	---	---	---	0.00	0.00	48	---
21	---	---	---	---	---	---	---	---	0.00	0.00	60	---
22	---	---	---	---	---	---	---	---	0.00	0.00	64	---
23	---	---	---	---	---	---	---	---	0.00	0.00	48	---
24	---	---	---	---	---	---	---	---	0.00	50	31	---
25	---	---	---	---	---	---	---	---	0.00	76	13	---
26	---	---	---	---	---	---	---	---	26	75	0.00	---
27	---	---	---	---	---	---	---	---	68	75	0.00	---
28	---	---	---	---	---	---	---	---	94	75	0.00	---
29	---	---	---	---	---	---	---	---	105	76	0.00	---
30	---	---	---	---	---	---	---	---	104	77	0.00	---
31	---	---	---	---	---	---	---	---	---	78	0.00	---
TOTAL	0	0	0	0	0	0	0	0	397	1631	830	0
MEAN	---	---	---	---	---	---	---	---	13.2	52.6	26.7	---
MAX	---	---	---	---	---	---	---	---	105	133	78	---
MIN	---	---	---	---	---	---	---	---	0.00	0.00	0.00	---
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	787	3235	1646	0.00
CAL YEAR 2007	MAX	0	MIN	0.000	AC-FT	0						
WTR YEAR 2008	MAX	133.0	MIN	0.000	AC-FT	5669						



## BIG BLUE RIVER BASIN

## BIG BLUE RIVER at Surprise, 06879900

LOCATION.--NW1/4NW1/4 Sec. 15-13-1 E., Butler County, Lat. 41° 06' 05", Long. 97° 18' 35", on left bank  
50 feet downstream from bridge on county road at south edge of Surprise.

DRAINAGE AREA.--345 square miles.

GAGE.--Continuous stage recorder. Gage datum is 1,522.84 feet above mean sea level.

PERIOD OF RECORD.--1964 - present (Published as North Branch Big Blue River at Surprise WY 1964)

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1993. Records 10 cubic feet per second and above are good, 2 to 10 cubic feet per second fair, and less than 2 cubic feet per second and estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 10,700 cubic feet per second July 19, 1965, gage height 11.52 feet; no flow for many days in many years.

EXTREMES FOR CURRENT YEAR.--Peak discharge 8,100 cubic feet per second June 6, gage height 11.25 feet; minimum daily discharge 0.08 cubic feet per second October 3.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.21	2.8	0.82	0.29	0.32e	45e	1.4	1.4	955	4.6	2.2	0.56
2	0.31	2.6	1.8	0.21	0.39e	41e	1.6	1.2	300	3.8	2.4	1.3
3	0.08	2.2	2.0	0.21	0.34e	33e	2.5	0.94	149	3.4	2.9	0.81
4	0.11	2.4	1.6	0.27	0.36e	21e	1.8	0.83	117	3.1	2.6	0.33
5	7.0	2.3	1.4	0.31	0.30e	7.2e	1.6	0.88	3990	2.2	3.9	0.17
6	13	2.1	1.5	0.44	0.30e	3.2e	1.8	1.2	5020	109	3.8	0.32
7	3.6	2.3	1.4e	0.55	0.28e	2.5e	1.3	1.7	2560	36	2.3	0.92
8	80	2.6	1.4e	0.56	0.38e	3.1e	0.92	1.7	1810	17	2.0	1.3
9	62	2.6	1.1e	0.53	0.26e	3.4e	0.64	1.9	1220	8.4	2.9	1.0
10	37	2.7	1.1e	0.55	0.12e	3.1e	4.8	6.3	1030	29	3.0	0.35
11	18	2.7	1.0e	0.48	0.16e	2.9	12	20	900	6.0	3.9	0.39
12	6.6	2.0	1.3e	0.38	0.12e	3.5	11	11	292	2.5	10	0.73
13	3.0	1.4	1.5e	0.35	0.16e	4.6	4.4	4.2	57	1.7	5.7	0.33
14	31	1.5	1.7e	0.31	0.20e	3.1	4.3	3.3	33	1.2	3.4	0.24
15	88	1.7	1.7e	0.31	0.20e	1.7	2.8	1.8	25	0.44	2.3	0.92
16	126	2.0	1.5e	0.32	0.26e	1.6	2.1	1.5	21	15	2.0	0.93
17	146	2.0	1.7e	0.35	0.26e	1.7	2.4	1.5	17	88	2.2	0.63
18	157	2.0	1.9e	0.29	0.14e	1.5	3.3	1.1	19	248	2.1	0.89
19	160	1.4	1.6	0.27	0.32e	1.2	7.2	0.61	16	207	2.0	0.72
20	118	0.88	1.6	0.32e	0.14e	1.7	5.7	0.43	12	159	1.8	0.59
21	75	0.64	1.5	0.26e	0.26e	1.9	3.9	0.32	9.0	57	2.4	0.58
22	49	0.50	1.5	0.28e	0.32e	1.4	2.8	0.52	12	35	1.7	0.72
23	36	0.40	1.1	0.24e	8.2e	1.4	2.4	12	14	24	1.9	0.74
24	24	0.43	0.83	0.28e	122e	1.7	2.3	172	7.4	18	2.3	0.81
25	14	0.43	0.73	0.39e	149e	1.6	1.8	401	5.2	12	2.4	0.71
26	9.6	0.38	0.69	0.41e	86e	1.4	1.6	238	4.0	7.9	1.1	0.58
27	6.9	0.35	0.51	0.49e	50e	1.3	1.7	133	3.6	6.3	0.52	0.58
28	5.3	0.36	0.45	0.47e	37e	1.3	1.8	103	3.3	4.1	0.85	0.64
29	4.7	0.32	0.37	0.45e	38e	1.2	1.7	51	3.7	3.7	0.69	0.75
30	4.2	0.26	0.33	0.36e	---	1.2	1.5	939	5.1	2.8	1.1	0.71
31	3.3	---	0.27	0.36e	---	1.5	---	1030	---	1.8	1.3	---
TOTAL	1288.91	46.25	37.9	11.29	495.79	201.9	95.06	3143.33	18610.3	1117.94	79.66	20.25
MEAN	41.6	1.5	1.2	0.36	17.1	6.5	3.2	101.5	620.0	36.0	2.6	0.68
MAX	160	2.8	2.0	0.56	149	45	12	1030	5020	248	10	1.3
MIN	0.08	0.26	0.27	0.21	0.12	1.2	0.64	0.32	3.3	0.44	0.52	0.17
AC-FT	2557	92	75	22	983	400	189	6235	36910	2217	158	40
CAL YEAR 2007	TOTAL		10925	MEAN	29.9	MAX	1940	MIN	0.000	AC-FT	21670	
WTR YEAR 2008	TOTAL		25149	MEAN	68.7	MAX	5020	MIN	0.080	AC-FT	49880	

e indicates estimated discharge.

LINCOLN CREEK near Seward, 06880000

LOCATION.--NWL/4NE1/4 Sec. 24-11-2 E., Seward County, Lat. 40° 54' 57", Long. 97° 08' 43", on left bank at downstream side of county road bridge, 2 miles west of Seward, and 3.8 miles upstream from the mouth.

DRAINAGE AREA.--438 square miles.

GAGE.--Continuous stage recorder. Gage datum is 1,429.27 feet above sea level.

PERIOD OF RECORD.--1953 - 1973, March 1974 - present. Month discharge only for some periods, published in USGS WSP 1730.

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1994. Records are fair except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 10,100 cubic feet per second June 17, 1957, gage height 20.53 feet; minimum daily discharge 1.3 cubic feet per second July 31, 1955.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,510 cubic feet per second June 7, gage height 17.61 feet; minimum daily discharge 9.8 cubic feet per second estimated December 9.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	15	25	14	12e	20e	237e	18	21	317	52	56e	20
2	16	24	14	12e	20e	179e	18	21	239	48	57e	20
3	17	23	16	13e	20e	71e	18	21	192	46	55e	22
4	17	23	13	14e	20e	30e	18	20	231	44	50e	22
5	19	22	13	15e	19e	27e	17	20	797	48	46e	21
6	26	21	12e	15e	15e	24e	17	20	1250	118	39e	21
7	46	21	12e	16e	14e	19e	17	21	1390	193	36	33
8	40	21	11e	16e	18e	19e	17	20	1320	91	33	32
9	108	20	9.8e	15e	17e	18e	17	20	1430	65	32	30
10	84	20	11e	15e	12e	18e	19	23	1260	68	34	23
11	49	19	12e	14e	12e	18	24	29	1040	53	32	26
12	68	19	12e	13e	14e	18	23	25	944	51	36	43
13	62	18	13e	14e	19e	18	23	24	738	46	32	23
14	68	17	11e	13e	20e	18	23	24	544	45	29	20
15	216	17	13e	14e	22e	18	25	23	109	44	30	18
16	220	16	13e	13e	28e	18	30	22	71	471	31	16
17	293	16	13e	13e	29e	18	33	24	60	932e	31	16
18	381	16	14e	13e	29e	18	45	24	58	994e	28	18
19	542	15	15e	13e	29e	18	39	24	52	878e	26	19
20	310	15	14e	12e	23e	18	31	23	47	655e	26	19
21	102	15	14e	12e	18e	18	28	22	46	379e	24	19
22	103	13e	14e	13e	26e	18	26	22	55	193e	23	19
23	83	15e	13e	12e	39e	18	25	204	53	101e	23	19
24	60	15	15e	13e	63e	17	26	128	84	70e	26	19
25	47	15	15e	14e	98e	17	31	183	123	64e	25	19
26	40	15	15e	14e	108e	17	27	195	66	63e	25	20
27	35	15	13e	18e	113e	17	25	211	70	61e	24	20
28	31	14	14e	20e	117e	17	23	284	55	59e	23	20
29	29	14	13e	24e	174e	18	22	197	55	58e	22	21
30	28	15	12e	19e	---	18	22	316	52	56e	19	21
31	26	---	13e	18e	---	18	---	390	---	56e	19	---
TOTAL	3181	534	406.8	452	1156	1015	727	2601	12748	6102	992	659
MEAN	102.6	17.7	13.1	14.6	39.8	32.8	24.2	84.1	425.2	196.8	32.0	21.9
MAX	542	25	16	24	174	237	45	390	1430	994	57	43
MIN	15	13	9.8	12	12	17	17	20	46	44	19	16
AC-FT	6309	1059	807	897	2293	2013	1442	5159	25290	12100	1968	1307
CAL YEAR 2007	TOTAL		20106	MEAN	55.1	MAX	1320	MIN	7.0	AC-FT	39880	
WTR YEAR 2008	TOTAL		30574	MEAN	83.5	MAX	1430	MIN	9.8	AC-FT	60640	

e indicates estimated discharge.

## BIG BLUE RIVER BASIN

## BIG BLUE RIVER at Seward, 06880500

LOCATION.--SE1/4SW1/4 Sec. 20-11-3 E., Seward County, Lat. 40° 54' 10", Long. 97° 06' 40", at downstream end of right abutment of bridge on U.S. Highway 34 at west edge of Seward, 1.7 miles upstream of Plum Creek, and 0.2 mile downstream from Lincoln Creek.

DRAINAGE AREA.--1,107 square miles.

GAGE.--Continuous stage recorder. Gage datum is 1,421.49 feet above sea level.

PERIOD OF RECORD.--1954 - present. Monthly discharge only for some periods, published in WSP 1730.

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1994. Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 15,300 cubic feet per second June 18, 1957, gage height 22.34 feet; no flow July 30-31, 1955.

EXTREMES FOR CURRENT YEAR.--Peak discharge 12,700 cubic feet per second July 7, gage height 22.15 feet; minimum daily discharge 18 cubic feet per second estimated January 19.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	26	65	33e	24e	31e	701e	68	87	2240	59	67	28
2	26	61	34e	20e	33e	832e	72	86	2280	56	61	35
3	25	59	34	22e	35e	741e	81	82	1800	53	60	39
4	24	55	42	21e	35e	345e	82	80	798	50	62	39
5	24	53	41e	22e	33e	148e	82	84	1520	51	62	38
6	151	51	32e	24e	33e	107e	82	85	6640	86	56	39
7	135	51	31e	24e	34e	93e	77	88	10100	167	51	56
8	99	49	32e	25e	37e	86e	73	76	7250	176	50	58
9	179	49	29e	25e	37e	80e	73	81	6160	90	50	58
10	219	47	35e	25e	34e	78e	85	88	4500	76	51	42
11	152	47	43e	26e	31e	76	105	108	3080	60	48	44
12	132	46	43e	23e	28e	72	142	133	2450	66	56	79
13	110	45	46e	25e	33e	71	135	119	1530	45	64	58
14	115	43	41e	24e	36e	71	117	101	722	37	60	50
15	499	42	38e	25e	34e	68	107	86	250	34	57	41
16	419	40	36e	26e	33e	66	112	77	319	557	52	35
17	424	39	38e	25e	37e	64	128	75	263	986	50	32
18	519	37	38e	22e	33e	63	164	71	159	2220	43	32
19	636	36	32e	18e	34e	66	187	67	127	2000	40	32
20	503	38	31e	19e	29e	69	181	63	110	1460	37	28
21	267	37	32e	20e	30e	66	158	58	96	462	34	26
22	216	37	34e	20e	36e	66	142	55	89	282	32	24
23	188	34	32e	23e	39e	64	128	343	80	197	35	25
24	167	35	32e	23e	64e	62	119	386	183	158	42	27
25	135	35	31	25e	207e	61	124	446	324	128	40	28
26	112	36	30e	27e	411e	60	117	573	99	107	40	29
27	98	36	26e	27e	461e	61	114	607	95	94	40	27
28	88	36	26e	30e	478e	60	104	518	84	89	33	27
29	80	33	27e	60e	512e	61	98	391	76	85	28	28
30	74	30e	25e	54e	---	62	93	545	66	77	25	27
31	69	---	26e	32e	---	70	---	1350	---	70	25	---
TOTAL	5911	1302	1050	806	2908	4590	3350	7009	53490	10078	1451	1131
MEAN	190.7	43.5	33.9	26.0	100.3	148.1	111.6	226.1	1784	325.3	46.8	37.7
MAX	636	65	46	60	512	832	187	1350	10100	2220	67	79
MIN	24	30	25	18	28	60	68	55	66	34	25	24
AC-FT	11720	2582	2083	1599	5768	9104	6645	13900	106100	19990	2878	2243
CAL YEAR 2007	TOTAL		42374	MEAN	116.1	MAX	2100	MIN	7.8	AC-FT	84050	
WTR YEAR 2008	TOTAL		93076	MEAN	254.3	MAX	10100	MIN	18.0	AC-FT	184600	

e indicates estimated discharge.

**TURKEY CREEK near Wilber, 06881200**

LOCATION.--NE1/4NE1/4 Sec. 19-6-4 E., Saline County, Lat. 40° 28' 48", Long. 97° 00' 43", on left bank near downstream side of bridge on State Highway 41, 2.8 miles west of Wilber.

DRAINAGE AREA.--461 square miles.

GAGE.--Continuous stage recorder. Gage datum 1322.00 feet above sea level.

PERIOD OF RECORD.--1959 - present

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 33,000 cubic feet per second June 13, 1984, gage height 21.43 feet. No flow September 20, 21, 24, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharge 3,060 cubic feet per second July 7, gage height 15.05 feet; minimum daily discharge 5 cubic feet per second estimated January 19 & 24.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	50	25	7.9e	6.1e	55e	53e	18	28	174	56	55	9.6
2	50	24	8.9e	5.9e	56e	55e	21	29	145	45	50	10
3	112	22	8.7e	5.8e	54e	57e	22	31	166	39	49	38
4	66	21	9.7	6.2e	51e	54e	23	32	462	37	47	61
5	66	19	9.0	6.6e	44e	50e	22	33	1200	82	42	103
6	209	18	8.7e	7.0e	28e	44e	20	36	2120	935	41	81
7	238	17	7.6e	7.4e	27e	40e	19	66	2220	2310	40	35
8	625	15	7.2e	7.4e	28e	35e	19	64	1630	311	37	25
9	272	14	7.1e	7.9e	27e	31e	19	104	813	323	35	23
10	112	13	5.8e	7.9e	23e	29e	21	76	599	145	34	20
11	151	12	5.8e	8.4e	18e	27e	29	65	472	952	387	29
12	95	11	6.0e	8.3e	15e	26	32	66	641	894	690	131
13	85	10	6.7e	8.2e	18e	25	37	70	518	269	613	152
14	86	9.8	6.7e	7.2e	23e	23	36	67	319	140	270	99
15	62	9.3	6.1e	7.8e	17e	22	32	62	194	99	122	56
16	81	9.2	5.0e	7.8e	18e	21	27	61	138	1630	74	36
17	381	9.2	4.9e	6.5e	22e	20	28	61	123	1540	52	24
18	497	9.0	5.2e	5.7e	25e	18	42	62	116	1520	43	18
19	596	9.2	6.4e	5.0e	29e	17	107	63	115	1170	34	15
20	622	8.9	6.9e	5.3e	18e	17	123	64	121	697	29	13
21	478	8.4e	6.8e	5.5e	15e	18	72	66	116	296	25	12
22	271	7.8e	6.8e	5.3e	19e	17	48	70	217	181	21	11
23	136	7.2e	5.8e	5.5e	26e	17	37	127	374	133	18	11
24	87	7.4e	6.5e	5.0e	33e	16	32	312	564	106	17	11
25	67	7.4e	6.8e	5.5e	35e	16	29	416	899	90	15	10
26	53	8.5	7.5e	7.8e	36e	16	28	358	515	80	14	9.7
27	47	8.5	7.2e	12e	37e	17	27	203	381	72	13	9.4
28	41	8.6	6.6e	24e	39e	17	26	164	297	68	12	9.4
29	35	8.2	6.1e	54e	48e	16	26	141	186	63	11	9.5
30	30e	7.3e	6.2e	60e	---	16	27	133	106	60	10	9.5
31	27	---	6.3e	57e	---	17	---	132	---	56	9.2	---
TOTAL	5728	364.9	212.9	380	884	847	1049	3262	15941	14399	2909.2	1081.1
MEAN	184.8	12.2	6.9	12.3	30.5	27.3	34.9	105.2	531.4	464.5	93.8	36.0
MAX	625	25	9.7	60	56	57	123	416	2220	2310	690	152
MIN	27	7.2	4.9	5.0	15	16	18	28	106	37	9.2	9.4
AC-FT	11360	724	422	754	1753	1680	2081	6470	31620	28560	5770	2144
CAL YEAR 2007 TOTAL			37373	MEAN	102.4	MAX	4030	MIN	0.37	AC-FT	74130	
WTR YEAR 2008 TOTAL			47058	MEAN	128.6	MAX	2310	MIN	4.9	AC-FT	93340	

e indicates estimated discharge.

## BIG BLUE RIVER BASIN

## BIG BLUE RIVER at Beatrice, 06881500

LOCATION.--SW1/4NW1/4 Sec. 3-3-6 E., Gage County, Lat. 40° 15' 22", Long. 96° 44' 47", at the left upstream side of U.S. Highway 77 bridge, which is 6th street in Beatrice.

DRAINAGE AREA.--3,900 square miles, approximately 3,830 square miles contributes to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is 1,219.90 feet above mean sea level.

PERIOD OF RECORD.--1910 - 1915, (Month discharge only for some periods, published in WSP 1310). 1954, 1960 - 1965, 1967 - 1969, 1971 - 1974 (discharge measurements only), 1974 - present. Gage height records collected 1905 - 1910, 1916 - 1974, are in reports of U.S. Weather Bureau.

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1994. Records are fair to good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 55,100 cubic feet per second June 14, 1984, gage height 31.27 feet; minimum daily discharge 20 cubic feet per second August 15, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharge 14,200 cubic feet per second June 6, gage height 21.25 feet; minimum daily discharge 140 cubic feet per second October 3.

## DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	151	192	264	184e	1430e	1050e	387	403	2930	965	512	226
2	142	183	267	183e	1050e	1330e	358	405	3030	791	457	239
3	140	182	261	196e	904e	1750e	387	394	3190	684	402	261
4	205	176	254	201e	710e	1860e	376	379	3580	598	367	423
5	230	184	259	205e	484e	1580e	365	362	6470	532	366	372
6	234	192	253e	204e	365e	900e	373	359	12100	1650	352	394
7	318	195	240e	204e	352e	634e	397	1560	12300e	4320	309	351
8	2030	199	229e	210e	367e	559e	382	2020	9130	4490	297	313
9	3900	209	225e	214e	441e	431e	345	1340	8450	1680	298	317
10	1570	219	205e	211e	391e	408	413	1010	8390	1440	292	320
11	905	228	191e	224e	335e	379	740	1010	9350	2010	291	292
12	736	244	195e	218e	318e	368	600	807	9490	1840	703	348
13	790	267	200e	214e	314e	353	563	808	8860	1740	1090	1090
14	1090	274	207e	202e	279e	350	556	669	7660	1770	1100	894
15	3110	269	192e	211e	278e	354	567	594	4790	1920	974	600
16	679	260	192e	195e	272e	348	497	523	2500	1930	705	423
17	1780	257	191e	189e	267e	348	527	485	1570	6480	510	340
18	4370	257	206e	179e	267e	340	822	435	1420	10700	410	313
19	4240	245	229e	178e	291e	327	1950	393	1400	9160	351	295
20	4180	250	236e	188e	280e	327	1950	367	1280	7180	317	262
21	4110	253	237e	195e	276e	354	1480	348	1270	6210	279	234
22	2780	255	236e	196e	284e	371	1060	363	1000	4410	264	227
23	1890	245	213e	195e	300e	355	920	1160	1030	3170	265	210
24	1250	240	217e	201e	311e	329	771	3110	1100	3270	273	210
25	772	239	232e	215e	321e	313	1820	3520	3860	2820	275	635
26	505	241	200e	228e	372e	307	920	3220	5170	1920	286	413
27	354	246	194e	238e	465e	316	601	3220	4420	1240	288	276
28	280	244	195e	349e	630e	318	505	2330	2700	930	293	192
29	230	243	197e	862e	1010e	324	461	2030	1630	781	297	172
30	197	240	199e	1300e	---	314	425	5570	1190	672	274	173
31	191	---	207e	1460e	---	397	---	4620	---	580	245	---
TOTAL	43359	6928	6823	9449	13364	17694	21518	43814	141260	87883	13142	10815
MEAN	1399	231.0	220.1	304.8	461.0	571.0	717.0	1413	4706	2835	424.0	360.3
MAX	4370	274	267	1460	1430	1860	1950	5570	12300	10700	1100	1090
MIN	140	176	191	178	267	307	345	348	1000	532	245	172
AC-FT	86000	13740	13530	18740	26510	35100	42680	86900	280200	174300	26070	21450
CAL YEAR 2007	TOTAL		314145	MEAN	860.7	MAX	17300	MIN	85.0	AC-FT	623100	
WTR YEAR 2008	TOTAL		416049	MEAN	1137	MAX	12300	MIN	140.0	AC-FT	825200	

e indicates estimated discharge.

**BIG SANDY CREEK at Alexandria, 06883940**

LOCATION.--SE1/4SE1/4 Sec. 11-3-1 W., Thayer County, Lat. 40° 14' 06", Long. 97° 23' 20", on right bank downstream from State Highway 53 bridge, 0.8 mile south of Alexandria.

DRAINAGE AREA.--607 square miles.

GAGE.--Continuous stage recorder. Gage datum is 1,390.55 feet above mean sea level.

PERIOD OF RECORD.--1979 - present

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1993. Records are good up to June 1, fair for the rest of the year.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 21,900 cubic feet per second June 13, 1984, gage height 16.71 ft; minimum daily discharge 2.4 cubic feet per second September 11-12, 1996.

EXTREMES FOR CURRENT YEAR.--Peak discharge 5,730 cubic feet per second June 5, gage height 13.84 feet; minimum daily discharge 14 cubic feet per second January 14, 21, 22, 24 - 26.

DISCHARGE ( CFS ), WATER YEAR 2008

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	27	21	21	16	135	41	18	27	149	23	57	24
2	64	20	19	16	78	54	18	28	95	21	58	28
3	109	21	17	16	57	54	19	26	67	21	55	209
4	54	20	18	16	55	44	18	23	181	21	50	108
5	75	19	17	16	60	53	18	23	2990	32	44	71
6	448	19	19	15	40	37	17	23	1030	25	43	49
7	267	19	18	16	40	35	18	43	570	24	46	36
8	133	19	18	15	37	28	17	99	184	27	54	231
9	91	19	18	15	37	28	17	67	105	36	720	466
10	74	20	18	15	39	28	25	49	72	34	1680	168
11	56	18	17	16	44	26	65	45	59	37	876	109
12	43	18	18	15	34	24	61	35	263	49	531	406
13	52	19	18	15	30	22	48	29	82	56	317	133
14	32	19	18	14	37	21	37	26	69	39	190	91
15	234	19	18	15	46	20	29	25	56	34	140	67
16	405	20	18	15	41	19	27	26	44	701	119	53
17	560	20	18	15	38	20	44	39	35	1040	97	43
18	314	20	18	15	38	18	377	36	34	1090	79	36
19	422	19	19	15	38	18	274	33	30	729	64	32
20	366	20	19	15	34	18	153	29	27	333	54	29
21	238	19	19	14	32	18	93	27	23	168	45	26
22	157	18	18	14	31	18	90	53	22	131	38	25
23	117	19	18	15	29	18	91	605	19	119	39	25
24	75	18	18	14	31	18	76	591	18	98	38	24
25	54	18	17	14	36	18	123	340	45	78	37	22
26	40	18	18	14	32	19	59	419	28	61	34	21
27	29	18	18	15	34	18	47	203	63	52	29	21
28	26	17	17	370	41	18	38	133	38	47	29	21
29	23	17	17	747	37	18	32	125	28	43	28	20
30	22	17	17	156	---	18	29	1950	24	47	29	21
31	22	---	16	136	---	24	---	466	---	54	26	---
TOTAL	4629	568	557	1815	1261	813	1978	5643	6450	5270	5646	2615
MEAN	149.2	18.9	17.9	58.5	43.5	26.3	65.9	182.2	215.2	170.1	182.0	87.1
MAX	560	21	21	747	135	54	377	1950	2990	1090	1680	466
MIN	22	17	16	14	29	18	17	23	18	21	26	20
AC-FT	9181	1127	1105	3600	2501	1613	3923	11190	12790	10450	11200	5187
CAL YEAR 2007	TOTAL		45094	MEAN	123.5	MAX	5720	MIN	7.8	AC-FT	89440	
WTR YEAR 2008	TOTAL		37245	MEAN	101.8	MAX	2990	MIN	14.0	AC-FT	73870	

**2008**

**REVISED RECORDS FROM  
PREVIOUS YEARS**

**PLATTE RIVER BASIN  
( Loup River )**

**LOUP RIVER POWER CANAL RETURN at Columbus, 00082100**

LOCATION.--SEL/4SW1/4 Sec. 23-17-1 E., Platte County, Lat. 41° 25' 27", Long. 97° 16' 56", on the left bank 50 feet upstream from the 8th Street bridge over the power canal return near the southeast edge of Columbus, Nebraska.

GAGE.--Continuous stage recorder. Gage datum is 1,400.91 feet above sea level.

PERIOD OF RECORD.--October 1, 2002 - present

REMARKS.--Records are good except estimated records and records below 200 cubic feet per second are poor, and records between 200 and 1,200 cubic feet per second are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharge 5,990 cubic feet per second April 26, gage height 13.10 feet; minimum daily discharge 52 cubic feet per second January 14.

DISCHARGE ( CFS ), WATER YEAR 2007

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2290	2140	355e	67	1840	1660	2610	1780	2600e	1510	1640	1750
2	1980	2040	268e	219	1630	906	2910	1630	2490	1410	1890	1990
3	2170	1810	211e	373	1370	730	2460	1590	2540	1990	895	1720
4	2240	1950	253e	857	1340	474	2430	1720	2140	1050	1430	1580
5	2040	1570	528e	1020	1340	1270	2410	1700	1560	1290	1190	1720
6	2200	1970	916e	447	1230	2160	2960	1790	1870	1060	1340	1730
7	1890	1580	83	882	1290	2240	1700	2740	1650	1120	1910	1550
8	2230	1650	225	645	1420	2250	2760	1930	1520	1200	2740	1800
9	2090	1600	120	479	1840	2540	2640	2230	1800	1540	2550	1510
10	1850	1980	1110	634	1820	2510	2030	2330	2020	1340	2820	2110
11	1830	1660	830	576	1960	2580	1910	725	1530	1910	2300	2710
12	1840	1870	1390	123	2030	1840	2210	2000	1370	1280	1060	2390
13	2020	1960	624	58	2150	2910	1950	827	2450	1610	2520	2360
14	2190	1580	1570	52	1830	2850	1830	1120	2640	1570	2520	2150
15	2380	2120	1530	120	1880	2790	1990	1800	2690	1080	2380	2050
16	2180	1870	1420	240	2180	2940	1640	1260	2870	1010	1850	2180
17	2100	2780	1540	415	2060	2570	1640	1140	2280	1120	1440	2290
18	2030	2250	1070	631	2010	1880	1870	1560	2330	1140	1530	2130
19	2510	2320	388	949	2200	1100	1710	1860	1910	1200	1640	2230
20	2220	1870	1150	1580	2280	900	2060	1500	2200	1480	1600	2200
21	2330	2370	1200	1190	2290e	1850	1860	1480	2050	1860	1680	1990
22	2470	2390	1550	1670	2420e	2440	2310	1180	1740	1680	1660	2010
23	2390	1740	556	1830	2230e	2940	2050	1900	1810	1450	2370	2290
24	2700	2110	692	1960	2090	2140	2520	1950	1610	924	2460	1600
25	2040	2390	766	1900	2000	2760	2830	1760	1440	939	2330	1590
26	2150	2350	110	1520	2120	2400	2920	1870	1800	1170	2260	1920
27	2430	2130	808	1380	1810	2420	2240	1680	1950	782	2290	2180
28	1800	2560	887	1890	1940	2570	2380	1770	1530	1180	2030	2070
29	2340	412	1540	1810		2800	2150	1890	1220	1250	2910	2090
30	1970	80	1770	1900		2140	2280	2000e	1470	1810	1310	2230
31	1960	---	213	1790		3360	---	2500e	---	1400	1930	---
TOTAL	66860	57102	25673	29207	52600	66920	67260	53212	59080	41355	60475	60120
MEAN	2156	1904	828.1	941.5	1879	2158	2242	1717	1970	1333	1950	2004
MAX	2700	2780	1770	1960	2420	3360	2960	2740	2870	1990	2910	2710
MIN	1800	80	83	52	1230	474	1640	725	1220	782	895	1510
AC-FT	132600	113300	50920	57930	104300	132700	133400	105500	117200	82030	120000	119200
CAL YEAR 2006	TOTAL		537592	MEAN	1473	MAX	2970	MIN	46.0	AC-FT	1066000	
WTR YEAR 2007	TOTAL		639864	MEAN	1753	MAX	3360	MIN	52.0	AC-FT	1269000	

e indicates estimated discharge.



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