


1999

HYDROGRAPHIC REPORT

STATE OF NEBRASKA

DEPARTMENT OF WATER RESOURCES



STATE OF NEBRASKA

DEPARTMENT OF WATER RESOURCES

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

1999

**Prepared Under the Direction of Roger Patterson, Director
Department of Water Resources**

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HYDROGRAPHIC REPORT

1999

INTRODUCTION and EXPLANATION OF DATA

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

The Water Resources Data for Nebraska, published by the U. S. Geological Survey, includes stream and river data for gaging stations operated by the U. S. Geological Survey or its cooperators, including the Department of Water Resources. Copies can be obtained by contacting the District Chief, U. S. Geological Survey, Room 406, Federal Building and U. S. Courthouse, Lincoln, Nebraska 68508. These data are not published in this report.

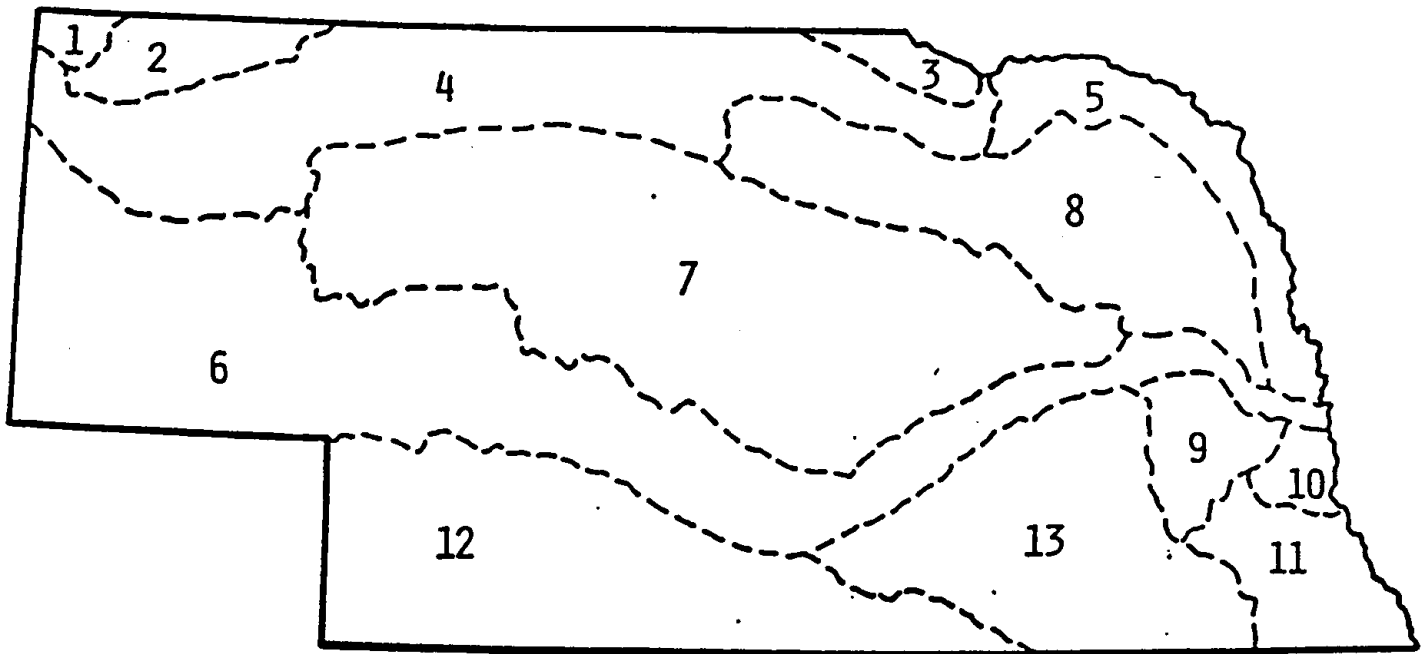
The Hydrographic Report for water year 1999 provides a record of stream flow, reservoir storage, and diversions for irrigation and power in Nebraska for gages operated by the Nebraska Department of Water Resources according to statutory authority granted under Statutes 46-212, 46-213, 46-227, 46-256, and 46-261. This report also includes some records for gages operated by other agencies besides the Department of Water Resources and U.S. Geological Survey. These sites 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

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 g linderman@dnr.state.ne.us. Questions or comments can be directed to Guy H. Lindeman at this address or call (402) 471-2363.

Records from this and previous years publications are also provided to the Nebraska Department of Natural Resources computerized Data Bank. This information can be obtained by contacting the Data Bank Administrator, Nebraska Department of Natural Resources, PO Box 94676, Lincoln, Nebraska 68509-4676. For E-mail requests, use mbansal@dnr.state.ne.us. A stream gage station list is available on the Internet at the Department of Natural Resources home page address www.dnr.state.ne.us.



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 Tributaries (Niobrara to Platte)
6. Platte River
7. Loup River
8. Elkhorn River
9. Salt Creek
10. Missouri River Tributaries (Platte to Nemaha)
11. Nemaha Rivers
12. Republican River
13. Blue Rivers

1999

HYDROGRAPHIC REPORT

WHITE RIVER BASIN

WHITE RIVER at Crawford, 06444000 - 1999

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 good except for estimated records, which 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 2.7 cubic feet per second August 13, 31, September 1, 1960.

EXTREMES FOR CURRENT YEAR.--Peak discharge 95 cubic feet per second June 11, gage height 3.74 feet; minimum daily discharge 12 cubic feet per second August 26.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	21	21	24E	25	23	23	26	24	33	23	13
2	17	22	22	22E	24	24	24	25	22	27	21	22
3	17	26	22	21E	24	23	24	25	29	39	18	24
4	25	24	22	22E	23	24	24	26	22	38	17	25
5	40	24	21	23E	22	24	23	25	21	25	17	21
6	29	24	21	24	22	24	22	23	23	23	17	18
7	21	24	20E	22	22	23	21	23	22	22	17	17
8	20	23	21E	22	23	24	25	22	20	20	17	16
9	19	24	22	22	22	23	29	23	19	20	15	17
10	19	22	20	23	23	24	41	28	20	19	15	16
11	20	21	21	23	21	23	33	27	53	19	14	16
12	19	22	21	24E	20	23	26	24	27	18	14	16
13	19	22	21	24	23	24	24	23	26	17	15	16
14	19	23	22	23	23	25	25	25	25	17	14	16
15	19	23	21	24	22	24	25	28	47	18	14	16
16	20	23	22	24	22	24	24	28	34	16	13	16
17	22	22	22	22	22	23	23	25	28	19	13	15
18	21	22	22	21	23	22	24	24	27	19	14	15
19	20	22	18E	22	22	22	23	23	25	21	14	16
20	19	22	19E	22	22	23	23	23	25	49	13	17
21	19	22	20E	23	22	23	27	22	24	25	13	17
22	19	22	21E	22	22	24	28	23	24	20	15	16
23	19	22	21E	22	22	24	31	22	38	18	15	16
24	20	22	21E	22	22	22	26	21	26	16	14	16
25	20	21	20E	22	22	22	29	21	24	16	13	15
26	20	21	20E	22	22	22	31	21	25	16	12	15
27	20	22	21	23	22	22	27	23	30	15	13	16
28	24	22	23	23	23	23	27	23	30	15	15	17
29	24	23	23	22	-----	22	26	21	26	14	14	17
30	22	21	24	23	-----	22	26	21	28	14	14	17
31	22	-----	24	24	-----	22	-----	22	-----	15	-----	-----
TOTAL	649	674	659	702	627	717	784	736	814	663	466	510
MEAN	20.9	22.5	21.3	22.6	22.4	23.1	26.1	23.7	27.1	21.4	15.0	17.0
MAX	40	26	24	24	25	25	41	28	53	49	23	25
MIN	15	21	18	21	20	22	21	21	19	14	12	13
AC-FT	1,290	1,340	1,310	1,390	1,240	1,420	1,560	1,460	1,610	1,320	924	1,010
CAL YEAR 1998 TOTAL		7,567	MEAN	20.7	MAX	45	MIN	11	AC-FT	15,010		
WTR YEAR 1999 TOTAL		8,001	MEAN	21.9	MAX	53	MIN	12	AC-FT	15,870		

E indicates estimated discharge.

NIOBRARA RIVER BASIN

NIOBRARA RIVER at Wyoming-Nebraska State Line, 06454000 - 1999

LOCATION.--NE1/4NE1/4 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.

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 9.9 cubic feet per second April 28, gage height 2.37 feet; maximum gage height from a high water mark, 2.64 feet, unknown date; minimum daily discharge 1.4 cubic feet per second September 15, 16.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	3.5	3.8	4.3	4.2	4.7	5.3	7.7	4.1E	4.4E	2.8E	1.6
2	2.0	3.6	3.8	3.5	4.1	4.6	5.3	7.2	4.1E	4.0E	2.8E	2.6
3	2.2	4.3	3.9	3.9E	4.1	4.5	5.6	7.1	4.5E	3.8E	2.6E	3.6
4	3.3	4.4	4.0	3.5	4.2	4.6	5.5	6.7	4.6E	3.4E	2.6E	4.2
5	6.0	4.2	4.0	4.0	4.3	4.6	6.0	6.1	4.8E	3.0E	2.6E	2.8
6	5.3	4.3	3.8	4.0	4.4	4.6	5.5	5.5	5.0E	2.5E	2.5E	2.4
7	3.1	4.3	3.7	4.0	4.4	4.6	5.4	5.0	5.0E	2.5E	2.5E	2.3
8	2.9	4.3	3.7E	3.9	4.7	4.7	6.6	4.9	5.0E	2.5E	2.5E	2.2
9	2.7	4.7	3.7E	3.6	4.5	4.7	6.5	4.9	5.0E	2.5E	2.5E	1.9
10	2.8	5.1	3.7	3.7	4.7	4.8	8.3	5.3	5.1E	2.4E	2.2	1.9
11	2.7	3.4	3.8	4.0	3.9	4.7	7.1	5.1	5.1E	2.4E	2.1	1.8
12	2.6	3.5	4.0	4.2	4.1	4.7	6.1	4.9	5.2E	2.4E	1.9	1.8
13	2.6	3.9	4.2	4.2	4.2	4.8	7.5	5.0	5.2E	2.5E	1.9	2.5
14	2.6	4.2	4.4	4.1	4.5	4.9	7.1	5.5	5.2E	2.4E	1.8	2.5
15	2.6	4.7	4.4	4.2	4.5	4.9	7.2	5.6	5.2E	2.4E	1.7	2.6
16	3.1	4.9	5.1	4.3	4.5	5.0	7.1	5.4	6.0E	2.5E	1.6	2.6
17	4.3	4.5	4.3	4.2	4.5	4.7	7.2	5.1	6.2E	3.5E	1.6	2.6
18	3.8	4.3	4.0	4.0	5.1	4.6	6.8	4.9	6.4E	4.0E	1.6	2.5
19	3.3	4.0	4.1E	4.1	4.8	4.2	6.5	4.7	6.6E	4.5E	1.6	2.4
20	3.2	3.8	4.2E	4.1	4.5	6.0	6.2	4.5	6.6E	5.0E	1.6	2.5
21	3.2	3.9	4.2	4.2	4.1	7.5	8.1	4.3	6.8E	6.0E	1.6	2.6
22	3.2	4.0	4.2	4.2	4.4	6.7	7.6	4.3	6.8E	5.0E	1.7	2.5
23	3.3	4.0	4.1	4.2	4.3	5.4	7.8	4.0	6.4E	4.0E	1.6	2.4
24	3.2	3.9	4.0	4.1	4.8	5.5	6.9	3.9	6.4E	3.5E	1.5	2.3
25	3.1	3.8	4.2	4.1	3.9	5.7	7.6	3.9	6.2E	3.0E	1.5	2.2
26	3.0	3.8	4.4	4.3	4.5	5.6	7.7	4.0	6.0E	2.6E	1.4	2.2
27	3.1	3.8E	4.5	4.2	4.5	5.6	7.7	4.0	6.0E	2.3E	1.6	2.3
28	4.9	3.7E	4.5	4.0	4.5	5.4	8.4	4.1	5.2E	2.3E	1.7	2.7
29	4.1	3.7	4.3	3.9	-----	5.1	7.3	4.0	5.0E	3.0E	1.7	2.8
30	3.5	3.7	4.8	3.9	-----	5.1	7.5	3.9	4.8E	3.0E	1.6	2.8
31	3.4	-----	4.5	4.1	-----	5.1	-----	4.1	-----	3.0E	1.5	-----
TOTAL	100.9	122.2	128.3	125.0	123.2	157.6	205.4	155.6	164.5	100.3	60.4	74.1
MEAN	3.25	4.07	4.14	4.03	4.40	5.08	6.85	5.02	5.48	3.24	1.95	2.47
MAX	6.0	5.1	5.1	4.3	5.1	7.5	8.4	7.7	6.8	6.0	2.8	4.2
MIN	1.8	3.4	3.7	3.5	3.9	4.2	5.3	3.9	4.1	2.3	1.4	1.6
AC-FT	200	242	254	248	244	313	407	309	326	199	120	147
CAL YEAR 1998 TOTAL		1,405.0	MEAN	3.85	MAX	9.5	MIN	1.6	AC-FT	2,790		
WTR YEAR 1999 TOTAL		1,517.5	MEAN	4.16	MAX	8.4	MIN	1.4	AC-FT	3,010		

E indicates estimated Discharge.

NIOBRARA RIVER BASIN

JOHNSON CANAL from Niobrara River, 00072000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0		6.0	.88	.83	0	0
2	0	0	0	0	0	0		5.3	.90	.76	0	0
3	0	0	0	0	0	0		2.4	.79	.72	0	0
4	0	0	0	0	0	0		2.5	.87	.64	0	0
5	0	0	0	0	0	0		2.2	.89	.58	0	0
6	0	0	0	0	0	0		2.0	.78	.64	0	0
7	0	0	0	0	0	0		1.9	.79	.61	0	0
8	0	0	0	0	0	0		1.6	.82	.68	0	0
9	0	0	0	0	0	0		1.6	.86	.72	0	0
10	0	0	0	0	0	0		1.8	.86	.67	0	0
11	0	0	0	0	0	0		2.1	.98	.50	0	0
12	0	0	0	0	0	0		2.1	1.0	0	0	0
13	0	0	0	0	0	0		1.8	1.7	0	0	0
14	0	0	0	0	0	0		1.8	2.3	0	0	0
15	0	0	0	0	0	0		1.8	3.1	0	0	
16	0	0	0	0	0	0		1.8	2.2	0	0	
17	0	0	0	0	0	0		1.8	1.6	0	0	
18	0	0	0	0	0	0		1.7	1.6	0	0	
19	0	0	0	0	0	0		1.5	1.3	0	0	
20	0	0	0	0	0	0	2.2	1.4	1.1	0	0	
21	0	0	0	0	0	0		2.3	1.3	.85	0	
22	0	0	0	0	0	0	2.5	1.3	.74	0	0	
23	0	0	0	0	0	0		2.7	1.2	.77	0	
24	0	0	0	0	0	0	3.8	1.1	.74	0	0	
25	0	0	0	0	0	0	6.3	.88	.75	0	0	
26	0	0	0	0	0	0	6.6	.73	.83	0	0	
27	0	0	0	0	0	0	6.8	.76	.85	0	0	
28	0	0	0	0	0	0	7.3	.84	.90	0	0	
29	0	0	0	0	-----	0	6.3	.80	.78	0	0	
30	0	0	0	0	-----	0	5.8	.74	.74	0	0	
31	0	-----	0	0	-----	0	-----	.81	-----	0	0	-----
TOTAL	0	0	0	0	0	0	52.6	55.56	33.27	7.35	0	0
MEAN	0	0	0	0	0	0	4.78	1.79	1.11	.24	0	0
MAX	0	0	0	0	0	0	7.3	6.0	3.1	.83	0	0
MIN	0	0	0	0	0	0	2.2	.73	.74	0	0	0
AC-FT	0	0	0	0	0	0	104	110	66	15	0	0
CAL YEAR 1998	MAX	4.9	MIN	0	AC-FT	312						
WTR YEAR 1999	MAX	7.3	MIN	0	AC-FT	295						

NIOBRARA RIVER BASIN

LAKOTAH CANAL from Niobrara River, 00079000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							3.4	1.9	2.9	2.2	1.2	.66
2							3.8	2.2	2.7	2.2	2.0	.81
3							3.8	4.3	2.7	1.9	1.9	1.4
4							4.1	5.4	2.7	1.8	1.8	3.6
5							4.3	4.5	2.4	1.6	1.7	2.8
6							4.0	4.0	2.7	1.5	1.6	2.2
7							3.8	3.8	2.7	1.4	1.5	2.2
8							4.2	3.6	2.4	1.3	1.4	1.5
9							5.2	3.1	2.2	1.2	1.1	1.2
10							5.8	3.5	2.2	1.1	1.1	1.1
11							6.0	4.0	2.7	1.0	1.2	1.1
12							5.5	4.6	3.1	.99	1.2	1.2
13							4.4	3.9	3.3	.98	1.2	1.4
14							.06	3.8	4.2	.95	1.1	1.7
15							.05	4.1	4.8	.92	1.1	1.4
16							0	4.0	4.4	.94	.97	1.5
17							.03	4.1	3.6	1.0	.97	1.5
18							0	3.8	3.4	1.1	.89	1.4
19							0	3.6	3.2	1.1	.83	1.5
20							0	3.5	2.9	1.2	.85	1.9
21							0	3.4	2.8	1.3	.75	2.0
22						2.7	0	3.3	2.7	1.2	.74	1.8
23						2.3	.76	3.1	2.7	1.1	.85	1.7
24						1.7	2.1	3.0	2.7	.95	.81	1.6
25						.52	1.4	2.9	2.7	.83	.80	1.3
26						1.9	2.7	2.6	2.4	.78	.72	1.2
27						3.1	3.0	2.5	2.4	.77	.68	1.4
28						3.4	4.8	2.6	2.4	.56	.67	1.9
29					-----	3.4	3.4	2.7	2.4	.52	.81	1.9
30					-----	3.3	2.3	2.4	2.1	.70	.83	1.7
31		-----			-----	3.2	-----	2.6	-----	.81	.75	-----
TOTAL						25.52	78.90	106.8	86.5	35.90	34.02	48.57
MEAN						2.55	2.63	3.45	2.88	1.16	1.10	1.62
MAX						3.4	6.0	5.4	4.8	2.2	2.0	3.6
MIN						.52	0	1.9	2.1	.52	.67	.66
AC-FT						51	156	212	172	71	67	96
CAL YEAR 1998	MAX	4.1	MIN	0	AC-FT	333						
WTR YEAR 1999	MAX	6.0	MIN	0	AC-FT	826						

NIOBRARA RIVER BASIN

EARNEST CANAL (SOUTH) from Niobrara River, 00038100 - 1999

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8							2.6	2.0	0	0	0
2	1.4							2.6	2.0	0	0	0
3	1.8							2.6	2.0	0	0	0
4	2.1							2.6	2.0	0	0	.58
5	2.2							2.3	1.9	0	0	1.6
6	2.3						1.5	2.1	1.5	0	0	1.5
7	2.3						2.0	1.9	1.4	0	0	1.4
8	2.1						1.8	1.9	.77	0	0	1.2
9	1.9						1.8	1.9	0	0	0	0
10	2.1						1.9	1.9	0	0	0	0
11	2.0						2.0	1.9	0	0	0	0
12	2.0						2.0	1.9	0	0	0	1.2
13	2.0						2.0	1.9	0	0	0	2.0
14	1.8						1.9	2.0	0	0	0	2.0
15	1.7						1.9	2.0	0	0	0	2.1
16	1.6						2.0	2.1	0	0	0	2.1
17	1.8						2.1	2.0	0	0	0	2.1
18	1.8						2.1	1.9	0	0	0	2.3
19	1.8						2.0	1.9	0	0	0	2.3
20	.76						2.1	1.9	0	0	0	2.4
21	0						2.3	1.9	0	0	0	2.6
22							2.7	1.9	0	0	0	2.6
23							2.7	1.9	0	0	0	2.5
24							2.7	2.0	0	0	0	2.4
25							2.8	2.0	0	0	0	2.3
26							2.7	2.0	0	0	0	2.1
27							2.5	2.0	0	0	0	2.1
28							2.5	2.0	0	0	0	2.1
29					-----		2.6	2.0	0	0	0	2.2
30					-----		2.6	2.0	0	0	0	2.2
31		-----			-----		-----	1.8	-----	0	0	-----
TOTAL	37.26						55.2	63.4	13.57	0	0	47.88
MEAN	1.77						2.21	2.05	.45	0	0	1.60
MAX	2.3						2.8	2.6	2.0	0	0	2.6
MIN	0						1.5	1.8	0	0	0	0
AC-FT	74						109	126	27	0	0	95
CAL YEAR 1998	MAX	4.0	MIN	0	AC-FT	274						
WTR YEAR 1999	MAX	2.8	MIN	0	AC-FT	431						

NIOBRARA RIVER BASIN

EARNEST CANAL (NORTH) from Niobrara River, 00038200 - 1999

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.55							0	0	0	0	1.6
2	0							0	0	0	0	1.8
3	0							0	0	0	0	2.0
4	0							0	0	0	0	2.2
5	0							0	.15	0	0	2.2
6	0						.27	0	1.1	0	0	2.2
7	0						.06	0	1.6	0	0	2.1
8							0	0	2.8	0	0	.89
9							0	0	3.7	0	0	.83
10							0	0	3.0	0	0	.68
11							0	0	2.2	0	0	.01
12							0	0	1.9	0	0	0
13							0	0	1.8	0	0	0
14							0	0	1.6	0	0	
15							0	0	1.5	0	0	
16							0	0	1.7	0	0	
17							0	0	1.0	0	0	
18							0	0	0	0	0	
19							0	0	0	0	0	
20							0	0	0	0	0	
21							0	0	0	0	0	
22							0	0	0	0	0	
23							0	0	0	0	0	
24							0	0	0	0	0	
25							0	0	0	0	.07	
26							0	0	0	0	.55	
27							0	0	0	0	.93	
28							0	0	0	0	1.1	
29					-----		0	0	0	0	1.3	
30					-----		0	0	0	0	1.4	
31		-----			-----		-----	0	-----	0	1.5	-----
TOTAL	0.55						0.33	0	24.05	0	6.85	16.51
MEAN	.079						.013	0	.80	0	.22	1.27
MAX	.55						.27	0	3.7	0	1.5	2.2
MIN	0						0	0	0	0	0	0
AC-FT	1.1						.7	0	48	0	14	33
CAL YEAR 1998	MAX	2.9	MIN	0	AC-FT	253						
WTR YEAR 1999	MAX	3.7	MIN	0	AC-FT	96						

NIOBRARA RIVER BASIN

McGINLEY-STOVER CANAL from Niobrara River, 00084000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1								7.3	0	1.1	.52	0	
2								7.3	0	.56	.44	0	
3								7.1	0	.31	.36	0	
4								6.3	0	.27	1.1	0	
5								3.9	0	.23	1.1	0	
6								3.3	0	.18	1.0	0	
7							0	2.4	0	.11	.90		
8							0	2.3	0	.11	.90		
9							0	2.1	0	.10	.90		
10							0	2.0	0	.06	2.6		
11							0	1.9	0	.02	2.5		
12							0	1.8	0	.03	2.0		
13							0	1.7	0	0	1.7		
14							2.0	1.8	0	0	1.7		
15							5.5	1.8	0	0	1.7		
16								5.8	1.5	0	2.1		
17								6.8	1.6	0	2.3		
18								6.7	.85	0	2.0		
19								6.2	1.0	0	.01	1.5	
20								6.2	1.2	1.3	0	.37	
21								6.4	1.1	2.3	0	0	
22								6.3	1.0	2.4	0	0	
23								6.7	1.0	1.9	0	0	
24								6.6	.95	1.6	0	0	
25								6.9	.97	1.5	0	0	
26								7.2	1.0	1.6	0	0	
27								6.9	.99	1.8	.01	0	
28								7.0	.61	1.6	.08	0	
29					-----			7.1	0	1.4	.15	0	
30					-----			7.1	0	1.4	.14	0	
31		-----			-----			0	0	-----	.26	0	
TOTAL								107.4	66.77	18.8	3.73	27.69	0
MEAN								4.48	2.15	.63	.12	.89	0
MAX								7.2	7.3	2.4	1.1	2.6	0
MIN								0	0	0	0	0	0
AC-FT								213	132	37	7.4	55	0
CAL YEAR 1998	MAX	8.3	MIN	0	AC-FT	479							
WTR YEAR 1999	MAX	7.3	MIN	0	AC-FT	445							

NIOBRARA RIVER BASIN

COOK CANAL NO. 1 from Niobrara River, 00029000 - 1999

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

GAGE.--Continuous stage recorder and concrete flume

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

No water diverted in 1999.

CAL YEAR 1998	MAX	1.4	MIN	0	AC-FT	48						
WTR YEAR 1999	MAX	0	MIN	0	AC-FT	0						

NIOBRARA RIVER BASIN

HARRIS-NEECE CANAL from Niobrara River, 00062000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0		0	9.1	7.6	7.8	7.8
2	0	0	0	0	0	0		0	9.3	7.6	8.0	0
3	0	0	0	0	0	0		0	9.8	3.4	8.0	0
4	0	0	0	0	0	0		0	10	0	7.9	0
5	0	0	0	0	0	0		0	10	0	7.9	0
6	0	0	0	0	0	0		0	11	0	7.8	0
7	0	0	0	0	0	0		0	12	0	7.6	
8	0	0	0	0	0	0		0	9.9	0	7.4	
9	0	0	0	0	0	0		11	0	0	7.2	
10	0	0	0	0	0	0		13	0	0	7.2	
11	0	0	0	0	0	0		12	0	0	6.9	
12	0	0	0	0	0	0		11	0	0	5.9	
13	0	0	0	0	0	0		11	0	7.8	5.6	
14	0	0	0	0	0	0		11	0	7.5	5.3	
15	0	0	0	0	0	0		11	0	7.4	5.3	
16	0	0	0	0	0	0		10	0	7.4	5.4	
17	0	0	0	0	0	0		10	0	7.4	5.5	
18	0	0	0	0	0	0		10	0	7.5	5.4	
19	0	0	0	0	0	0		10	0	7.5	5.5	
20	0	0	0	0	0	0		9.8	0	7.9	5.7	
21	0	0	0	0	0	0	0	9.6	0	8.0	6.1	
22	0	0	0	0	0	0	0	9.5	5.2	7.8	6.9	
23	0	0	0	0	0	0	0	9.6	7.2	7.5	7.4	
24	0	0	0	0	0	0	0	9.7	6.6	7.2	7.8	
25	0	0	0	0	0	0	0	9.4	6.4	7.0	7.8	
26	0	0	0	0	0	0	0	9.0	6.3	7.5	7.6	
27	0	0	0	0	0	0	0	8.8	6.6	8.0	7.6	
28	0	0	0	0	0	0	0	8.7	7.0	8.0	7.4	
29	0	0	0	0	-----	0	0	8.5	7.1	7.9	7.3	
30	0	0	0	0	-----	0	0	8.3	7.5	7.6	7.0	
31	0	-----	0	0	-----	0	-----	8.7	-----	7.4	7.0	-----
TOTAL	0	0	0	0	0	0	0	229.6	141.0	162.9	213.2	7.8
MEAN	0	0	0	0	0	0	0	7.41	4.70	5.25	6.88	1.30
MAX	0	0	0	0	0	0	0	13	12	8.0	8.0	7.8
MIN	0	0	0	0	0	0	0	0	0	0	5.3	0
AC-FT	0	0	0	0	0	0	0	455	280	323	423	15
CAL YEAR 1998	MAX	11	MIN	0	AC-FT	1,450						
WTR YEAR 1999	MAX	13	MIN	0	AC-FT	1,500						

NIOBRARA RIVER BASIN

LABELLE CANAL from Niobrara River, 00078000 - 1999

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	.56	.10	0	0
2								0	.53	.11	0	.14
3								0	.60	.17	0	.22
4								0	.57	.17	0	.35
5								0	.51	.24	.01	.35
6								0	.56	.31	.08	.35
7								0	.60	.43	.10E	.29
8								0	.70E	.38	.07E	.22
9								0	.80E	.44	0	.19
10								.30	.90E	.40	0	.21
11								1.4	.94	.42	0	.04
12								1.2	.90	.42	0	0
13								.93	.85	.25	0	0
14								.82	.89	0	0	0
15								.76	.90	0	0	
16								.68	.91	0	0	
17								.78	.89	0	0	
18								.73	.91	0	0	
19								.60	.89	.01	0	
20								.50	.87	.12	0	
21								.47	.78	.16	.04	
22								.41	.70	.14	0	
23								.38	.50	.09	0	
24								.36	.02	.18	0	
25								.32	0	.29	0	
26								.33	0	.23	.09	
27								0	.30	0	.01	.17
28								0	.37	0	0	.04
29					-----			0	.40	0	0	.07
30					-----			0	.40	.13	0	.15
31		-----			-----		-----	.50	-----	0	.14	-----
TOTAL							0	12.94	17.41	5.07	0.96	2.36
MEAN							0	.42	.58	.16	.031	.17
MAX							0	1.4	.94	.44	.17	.35
MIN							0	0	0	0	0	0
AC-FT							0	26	35	10	1.9	4.7
CAL YEAR 1998	MAX	0	MIN	0	AC-FT	0						
WTR YEAR 1999	MAX	1.4	MIN	0	AC-FT	77						

E indicates estimated discharge.

NIOBRARA RIVER BASIN

METTLEN CANAL from Niobrara River, 00089000 - 1999

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									3.0	.03	1.7	0
2									2.6	0	1.9	0
3									3.0	.13	1.8	0
4									2.9	.17	1.8	0
5									.86	.36	1.8	0
6									0	.44	2.4	0
7									.07	.41	2.3	0
8									.01	.22	1.5	0
9									0 E	.11	1.2	0
10									2.0 E	.06	1.1	0
11									4.0	.01	1.0	0
12									3.7	.81	.93	0
13									2.5	3.1	.81	0
14									1.9	1.9	.90	
15									2.3	2.0	.12	
16									2.0	2.5	.07	
17									.71	3.4	.05	
18								1.5	.89	3.5	.63	
19								2.9	.82	3.5	.41	
20								2.9	.76	3.7	.41	
21								2.9	.72	3.6	.60	
22								3.0	.51	3.6	1.1	
23								3.0	.64	1.1	.99	
24								3.3	.03	0	2.2	
25								3.3	0	0	2.1	
26								3.4	0	0	2.6	
27								3.3	0	0	3.3	
28								3.2	0	0	3.2	
29					-----			3.2	0	0	1.2	
30					-----			3.1	.03	.10	0	
31		-----			-----		-----	3.1	-----	1.3	0	-----
TOTAL								42.1	35.95	36.05	40.12	0
MEAN								3.01	1.20	1.16	1.29	0
MAX								3.4	4.0	3.7	3.3	0
MIN								1.5	0	0	0	0
AC-FT								84	71	72	80	0
CAL YEAR 1998	MAX	5.6	MIN	0	AC-FT	258						
WTR YEAR 1999	MAX	4.0	MIN	0	AC-FT	306						

E indicates estimated discharge.

NIOBRARA RIVER BASIN

BENNETT-KAY CANAL from Niobrara River, 00013000 - 1999

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1958 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	3.3	.53	1.6	0
2								0	3.6	.74	1.6	0
3								0	3.9	.32	1.7	0
4								0	3.9	0	1.7	0
5								0	3.8	0	1.7	0
6								0	4.1	0	1.8	0
7								0	4.2	0	1.9	0
8								0	4.1	0	.71	0
9								0	4.0E	0	1.0	0
10								0	4.0E	0	1.0	0
11								0	1.6	1.3	.72	0
12								0	0	1.8	1.7	0
13								0	0	1.8	.84	0
14								0	0	1.3	1.3	0
15								0	0	1.3	1.4	0
16								0	0	1.3	1.4	0
17								0	0	1.3	2.2	0
18								0	0	1.3	2.2	0
19								0	0	1.3	1.7	0
20								0	0	1.6	0	0
21							0	.64	0	1.8	0	0
22							0	3.7	0	1.8	0	0
23							0	3.9	0	.59	0	0
24							0	4.0	0	0	0	0
25							0	3.1	0	0	0	0
26							0	2.6	0	0	0	0
27							0	2.4	0	0	0	0
28							0	2.5	0	0	0	0
29					-----		0	2.7	1.5	0	0	0
30					-----		0	2.7	2.6	.59	0	0
31		-----			-----		-----	2.7	-----	2.1	0	-----
TOTAL							0	30.94	44.6	22.77	28.17	0
MEAN							0	1.00	1.49	.73	.91	0
MAX							0	4.0	4.2	2.1	2.2	0
MIN							0	0	0	0	0	0
AC-FT							0	61	88	45	56	0
CAL YEAR 1998	MAX	5.7	MIN	0	AC-FT	228						
WTR YEAR 1999	MAX	4.2	MIN	0	AC-FT	251						

E indicates estimated discharge.

NIOBRARA RIVER BASIN

MOORE - KAY CANAL from Niobrara River, 00104000 - 1999

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

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

PERIOD OF RECORD.--1956 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								1.1	4.5	0	2.2	3.3
2								1.0	4.6	0	1.5	4.6
3								.92	1.4	.03	0	5.0
4								.83	0	.17	0	2.1
5								.77	0	0	0	0
6								.64	0	0	0	0
7								.49	0	0	0	0
8								.38	0	0	0	0
9								.35	0	0	0	0
10							.50E	1.0	0	0	0	0
11							1.0 E	.99	.68	0	0	0
12							1.5 E	.89	1.2	0	0	0
13							2.6	.03	1.3	0	0	0
14							2.0	0	1.5	0	0	0
15							1.8	0	1.5	0	0	0
16							1.5	0	1.4	0	.05	
17							1.3	0	1.2	0	.83	
18							1.2	0	1.1	0	.77	
19							1.0	0	1.0	0	1.4	
20							.72	0	.86	0	1.9	
21							.55	0	.74	0	2.4	
22							.73	0	.58	1.5	2.5	
23							.93	0	.50	2.2	2.6	
24							.86	0	.38	2.3	2.6	
25							1.6	1.4	.24	2.4	2.4	
26							2.2	4.2	0	2.5	2.2	
27							2.0	3.8	0	2.5	2.3	
28							1.5	3.9	0	2.5	.76	
29					-----		1.1	3.5	0	2.3	0	
30					-----		1.0	4.0	0	2.3	0	
31		-----			-----		-----	4.2	-----	2.1	1.9	-----
TOTAL							27.59	34.39	24.68	22.80	28.31	15.0
MEAN							1.31	1.11	.82	.74	.91	1.15
MAX							2.6	4.2	4.6	2.5	2.6	5.0
MIN							.50	0	0	0	0	0
AC-FT							55	68	49	45	56	30
CAL YEAR 1998	MAX	8.6	MIN	0	AC-FT	234						
WTR YEAR 1999	MAX	5.0	MIN	0	AC-FT	303						

E indicates estimated discharge.

NIOBRARA RIVER BASIN

GEO. HITSHEW CANAL from Niobrara river, 00063000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0						1.5 E	0	0	0
2	0	0	0						2.0 E	0	0	0
3	0	0	0						2.0	0	0	1.1
4	0	0	0						1.7	0	0	.79
5	0	0	0						.26	0	0	1.3
6	0	0	0						0	0	0	1.2
7	0	0	0						0	0	0	1.3
8	0	0	0						0	0	0	1.3
9	0	0	0						0	0	0	1.4
10	0	0	0						0	0	0	1.4
11	0	0	0						0	0	0	.01
12	0	0	0						0	0	0	0
13	0	0	0						0	0	0	0
14	0	0	0						0	0	0	1.6
15	0	0	0						0	0	0	2.2
16	0	0	0						0	0	0	2.8
17	0	0	0						0	0	0	2.8
18	0	0	0						0	0	0	2.5
19	0	0	0						0	0	0	2.6
20	0	0	0						0	0	0	3.1
21	0	0	0						0	0	0	3.5
22	0	0	0						0	0	0	1.9
23	0	0	0						0	0	0	
24	0	0	0						0	0	0	
25	0	0	0						0	0	0	
26	0	0	0						0	0	0	
27	0	0	0						0	0	0	
28	0	0	0						0	0	0	
29	0	0	0		----				0	0	0	
30	0	0	0		----				0	0	0	
31	0	----	0		----		----		0	0	0	----
TOTAL	0	0	0						7.46	0	0	32.80
MEAN	0	0	0						.25	0	0	1.49
MAX	0	0	0						2.0	0	0	3.5
MIN	0	0	0						0	0	0	0
AC-FT	0	0	0						15	0	0	65
CAL YEAR 1998	MAX	0	MIN	0	AC-FT	0						
WTR YEAR 1999	MAX	3.5	MIN	0	AC-FT	80						

E indicates estimated discharge.

NIOBRARA RIVER BASIN

McLAUGHLIN CANAL from Niobrara River, 00086000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6							0	4.1	2.0	0	0
2	3.8E							0	4.1	1.8	0	0
3	3.8E							0	4.3	1.7	0	0
4	4.0E							0	4.5	.43	0	0
5	4.2E							0	4.5	.02	0	0
6	4.5E							0	4.7	0	0	0
7	2.0							0	4.8	0	0	0
8								0	4.7	1.2	0	0
9								0	4.7	3.5	0	0
10								0	4.1	3.5	0	0
11								0	4.0	3.4	0	0
12								0	4.3	3.3	0	0
13								0	4.3	3.2	0	0
14							0	0	4.3	3.3	0	0
15							0	1.9	4.9	3.3	0	0
16							0	6.3	4.9	3.1	0	
17							0	6.3	4.0	3.1	0	
18							0	5.7	3.3	3.0	0	
19							0	4.9	2.9	2.9	0	
20							0	4.0	2.2	2.9	0	
21							0	3.4	2.1	2.9	0	
22							0	3.5	1.6	2.7	0	
23							0	3.4	1.3	2.7	0	
24							0	3.4	2.9	2.7	0	
25							0	3.5	3.2	1.1	0	
26							0	3.3	3.2	0	0	
27							0	3.6	3.3	0	0	
28							0	3.7	2.9	0	0	
29					-----		0	3.7	2.1	0	0	
30					-----		0	3.9	2.1	0	0	
31		-----			-----		-----	4.0	-----	0	0	-----
TOTAL	25.9						0	68.5	108.3	57.75	0	0
MEAN	3.70						0	2.21	3.61	1.86	0	0
MAX	4.5						0	6.3	4.9	3.5	0	0
MIN	2.0						0	0	1.3	0	0	0
AC-FT	51						0	136	215	115	0	0
CAL YEAR 1998	MAX	7.2	MIN	0	AC-FT	708						
WTR YEAR 1999	MAX	6.3	MIN	0	AC-FT	517						

E indicates estimated discharge.

NIOBRARA RIVER BASIN

EXCELSIOR CANAL from Niobrara River, 00046000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	0	1.1	0	0
2								0	0	.92	0	0
3								0	0	1.0	0	0
4								0	0	1.5	0	0
5								0	0	1.8	0	0
6								0	0	1.6	0	0
7								0	0	1.5	0	0
8								0	0	1.3	0	0
9									0	.98	0	0
10									0	1.2	0	0
11									0	1.1	0	0
12									0	.88	0	0
13									0	.65	0	0
14								0	0	.67	0	0
15								0	0	.59	0	0
16								0	0	.46	0	
17								0	0	.47	0	
18								0	0	.43	0	
19								0	0	.35	0	
20								0	0	.53	0	
21								0	0	.51	0	
22								0	0	.39	0	
23								0	0	.27	0	
24								0	.26	.19	0	
25								0	1.0	.37	0	
26								0	.93	.28	0	
27								0	.78	0	0	
28								0	.84	0	0	
29					-----			0	.83	0	0	
30					-----			0	.93	0	0	
31		-----			-----		-----	0	-----	0	0	-----
TOTAL								0	5.57	21.04	0	0
MEAN								0	.19	.68	0	0
MAX								0	1.0	1.8	0	0
MIN								0	0	0	0	0
AC-FT								0	11	42	0	0
CAL YEAR 1998	MAX	3.8	MIN	0	AC-FT	239						
WTR YEAR 1999	MAX	1.8	MIN	0	AC-FT	53						

NIOBRARA RIVER BASIN

HUGHES CANAL from Niobrara River, 00069000 - 1999

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	.18	0	0
2									0	.15	0	0
3									0	.11	0	0
4									0	.12	0	0
5									0	.14	0	0
6									0	.16	0	0
7									0	.14	0	0
8									0	.12	0	0
9									0	.07	0	0
10									0	.03	0	0
11									0	0	0	0
12									0	0	0	0
13									0	0	0	0
14								0	.30	0	0	0
15								0	1.0	0	0	0
16								0	1.0	0	0	0
17								0	.96	0	0	0
18								0	.70	0	0	0
19								0	.57	0	0	0
20								0	.54	0	0	0
21								0	.50	0	0	0
22								0	.46	0	0	0
23								0	.37	0	0	0
24								0	.41	0	0	0
25								0	.37	0	0	0
26								0	.30	0	0	0
27								0	.28	0	0	0
28								0	.24	0	0	0
29					-----			0	.23	0	0	0
30					-----			0	.19	0	0	0
31		-----			-----		-----	0	-----	0	-----	0
TOTAL								0	8.42	1.22	0	0
MEAN								0	.28	.039	0	0
MAX								0	1.0	.18	0	0
MIN								0	0	0	0	0
AC-FT								0	17	2.4	0	0
CAL YEAR 1998	MAX	1.5	MIN	0	AC-FT	19						
WTR YEAR 1999	MAX	1.0	MIN	0	AC-FT	19						

NIOBRARA RIVER BASIN

PIONEER CANAL from Niobrara River, 00123000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	3.7	0	0	0
2	0	0	0	0	0	0	0	0	3.6	0	0	0
3	0	0	0	0	0	0	0	0	3.8	0	0	0
4	0	0	0	0	0	0	0	0	3.7	0	0	0
5	0	0	0	0	0	0	0	0	3.9	0	0	0
6	0	0	0	0	0	0	0	0	4.4	0	0	0
7	0	0	0	0	0	0	0	0	4.3	0	0	0
8	0	0	0	0	0	0	0	0	4.2	0	0	0
9	0	0	0	0	0	0	0	0	4.1	0	0	0
10	0	0	0	0	0	0	0	2.5E	4.1	0	0	0
11	0	0	0	0	0	0	0	3.0E	4.3	0	0	0
12	0	0	0	0	0	0	0	4.5E	4.3	0	0	0
13	0	0	0	0	0	0	0	5.2	4.3	0	0	0
14	0	0	0	0	0	0	0	5.0	4.3	0	0	0
15	0	0	0	0	0	0	0	4.7	4.5	0	0	0
16	0	0	0	0	0	0	0	4.5	4.6	0	0	0
17	0	0	0	0	0	0	0	4.3	4.5	0	0	0
18	0	0	0	0	0	0	0	4.0	4.4	0	0	0
19	0	0	0	0	0	0	0	3.8	2.8	0	0	0
20	0	0	0	0	0	0	0	3.7	0	0	0	0
21	0	0	0	0	0	0	0	3.5	0	0	0	0
22	0	0	0	0	0	0	0	3.6	0	0	0	0
23	0	0	0	0	0	0	0	3.6	0	0	0	0
24	0	0	0	0	0	0	0	3.6	0	0	0	0
25	0	0	0	0	0	0	0	3.7	0	0	0	0
26	0	0	0	0	0	0	0	3.8	0	0	0	0
27	0	0	0	0	0	0	0	3.8	0	0	0	0
28	0	0	0	0	0	0	0	3.7	0	0	0	0
29	0	0	0	0	-----	0	0	3.7	0	0	0	0
30	0	0	0	0	-----	0	0	3.7	0	0	0	0
31	-----	0	0	-----	0	-----	0	3.7	-----	0	0	-----
TOTAL	0	0	0	0	0	0	0	85.6	77.8	0	0	0
MEAN	0	0	0	0	0	0	0	2.76	2.59	0	0	0
MAX	0	0	0	0	0	0	0	5.2	4.6	0	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	170	154	0	0	0
CAL YEAR 1998	MAX	2.5	MIN	0	AC-FT	118						
WTR YEAR 1999	MAX	5.2	MIN	0	AC-FT	324						

E indicates estimated discharge.

NIOBRARA RIVER BASIN

NIOBRARA RIVER above Box Butte Reservoir, 06454500 - 1999

LOCATION.--NE1/4 Sec. 27-29-50 W., Dawes County, Lat. 42° 27' 35", Long. 103° 10' 15", 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 good, 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 45 cubic feet per second April 13, gage height 3.63 feet; maximum gage height 5.07 feet December 20 due to backwater from ice; minimum daily discharge 11 cubic feet per second August 13-30.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15E	31	33	22	29	37	32	37E	15	25	15	14
2	15	31	33	19	28	35	30	37E	14	24	16	17
3	16	33	33	24E	30	34	30	37E	15	23	16	18
4	19	34	33	30E	29	34	31	36	15	23	16	20
5	25	34	33	27	30	35	33	35	15	23	16	20
6	29	35	32	25	29	34	33	33	20	26	17	19
7	31	36	32E	23	32	34	33	32	18	25	16	20
8	29	36	32E	24	35	34	33	31	19	23	15	19
9	31	36	30	24	35	34	33	32	18	21	14	20
10	31	34E	31	25	34E	35	39	31	18	19	13	21
11	30	30E	28	26	34E	34	41	23	21	18	13	21
12	29	30E	29	26	32E	34	42	28	21	18	12	22
13	28	29E	29	26	32	34	43	28	21	18	11	20
14	28	32E	31	26	34	36	43	28	23	17	11	20
15	27	33E	31	27	36	37	41	30	27	17	11	21
16	27	31	32	28	36E	37	39	30	27	17	11	20
17	29	32	33	28	36	35	38	28	26	16	11	18
18	28	33	34	28	37	35	39	27	27	15	11	17
19	28	33	26E	28	36	34	38	25	28	15	11	17
20	28	33	28E	28	35	34	38	25	27	17	11	17
21	27	34	28E	29	35	34	40	24	31	17	11	18
22	27	34	29E	29	37	34	36E	22	28	17	11	18
23	28	33	29E	29	35	34	36E	22	28	16	11	18
24	27	33	29E	29	38	35	36E	21	27	15	11	20
25	27	32	30E	29E	39	34	36E	18	26	13	11	19
26	27	32	30E	30	37	34	36E	18	22	13	11	18
27	27	33	29	30	37	34	37E	17	22	16	11	18
28	29	33	26	28	38	33	37E	16	22	16	11	18
29	30	33	22	28	-----	32	37E	15	22	16	11	19
30	30	33	22	28	-----	33	37E	15	23	15	11	19
31	31	-----	22	30	-----	33	-----	15	-----	14	12	-----
TOTAL	833	986	919	833	955	1,066	1,097	816	666	568	389	566
MEAN	26.9	32.9	29.6	26.9	34.1	34.4	36.6	26.3	22.2	18.3	12.5	18.9
MAX	31	36	34	30	39	37	43	37	31	26	17	22
MIN	15	29	22	19	28	32	30	15	14	13	11	14
AC-FT	1,650	1,960	1,820	1,650	1,890	2,110	2,180	1,620	1,320	1,130	772	1,120
CAL YEAR 1998	TOTAL	9,628.8	MEAN	26.4	MAX	53	MIN	3.5	AC-FT	19,100		
WTR YEAR 1999	TOTAL	9,694.0	MEAN	26.6	MAX	43	MIN	11	AC-FT	19,230		

E indicates estimated discharge.

NIOBRARA RIVER BASIN

BOX BUTTE RESERVOIR from Niobrara River, 06455000 - 1999

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9,881		13,706	15,233	16,535	18,107	19,691			22,799		8,957
2		11,856							22,234		15,073	
3								21,625				
4												
5												
6												
7										22,839		
8												
9												10,131
10									22,221			
11												
12											13,118	
13								21,955				
14	10,749		14,340									
15						18,948				19,653		
16												
17									22,461			
18					17,542							
19				15,872							11,195	
20								22,221				
21												
22							20,897			18,924		
23												10,054
24									23,959			
25												
26											9,872	
27								22,261				
28												
29					-----		21,402			15,083		
30					-----							
31		-----			-----		-----		-----			-----

NIOBRARA RIVER BASIN

NIOBRARA RIVER below Box Butte Reservoir, 06455500 - 1999

LOCATION.--SE1/4 Sec. 28-29-49 W., Dawes County, Lat. 42° 27' 25", Long. 103° 04' 05", 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 195 cubic feet per second July 27, gage height 4.43 feet; minimum daily discharge 0.87 cubic feet per second on October 1.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.87	1.4	1.1	1.1	1.1	1.4	1.3	1.4	1.2	1.1	126	89
2	.91	1.4	1.1	1.1	1.1	1.3	1.3	1.3	1.1	1.1	97	74
3	.94	1.4	1.1	1.1	1.1	1.3	1.3	1.3	1.1	1.1	75	27
4	.99	1.4	1.1	1.1	1.2	1.3	1.3	1.3	1.1	1.1	73	1.2
5	1.1	1.4	1.1	1.1	1.2	1.3	1.4	1.3	1.1	1.1	67	1.0
6	.99	1.4	1.1	1.1	1.2E	1.3	1.4	1.2	1.1	1.1	64	.99
7	.95	1.4	1.1	1.1	1.2E	1.3	1.4	1.3	1.1	1.0	72	.96
8	.97	1.4	1.1	1.1	1.2E	1.3	1.5	1.3	1.0	1.0	87	.95
9	.97	1.4	1.1	1.1	1.2E	1.3	1.5	1.2	1.1	1.0	109	.97
10	.97	1.3	1.1	1.1	1.2E	1.3	1.7	1.3	1.1	1.2	122	.98
11	1.0	1.3	1.1	1.1	1.2E	1.3	1.6	1.3	1.3	80	127	.98
12	1.0	1.3	1.1	1.1	1.2E	1.3	1.5	1.3	1.1	123	128	.97
13	1.0	1.3	1.1	1.1	1.3E	1.3	1.5	1.3	1.1	153	124	.99
14	1.0	1.3	1.1	1.2	1.3E	1.3	1.4	1.4	1.2	155	118	.97
15	1.0	1.3	1.1	1.2	1.3E	1.3	1.4	1.3	1.2	155	121	.98
16	1.0	1.3	1.1	1.2	1.3E	1.3	1.4	1.4	1.1	159	123	1.0
17	1.1	1.3	1.1	1.2	1.3E	1.3E	1.4	1.3	1.1	166	125	.99
18	1.1	1.2	1.2	1.2	1.3E	1.3	1.4	1.3	1.1	173	125	.98
19	1.1	1.2	1.1	1.2	1.3	1.3	1.4	1.3	1.1	180	123	1.0
20	1.2	1.2	1.1	1.2	1.3	1.3	1.4	1.3	1.0	132	121	1.0
21	1.2	1.2	1.1	1.2	1.3	1.3	1.4	1.3	1.1	80	121	1.0
22	1.2	1.2	1.1	1.2	1.3	1.3	1.4	1.3	1.1	93	120	1.0
23	1.2	1.2	1.1	1.2	1.3	1.3	1.3	1.2	1.1	113	113	1.0
24	1.2	1.2	1.1	1.2	1.3	1.2	1.3	1.2	1.1	122	106	1.0
25	1.2	1.2	1.1	1.2	1.3	1.2	1.5	1.2	1.1	135	102	1.0
26	1.3	1.2	1.1	1.1	1.3	1.2E	1.5	1.2	1.1	162	99	1.0
27	1.3	1.2	1.1	1.1	1.4	1.3	1.4	1.2	1.1	175	94	1.0
28	1.3	1.2	1.1	1.1	1.4	1.3	1.4	1.2	1.2	178	80	.98
29	1.4	1.1	1.1	1.1	-----	1.3	1.3	1.2	1.1	166	80	.98
30	1.4	1.1	1.1	1.1	-----	1.4	1.4	1.2	1.1	146	83	.98
31	1.4	-----	1.1	1.1	-----	1.4	-----	1.2	-----	137	90	-----
TOTAL	34.26	38.4	34.2	35.3	35.1	40.3	42.4	39.5	33.4	2,993.8	3,215	216.85
MEAN	1.11	1.28	1.10	1.14	1.25	1.30	1.41	1.27	1.11	96.6	104	7.23
MAX	1.4	1.4	1.2	1.2	1.4	1.4	1.7	1.4	1.3	180	128	89
MIN	.87	1.1	1.1	1.1	1.1	1.2	1.3	1.2	1.0	1.0	64	.95
AC-FT	68	76	68	70	70	80	84	78	66	5,940	6,380	430
CAL YEAR 1998 TOTAL		6,391.41	MEAN	17.5	MAX	152	MIN	.87	AC-FT	12,680		
WTR YEAR 1999 TOTAL		6,758.51	MEAN	18.5	MAX	180	MIN	.87	AC-FT	13,410		

E indicates estimated discharge.

NIOBRARA RIVER BASIN

MONTAGUE CANAL from Niobrara River, 00102000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

No water diverted in 1999.

NIOBRARA RIVER BASIN

LICHTE CANAL from Niobrara River, 00081000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	3.0	0
2	0	0	0	0	0	0	0	0	0	0	3.0	0
3	0	0	0	0	0	0	0	0	0	0	3.0	0
4	0	0	0	0	0	0	0	0	0	0	3.1	0
5	0	0	0	0	0	0	0	0	0	0	3.1	0
6	0	0	0	0	0	0	0	0	0	0	3.0	0
7	0	0	0	0	0	0	0	0	0	0	3.0	0
8	0	0	0	0	0	0	0	0	0	0	.93	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	-----	0	0	0	0	1.8	0	0
30	0	0	0	0	-----	0	0	0	0	3.0	0	0
31	0	-----	0	0	-----	0	-----	0	-----	3.0	0	-----
TOTAL	0	0	0	0	0	0	0	0	0	7.8	22.13	0
MEAN	0	0	0	0	0	0	0	0	0	.25	.71	0
MAX	0	0	0	0	0	0	0	0	0	3.0	3.1	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	0	0	15	44	0
CAL YEAR 1998	MAX	3.4	MIN	0	AC-FT	109						
WTR YEAR 1999	MAX	3.1	MIN	0	AC-FT	59						

NIOBRARA RIVER BASIN

MIRAGE FLATS CANAL from Niobrara River, 00100000 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	0	0	144	91
2								0	0	0	114	88
3								0	0	0	104	64
4								0	0	0	97	30
5								0	0	0	75	10
6								0	0	0	57	0
7								0	0	0	68	0
8								0	0	0	71	0
9								0	0	0	108	0
10								0	0	0	125	0
11								0	0	38	130	0
12								0	0	93	125	0
13								0	0	139	134	0
14								0	0	141	120	0
15								0	0	144	113	0
16								0	0	146	117	0
17								0	0	153	118	0
18								0	0	158	119	0
19								0	0	163	117	0
20								0	0	96	117	0
21								0	0	83	120	0
22								0	0	94	124	0
23								0	0	108	118	0
24								0	0	125	111	0
25								0	0	133	112	0
26								0	0	146	106	0
27								0	0	176	101	0
28								0	0	184	85	0
29					-----			0	0	186	86	0
30					-----			0	0	159	87	0
31		-----			-----		-----	0	-----	137	91	-----
TOTAL								0	0	2,802	3,314	283
MEAN								0	0	90.4	107	9.43
MAX								0	0	186	144	91
MIN								0	0	0	57	0
AC-FT								0	0	5,560	6,570	561
CAL YEAR 1998	MAX	165	MIN	0	AC-FT	12,920						
WTR YEAR 1999	MAX	186	MIN	0	AC-FT	12,690						

NIOBRARA RIVER BASIN

POTMESIL CANAL from Niobrara River, 00124000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0		1.9	0	1.9	4.6
2	0	0	0	0	0	0	0		1.2	0	0	4.4
3	0	0	0	0	0	0	0		.70	0	0	5.0
4	0	0	0	0	0	0	0		0	0	0	3.0
5	0	0	0	0	0	0	0		0	0	0	0
6	0	0	0	0	0	0	0		2.9	3.1	1.5	0
7	0	0	0	0	0	0	0		6.4	5.8	4.2	0
8	0	0	0	0	0	0	0		6.3	5.8	4.2	0
9	0	0	0	0	0	0	0		6.3	5.8	4.7	0
10	0	0	0	0	0	0	0		6.2	2.0	4.9	0
11	0	0	0	0	0	0	0		2.9	0	4.8	0
12	0	0	0	0	0	0	0		0	3.3	4.7	0
13	0	0	0	0	0	0	0		0	5.3	4.9	0
14	0	0	0	0	0	0	0		0	5.4	4.6	0
15	0	0	0	0	0	0	0		0	5.4	4.7	0
16	0	0	0	0	0	0	0		0	5.4	5.1	0
17	0	0	0	0	0	0	0		1.3	5.5	5.4	
18	0	0	0	0	0	0	0		4.5	6.1	5.5	
19	0	0	0	0	0	0	0		0	6.5	5.5	
20	0	0	0	0	0	0	0		3.3	2.5	5.3	
21	0	0	0	0	0	0	0		6.1	0	5.2	
22	0	0	0	0	0	0	0		4.5	2.9	5.3	
23	0	0	0	0	0	0	0		0	5.1	4.8	
24	0	0	0	0	0	0	0		0	5.3	4.1	
25	0	0	0	0	0	0	0	1.0E	2.4	5.4	4.9	
26	0	0	0	0	0	0	0	1.5E	5.3	5.3	4.3	
27	0	0	0	0	0	0	0	2.3	5.3	5.5	3.6	
28	0	0	0	0	0	0	0	9.4	1.6	5.6	1.7	
29	0	0	0	0	-----	0	0	10	0	5.5	0	
30	0	0	0	0	-----	0	0	6.1	0	5.0	0	
31	0	-----	0	0	-----	0	-----	3.2	-----	4.6	2.8	-----
TOTAL	0	0	0	0	0	0	0	33.5	69.10	118.1	108.6	17.0
MEAN	0	0	0	0	0	0	0	4.79	2.30	3.81	3.50	1.06
MAX	0	0	0	0	0	0	0	10	6.4	6.5	5.5	5.0
MIN	0	0	0	0	0	0	0	1.0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	66	137	234	215	34
CAL YEAR 1998	MAX	6.0	MIN	0	AC-FT	659						
WTR YEAR 1999	MAX	10	MIN	0	AC-FT	687						

E indicates estimated discharge.

NIOBRARA RIVER BASIN

SNAKE RIVER at Doughboy, 06459175 - 1999

LOCATION.--NE1/4NW1/4 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, 1994 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 367 cubic feet per second June 10, 1991, gage height 3.88 feet, present datum; 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 242 cubic feet per second September 9, gage height 2.14 feet; maximum gage height 3.86 feet January 5 due to backwater from ice, minimum daily discharge 153 cubic feet per second December 21.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	161	190	180	168	175	180	179	172	170	181	163	164
2	167	193	179	165E	172	182	169	174	165	174	164	188
3	169	196	179	160E	170	175	173	174	174	199	166	228
4	182	193	181	160E	167	174	179	175	196	180	163	216
5	192	188	179	165E	169	181	188	167	188	173	163	200
6	187	193	173	171	172	184	191	159	181	165	164	195
7	187	194	173	160	178	179	200	157	170	163	163	186
8	176	194	170	156	181	177	200	161	170	163	162	174
9	174	196	172	155	180	175	185	166	169	162	161	163
10	170	181	172	164	179	184	189	171	168	161	159	165
11	164	178	173	165	173	179	196	166	164	161	159	167
12	162	181	174	171	163	184	209	165	164	161	158	170
13	160	187	173	166	174	187	205	166	188	163	157	164
14	161	195	175	166	181	188	188	183	191	160	157	164
15	162	201	176	168	183	196	171	187	212	162	155	165
16	164	214	173	169	180	201	168	192	202	172	155	164
17	166	225	171	165	182	190	171	182	196	163	156	164
18	164	206	177	160	183	179	170	177	186	165	155	164
19	167	192	161	171	183	178	169	174	178	167	156	166
20	169	190	154	173	180	176	171	198	173	186	156	165
21	165	186	153	170	182	176	181	185	169	187	160	163
22	166	184	164	171	175	175	183	183	168	182	168	162
23	165	183	173	169	175	178	180	169	171	180	165	162
24	168	182	179	168	183	184	181	166	177	177	161	162
25	170	181	193	163	187	185	185	163	178	169	159	160
26	170	180	180	166	189	185	193	163	180	166	158	162
27	169	181	173	164	180	181	212	165	170	163	158	160
28	193	185	173	163	179	182	212	163	185	162	160	163
29	217	183	172	163	-----	177	189	163	188	161	162	162
30	201	183	171	164	-----	177	174	164	181	162	163	163
31	197	-----	169	170	-----	180	-----	162	-----	160	164	-----
TOTAL	5,385	5,715	5,365	5,129	4,975	5,629	5,561	5,312	5,372	5,250	4,970	5,151
MEAN	174	191	173	165	178	182	185	171	179	169	160	172
MAX	217	225	193	173	189	201	212	198	212	199	168	228
MIN	160	178	153	155	163	174	168	157	164	160	155	160
AC-FT	10,680	11,340	10,640	10,170	9,870	11,170	11,030	10,540	10,660	10,410	9,860	10,220
CAL YEAR 1998 TOTAL		62,459	MEAN	171	MAX	225	MIN	140	AC-FT	123,900		
WTR YEAR 1999 TOTAL		63,814	MEAN	175	MAX	228	MIN	153	AC-FT	126,600		

E indicates estimated discharge.

NIOBRARA RIVER BASIN

MERRITT RESERVOIR from Snake River, 06459300 - 1999

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52,110	68,020	68,560	69,390	69,110	68,830	69,110	74,780	74,200	74,780	57,210	35,080
2	52,560	68,290	68,560	69,110	69,110	68,830	69,110	74,780	74,200	74,490	56,730	34,470
3	52,780	68,560	68,560	68,830	69,110	68,830	69,950	74,780	74,780	74,490	55,770	34,320
4	53,230	68,830	68,560	68,560	69,110	69,110	70,500	74,780	74,780	74,490	54,840	34,320
5	54,140	69,110	68,560	68,560	69,110	69,110	70,780	74,490	74,780	74,490	54,140	34,920
6	54,380	69,110	68,560	68,560	69,110	68,830	71,340	74,490	74,780	74,200	53,010	35,560
7	55,310	69,110	68,560	68,560	69,110	68,830	71,910	74,200	74,490	73,910	52,330	35,870
8	55,770	69,110	68,560	68,560	68,830	74,200	72,480	74,200	74,490	73,340	51,660	36,340
9	56,000	69,110	68,560	68,560	68,830	68,560	72,770	74,490	74,200	72,480	51,220	36,670
10	56,490	69,390	68,560	68,560	68,830	68,830	73,050	74,780	74,200	71,620	50,360	37,000
11	56,970	69,110	68,560	68,560	68,830	68,830	73,340	74,780	73,910	70,780	49,710	37,330
12	57,210	69,110	68,560	68,560	68,560	68,830	73,910	74,780	74,200	69,950	48,870	37,650
13	57,690	69,110	68,560	68,560	68,560	68,830	74,200	74,780	74,200	69,110	47,830	37,820
14	60,660	69,110	68,560	68,830	68,560	68,830	74,200	74,780	74,490	68,290	47,210	38,320
15	61,170	69,110	68,560	68,830	68,560	68,830	74,200	74,490	74,490	67,200	46,610	38,660
16	61,780	69,110	68,560	68,830	68,560	69,110	74,490	74,490	74,490	66,120	45,820	39,000
17	62,450	69,110	68,560	68,830	68,290	69,110	74,490	74,490	74,780	65,320	44,830	39,340
18	60,410	69,110	68,560	68,830	68,290	69,110	74,490	74,490	74,480	64,530	43,770	39,690
19	60,910	69,390	68,560	68,830	68,560	69,110	74,490	74,490	74,480	63,740	43,120	40,040
20	61,420	69,110	68,290	68,830	68,560	69,110	74,780	74,780	74,480	62,960	42,200	40,570
21	61,940	69,110	68,290	68,830	68,560	68,830	74,780	74,780	74,780	62,960	41,640	40,930
22	62,450	69,110	68,290	68,830	68,560	68,830	74,780	74,780	74,780	62,960	41,100	41,460
23	62,960	69,110	68,560	68,830	68,560	68,830	74,780	74,780	74,780	63,220	40,570	41,830
24	63,480	69,110	68,560	68,830	68,830	68,560	74,780	74,780	74,780	63,220	39,860	42,380
25	64,000	68,560	68,560	68,830	68,830	68,560	74,780	74,490	74,780	62,960	39,340	42,750
26	64,800	68,560	68,830	68,830	68,830	68,560	74,780	74,490	74,780	62,710	38,490	43,120
27	65,060	68,560	69,110	68,830	68,830	68,560	74,780	74,490	74,780	61,940	37,820	43,300
28	65,590	68,560	69,390	69,110	68,830	68,560	74,780	74,490	74,780	60,910	37,170	43,680
29	66,390	68,560	69,390	69,110	-----	68,560	74,780	74,200	74,780	60,160	36,670	44,070
30	66,930	68,560	69,670	69,110	-----	68,830	74,780	74,200	74,780	59,170	36,190	44,450
31	67,470	-----	69,670	69,110	-----	68,830	-----	74,200	-----	58,170	35,560	-----
MAX	67,470	69,390	69,670	69,390	69,110	74,200	74,780	74,780	74,780	74,780	57,210	44,450
MIN	52,110	68,020	68,290	68,560	68,290	68,560	69,110	74,200	73,910	58,170	35,560	34,320
CHANGE	15,590	1,090	1,110	-560	-280	0	5,950	-580	580	-16,610	-22,610	8,890
CAL YEAR 1998			MEAN	66,516	MAX	75,100	MIN	46,000				
WTR YEAR 1999			MEAN	64,867	MAX	74,780	MIN	34,320				

NIOBRARA RIVER BASIN

AINSWORTH CANAL from Merritt Reservoir, 00001000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	59	91	577	486
2								0	59	105	584	466
3								0	59	119	578	385
4								0	59	162	606	86
5								0	59	239	612	64
6								0	64	331	584	65
7								0	70	417	504	65
8								0	70	496	506	72
9								0	70	543	526	73
10								0	70	555	564	66
11								0	70	562	578	66
12								16	70	584	581	66
13								127	70	609	569	67
14								94	70	624	488	67
15								76	64	624	520	61
16								77	60	621	586	54
17								77	60	606	600	33
18								77	60	608	585	0
19								78	60	613	570	0
20								74	60	264	555	0
21								61	73	120	490	0
22								61	106	141	508	0
23								59	100	226	544	0
24								59	95	311	557	0
25								67	91	357	568	0
26								77	91	502	575	0
27								72	99	586	559	0
28								59	98	613	471	0
29					-----			59	91	624	467	0
30					-----			59	91	618	483	0
31		-----			-----		-----	59	-----	571	492	-----
TOTAL								1,388	2,218	13,442	16,987	2,242
MEAN								44.8	73.9	434	548	74.7
MAX								127	106	624	612	486
MIN								0	59	91	467	0
AC-FT								2,750	4,400	26,660	33,690	4,450
CAL YEAR 1998	MAX	634	MIN	0	AC-FT	64,880						
WTR YEAR 1999	MAX	624	MIN	0	AC-FT	71,960						

NIOBRARA RIVER BASIN

SNAKE RIVER near Burge, 06459500 - 1999

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. Records 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 366 cubic feet per second November 19, gage height 2.24 feet; maximum gage height 2.40 feet April 26, minimum daily discharge 14 cubic feet per second October 19-27.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	103	247	361	287	256	68	329	109	167	60	59
2	70	118	248	361	307	256	68	328	118	166	60	60
3	70	183	248	361	308	256	68	329	188	174	60	59
4	70	212	248	307	312	254	70	326	195	150	60	63
5	70	273	245	270	312	168	64	325	223	87	59	62
6	69	294	244	266	312	252	68	324	224	63	60	62
7	68	294	242	267	312	252	69	276	215	63	61	62
8	68	294	256	268	312	252	95	210	218	61	63	62
9	68	294	256	271	312	252	112	197	209	60	64	62
10	68	300	256	270	312	291	114	258	207	59	63	62
11	68	358	259	268	312	317	114	299	143	57	62	62
12	68	182	260	268	315	320	196	297	98	57	62	62
13	68	294	260	268	317	323	233	295	102	57	62	62
14	44	297	260	268	317	326	238	286	143	57	62	63
15	15	298	263	268	320	326	241	228	171	57	62	63
16	15	298	236	268	321	326	244	191	175	59	62	62
17	15	302	215	268	282	321	245	194	183	59	62	62
18	15	301	215	268	263	324	246	203	185	59	61	62
19	14	326	216	268	264	326	249	201	184	59	60	62
20	14	336	219	268	264	326	269	232	189	60	61	63
21	14	336	197	268	264	322	286	252	190	62	61	62
22	14	336	170	268	262	294	285	247	187	62	60	60
23	14	336	169	269	260	264	287	242	186	62	60	60
24	14	336	167	272	260	264	292	240	182	63	60	60
25	14	316	166	271	260	265	295	235	188	63	60	60
26	14	303	164	268	260	264	319	232	178	63	60	62
27	14	285	164	224	260	264	347	229	175	62	60	63
28	15	248	223	264	259	263	336	230	173	62	60	65
29	36	247	264	264	-----	239	332	199	174	60	60	65
30	89	244	312	260	-----	189	330	172	167	60	60	65
31	104	-----	358	260	-----	101	-----	110	-----	60	60	-----
TOTAL	1,369	8,344	7,247	8,570	8,146	8,453	6,180	7,716	5,279	2,310	1,887	1,858
MEAN	44.2	278	234	276	291	273	206	249	176	74.5	60.9	61.9
MAX	104	358	358	361	321	326	347	329	224	174	64	65
MIN	14	103	164	224	259	101	64	110	98	57	59	59
AC-FT	2,720	16,550	14,370	17,000	16,160	16,770	12,260	15,300	10,470	4,580	3,740	3,690
CAL YEAR 1998	TOTAL	66,196	MEAN	181	MAX	358	MIN	14	AC-FT	131,300		
WTR YEAR 1999	TOTAL	67,359	MEAN	185	MAX	361	MIN	14	AC-FT	133,600		

NIOBRARA RIVER BASIN

KEYA PAHA RIVER near Naper, 06464900 - 1999

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 4,750 cubic feet per second July 20, gage height 9.54 feet; minimum daily discharge 59 cubic feet per second July 15.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	452	289	160E	225E	484	388	525	316	295	109	67
2	102	407	277	150E	250E	455	390	454	288	535	105	68
3	134	358	270	140E	280E	468	386	469	272	798	96	71
4	188	347	262	130E	350E	437	382	654	255	623	102	256
5	280	357	244	120E	400E	361	485	2,500	242	391	96	413
6	251	328	237	140E	450E	340	702	2,240	391	324	93	551
7	212	348	234	150E	500E	323	631	1,860	382	409	92	486
8	193	383	212	140E	541	323	1,100	1,560	609	349	108	383
9	184	496	224	150E	380	342	2,890	1,220	405	215	104	313
10	170	693	230	160E	341	435	2,990	971	299	120	108	250
11	167	588	203	150E	359	369	3,560	948	261	95	99	202
12	160	592	204	160E	300	352	2,320	1,410	237	78	97	182
13	147	542	204	170E	290	373	1,640	1,460	219	69	92	163
14	141	615	215	180E	293	442	1,210	1,060	193	60	90	152
15	142	622	215	190E	308	466	935	852	666	59	86	146
16	157	593	195	180E	318	509	768	734	847	115	85	141
17	303	551	191	180E	288	492	609	621	624	67	88	133
18	407	517	196	190E	309	400	530	515	435	62	90	130
19	402	447	150E	210E	302	366	510	471	368	78	88	133
20	387	378	120E	220E	295	391	474	582	321	2,160	81	141
21	320	366	110E	240E	323	420	531	485	384	2,050	79	145
22	264	305	100E	250E	334	414	511	467	346	805	81	149
23	223	317	106E	230E	310	435	544	422	1,940	672	87	146
24	206	283	120E	220E	296	443	505	376	1,600	416	84	137
25	193	271	130E	230E	326	469	505	394	643	287	81	130
26	191	273	120E	220E	458	436	675	446	521	225	76	127
27	199	270	130E	210E	555	411	724	406	360	195	77	122
28	263	239	140E	220E	526	479	707	349	342	169	73	124
29	572	306	150E	220E	-----	469	647	303	377	144	74	130
30	507	304	160E	225E	-----	417	598	270	324	127	81	136
31	466	-----	170E	220E	-----	401	-----	266	-----	115	74	-----
TOTAL	7,622	12,548	5,808	5,755	9,907	12,922	28,847	25,290	14,467	12,107	2,776	5,727
MEAN	246	418	187	186	354	417	962	816	482	391	89.5	191
MAX	572	693	289	250	555	509	3,560	2,500	1,940	2,160	109	551
MIN	91	239	100	120	225	323	382	266	193	59	73	67
AC-FT	15,120	24,890	11,520	11,420	19,650	25,630	57,220	50,160	28,700	24,010	5,510	11,360
CAL YEAR 1998 TOTAL		111,142	MEAN	304	MAX	2,110	MIN	87	AC-FT	220,500		
WTR YEAR 1999 TOTAL		143,776	MEAN	394	MAX	3,560	MIN	59	AC-FT	285,200		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

FORT LARAMIE CANAL from North Platte River, 00052000 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	629	784	1,180	1,500	1,300
2							0	598	698	1,290	1,510	1,150
3							0	593	712	1,400	1,500	1,070
4							0	598	750	1,440	1,500	1,010
5							0	609	752	1,450	1,500	975
6												
7							0	611	752	1,490	1,500	949
8							0	615	752	1,500	1,500	931
9							0	615	750	1,510	1,510	900
10							0	618	750	1,510	1,510	874
							0	615	750	1,500	1,500	874
11												
12							0	615	752	1,510	1,500	876
13							0	631	752	1,510	1,510	876
14							0	679	752	1,510	1,510	876
15							0	700	750	1,500	1,510	851
							0	700	700	1,500	1,510	828
16												
17							0	728	700	1,510	1,520	826
18							0	750	700	1,510	1,510	814
19							0	784	700	1,500	1,510	823
20							0	801	700	1,500	1,510	636
							0	804	700	1,500	1,510	229
21												
22							0	821	700	1,500	1,510	0
23							0	849	740	1,500	1,500	0
24							0	826	816	1,510	1,510	0
25							0	826	874	1,520	1,510	0
							0	836	981	1,500	1,470	0
26												
27							0	874	1,000	1,500	1,450	0
28							0	876	1,040	1,500	1,460	0
29							0	876	1,050	1,500	1,420	0
30					-----		656	876	1,050	1,500	1,370	0
31		-----			-----		656	876	1,110	1,510	1,370	0
					-----		-----	843	-----	1,500	1,370	-----
TOTAL							1,312	22,672	24,017	45,860	46,070	17,668
MEAN							43.7	731	801	1,479	1,486	589
MAX							656	876	1,110	1,520	1,520	1,300
MIN							0	593	698	1,180	1,370	0
AC-FT							2,600	44,970	47,640	90,960	91,380	35,040
CAL YEAR 1998	MAX	1,510	MIN	0	AC-FT	348,700						
WTR YEAR 1999	MAX	1,520	MIN	0	AC-FT	312,600						

NORTH PLATTE RIVER BASIN

FORT LARAMIE CANAL from North Platte River @ Mile Post 85.3, 00052200 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	30	353	514	594	525
2	50	0	0	0	0	0	0	343	344	531	599	527
3	49	0	0	0	0	0	0	348	293	538	599	489
4	49	0	0	0	0	0	0	321	288	581	603	453
5	49	0	0	0	0	0	0	311	300	601	603	447
6	49	0	0	0	0	0	0	318	299	605	608	410
7	0	0	0	0	0	0	0	309	302	603	614	387
8	0	0	0	0	0	0	0	309	305	612	608	381
9	0	0	0	0	0	0	0	314	305	608	605	381
10	0	0	0	0	0	0	0	321	312	605	599	381
11	0	0	0	0	0	0	0	302	307	603	601	379
12	0	0	0	0	0	0	0	295	304	605	590	381
13	0	0	0	0	0	0	0	300	300	594	583	381
14	0	0	0	0	0	0	0	316	305	590	590	381
15	0	0	0	0	0	0	0	335	307	581	590	381
16	0	0	0	0	0	0	0	353	305	570	585	381
17	0	0	0	0	0	0	0	357	312	570	590	381
18	0	0	0	0	0	0	0	352	314	588	590	377
19	0	0	0	0	0	0	0	355	314	594	588	377
20	0	0	0	0	0	0	0	361	307	594	581	364
21	0	0	0	0	0	0	0	357	305	590	581	272
22	0	0	0	0	0	0	0	361	304	610	581	163
23	0	0	0	0	0	0	0	364	309	612	594	78
24	0	0	0	0	0	0	0	363	312	605	592	26
25	0	0	0	0	0	0	0	353	352	603	594	0
26	0	0	0	0	0	0	0	353	406	605	592	0
27	0	0	0	0	0	0	0	355	457	608	574	0
28	0	0	0	0	0	0	17	353	481	601	579	0
29	0	0	0	0	-----	0	17	353	485	596	572	0
30	0	0	0	0	-----	0	17	353	496	599	551	0
31	0	-----	0	0	-----	0	-----	355	-----	588	521	-----
TOTAL	246	0	0	0	0	0	51	10,170	10,083	18,304	18,251	8,703
MEAN	7.94	0	0	0	0	0	1.70	328	336	590	589	290
MAX	50	0	0	0	0	0	17	364	496	612	614	527
MIN	0	0	0	0	0	0	0	30	288	514	521	0
AC-FT	488	0	0	0	0	0	101	20,170	20,000	36,310	36,200	17,260
CAL YEAR 1998	TOTAL	73,460	MEAN	201	MAX	617	MIN	0	AC-FT	145,700		
WTR YEAR 1999	TOTAL	65,808	MEAN	180	MAX	614	MIN	0	AC-FT	130,500		

NORTH PLATTE RIVER BASIN

INTERSTATE CANAL from North Platte River, 00071000 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	967	0	0	0	0	0	0	858	0	1,650	1,910	1,730
2	952	0	0	0	0	0	0	851	0	1,700	1,890	1,640
3	947	0	0	0	0	0	0	926	0	1,750	1,880	1,440
4	964	0	0	0	0	0	0	979	0	1,810	1,880	1,260
5	955	0	0	0	0	0	0	987	0	1,850	1,870	1,220
6	631	0	0	0	0	0	0	977	0	1,880	1,870	1,220
7	152	0	0	0	0	0	0	950	0	1,950	1,870	1,220
8	0	0	0	0	0	0	0	935	0	1,970	1,860	1,220
9	0	0	0	0	0	0	0	933	0	2,000	1,850	1,220
10	0	0	0	0	0	0	0	962	0	2,000	1,850	1,220
11	0	0	0	0	0	0	0	987	0	2,000	1,880	1,220
12	0	0	0	0	0	0	537	1,020	0	2,000	1,890	1,220
13	0	0	0	0	0	0	880	1,030	0	2,000	1,890	1,230
14	0	0	0	0	0	0	889	1,040	0	2,000	1,890	1,220
15	0	0	0	0	0	0	894	1,050	0	2,000	1,900	1,220
16	0	0	0	0	0	0	892	1,080	0	2,000	1,900	1,220
17	0	0	0	0	0	0	889	1,110	0	2,000	1,900	1,230
18	0	0	0	0	0	0	889	1,130	0	2,000	1,900	1,230
19	0	0	0	0	0	0	890	1,130	0	2,000	1,900	1,230
20	0	0	0	0	0	0	889	1,120	0	2,000	1,900	1,230
21	0	0	0	0	0	0	889	1,130	0	2,000	1,890	1,230
22	0	0	0	0	0	0	894	1,130	535	1,960	1,890	1,220
23	0	0	0	0	0	0	897	1,130	889	1,960	1,890	1,220
24	0	0	0	0	0	0	894	1,000	972	1,960	1,880	1,220
25	0	0	0	0	0	0	889	427	1,130	1,970	1,880	1,230
26	0	0	0	0	0	0	863	12	1,250	1,970	1,870	894
27	0	0	0	0	0	0	830	0	1,450	1,980	1,870	269
28	0	0	0	0	0	0	809	0	1,530	1,970	1,880	0
29	0	0	0	0	-----	0	830	0	1,600	1,960	1,870	0
30	0	0	0	0	-----	0	842	0	1,600	1,960	1,800	0
31	0	-----	0	0	-----	0	-----	0	-----	1,940	1,780	-----
TOTAL	5,568	0	0	0	0	0	16,286	24,884	10,956	60,190	58,180	32,923
MEAN	180	0	0	0	0	0	543	803	365	1,942	1,877	1,097
MAX	967	0	0	0	0	0	897	1,130	1,600	2,000	1,910	1,730
MIN	0	0	0	0	0	0	0	0	0	1,650	1,780	0
AC-FT	11,040	0	0	0	0	0	32,300	49,360	21,730	119,400	115,400	65,300
CAL YEAR 1998	TOTAL	216,364	MEAN	593	MAX	2,020	MIN	0	AC-FT	429,200		
WTR YEAR 1999	TOTAL	208,987	MEAN	573	MAX	2,000	MIN	0	AC-FT	414,500		

NORTH PLATTE RIVER BASIN

LAKE ALICE RESERVOIR from North Platte, 00400300 - 1999

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,757	539	444	318	158	11.0	231	5,793	3,609	6,396	3,055	3,741
2	5,076	566	464	316	155	231	1.0	5,748	3,598	6,731	3,133	4,162
3	5,229	569	411	314	152	231	1.0	5,653	3,565	6,943	3,248	4,621
4	5,565	572	406	312	135	9.0	1.0	5,678	3,538	6,990	3,360	5,023
5	5,818	555	406	229	132	9.0	1.0	5,622	3,549	6,977	3,473	5,316
6	6,004	572	393	226	129	8.0	1.0	5,653	3,500	6,870	3,603	5,584
7	6,127	566	394	224	127	0	1.0	5,434	3,381	6,645	3,741	5,850
8	5,920	563	241	221	124	8.0	1.0	5,340	3,335	6,355	3,868	6,010
9	5,384	580	240	217	122	7.0	1.0	5,285	3,306	6,043	3,708	6,238
10	4,609	561	406	214	119	7.0	1.0	4,979	3,301	5,754	3,724	6,225
11	3,846	552	406	210	106	6.0	1.0	4,979	3,259	5,496	3,719	6,004
12	3,091	547	406	207	104	6.0	1.0	4,775	3,228	5,229	3,653	5,831
13	2,342	547	359	204	102	6.0	1.0	4,311	1,394	4,943	3,680	5,697
14	1,719	542	356	199	99.0	5.0	231	4,179	1,401	4,692	3,686	5,604
15	1,156	539	354	196	97.0	5.0	1.0	4,020	1,405	4,381	3,658	5,552
16	825	531	352	193	231	5.0	763	3,614	1,397	4,094	3,587	5,421
17	456	528	350	189	93.0	4.0	957	3,191	1,405	3,818	3,543	5,309
18	497	528	348	186	89.0	4.0	975	3,408	1,393	3,532	3,446	5,211
19	518	520	346	183	87.0	4.0	3,035	3,485	1,401	3,344	3,344	5,119
20	523	515	343	180	85.0	3.0	3,290	3,312	1,397	3,217	3,216	5,064
21	528	502	341	176	83.0	3.0	3,505	3,269	1,397	3,128	3,112	5,052
22	542	577	339	173	81.0	3.0	4,014	3,211	2,931	3,133	3,008	5,016
23	547	486	360	170	79.0	3.0	4,003	3,112	2,895	3,112	2,900	4,919
24	550	505	333	167	77.0	3.0	4,480	3,081	2,829	3,055	2,809	4,823
25	555	476	333	164	74.0	2.0	4,745	3,065	3,306	2,967	2,764	4,739
26	561	464	331	161	231	2.0	5,028	3,211	3,664	2,890	2,734	4,680
27	555	459	329	158	71.0	2.0	4,871	3,625	4,094	2,855	2,724	4,591
28	637	454	327	151	69.0	2.0	4,793	3,741	4,638	3,008	2,749	4,248
29	572	469	324	151	-----	2.0	4,866	3,757	5,266	2,993	2,921	3,768
30	544	449	359	149	-----	1.0	5,882	3,697	5,908	2,993	3,175	3,164
31	547	-----	320	147	-----	3.0	-----	3,680	-----	3,018	3,435	-----
MAX	6,127	580	464	318	231	231	5,882	5,793	5,908	6,990	3,868	6,238
MIN	456	449	240	147	69.0	0	1.0	3,065	1,393	2,855	2,724	3,164
CHANGE	-3,939	-98.0	-129	-173	-78.0	-66.0	5,879	-2,202	2,228	-2,890	417	-271
CAL YEAR 1998			MEAN	2,354	MAX	10,500	MIN	62.0				
WTR YEAR 1999			MEAN	2,155	MAX	6,990	MIN	0				

NORTH PLATTE RIVER BASIN

LITTLE LAKE ALICE RESERVOIR from North Platte River, 00405200 - 1999

LOCATION.-- Sec.15 & 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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	361	192	260	255	217	176	134	385	236	274	324	374
2	368	204	260	255	217	175	133	372	234	274	321	361
3	372	209	260	253	215	175	131	367	227	272	328	358
4	384	213	261	250	212	172	132	382	232	268	334	354
5	378	217	261	249	211	173	129	397	231	265	339	354
6	378	223	261	250	209	168	127	392	231	261	342	354
7	382	227	261	248	208	166	123	400	236	261	336	347
8	382	229	260	248	207	168	125	364	238	263	334	345
9	374	236	261	245	204	165	131	351	239	262	336	346
10	369	236	262	244	209	166	136	343	245	257	333	324
11	354	239	261	243	204	163	128	342	245	254	325	321
12	360	241	261	243	200	163	128	333	248	253	321	315
13	344	243	261	242	199	161	141	324	248	253	317	315
14	312	246	260	240	197	160	120	318	251	250	317	312
15	276	247	260	239	196	158	121	315	251	244	316	350
16	253	249	260	238	192	162	184	306	251	239	314	365
17	164	251	258	237	194	155	273	299	252	241	312	367
18	66.0	252	263	235	193	153	304	267	251	254	312	368
19	65.0	253	264	234	191	150	316	258	254	268	310	367
20	81.0	254	267	232	189	149	334	254	253	271	308	362
21	93.0	254	267	233	186	147	353	247	252	276	316	362
22	107	256	265	231	186	145	367	242	253	282	318	373
23	120	256	264	230	183	143	359	241	252	289	318	376
24	131	257	262	230	183	141	360	233	250	292	315	375
25	141	256	260	227	182	137	372	212	261	294	315	373
26	149	257	258	225	182	137	372	217	283	293	312	376
27	158	259	258	224	179	139	373	221	304	292	318	376
28	171	259	256	223	176	137	376	224	293	301	315	371
29	175	259	257	222	-----	136	385	229	277	308	324	371
30	182	259	257	220	-----	134	391	235	273	323	339	367
31	186	-----	255	218	-----	138	-----	237	-----	332	353	-----
MAX	384	259	267	255	217	176	391	400	304	332	353	376
MIN	65.0	192	255	218	176	134	120	212	227	239	308	312
CHANGE	-147	73.0	-4.0	-37.0	-42.0	-38.0	253	-154	36.0	59.0	21.0	14.0
CAL YEAR 1998			MEAN	227	MAX	384	MIN	46.0				
WTR YEAR 1999			MEAN	257	MAX	400	MIN	65.0				

NORTH PLATTE RIVER BASIN

LAKE MINATARE RESERVOIR from North Platte, 00406300 - 1999

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19,502	32,161	31,790	31,422	31,221	30,425	29,867	40,686	54,007	52,762	33,026	16,415
2	20,597	32,262	31,790	31,372	31,255	30,409	29,867	41,554	54,027	52,308	32,465	16,194
3	21,539	32,228	31,790	31,322	31,322	30,558	29,769	42,431	54,007	51,835	31,824	16,280
4	22,760	32,245	31,790	31,288	31,288	30,425	29,818	43,507	54,048	51,364	31,355	16,341
5	23,721	32,211	31,757	31,355	31,305	30,425	29,769	44,212	53,965	50,834	30,872	16,439
6	24,703	32,245	31,740	31,305	31,322	30,392	29,736	44,807	53,840	50,205	30,294	16,599
7	25,628	32,211	31,706	31,271	31,388	30,360	29,703	45,405	54,173	49,538	29,801	16,860
8	26,555	32,211	31,706	31,238	31,422	30,360	29,769	46,203	54,132	48,855	29,247	17,034
9	27,293	32,194	31,690	31,238	30,889	30,343	29,932	47,007	54,153	48,136	28,649	17,260
10	28,071	32,194	31,790	31,221	30,905	30,409	29,932	47,738	54,194	47,480	28,151	17,690
11	28,762	32,059	31,723	31,238	30,806	30,392	29,867	48,255	54,090	46,771	27,451	18,397
12	29,410	32,026	31,706	31,255	30,756	30,376	29,850	48,895	54,194	45,969	26,852	18,946
13	30,146	32,043	31,472	31,255	30,723	30,310	29,801	49,639	54,069	45,250	26,291	19,636
14	30,839	32,026	31,405	31,205	30,690	30,277	29,801	50,265	54,173	44,691	25,582	20,297
15	31,539	31,975	31,455	31,155	30,723	30,277	29,785	50,773	54,173	43,887	24,944	20,996
16	31,841	31,958	31,438	31,138	30,690	30,261	29,687	51,324	54,090	43,223	24,284	21,707
17	32,262	31,975	31,422	31,155	30,723	30,277	30,113	51,733	54,048	42,525	23,765	22,387
18	32,397	31,992	31,505	31,121	30,673	30,244	30,657	52,184	53,965	41,833	23,035	23,107
19	32,363	31,975	31,505	31,138	30,657	30,261	31,288	52,720	53,882	41,257	22,444	23,780
20	32,296	31,958	31,522	31,088	30,723	30,228	32,026	52,906	53,840	40,520	21,890	24,478
21	32,329	31,857	31,505	31,138	30,591	30,228	32,872	53,217	53,819	39,825	21,385	25,125
22	32,228	31,874	31,505	31,121	30,558	30,244	33,693	53,528	53,757	39,188	20,817	25,904
23	32,245	31,925	31,489	31,072	30,574	29,867	34,384	53,715	53,632	38,465	20,283	26,727
24	32,110	31,824	31,472	31,205	30,525	29,899	35,079	53,965	53,507	37,836	19,757	27,483
25	32,127	31,790	31,455	31,088	30,508	29,867	35,778	54,257	53,528	37,157	19,276	28,215
26	32,093	31,757	31,455	31,055	30,508	29,867	36,483	54,299	53,632	36,519	18,671	29,182
27	32,127	31,824	31,472	31,155	30,475	29,899	37,193	54,278	53,736	35,849	18,268	30,146
28	32,245	31,790	31,472	31,171	30,475	29,867	37,997	54,173	53,549	35,306	17,767	31,005
29	32,144	31,790	31,455	31,271	-----	29,867	38,916	54,194	53,424	34,557	17,260	31,857
30	32,161	31,757	31,438	31,255	-----	29,834	39,843	54,132	53,175	33,934	16,860	32,685
31	32,177	-----	31,455	31,255	-----	29,670	-----	54,132	-----	33,522	16,562	-----
MAX	32,397	32,262	31,790	31,422	31,422	30,558	39,843	54,299	54,194	52,762	33,026	32,685
MIN	19,502	31,757	31,405	31,055	30,475	29,670	29,687	40,686	53,175	33,522	16,562	16,194
CHANGE	13,585	-420	-302	-200	-780	-805	10,173	14,289	-957	-19,653	-16,960	16,123
CAL YEAR 1998			MEAN	35,971	MAX	54,700	MIN	13,200				
WTR YEAR 1999			MEAN	34,271	MAX	54,299	MIN	16,194				

NORTH PLATTE RIVER BASIN

WINTERS CREEK RESERVOIR, 00412000 - 1999

LOCATION.--Sec. 13 &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		

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	726	912	899	854	772	672	557	1,256	1,238	1,236	726	537
2	738	919	897	863	770	666	557	1,189	1,233	1,276	714	541
3	750	915	897	856	762	668	555	1,147	1,216	1,316	704	555
4	783	917	899	848	762	666	552	1,133	1,241	1,191	702	555
5	795	919	899	841	760	659	545	1,123	1,263	1,184	696	557
6	799	923	899	843	750	657	537	1,159	1,213	1,157	682	574
7	810	923	895	843	746	655	537	1,083	1,060	1,119	674	583
8	816	923	888	841	740	651	532	1,041	1,046	1,097	666	592
9	822	926	888	837	740	649	546	1,074	1,043	1,074	657	609
10	829	926	888	831	744	639	539	1,111	1,123	1,048	653	618
11	833	926	880	826	738	643	536	1,076	1,043	1,023	641	618
12	843	923	880	826	730	641	529	1,032	1,090	1,000	630	622
13	843	921	882	826	728	632	525	1,046	1,046	982	626	632
14	850	926	873	822	720	628	523	1,064	1,041	966	615	636
15	854	921	873	818	722	624	515	1,027	1,036	948	607	639
16	860	923	873	820	722	624	511	1,055	1,083	928	576	641
17	863	923	867	816	714	620	506	1,029	1,029	912	576	641
18	869	921	875	812	714	613	499	1,027	1,016	893	566	649
19	871	921	875	810	706	607	494	1,029	1,016	875	565	651
20	873	919	875	805	706	605	496	1,016	1,004	856	561	653
21	873	912	882	808	706	602	497	997	997	839	570	657
22	880	915	880	803	696	598	511	1,013	1,078	820	561	657
23	884	915	880	799	690	590	566	1,013	1,064	801	557	661
24	884	910	869	799	684	590	613	1,407	1,060	787	557	659
25	886	908	865	795	686	585	686	1,342	1,057	768	550	664
26	886	906	863	791	680	579	756	1,306	1,041	758	539	670
27	888	910	863	791	676	576	835	1,326	1,046	746	545	672
28	902	910	858	787	668	572	1,025	1,253	1,067	738	536	680
29	902	906	858	783	-----	563	1,111	1,273	1,111	730	527	688
30	912	902	856	781	-----	555	1,206	1,286	1,169	722	518	698
31	912	-----	854	776	-----	559	-----	1,298	-----	726	515	-----
MAX	912	926	899	863	772	672	1,206	1,407	1,263	1,316	726	698
MIN	726	902	854	776	668	555	494	997	997	722	515	537
CHANGE	192	-10.0	-48.0	-78.0	-108	-109	647	92.0	-129	-443	-211	183
CAL YEAR 1998			MEAN	879	MAX	1,230	MIN	628				
WTR YEAR 1999			MEAN	820	MAX	1,407	MIN	494				

NORTH PLATTE RIVER BASIN

MITCHELL & GERING CANAL from North Platte River, 00101100 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74						0	0	199	254	339	260
2	57						0	0	194	256	338	216
3	54						0	0	189	270	333	203
4	55						0	0	192	272	321	209
5	36						0	0	191	290	325	185
6	9.9					0	0	0	192	319	326	176
7						0	0	0	193	347	321	175
8						0	0	0	193	363	319	176
9						0	0	0	192	353	321	175
10						0	0	0	193	346	324	175
11						0	0	0	196	347	324	174
12						0	0	0	188	347	330	173
13						0	0	0	189	355	342	175
14						0	0	0	190	360	344	177
15						0	0	0	163	371	344	175
16						0	0	0	152	371	342	137
17						0	0	105	152	372	343	126
18						0	0	165	165	378	344	129
19						0	0	168	177	368	345	128
20						0	0	172	176	360	345	128
21						0	0	186	175	359	342	128
22						0	0	192	177	362	342	128
23						0	0	189	177	359	342	128
24						0	0	190	178	361	342	129
25						0	0	197	178	357	342	128
26						0	0	198	177	357	341	128
27						0	0	195	182	360	341	129
28						0	0	203	226	363	341	129
29					-----	0	0	202	253	360	320	62
30					-----	0	0	202	254	351	311	31
31		-----			-----	0	-----	203	-----	341	271	-----
TOTAL	285.9					0	0	2,767	5,653	10,629	10,305	4,592
MEAN	47.7					0	0	89.3	188	343	332	153
MAX	74					0	0	203	254	378	345	260
MIN	9.9					0	0	0	152	254	271	31
AC-FT	567					0	0	5,490	11,210	21,080	20,440	9,110
CAL YEAR 1998	MAX	365	MIN	0	AC-FT	77,430						
WTR YEAR 1999	MAX	378	MIN	0	AC-FT	67,900						

NORTH PLATTE RIVER BASIN

GERING CANAL from North Platte River via Mitchell and Gering Canal, 00056000 - 1999

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 & Gering canal and Gering canal flumes.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105						0	0	123	162	208	200
2	34						0	0	117	167	216	191
3	40						0	0	118	173	213	176
4	41						0	0	127	170	207	171
5	43						0	0	129	177	211	138
6	13						0	0	129	187	218	137
7							0	0	128	182	213	132
8							0	0	130	189	206	121
9						0	0	0	129	183	210	114
10						0	0	0	123	177	197	113
11						0	0	0	155	181	198	107
12						0	0	0	127	184	196	99
13						0	0	0	125	183	209	103
14						0	0	8.0	142	184	217	104
15						0	0	10	174	187	213	107
16						0	0	11	79	182	209	99
17						0	0	9.8	89	195	200	95
18						0	0	8.6	103	188	203	105
19						0	0	67	116	200	203	105
20						0	0	119	124	201	201	106
21						0	0	117	123	185	200	102
22						0	0	128	121	179	211	97
23						0	0	127	121	198	214	92
24						0	0	118	122	188	211	94
25						0	0	120	125	185	211	93
26						0	0	120	120	194	202	91
27						0	0	119	132	206	215	95
28						0	0	119	126	212	201	97
29					-----	0	0	121	162	206	197	88
30					-----	0	0	120	158	215	193	13
31		-----			-----	0	-----	121	-----	209	188	-----
TOTAL	276					0	0	1,563.4	3,797	5,829	6,391	3,385
MEAN	46.0					0	0	50.4	127	188	206	113
MAX	105					0	0	128	174	215	218	200
MIN	13					0	0	0	79	162	188	13
AC-FT	547					0	0	3,100	7,530	11,560	12,680	6,710
CAL YEAR 1998	MAX	206	MIN	0	AC-FT	41,570						
WTR YEAR 1999	MAX	218	MIN	0	AC-FT	42,130						

NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from North Platte River, 00145100 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	537	874	1,140	868
2							0	0	556	918	1,150	724
3							0	0	565	1,010	1,160	644
4							0	0	312	1,080	1,120	627
5							0	0	158	1,150	1,080	586
6							0	0	149	1,200	1,070	584
7							0	0	161	1,270	1,050	589
8							0	112	214	1,280	1,020	599
9							0	214	275	1,290	1,010	587
10							0	420	312	1,280	1,060	577
11							0	500	336	1,280	1,180	578
12							0	458	327	1,280	1,200	580
13							0	461	330	1,280	1,180	578
14							0	435	328	1,300	1,150	575
15							0	480	321	1,420	1,160	573
16							0	490	321	1,500	1,160	566
17							0	489	316	1,470	1,160	569
18							0	490	306	1,480	1,170	570
19							0	509	305	1,380	1,160	577
20							0	498	309	1,250	1,170	573
21							0	497	501	1,240	1,170	573
22							0	498	629	1,220	1,160	559
23							0	487	664	1,200	1,150	547
24							0	504	693	1,220	1,130	532
25							0	514	784	1,210	1,140	142
26							0	526	799	1,210	1,100	0
27							0	514	798	1,210	1,050	0
28							0	520	793	1,210	1,040	0
29					-----		0	535	827	1,180	1,030	0
30					-----		0	536	889	1,150	996	0
31		-----			-----		0	536	889	1,150	932	0
TOTAL							0	11,223	13,815	38,202	34,448	14,477
MEAN							0	362	461	1,232	1,111	483
MAX							0	536	889	1,500	1,200	868
MIN							0	0	149	874	932	0
AC-FT							0	22,260	27,400	75,770	68,330	28,720
CAL YEAR 1998	MAX	1,290	MIN	0	AC-FT	226,000						
WTR YEAR 1999	MAX	1,500	MIN	0	AC-FT	222,500						

NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Sheep Creek, 00144700 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	0	50	84	83
2								0	0	50	85	95
3								0	0	51	85	94
4								0	0	50	85	100
5								0	0	50	87	94
6								0	0	51	89	92
7								0	0	51	85	89
8								0	0	51	82	86
9								0	0	51	80	86
10								0	0	51	81	87
11								0	0	51	84	87
12								0	0	51	81	90
13								0	0	54	80	90
14								0	0	55	79	92
15								0	0	56	79	91
16								0	0	56	77	90
17								0	0	59	80	88
18								0	0	62	82	89
19								0	0	67	81	92
20								0	0	78	80	93
21								0	0	71	80	93
22								0	0	68	83	92
23								0	0	70	82	92
24								0	0	71	77	9.0
25								0	0	74	79	0
26								0	0	73	78	0
27								0	0	73	80	0
28								0	0	75	83	0
29					-----			0	42	77	83	0
30					-----			0	50	79	82	0
31		-----			-----		-----	0	-----	81	80	-----
TOTAL								0	92	1,907	2,533	2,094.0
MEAN								0	3.07	61.5	81.7	69.8
MAX								0	50	81	89	100
MIN								0	0	50	77	0
AC-FT								0	182	3,780	5,020	4,150
CAL YEAR 1998	MAX	98	MIN	0	AC-FT	17,180						
WTR YEAR 1999	MAX	100	MIN	0	AC-FT	13,140						

NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Akers Draw, 00144500 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								8.8	8.0	8.5E	13	10
2								8.8	8.0	8.5E	12	8.5
3								8.5	8.0	9.0E	12	8.3
4								8.5	8.0	9.0E	13	8.5
5								8.5	8.0	9.5E	12	8.5
6								8.5	8.3	9.5E	12	8.5
7								8.3	8.3	10 E	10	8.5
8								8.5	8.3	11 E	9.4	8.5
9								8.5	8.3	11 E	9.4	8.5
10								8.5	8.0	12 E	11	8.5
11								8.5	8.1	12 E	13	8.5
12								8.5	8.3	12 E	13	8.5
13								8.8	8.0	13 E	13	8.5
14								8.5	8.1	13	13	8.5
15								8.5	8.0	14	13	8.5
16								8.3	8.0	15	13	8.5
17								8.3	8.2	14	13	8.6
18								8.3	8.3	13	14	8.8
19								8.3	8.3	14	14	8.8
20								8.3	8.3	13	13	8.8
21								8.3	7.4E	13	13	8.8
22								8.3	7.5E	12	13	8.8
23								8.3	7.7E	12	13	8.8
24							8.3	8.3	7.8E	13	13	8.8
25							8.3	8.3	8.0E	13	13	9.1
26							8.5	8.3	8.0E	13	12	9.1
27							8.8	8.0	8.2E	13	12	9.1
28							8.5	8.0	8.4E	13	13	9.1
29					-----		8.5	8.0	8.5E	13	12	9.1
30					-----		8.5	8.0	8.5E	12	13	9.1
31		-----			-----		-----	8.0	-----	13	12	-----
TOTAL							59.4	259.5	242.8	371.0	384.8	262.1
MEAN							8.49	8.37	8.09	12.0	12.4	8.74
MAX							8.8	8.8	8.5	15	14	10
MIN							8.3	8.0	7.4	8.5	9.4	8.3
AC-FT							118	515	482	736	763	520
CAL YEAR 1998	MAX	19	MIN	8.0	AC-FT	3,390						
WTR YEAR 1999	MAX	15	MIN	7.4	AC-FT	3,130						

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Dry Spotted Tail Creek, 00144600 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	0	8.0	21	29
2								0	0	9.0	20	38
3								0	0	9.0	19	33
4								0	0	9.0	19	11
5								0	0	9.0	19	0
6								0	0	8.0	20	0
7								0	0	9.0	19	0
8								0	0	10	18	0
9								0	0	11	18	0
10								0	0	10	19	0
11								0	0	11	19	0
12								0	0	11	18	0
13								0	0	12	19	0
14								0	0	11	18	0
15								0	0	12	17	0
16								0	0	12	18	0
17								0	0	19	19	0
18								0	0	17	19	0
19								0	0	19	19	0
20								0	0	22	18	0
21								0	0	18	19	0
22								0	0	16	20	0
23								0	0	17	20	0
24								0	0	17	20	0
25								0	0	17	21	0
26								0	0	17	23	0
27								0	0	17	27	0
28								0	0	17	30	0
29					-----			0	0	17	25	0
30					-----			0	2.0	16	22	0
31		-----			-----		-----	0	-----	18	22	-----
TOTAL								0	2.0	425.0	625	111
MEAN								0	.067	13.7	20.2	3.70
MAX								0	2.0	22	30	38
MIN								0	0	8.0	17	0
AC-FT								0	4.0	843	1,240	220
CAL YEAR 1998	MAX	24	MIN	0	AC-FT	3,550						
WTR YEAR 1999	MAX	38	MIN	0	AC-FT	2,310						

NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Wet Spotted Tail Creek, 00144900 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	7.0	8.0	3.0	10	28
2	33	0	0	0	0	0	0	7.0	7.0	3.0	7.0	27
3	0	0	0	0	0	0	0	7.0	8.0	0	6.0	32
4	53	0	0	0	0	0	0	7.0	8.0	3.0	8.0	29
5	0	0	0	0	0	0	0	6.0	8.0	3.0	7.0	18
6	0	0	0	0	0	0	0	6.0	8.0	3.0	6.0	17
7	0	0	0	0	0	0	0	6.0	7.0	0	6.0	15
8	0	0	0	0	0	0	0	6.0	6.0	0	6.0	14
9	0	0	0	0	0	0	0	6.0	6.0	3.0	6.0	15
10	0	0	0	0	0	0	0	8.0	9.0	3.0	6.0	15
11	0	0	0	0	0	0	0	8.0	24	4.0	6.0	15
12	0	0	0	0	0	0	0	7.0	8.0	7.0	6.0	17
13	0	0	0	0	0	0	0	6.0	9.0	6.0	11	15
14	0	0	0	0	0	0	0	7.0	10	6.0	12	14
15	0	0	0	0	0	0	0	8.0	14	7.0	11	15
16	0	0	0	0	0	0	0	8.0	10	7.0	10	15
17	0	0	0	0	0	0	0	8.0	9.0	8.0	10	15
18	0	0	0	0	0	0	0	8.0	9.0	8.0	11	15
19	0	0	0	0	0	0	0	8.0	8.0	9.0	11	16
20	0	0	0	0	0	0	0	4.0	8.0	10	10	20
21	0	0	0	0	0	0	0	4.0	7.0	10	10	24
22	0	0	0	0	0	0	0	4.0	7.0	11	11	23
23	0	0	0	0	0	0	8.0	4.0	5.0	13	10	22
24	0	0	0	0	0	0	7.0	4.0	0	15	10	22
25	0	0	0	0	0	0	9.0	4.0	0	10	9.0	21
26	0	0	0	0	0	0	8.0	4.0	4.0	8.0	6.0	21
27	0	0	0	0	0	0	7.0	3.0	4.0	8.0	10	21
28	0	0	0	0	0	0	7.0	4.0	3.0	7.0	10	22
29	0	0	0	0	-----	0	7.0	6.0	3.0	7.0	8.0	23
30	0	0	0	0	-----	0	7.0	7.0	3.0	6.0	9.0	23
31	0	-----	0	0	-----	0	-----	7.0	-----	9.0	9.0	-----
TOTAL	86	0	0	0	0	0	60.0	189.0	220.0	197.0	268.0	589
MEAN	2.77	0	0	0	0	0	2.00	6.10	7.33	6.35	8.65	19.6
MAX	53	0	0	0	0	0	9.0	8.0	24	15	12	32
MIN	0	0	0	0	0	0	0	3.0	0	0	6.0	14
AC-FT	171	0	0	0	0	0	119	375	436	391	532	1,170
CAL YEAR 1998	TOTAL	1,785.0	MEAN	4.89	MAX	53	MIN	0	AC-FT	3,540		
WTR YEAR 1999	TOTAL	1,609.0	MEAN	4.41	MAX	53	MIN	0	AC-FT	3,190		

NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Tub Springs, 00144800 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	0	17	28	35
2								0	0	17	26	30
3								0	0	20	25	30
4								0	0	21	25	6.0
5								0	0	23	26	0
6								0	0	25	27	0
7								0	0	27	27	0
8								0	0	27	25	0
9								0	0	27	25	0
10								0	0	27	25	0
11								0	0	26	24	0
12								0	0	26	24	0
13								0	0	27	21	0
14								0	0	26	26	0
15								0	0	29	35	0
16								0	0	30	33	0
17								0	0	29	33	0
18								0	0	26	31	0
19								0	0	28	31	0
20								0	0	27	31	0
21								0	0	27	33	0
22								0	0	26	31	0
23								0	0	26	30	0
24								0	0	28	30	0
25								0	0	25	30	0
26								0	0	25	29	0
27								0	0	28	30	0
28								0	0	27	28	0
29					-----			0	0	24	27	0
30					-----			0	5.0	26	27	0
31		-----			-----		-----	0	-----	27	30	-----
TOTAL								0	5.0	794	873	101.0
MEAN								0	.17	25.6	28.2	3.37
MAX								0	5.0	30	35	35
MIN								0	0	17	21	0
AC-FT								0	9.9	1,570	1,730	200
CAL YEAR 1998	MAX	63	MIN	0	AC-FT	7,380						
WTR YEAR 1999	MAX	35	MIN	0	AC-FT	3,520						

NORTH PLATTE RIVER BASIN

NORTHPORT CANAL from North Platte River and Drains via Tri-State Canal, 00115100 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	129	233	262	247
2								0	128	229	261	238
3								0	131	242	262	214
4								0	128	253	263	224
5								0	124	251	257	192
6								0	98	254	260	153
7								0	54	254	257	142
8								0	34	258	252	133
9								0	29	251	244	141
10								0	51	247	234	125
11								0	107	257	234	126
12								0	145	256	242	140
13								81	122	244	253	138
14								124	125	234	256	131
15								128	137	251	250	127
16								129	124	255	255	123
17								136	113	260	259	118
18								145	98	262	255	118
19								128	101	261	255	119
20								133	106	258	257	128
21								124	101	255	258	127
22								125	107	259	257	127
23								124	123	254	254	121
24								125	121	250	251	115
25								128	143	252	255	103
26								128	171	254	257	40
27								128	172	259	253	4.4
28								128	183	263	252	0
29					-----			128	199	262	253	0
30					-----			127	213	265	256	0
31		-----			-----		-----	129	-----	263	256	-----
TOTAL								2,398	3,617	7,846	7,870	3,714.4
MEAN								77.4	121	253	254	124
MAX								145	213	265	263	247
MIN								0	29	229	234	0
AC-FT								4,760	7,170	15,560	15,610	7,370
CAL YEAR 1998	MAX	265	MIN	0	AC-FT	50,950						
WTR YEAR 1999	MAX	265	MIN	0	AC-FT	50,470						

NORTH PLATTE RIVER BASIN

HORSE CREEK near Lyman, 06677500 - 1999

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 good, 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 935 cubic feet per second June 15, gage height 6.52 feet; minimum daily discharge 15 cubic feet per second April 19-21.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110E	53	36	42E	29	19	16	19	225	245	99	197
2	94	57	39	35E	26	19	18	88	237	196	99	514
3	89	67	39	35E	28	19	19	299	212	168	96	459
4	97	62	36	35E	27	20	19	340	132	167	99	557
5	104	57	36	35E	28	20	18	257	132	186	111	401
6	87	55	34	36E	26	19	17	247	150	162	116	372
7	82	56	34E	34E	26	19	16	249	164	132	110	353
8	77	55	34E	33	25	20	18	226	175	120	102	344
9	74	57	34E	32	25	20	20	226	174	111	104	333
10	70	52	34	35	25	20	25	244	181	100	98	318
11	68	54	38	38	25	19	23	258	291	97	109	299
12	66	57	36	40	24	20	20	254	216	87	92	305
13	65	56	36	35	27	20	18	210	217	79	85	321
14	64	53	36	33	25	20	18	192	363	70	86	340
15	63	53	36	36	24	19	19	194	545	69	88	339
16	63	51	35	33	23	18	18	210	288	69	84	332
17	65	50	35	33	23	18E	17	303	258	75	78	303
18	62	49	35	30	23	18E	16	249	261	74	83	314
19	59	47	33	34	23	18E	15	197	259	77	82	324
20	58	46	30E	32	22	18	15	207	253	92	81	330
21	56	45	28E	31	21	18	15	227	245	88	92	362
22	55	43	26E	31	21	19	17	213	228	82	106	387
23	54	42	28E	29	20	18	20	202	211	81	95	299
24	55	41	30E	30	21	18	18	194	210	79	96	209
25	53	40	30E	27	21	18	27	186	184	79	106	146
26	52	39	35E	30	20	17	33	163	217	82	110	118
27	51	39	35E	30	19	17	24	159	249	81	117	103
28	59	38	40E	28	20	17	19	188	277	80	122	95
29	65	38	41	28	-----	17	17	193	314	83	126	89
30	57	37	41	29	-----	16	18	205	304	80	121	83
31	54	-----	42	30	-----	16	-----	199	-----	83	128	-----
TOTAL	2,128	1,489	1,082	1,019	667	574	573	6,598	7,172	3,274	3,121	8,946
MEAN	68.6	49.6	34.9	32.9	23.8	18.5	19.1	213	239	106	101	298
MAX	110	67	42	42	29	20	33	340	545	245	128	557
MIN	51	37	26	27	19	16	15	19	132	69	78	83
AC-FT	4,220	2,950	2,150	2,020	1,320	1,140	1,140	13,090	14,230	6,490	6,190	17,740
CAL YEAR 1998	TOTAL	42,344	MEAN	116	MAX	338	MIN	26	AC-FT	83,990		
WTR YEAR 1999	TOTAL	36,643	MEAN	100	MAX	557	MIN	15	AC-FT	72,680		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

SHEEP CREEK near Morrill, 06678000 - 1999

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 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 except estimated records are poor.

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 131 cubic feet per second October 4, gage height 2.78 feet; minimum daily discharge 2.8 cubic feet per second July 1.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	90	84	79	70	67	73	60	59	2.8E	3.7	3.8
2	100	94	83	78	69	67	74	59	58	2.9	3.6	3.7
3	101	97	84	77	68	68	74	59	58	3.0	3.8	3.6
4	120	95	83	78	68	69	74	59	58	3.0	3.8	3.4
5	123	93	82	78	70	69	74	58	60	3.1	3.8	3.2
6	114	92	82	77	70	68	72	57	61	3.2	3.9	3.1
7	109	92	81	76	69	68	70	56	59	3.5	3.7	3.0
8	106	91	79	76	69	69	68	56	59	3.5	3.8	3.7
9	103	93	77	76	69	68	66	57	59	3.4	3.6	4.5
10	103	91	77	76	69	69	68	61	60	3.5	3.7	3.8
11	101	90	77	76	68	68	65	60	75	3.5	3.6	3.5
12	99	90	77	75	68	69	64	61	63	3.5	3.5	3.6
13	99	91	77	75	69	69	63	61	65	3.5	3.6	3.5
14	98	90	77	75	69	69	62	62	65	3.5	3.7	3.6
15	97	90	76	75	69	69	62	63	76	3.6	3.6	3.7
16	98	89	76	74	69	69	61	63	65	3.6	3.7	5.0
17	100	89	77	73	69	69	61	64	63	3.6	3.9	7.5
18	98	88	76	73	69	69	60	63	63	3.6	3.9	6.2
19	96	87	75	73	69	70	59	62	61	3.8	4.1	3.6
20	95	86	77	73	70	70	59	63	61	3.5	3.7	3.4
21	94	86	76	72	69	71	60	63	60	3.3	3.8	3.2
22	93	86	74	72	69	71	61	63	60	3.3	3.8	3.1
23	93	88	76E	72	68	72	60	61	59	3.2	3.8	3.0
24	93	88	78E	71	68	71	60	61	58	3.1	3.7	65
25	91	87	80E	71	68	71	64	61	58	3.2	3.6	99
26	92	86	80E	72	68	72	61	61	60	3.1	3.6	98
27	91	86	80E	71	68	73	60	61	64	3.2	3.8	100
28	97	86	80E	70	68	73	59	60	22 E	3.2	3.9	98
29	95	86	78	70	-----	73	59	59	3.0E	3.6	3.9	98
30	91	84	79	70	-----	73	60	59	3.0E	3.9	3.9	98
31	90	-----	79	70	-----	73	-----	60	-----	3.9	3.7	-----
TOTAL	3,076	2,681	2,437	2,294	1,926	2,166	1,933	1,873	1,695.0	104.6	116.2	744.7
MEAN	99.2	89.4	78.6	74.0	68.8	69.9	64.4	60.4	56.5	3.37	3.75	24.8
MAX	123	97	84	79	70	73	74	64	76	3.9	4.1	100
MIN	90	84	74	70	68	67	59	56	3.0	2.8	3.5	3.0
AC-FT	6,100	5,320	4,830	4,550	3,820	4,300	3,830	3,720	3,360	207	230	1,480
CAL YEAR 1998 TOTAL		18,700.3	MEAN	51.2	MAX	123	MIN	2.3	AC-FT	37,090		
WTR YEAR 1999 TOTAL		21,046.5	MEAN	57.7	MAX	123	MIN	2.8	AC-FT	41,750		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

ENTERPRISE CANAL from North Platte River, 00040000 - 1999

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916, 1919 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67					0	0	1.7	64	83	115	58
2	28					0	0	8.1	65	84	108	52
3	0					0	0	26	66	85	103	30
4	0					0	0	19	65	88	104	31
5	0					0	0	19	64	95	93	30
6	0					0	0	19	64	100	76	29
7	0					0	0	20	62	104	67	29
8	0					0	0	20	56	108	81	30
9	0					0	0	20	56	114	83	31
10	0					0	0	19	56	113	84	31
11	0					0	0	21	54	112	91	31
12	0					0	0	26	47	110	85	30
13	0					0	0	34	43	112	87	30
14	0					0	0	40	49	114	102	29
15	0					0	0	44	56	111	102	29
16	0					0	0	46	49	101	96	29
17	0					0	0	47	54	107	93	29
18	0					0	0	49	51	103	88	30
19	0					0	0	52	52	115	86	30
20	0					0	0	59	51	125	89	31
21	0					0	0	65	52	108	98	31
22	0					0	0	66	56	112	111	30
23	0					0	0	66	61	116	84	30
24	0					0	0	64	66	111	83	29
25	0					0	0	63	71	113	88	25
26	0					0	0	63	76	113	84	21
27	0					0	0	64	85	113	79	9.2
28	0					0	0	64	82	117	60	0
29	0				-----	0	0	63	78	123	54	0
30	0				-----	0	0	63	81	122	53	0
31	0	-----			-----	0	-----	63	-----	119	56	-----
TOTAL	95					0	0	1,293.8	1,832	3,351	2,683	824.2
MEAN	3.06					0	0	41.7	61.1	108	86.5	27.5
MAX	67					0	0	66	85	125	115	58
MIN	0					0	0	1.7	43	83	53	0
AC-FT	188					0	0	2,570	3,630	6,650	5,320	1,630
CAL YEAR 1998	MAX	134	MIN	0	AC-FT	25,250						
WTR YEAR 1999	MAX	125	MIN	0	AC-FT	19,990						

NORTH PLATTE RIVER BASIN

DRY SPOTTED TAIL CREEK at Mitchell, 06679000 - 1999

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 good, 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 183 cubic feet per second September 4, gage height 2.12 feet; minimum daily discharge 10 cubic feet per second April 7.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	44	22	25	20	19	16	48	24	55	98	86
2	48	43	24	25	20	19	17	48	24	58	96	115
3	55	48	25	24	20	18	17	63	26	58	86	113
4	61	44	25	24	20	18	17	56	24	65	86	115
5	65	42	24	24	20	19	16	70	24	63	87	85
6	59	42	23	24	19	19	15	74	24	62	81	83
7	55	42	23	22	20	18	13	71	23	61	72	82
8	53	41	23	20	19	18	14	58	22	60	70	80
9	52	41E	24	21	19	18	15	44	22	66	61	78
10	51	41E	23	21	19	18	17	43	23	67	58	74
11	50	40E	24	22	18	18	15	41	55	69	62	73
12	49	40E	24	21	18	21	15	36	30	67	62	71
13	48	40E	24	21	19	21	15	44	39	64	56	73
14	48	40E	24	21	19	21	15	43	28	62	55	74
15	48	40E	25	21	19	20	15	42	63	61	54	77
16	48	30E	24	20	19	20	15	46	27	60	53	78
17	48	25	25	20	19	19	15	37	22	86	50	76
18	47	25	24	20	19	20	15	30	21	95	51	70
19	45	24	23	20	19	20	16	29	21	108	46	69
20	44	19	22	21	19	19	16	42	21	114	46	71
21	43	24	22E	21	19	19	17	43	21	103	52	71
22	44	25	22E	21	19	19	18	37	21	100	67	65
23	44E	24	23E	21	20	19	17	34	21	94	57	69
24	44E	23	23E	20	20	18	17	39	21	96	49	73
25	44E	23	23E	21	19	18	21	43	32	95	54	73
26	44E	24	24E	21	19	18	19	34	65	96	53	72
27	44E	24	24E	19	19	18	18	25	69	97	63	77
28	44E	24	25E	20	19	18	15	26	67	96	76	63
29	43E	25	25	20	-----	18	18	23	61	102	78	45
30	44E	24	26	20	-----	17	37	23	62	103	76	40
31	44	-----	26	21	-----	17	-----	24	-----	93	71	-----
TOTAL	1,495	991	738	662	538	582	506	1,316	1,003	2,476	2,026	2,291
MEAN	48.2	33.0	23.8	21.4	19.2	18.8	16.9	42.5	33.4	79.9	65.4	76.4
MAX	65	48	26	25	20	21	37	74	69	114	98	115
MIN	39	19	22	19	18	17	13	23	21	55	46	40
AC-FT	2,970	1,970	1,460	1,310	1,070	1,150	1,000	2,610	1,990	4,910	4,020	4,540
CAL YEAR 1998 TOTAL		13,158	MEAN	36.0	MAX	119	MIN	10	AC-FT	26,100		
WTR YEAR 1999 TOTAL		14,624	MEAN	40.1	MAX	115	MIN	13	AC-FT	29,010		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER at Mitchell, 06679500 - 1999

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 are records 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 5,460 cubic feet per second June 15, gage height 7.85 feet; minimum daily discharge 302 cubic feet per second August 20.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	956	710	558	506	470	397	411	1,840	3,320	3,430	1,480	508
2	951	715	558	500E	463	397	421	2,320	3,410	3,420	1,270	1,060
3	908	753	556	490E	462	399	460	2,900	3,470	3,440	970	1,190
4	920	743	549	490E	462	402	530	3,320	3,480	3,190	809	1,320
5	942	730	543	502	465	406	623	3,330	3,700	3,000	703	1,220
6	927	723	535	496	462	405	698	3,410	3,800	2,780	613	1,120
7	892	712	528	491	461	404	734	3,450	3,900	2,640	534	1,080
8	876	701	529	486	458	415	757	3,500	3,860	2,700	457	977
9	900	703	531	481	457	413	818	3,580	3,730	2,860	425	947
10	855	683	527	484	457	416	858	3,530	3,690	2,850	401	929
11	822	676	522	487	450	416	869	3,100	4,230	2,830	414	869
12	799	666	523	495	443	420	880	3,260	4,150	2,820	402	819
13	783	661	524	491	454	421	877	3,260	4,040	2,830	376	793
14	776	653	519	485	453	419	893	3,140	4,160	2,740	382	798
15	762	648	516	480E	452	424	908	2,850	4,950	2,740	380E	810
16	756	637	515	480E	447	425	919	2,880	4,390	2,020	360E	773
17	767	622	510	480E	445	421	981	2,740	4,260	1,410	340E	726
18	753	615	510	470E	444	418	1,010	2,600	4,200	1,260	320E	683
19	735	608	510E	470E	441	416	1,030	2,560	4,080	1,260	308	682
20	725	602	500E	470E	434	419	1,050	2,710	4,010	1,450	302	686
21	715	596	500E	474	428	418	1,060	2,810	3,840	1,380	307	951
22	712	592	500E	470E	426	417	1,080	2,780	3,540	1,340	353	1,180
23	703	584	500E	470E	419	413	1,110	2,760	3,510	1,350	345	1,190
24	704	584	510E	470E	416	412	1,240	2,720	3,510	1,310	310	1,210
25	694	579	510E	470E	415	411	1,350	2,740	3,530	1,290	302	1,140
26	692	578	510E	460E	410	408	1,410	2,790	3,560	1,310	308	1,030
27	686	571	510E	460E	405	412	1,410	2,990	3,620	1,300	336	945
28	722	569	500E	460E	402	414	1,560	3,190	3,690	1,320	407	900
29	747	566	500E	460E	-----	412	1,680	3,140	3,370	1,370	443	963
30	739	561	500E	465	-----	412	1,590	3,190	3,340	1,450	427	1,020
31	722	-----	497	469	-----	411	-----	3,210	-----	1,470	440	-----
TOTAL	24,641	19,341	16,100	14,862	12,401	12,793	29,217	92,600	114,340	66,560	15,224	28,519
MEAN	795	645	519	479	443	413	974	2,987	3,811	2,147	491	951
MAX	956	753	558	506	470	425	1,680	3,580	4,950	3,440	1,480	1,320
MIN	686	561	497	460	402	397	411	1,840	3,320	1,260	302	508
AC-FT	48,880	38,360	31,930	29,480	24,600	25,370	57,950	183,700	226,800	132,000	30,200	56,570

CAL YEAR 1998	TOTAL	312,914	MEAN	857	MAX	3,840	MIN	259	AC-FT	620,700
WTR YEAR 1999	TOTAL	446,598	MEAN	1,224	MAX	4,950	MIN	302	AC-FT	885,800

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

TUB SPRINGS near Scottsbluff, 06680000 - 1999

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, 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 398 cubic feet per second September 1, gage height 2.54 feet; minimum daily discharge 20 cubic feet per second March 30, 31.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	43	37	30	34	26	21	28	67	55	93	126
2	52	47	37	29	33	26	21	28	72	58	94	129
3	52	48	37	28	32	25	21	27	75	56	94	103
4	62	46	37	29	32	25	21	29	69	53	96	93
5	63	44	36	30	32	25	21	25	65	51	90	85
6	58	45	36	30	31	26	21	22	63	49	82	83
7	58	45	35	31	31	25	21	25	58	47	66	84
8	58	45	35	31	31	25	22	40	52	42	69	82
9	58	45	35	31	30	24	22	41	48	42	63	88
10	58	43	35	32	30	23	23	44	49	43	65	89
11	56	44	35	33	28	23	22	42	69	45	69	89
12	54	43	35	36	28	23	21	49	48	43	67	89
13	53	43	35	33	28	23	22	53	48	34	62	88
14	52	43	34	33	29	23	22	59	52	36	64	91
15	52	43	36	34	29	22	22	61	76	36	52	94
16	51	43	38	34	28	22	22	63	60	36	47	92
17	52	42	36	34	29	22	22	64	59	44	43	92
18	50	42	36	34	28	22	22	60	60	44	41	92
19	48	41	35	34	28	22	21	60	62	53	45	92
20	49	40	34	33	27	23	22	62	60	58	47	92
21	49	39	34	34	27	23	22	66	56	53	58	94
22	47	40	34	33	27	23	24	66	55	51	65	95
23	47	39	34	33	27	23	24	66	54	50	57	91
24	43	39	33	33	26	22	24	60	55	49	48	89
25	40	38	31	33	26	22	29	58	56	49	54	90
26	43	38	31	33	26	21	28	60	56	47	57	88
27	44	38	31	34	26	21	27	57	68	50	99	85
28	51	38	31	33	26	21	28	57	84	52	81	66
29	45	38	30	33	-----	21	28	59	73	64	69	61
30	43	37	30	34	-----	20	28	60	63	65	63	58
31	43	-----	30	34	-----	20	-----	62	-----	69	63	-----
TOTAL	1,581	1,259	1,063	1,006	809	712	694	1,553	1,832	1,524	2,063	2,690
MEAN	51.0	42.0	34.3	32.5	28.9	23.0	23.1	50.1	61.1	49.2	66.5	89.7
MAX	63	48	38	36	34	26	29	66	84	69	99	129
MIN	40	37	30	28	26	20	21	22	48	34	41	58
AC-FT	3,140	2,500	2,110	2,000	1,600	1,410	1,380	3,080	3,630	3,020	4,090	5,340

CAL YEAR 1998	TOTAL	14,241	MEAN	39.0	MAX	104	MIN	20	AC-FT	28,250
WTR YEAR 1999	TOTAL	16,786	MEAN	46.0	MAX	129	MIN	20	AC-FT	33,300

NORTH PLATTE RIVER BASIN

WINTERS CREEK CANAL from North Platte River, 00148000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						0	0	0	19	11	21	21
2						0	0	0	19	11	20	21
3						0	0	0	19	14	20	17
4						0	0	0	19	16	19	17
5						0	0	0	19	16	18	17
6						0	0	0	19	17	16	17
7						0	0	0	19	19	15	16
8						0	0	0	18	19	17	16
9						0	0	0	18	21	19	18
10							0	6.8	17	22	19	19
11						0	0	9.7	18	22	18	18
12						0	0	9.7	18	22	19	18
13						0	0	9.9	18	24	18	18
14						0	0	12	18	26	18	18
15						0	0	15	16	26	18	18
16						0	0	15	13	24	17	19
17						0	0	15	12	20	17	21
18						0	0	16	12	20	17	20
19						0	0	16	12	20	17	21
20						0	0	17	14	21	18	21
21						0	0	17	15	21	19	22
22						0	0	17	15	20	21	24
23						0	0	17	14	20	21	24
24						0	0	17	14	20	21	24
25						0	0	17	14	19	21	24
26						0	0	17	14	20	21	23
27						0	0	17	14	20	21	9.7
28						0	0	18	12	19	24	0
29					-----	0	0	18	10	20	22	0
30					-----	0	0	19	10	21	20	0
31		-----			-----	0	-----	19	-----	21	20	-----
TOTAL						0	0	335.1	469	612	592	521.7
MEAN						0	0	10.8	15.6	19.7	19.1	17.4
MAX						0	0	19	19	26	24	24
MIN						0	0	0	10	11	15	0
AC-FT						0	0	665	930	1,210	1,170	1,030
CAL YEAR 1998	MAX	29	MIN	0	AC-FT	6,560						
WTR YEAR 1999	MAX	26	MIN	0	AC-FT	5,020						

NORTH PLATTE RIVER BASIN

WINTERS CREEK CANAL from Winters Creek, 00149000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	0	24	15	25
2							0	0	8.7	25	0	0
3							0	0	17	28	0	0
4							0	0	18	30	20	0
5							0	0	19	31	28	0
6							0	0	20	33	31	0
7							0	0	19	40	34	0
8							0	0	17	42	32	0
9							0	0	17	45	46	0
10							0	0	19	48	53	0
11						0	0	3.4	22	48	53	0
12						0	0	6.8	21	49	56	0
13						0	0	10	21	51	56	0
14						0	0	11	21	50	57	0
15						0	0	12	8.1	51	57	0
16						0	0	14	0	54	57	0
17						0	0	13	0	56	57	0
18						0	0	10	0	57	57	0
19						0	0	10	0	57	55	0
20						0	0	11	0	58	53	0
21						0	0	10	8.6	58	54	0
22						0	0	10	13	58	53	0
23						0	0	11	17	55	53	0
24						0	0	13	13	53	54	0
25						0	0	11	16	53	54	0
26						0	0	11	23	53	53	0
27						0	0	12	17	53	32	0
28						0	0	12	0	53	0	0
29					-----	0	0	12	0	51	0	0
30					-----	0	0	13	13	50	18	0
31		-----			-----	0	-----	3.7	-----	52	30	-----
TOTAL						0	0	219.9	368.4	1,466	1,218	25
MEAN						0	0	7.09	12.3	47.3	39.3	.83
MAX						0	0	14	23	58	57	25
MIN						0	0	0	0	24	0	0
AC-FT						0	0	436	731	2,910	2,420	50
CAL YEAR 1998	MAX	57	MIN	0	AC-FT	9,010						
WTR YEAR 1999	MAX	58	MIN	0	AC-FT	6,540						

NORTH PLATTE RIVER BASIN

CENTRAL CANAL from North Platte River, 00022000 - 1999

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

GAGE.--Continuous stage recorder and concrete box

PERIOD OF RECORD.--1919 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	16	26	26	16
2							0	12	4.6	27	23	12
3							0	17	0	27	20	8.5
4							0	16	0	26	19	8.5
5							0	14	0	27	21	7.2
6							0	12	0	29	19	6.6
7							0	14	0	29	20	6.2
8							0	10	0	30	23	4.4
9							0	8.1	0	30	24	4.3
10						0	0	12	0	31	24	3.6
11						0	0	0	0	31	24	10
12						0	0	0	0	32	24	15
13						0	0	0	0	32	25	14
14						0	0	0	0	32	26	15
15						0	0	0	0	31	26	15
16						0	0	0	0	29	26	13
17						0	0	0	0	24	26	11
18						0	0	0	0	30	26	11
19						0	0	4.5	0	32	26	11
20						0	0	14	0	31	26	7.6
21						0	0	16	0	29	25	7.8
22						0	0	16	0	30	25	11
23						0	0	16	3.3	31	26	8.2
24						0	0	15	16	31	26	6.1
25						0	0	16	16	32	26	6.0
26						0	0	17	19	33	26	5.0
27						0	0	17	25	31	25	1.8
28						0	0	18	22	23	23	0
29					-----	0	0	18	19	30	24	0
30					-----	0	0	18	23	29	23	0
31		-----			-----	0	-----	16	-----	31	16	-----
TOTAL						0	0	316.6	163.9	916	739	245.8
MEAN						0	0	10.2	5.46	29.5	23.8	8.19
MAX						0	0	18	25	33	26	16
MIN						0	0	0	0	23	16	0
AC-FT						0	0	628	325	1,820	1,470	488
CAL YEAR 1998	MAX	36	MIN	0	AC-FT	6,280						
WTR YEAR 1999	MAX	33	MIN	0	AC-FT	4,720						

NORTH PLATTE RIVER BASIN

WINTERS CREEK near Scottsbluff, 06681000 - 1999

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 341 cubic feet per second May 11, gage height 5.24 feet; minimum daily discharge 26 cubic feet per second February 27.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	60	49	42	34	30	39	39	61	52	144	118
2	71	63	50	42	34	33	38	39	43	54	186	196
3	71	64	48	39	33	33	38	39	42	52	142	197
4	83	63	46	41	30	32	39	39	44	54	109	186
5	81	63	45	44	30	33	39	38	44	53	108	181
6	76	63	45	42	29	33	39	45	46	47	96	180
7	75	61	44	41	28	33	38	44	47	41	81	174
8	74	59	42	41	28	33	37	45	46	34	75	170
9	73	60	39	40	29	33	40	45	45	34	60	172
10	72	59	40	39	28	33	38	56	47	34	47	173
11	70	57	42	39	27	32	37	125	54	32	48	170
12	69	56	43	39	27	33	37	77	54	29	47	170
13	69	57	41	39	27	33	38	65	54	27	47	165
14	70	58	41	38	27	34	37	60	55	28	50	162
15	70	57	40	39	27	36	37	66	71	27	51	166
16	69	54	42	38	28	38	36	69	66	29	51	169
17	70	54	42	37	28	36	36	71	64	34	52	170
18	69	54	42	37	28	33	37	73	64	34	49	169
19	67	52	45	36	28	33	37	77	62	47	50	169
20	68	54	45	36	29	33	37	77	63	78	57	173
21	66	50	43	36	29	33	37	71	50	55	61	172
22	64	52	41	36	29	32	38	63	63	40	60	175
23	65	57	40	36	28	36	37	56	90	39	60	182
24	64	58	39	35	28	38	38	52	77	39	59	179
25	64	54	39	35	27	38	42	43	46	39	58	172
26	64	51	40	38	27	38	40	42	65	40	58	146
27	66	49	39	37	26	39	39	46	101	41	91	96
28	66	49	41	35	26	38	39	49	98	43	134	76
29	63	49	42	33	-----	38	38	49	74	50	141	77
30	62	47	40	35	-----	38	38	48	56	55	122	67
31	61	-----	41	36	-----	39	-----	58	-----	62	91	-----
TOTAL	2,139	1,684	1,316	1,181	799	1,074	1,140	1,766	1,792	1,323	2,485	4,772
MEAN	69.0	56.1	42.5	38.1	28.5	34.6	38.0	57.0	59.7	42.7	80.2	159
MAX	83	64	50	44	34	39	42	125	101	78	186	197
MIN	61	47	39	33	26	30	36	38	42	27	47	67
AC-FT	4,240	3,340	2,610	2,340	1,580	2,130	2,260	3,500	3,550	2,620	4,930	9,470
CAL YEAR 1998 TOTAL		19,805	MEAN	54.3	MAX	207	MIN	29	AC-FT	39,280		
WTR YEAR 1999 TOTAL		21,471	MEAN	58.8	MAX	197	MIN	26	AC-FT	42,590		

NORTH PLATTE RIVER BASIN

MINATARE CANAL from North Platte River, 00099000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	26					0	33	47	37	85	64
2	37	11					0	32	47	37	71	46
3	32	0					0	48	47	37	59	32
4	25	0					0	53	47	36	54	19
5	26	0					0	43	47	49	55	12
6	31	0					0	42	47	55	47	11
7	32	0					0	43	47	55	45	17
8	32	0					0	43	47	61	58	30
9	32	0					0	43	47	70	66	29
10	33	0					0	42	47	78	75	39
11	32	0					0	25	50	83	77	43
12	32	0					0	31	49	83	82	38
13	34	0					0	34	47	83	82	38
14	35	0					0	37	49	86	84	38
15	33	0					0	40	66	89	87	38
16	35	0					0	51	53	90	87	37
17	40	0					0	45	49	86	85	37
18	34	0					0	44	48	90	83	37
19	29	0					9.4	44	48	94	82	37
20	29	0					19	46	48	97	76	38
21	29	0					19	45	43	96	72	39
22	29	0					19	46	45	93	67	42
23	29	0					19	47	47	92	70	43
24	29	0					19	46	45	93	78	43
25	28	0					17	46	45	96	79	44
26	28	0					16	47	44	97	90	43
27	29	0					33	47	44	98	102	43
28	31	0					43	47	40	100	94	42
29	32	0					39	47	38	101	87	42
30	31	0					34	47	37	98	82	43
31	30	-----					-----	47	-----	96	74	-----
TOTAL	978	37					286.4	1,331	1,405	2,456	2,335	1,104
MEAN	31.5	1.23					9.55	42.9	46.8	79.2	75.3	36.8
MAX	40	26					43	53	66	101	102	64
MIN	25	0					0	25	37	36	45	11
AC-FT	1,940	73					568	2,640	2,790	4,870	4,630	2,190
CAL YEAR 1998	MAX	96	MIN	0	AC-FT	19,820						
WTR YEAR 1999	MAX	102	MIN	0	AC-FT	19,700						

NORTH PLATTE RIVER BASIN

GERING CREEK near Gering, 06681500 - 1999

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 4,320 cubic feet per second June 14, gage height 14.78 feet; minimum daily discharge 16 cubic feet per second May 2.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	30	28	25	23	22	21	17	181	159	173	255
2	62	33	28	24E	22	22	21	16	166	134	169	325
3	70	34	28	23	22	22	20	114	164	133	194	367
4	84	32	28	24	21	22	20	136	165	136	190	290
5	84	31	28	25	22	22	20	137	170	119	183	185
6	60	31	28	24	21	21	20	146	182	135	179	180
7	38	31	27	24	22	21	21	145	183	129	177	164
8	33	30	27	24	22	23	24	141	177	127	171	160
9	32	30	28	24	21	22	31	156	175	117	162	156
10	31	29	28	24	22	22	29	174	174	102	143	162
11	31	28	28	26	21	21	23	164	220	98	133	161
12	31	28	28	26	21	22	22	142	190	100	132	155
13	31	28	28	25	21	22	25	149	205	94	137	157
14	32	28	29	25	22	21	27	148	780	98	136	147
15	32	28	28	25	22	22	27E	154	330	106	128	142
16	32	28	28	25	21	22	26E	154	127	100	124	150
17	33	28	28	25	22	22	25	157	171	122	122	164
18	32	28	28	25	22	22	26	152	167	111	123	173
19	31	28	27	26	22	22	26	155	169	123	121	173
20	32	28	26	26	22	22	25	154	177	136	125	182
21	32	28	25	26	21	22	26	169	167	129	126	190
22	32	28	24E	25	21	22	30	202	153	122	138	134
23	32	28	24E	25	21	22	28	201	146	119	140	97
24	33	28	23E	25	21	21	24	183	138	118	142	94
25	32	28	23	25	22	20	33	179	148	114	144	93
26	32	28	24	26	22	20	27	167	159	115	154	90
27	31	28	24	24	21	22	22	165	169	116	201	91
28	48	28	24	24	22	21	21	161	191	130	198	91
29	34	29	23	23	-----	20	18	166	162	139	201	91
30	31	28	25	23	-----	20	18	167	141	128	202	58
31	31	-----	25	23	-----	21	-----	169	-----	145	206	-----
TOTAL	1,251	872	820	764	605	668	726	4,640	5,847	3,754	4,874	4,877
MEAN	40.4	29.1	26.5	24.6	21.6	21.5	24.2	150	195	121	157	163
MAX	84	34	29	26	23	23	33	202	780	159	206	367
MIN	31	28	23	23	21	20	18	16	127	94	121	58
AC-FT	2,480	1,730	1,630	1,520	1,200	1,320	1,440	9,200	11,600	7,450	9,670	9,670
CAL YEAR 1998 TOTAL		30,453	MEAN	83.4	MAX	243	MIN	19	AC-FT	60,400		
WTR YEAR 1999 TOTAL		29,698	MEAN	81.4	MAX	780	MIN	16	AC-FT	58,910		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

CASTLE ROCK - STEAMBOAT CANAL from North Platte River, 00021000 - 1999

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916, 1918 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37						0	47	49	71	86	88
2	38						0	47	48	77	79	74
3	28						0	48	48	80	75	66
4	22						0	54	47	82	71	60
5	12						0	49	44	81	65	48
6	3.1						0	42	41	83	60	43
7	0						0	39	40	86	59	38
8	0						0	45	43	87	63	38
9	0						0	47	53	92	79	37
10	0					0	0	45	51	93	85	49
11	0					0	0	42	58	90	84	55
12	0					0	0	41	64	90	83	51
13	0					0	0	40	56	89	82	50
14	0					0	0	39	55	89	79	50
15	0					0	0	37	91	89	81	54
16	0					0	0	37	37	88	82	56
17	0					0	24	41	19	86	85	56
18	0					0	33	44	15	81	84	58
19	0					0	31	43	13	80	79	62
20	0					0	39	41	17	83	83	63
21	0					0	55	39	15	82	84	64
22	0					0	55	44	24	82	86	59
23	0					0	54	52	47	85	86	55
24	0					0	53	51	51	89	83	55
25	0					0	51	51	55	88	80	54
26	0					0	48	50	55	96	80	52
27	0					0	46	51	54	100	82	49
28	0					0	45	53	63	87	83	45
29	0				-----	0	46	52	63	87	77	44
30	0				-----	0	47	51	66	87	81	40
31	0	-----			-----	0	-----	50	-----	89	86	-----
TOTAL	140.1					0	627	1,412	1,382	2,669	2,452	1,613
MEAN	4.52					0	20.9	45.5	46.1	86.1	79.1	53.8
MAX	38					0	55	54	91	100	86	88
MIN	0					0	0	37	13	71	59	37
AC-FT	278					0	1,240	2,800	2,740	5,290	4,860	3,200
CAL YEAR 1998	MAX	101	MIN	0	AC-FT	20,480						
WTR YEAR 1999	MAX	100	MIN	0	AC-FT	20,420						

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER near Minatare, 06682000 - 1999

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 6,810 cubic feet per second June 15, combined channel discharge; minimum daily discharge 564 cubic feet per second March 29, combined channel discharge.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,100	981	795	745	668	614	570E	1,950	3,660	3,850	2,230	972
2	1,090	1,010	795	723	661	616	571	2,320	3,730	3,860	2,120	1,620
3	1,050	1,070	794	703E	652	609	586	2,860	3,830	3,860	1,810	2,090
4	1,060	1,060	797	711E	644	612	635	3,430	3,860	3,750	1,490	2,410
5	1,110	1,050	785	736	649	613	710	3,640	3,990	3,470	1,310	2,070
6	1,090	1,050	771	716	650	600	795	3,680	4,230	3,230	1,200	1,910
7	1,050	1,040	762	714	653	598	865	3,780	4,360	3,040	1,080	1,820
8	1,060	1,020	757	695	653	613	888	3,780	4,390	2,930	952	1,690
9	1,040	1,010	759	693	648	607	940	3,830	4,270	3,010	852	1,620
10	1,040	991	755	687	647	610	1,040	3,930	4,160	3,070	766	1,580
11	1,000	983	750	677	631	628	1,050	3,600	4,510	3,080	743	1,520
12	984	974	748	688	631	617	1,040	3,430	4,700	3,080	729	1,450
13	1,050	964	750	696	630	617	1,030	3,490	4,550	3,080	704	1,400
14	1,090	957	751	696	628	641	1,040	3,450	4,860E	3,050	699	1,390
15	1,060	951	756	697	627	633	1,040	3,240	5,980E	3,030	688	1,400
16	1,060	938	758	692	616	616E	1,060	3,080	5,210E	2,840	666	1,400
17	1,050	918	766	687	623	605E	1,080	3,070	4,830	2,060	633	1,360
18	1,060	906	760	667	626	604E	1,120	2,990	4,730	1,790	623	1,320
19	1,070	893	752	666	628	590E	1,150	2,890	4,670	1,680	607	1,300
20	1,020	885	743E	671	628	588	1,180	3,030	4,600	1,880	584	1,310
21	1,010	879	690E	672	627	585	1,190	3,120	4,450	1,870	599	1,390
22	1,000	871	664E	674	631	581	1,230	3,150	4,100	1,740	653	1,600
23	994	863	663E	675	621	583	1,270	3,140	3,970	1,720	686	1,690
24	990	848	678E	669	611	588	1,340	3,040	3,860	1,650	652	1,650
25	975	840	749E	665	607	582	1,500	3,050	3,840	1,590	635	1,680
26	961	844	725E	667	611	580	1,580	3,090	3,920	1,610	641	1,550
27	957	831	716E	661	604	581	1,590	3,140	4,020	1,630	716	1,390
28	1,010	822	735E	654	611	574	1,660	3,410	4,410	1,630	979	1,320
29	999	818	743E	653	-----	564	1,850	3,490	4,120	1,790	957	1,280
30	1,010	808	746	661	-----	570E	1,860	3,500	3,780	1,810	929	1,330
31	993	-----	750	666	-----	570E	-----	3,560	-----	1,870	882	-----
TOTAL	32,033	28,075	23,163	21,277	17,716	18,589	33,460	101,160	129,590	78,550	28,815	46,512
MEAN	1,033	936	747	686	633	600	1,115	3,263	4,320	2,534	930	1,550
MAX	1,110	1,070	797	745	668	641	1,860	3,930	5,980	3,860	2,230	2,410
MIN	957	808	663	653	604	564	570	1,950	3,660	1,590	584	972
AC-FT	63,540	55,690	45,940	42,200	35,140	36,870	66,370	200,700	257,000	155,800	57,150	92,260
CAL YEAR 1998 TOTAL		416,580	MEAN	1,141	MAX	4,100	MIN	368	AC-FT	826,300		
WTR YEAR 1999 TOTAL		558,940	MEAN	1,531	MAX	5,980	MIN	564	AC-FT	1,109,000		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

NINE MILE CANAL from North Platte River, 00106000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26						0	15	27	17	30	26
2	34						0	17	23	17	23	20
3	28						0	16	11	18	11	7.4
4	20						0	18	11	20	8.4	6.0
5	13						0	19	11	23	14	11
6	16						0	18	10	20	23	6.8
7	19						0	19	9.5	21	21	1.5
8	.97						0	22	9.5	27	19	6.1
9							0	20	9.5	29	20	21
10							0	11	11	30	11	22
11						0	.80	12	15	32	9.4	26
12						0	4.5	14	20	35	12	26
13						0	2.4	15	20	38	26	27
14						0	4.1	15	15	38	29	27
15						0	9.9	13	18	46	29	20
16						0	6.3	11	13	37	31	15
17						0	5.2	14	11	30	27	15
18						0	7.4	21	9.2	26	23	15
19						0	15	24	8.5	28	25	15
20						0	17	26	6.6	31	28	15
21						0	22	26	7.1	30	37	15
22						0	22	25	7.8	22	44	19
23						0	22	23	7.5	21	46	25
24						0	19	18	10	20	48	25
25						0	20	17	15	21	44	25
26						0	20	17	16	22	45	23
27						0	20	17	16	21	46	9.9
28						0	23	18	17	20	72	4.4
29					-----	0	21	19	16	23	26	.17
30					-----	0	15	21	17	25	25	8.5
31		-----			-----	0	-----	28	-----	27	25	-----
TOTAL	156.97					0	276.60	569	398.2	815	877.8	483.77
MEAN	19.6					0	9.22	18.4	13.3	26.3	28.3	16.1
MAX	34					0	23	28	27	46	72	27
MIN	.97					0	0	11	6.6	17	8.4	.17
AC-FT	311					0	549	1,130	790	1,620	1,740	960
CAL YEAR 1998	MAX	49	MIN	0	AC-FT	6,980						
WTR YEAR 1999	MAX	72	MIN	0	AC-FT	7,100						

NORTH PLATTE RIVER BASIN

NINE MILE CANAL from Ninemile Creek, 00106100 - 1999

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1988 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41						22	39	46	39	56	49
2	40						22	39	38	41	56	48
3	38						22	39	21	40	55	33
4	30						21	39	43	38	57	23
5	11						21	33	39	41	54	23
6	16						21	36	27	43	52	26
7	22						21	36	20	43	55	40
8	21						21	39	19	46	56	34
9	16					0	21	37	19	47	55	34
10	9.4					0	22	21	20	47	56	34
11	6.7					0	24	19	25	49	55	32
12	7.2					0	32	27	25	48	55	21
13	11					0	34	42	21	47	55	21
14	10					0	34	43	22	48	55	21
15	7.5					0	34	44	20	50	56	25
16	2.7					0	29	44	17	50	54	34
17						.32	23	44	16	49	53	38
18						.34	23	45	17	47	53	42
19						1.1	24	45	17	47	56	34
20						4.0	30	43	16	51	57	32
21						0	34	40	19	50	54	31
22						0	34	39	30	48	48	34
23						0	33	40	31	51	50	39
24						0	33	45	33	53	51	39
25						0	34	45	37	54	49	40
26						4.3	34	46	37	54	48	43
27						9.7	35	43	38	54	48	43
28						9.7	37	45	38	51	50	46
29					-----	9.5	38	42	37	56	45	49
30					-----	9.6	38	29	37	57	51	48
31		-----			-----	16	-----	44	-----	58	-----	-----
TOTAL	289.5					64.56	851	1,212	825	1,497	1,645	1,056
MEAN	18.1					2.81	28.4	39.1	27.5	48.3	53.1	35.2
MAX	41					16	38	46	46	58	57	49
MIN	2.7					0	21	19	16	38	45	21
AC-FT	574					128	1,690	2,400	1,640	2,970	3,260	2,090
CAL YEAR 1998	MAX	59	MIN	0	AC-FT	15,290						
WTR YEAR 1999	MAX	58	MIN	0	AC-FT	14,760						

NORTH PLATTE RIVER BASIN

NINE MILE CREEK near McGrew, 06682500 - 1999

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 1470 cubic feet per second, May 24, 1987, gage height 6.69 feet; minimum daily discharge 38 cubic feet per second, June 25 - 26, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharge 624 cubic feet per second September 3, gage height 4.99 feet; minimum daily discharge 33 cubic feet per second April 12.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	125	89	79	64	61	50	61	78	76	217	220
2	128	127	89	77	65	61	45	66	82	76	218	336
3	130	115	87	79	70	62	41	64	113	73	182	363
4	166	111	84	77	70	62	39	73	83	74	185	391
5	180	110	83	79	70	63	39	66	82	82	207	312
6	160	110	81	77	69	62	37	59	84	80	199	272
7	154	110	80	76	69	62	37	57	86	81	180	244
8	142	107	80	75	68	63	38	57	85	76	166	251
9	140	106	80	76	68	62	41	57	78	76	158	288
10	143	103	79	76	68	62	49	64	76	75	146	296
11	145	102	79	77	66	61	38	63	84	80	147	232
12	143	102	81	76	67	63	33	67	105	87	145	233
13	138	101	83	75	67	62	45	48	98	88	162	224
14	137	101	83	75	66	62	51	50	87	88	157	235
15	138	100	83	75	65	63	54	53	157	97	149	227
16	139	98	83	74	65	63	45	66	111	102	154	221
17	142	96	83	73	65	61	44	61	95	112	149	218
18	139	96	82	73	65	62	42	58	93	114	155	212
19	135	94	81	72	65	61	46	60	96	126	147	216
20	133	92	81	72	64	61	42	70	98	129	150	222
21	131	93	80	71	64	62	51	77	81	130	156	219
22	129	94	80	70	65	62	41	77	71	129	186	217
23	128	93	79	70	65	61	39	74	80	125	178	219
24	129	94	79	68	64	61	38	66	84	117	191	215
25	126	91	80	68	61	59	48	67	78	118	176	207
26	126	92	81	68	60	57	47	65	79	120	173	199
27	124	91	80	66	60	63	36	68	94	124	179	163
28	134	90	82	65	61	60	41	68	96	128	223	143
29	129	90	80	64	-----	59	53	62	80	150	249	132
30	126	89	81	64	-----	58	61	76	74	149	234	133
31	126	-----	80	65	-----	48	-----	71	-----	155	213	-----
TOTAL	4,256	3,023	2,533	2,252	1,836	1,889	1,311	1,991	2,688	3,237	5,531	7,060
MEAN	137	101	81.7	72.6	65.6	60.9	43.7	64.2	89.6	104	178	235
MAX	180	127	89	79	70	63	61	77	157	155	249	391
MIN	116	89	79	64	60	48	33	48	71	73	145	132
AC-FT	8,440	6,000	5,020	4,470	3,640	3,750	2,600	3,950	5,330	6,420	10,970	14,000
CAL YEAR 1998	TOTAL	35,976	MEAN	98.6	MAX	251	MIN	28	AC-FT	71,360		
WTR YEAR 1999	TOTAL	37,607	MEAN	103	MAX	391	MIN	33	AC-FT	74,590		

NORTH PLATTE RIVER BASIN

SHORT LINE CANAL from North Platte River, 00133000 - 1999

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1916, 1920 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14						0	29	45	21	31	23
2	15						0	30	45	21	27	14
3	15						0	31	40	20	23	9.6
4	18						0	36	34	20	22	14
5	11						0	20	40	19	24	12
6	2.5					0	0	21	43	23	23	11
7	2.5					0	0	20	46	31	21	11
8	1.2					0	0	21	40	30	21	11
9	0					0	0	22	31	32	20	13
10	0					0	0	24	25	31	18	13
11	0					0	0	18	27	31	19	11
12	0					0	0	1.3	33	32	18	11
13	0					0	0	1.1	27	31	20	11
14	0					0	0	1.2	15	31	19	11
15	0					0	0	12	13	33	19	11
16	0					0	0	16	4.0	33	19	11
17	0					0	.50E	15	3.5	29	19	11
18	0					0	1.0 E	16	3.3	29	23	10
19	0					0	7.2	16	12	34	22	11
20	0					0	13	15	18	36	23	11
21	0					0	14	17	19	37	24	11
22	0					0	13	17	18	37	27	7.0
23	0					0	15	16	17	36	26	3.3
24	0					0	15	15	21	35	27	2.9
25	0					0	22	17	24	36	26	2.6
26	0					0	23	34	24	34	25	2.4
27	0					0	16	43	23	33	23	1.8
28	0					0	19	46	14	33	16	.96
29	0				-----	0	24	47	16	31	21	2.2
30	0				-----	0	28	46	20	28	22	3.4
31	0	-----			-----	0	-----	44	-----	30	23	-----
TOTAL	79.2					0	210.70	707.6	740.8	937	691	278.16
MEAN	2.55					0	7.02	22.8	24.7	30.2	22.3	9.27
MAX	18					0	28	47	46	37	31	23
MIN	0					0	0	1.1	3.3	19	16	.96
AC-FT	157					0	418	1,400	1,470	1,860	1,370	552
CAL YEAR 1998	MAX	60	MIN	0	AC-FT	9,820						
WTR YEAR 1999	MAX	47	MIN	0	AC-FT	7,230						

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

CHIMNEY ROCK CANAL from North Platte River, 00024000 - 1999

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41					0	0	16	46	59	44	50
2	38					0	0	24	49	64	34	13
3	36					0	0	26	55	61	16	20
4	37					0	0	30	52	60	35	14
5	36					0	0	24	54	66	23	19
6	35					0	0	14	52	68	14	28
7	33					0	0	18	54	67	23	30
8	32					0	0	36	55	66	39	23
9	32					0	0	34	51	67	58	20
10	32					0	0	22	45	71	57	19
11	32					0	0	18	50	73	59	19
12	30					0	0	14	57	80	59	18
13	29					0	0	28	56	80	60	17
14	30					0	0	38	40	81	61	17
15	30					0	0	36	12	81	60	17
16	29					0	0	34	10	75	57	17
17	29					0	0	36	11	63	47	16
18	29					0	4.0	33	26	60	47	15
19	27					0	10	34	35	57	43	15
20	26					0	11	33	35	51	40	15
21	25					0	10	30	32	69	40	16
22	23					0	10	31	30	68	64	18
23	9.2					0	9.0	32	29	66	63	18
24	0					0	9.0	30	39	65	52	19
25	0					0	9.0	32	44	65	50	18
26	0					0	14	35	43	64	55	14
27	0					0	22	42	45	65	54	15
28	0					0	23	59	51	64	59	29
29	0				-----	0	17	61	54	62	58	34
30	0				-----	0	11	50	58	62	61	34
31	0	-----			-----	0	-----	42	-----	62	61	-----
TOTAL	700.2					0	159.0	992	1,270	2,062	1,493	617
MEAN	22.6					0	5.30	32.0	42.3	66.5	48.2	20.6
MAX	41					0	23	61	58	81	64	50
MIN	0					0	0	14	10	51	14	13
AC-FT	1,390					0	315	1,970	2,520	4,090	2,960	1,220
CAL YEAR 1998	MAX	82	MIN	0	AC-FT	19,490						
WTR YEAR 1999	MAX	81	MIN	0	AC-FT	14,470						

NORTH PLATTE RIVER BASIN

Bayard CREEK near Bayard, 06683000 - 1999

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 good, except estimated records are fair.

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 240 cubic feet per second September 4, gage height 3.32 feet; minimum daily discharge 6.3 cubic feet per second May 26.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	26	26	21	19	16	25	14	29	29	119	48
2	23	32	25	18	19	16	23	14	26	21	116	138
3	35	39	23	17	18	17	30	13	73	17	107	201
4	75	36	21	17	18	17	32	13	43	19	95	196
5	75	34	18	19	19	17	35	11	31	23	102	112
6	50	35	19	18	19	16	31	11	28	25	98	96
7	50	35	20	17	19	16	28	11	27	18	90	90
8	44	32	20	15	19	17	32	11	26	20	77	78
9	40	32	19	16	19	16	35	11	22	19	63	54
10	31	29	20	15	18	17	50	12	19	20	49	51
11	27	29	20	18	17	19	40	11	21	23	49	53
12	25	28	21	17	17	19	40E	7.0	36	24	47	50
13	30	28	20	18	17E	19	42E	7.3	79	22	45	45
14	30	27	21	17	17E	19	19E	8.1	71	24	48	44
15	29	28	19	16	17	18	15E	10	115	27	47	49
16	28	27	21	16	17	16	15	10	47	26	48	53
17	30	26	21	14	18	16	10	10	36	35	49	49
18	29	26	20	15	17	15	11	15	33	30	53	48
19	27	25	19	18	17	15	12	12	33	32	54	48
20	27	25	20	16	17	15	15	18	31	46	55	50
21	27	25	19	16	17	16	17	15	33	45	51	44
22	27	24	17	16	16	16	15	13	31	44	49	40
23	28	26	18	16	15	16	20	11	22	57	39	34
24	29	27	19	14	15	16	18	13	19	60	32	35
25	28	27	19	15	15	17	22	9.6	21	61	30	32
26	27	27	19	17	15	19	24	6.3	17	54	27	27
27	28	27	19	16	16	19	30	7.2	35	41	29	25
28	35	25	21	16	16	18	26	11	55	41	37	23
29	31	26	21	15	-----	17	19	15	28	42	40	26
30	28	26	21	18	-----	17	14	22	31	37	40	28
31	28	-----	20	19	-----	20	-----	28	-----	55	41	-----
TOTAL	1,039	859	626	516	483	527	745	380.5	1,118	1,037	1,826	1,867
MEAN	33.5	28.6	20.2	16.6	17.3	17.0	24.8	12.3	37.3	33.5	58.9	62.2
MAX	75	39	26	21	19	20	50	28	115	61	119	201
MIN	18	24	17	14	15	15	10	6.3	17	17	27	23
AC-FT	2,060	1,700	1,240	1,020	958	1,050	1,480	755	2,220	2,060	3,620	3,700

CAL YEAR 1998	TOTAL	9,815.7	MEAN	26.9	MAX	75	MIN	2.4	AC-FT	19,470
WTR YEAR 1999	TOTAL	11,023.5	MEAN	30.2	MAX	201	MIN	6.3	AC-FT	21,870

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

ALLIANCE CANAL from Bayard Creek, 00002000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23						0	27	35	26	15	25
2	24						0	29	35	25	3.3	7.3
3	13						0	27	12	25	2.4	21
4	.70						0	28	16	27	1.1	18
5	.46					0	0	25	29	28	1.6	.56
6	0					0	0	24	28	29	1.4	0
7	0					0	0	25	28	27	.77	0
8	0					0	0	25	28	27	3.2	0
9						0	0	27	25	28	3.2	0
10						0	0	31	22	28	.71	0
11						0	0	31	27	29	.71	0
12						0	0	24	25	29	.71	0
13						0	11	25	0	29	4.2	0
14						0	33	26	.10	30	7.5	0
15						0	27	28	4.4	31	7.4	0
16						0	27	30	2.1	31	7.6	0
17						0	21	30	7.8	33	7.8	0
18						0	25	31	6.8	31	9.1	0
19						0	28	31	7.0	32	9.1	0
20						0	31	31	5.8	35	9.5	.64
21						0	30	30	6.7	35	8.3	3.9
22						0	29	30	6.4	34	7.8	3.0
23						0	33	29	18	24	14	1.5
24						0	32	29	26	15	27	1.9
25						0	33	28	27	16	27	1.3
26						0	34	26	26	21	27	0
27						0	32	26	23	28	28	0
28						0	31	28	4.3	28	29	0
29					-----	0	29	30	25	30	30	0
30					-----	0	27	33	26	29	30	.24
31		-----			-----	0	-----	34	-----	24	31	-----
TOTAL	61.16					0	513	878	532.40	864	355.40	84.34
MEAN	7.65					0	17.1	28.3	17.7	27.9	11.5	2.81
MAX	24					0	34	34	35	35	31	25
MIN	0					0	0	24	0	15	.71	0
AC-FT	121					0	1,020	1,740	1,060	1,710	705	167
CAL YEAR 1998	MAX	37	MIN	0	AC-FT	8,840						
WTR YEAR 1999	MAX	35	MIN	0	AC-FT	6,520						

NORTH PLATTE RIVER BASIN

RED WILLOW CREEK near Bayard, 06684000 - 1999

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 good, 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 1,250 cubic feet per second September 2, gage height 6.91 feet; minimum daily discharge, 48 cubic feet per second March 24.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	72	68	70	60	53	48	91	98	154	295	280
2	117	76	67	70	60	52	49	91	91	166	277	472
3	121	80	70	70E	61	52	49	96	129	121	240	588
4	140	75	72	70E	61	53	48	93	102	104	236	538
5	131	72	72	69	61	53	50	93	80	87	256	377
6	112	74	72	67	60	53	48	94	73	84	237	294
7	107	74	71	67	60	53	48	88	72	75	233	287
8	104	74	71	67	58E	54	50	87	75	67	208	279
9	102	73	72	68	56E	54	52	87	75	66	144	261
10	100	70	71	68	54	52	63	81	74	65	117	253
11	96	69	71	70	53	52	57	79	73	67	119	261
12	94	69	72	66	54	52	55	130	210	71	111	276
13	94	69	71	60	53	52	57	292	225	66	112	260
14	94	69	71	56	54	52	56	267	137	60	117	258
15	90	68	71	59	53	52	62	254	225	59	116	250
16	89	68	70	65	54	52	61	223	114	61	117	241
17	88	66	69	67	55	51	62	227	92	123	124	228
18	84	66	70	61	55	51	62	203	88	129	148	211
19	81	66	68E	59	55	51	65	200	81	113	160	214
20	79	65	66E	56	54	50	67	199	69	135	163	214
21	79	67	66E	54	54	50	67	201	59	130	174	229
22	78	66	68E	55	54	50E	65	195	64	120	199	239
23	74	64	68E	54	55	50E	66	189	151	114	209	237
24	74	66	70E	58E	55	48E	66	165	143	105	200	234
25	73	66	72E	60E	53	48E	82	147	130	103	188	231
26	72	65	72	60E	52	48E	82	142	125	106	193	191
27	72	67	72	58E	52	48E	79	132	190	100	201	150
28	80	67	74	58	53	48E	81	127	182	107	237	113
29	76	67	71	59	-----	48E	89	109	129	114	254	111
30	74	68	72	59	-----	48E	88	101	157	116	248	108
31	74	-----	71	59	-----	48	-----	99	-----	129	240	-----
TOTAL	2,863	2,078	2,181	1,939	1,559	1,578	1,874	4,582	3,513	3,117	5,873	7,885
MEAN	92.4	69.3	70.4	62.5	55.7	50.9	62.5	148	117	101	189	263
MAX	140	80	74	70	61	54	89	292	225	166	295	588
MIN	72	64	66	54	52	48	48	79	59	59	111	108
AC-FT	5,680	4,120	4,330	3,850	3,090	3,130	3,720	9,090	6,970	6,180	11,650	15,640
CAL YEAR 1998 TOTAL		37,000	MEAN	101	MAX	331	MIN	46	AC-FT	73,390		
WTR YEAR 1999 TOTAL		39,042	MEAN	107	MAX	588	MIN	48	AC-FT	77,440		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

ALLIANCE CANAL from Red Willow Creek, 00003000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21					0	0	0	32	45	4.1	38
2	22					0	0	0	31	47	0	13
3	21					0	0	0	8.9	45	23	12
4	13					0	0	0	8.3	49	42	12
5	0					0	0	0	22	52	41	12
6	0					0	0	0	14	50	37	6.6
7	0					0	0	0	8.3	52	43	0
8	0					0	0	0	12	51	42	16
9	0					0	0	0	11	56	46	26
10	0					0	0	0	11	56	50	25
11	0					0	0	0	11	57	47	21
12	0					0	0	0	11	58	49	5.2
13	0					0	0	0	0	54	50	16
14	0					0	0	0	0	51	53	27
15	0					0	0	13	0	48	53	26
16	0					0	0	33	7.6	50	49	24
17	0					0	0	33	18	23	51	21
18	0					0	0	38	17	30	51	22
19	0					0	0	37	14	44	51	25
20	0					0	0	26	10	47	49	22
21	0					0	0	26	17	44	48	25
22	0					0	0	20	14	47	43	27
23	0					0	0	21	4.6	51	43	27
24	0					0	0	19	35	52	41	26
25	0					0	0	27	39	54	41	25
26	0					0	0	35	46	53	42	17
27	0					0	0	32	38	52	43	11
28	0					0	0	25	8.9	52	41	8.5
29	0				-----	0	0	21	47	53	36	7.4
30	0				-----	0	0	21	45	52	38	9.6
31	0	-----			-----	0	-----	32	-----	55	42	-----
TOTAL	77					0	0	459	541.6	1,530	1,289.1	553.3
MEAN	2.48					0	0	14.8	18.1	49.4	41.6	18.4
MAX	22					0	0	38	47	58	53	38
MIN	0					0	0	0	0	23	0	0
AC-FT	153					0	0	910	1,070	3,030	2,560	1,100
CAL YEAR 1998	MAX	56	MIN	0	AC-FT	10,820						
WTR YEAR 1999	MAX	58	MIN	0	AC-FT	8,830						

NORTH PLATTE RIVER BASIN

BELMONT CANAL from North Platte River, 00009000 - 1999

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

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

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

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38						0	54	65	55	99	91
2	16						0	54	66	77	93	94
3	16						0	55	58	81	90	93
4	15						0	56	54	81	87	89
5	13					0	9.8	54	51	84	84	77
6	13					0	31	51	45	84	83	72
7	12					0	36	50	44	83	84	69
8	12					0	38	50	44	85	85	67
9	12					0	39	50	38	85	88	66
10	12					0	39	46	38	91	90	65
11	12					0	38	43	59	108	90	64
12	12					0	38	41	58	109	91	62
13	12					0	38	40	53	109	92	62
14	12					0	38	46	56	113	91	62
15	5.3					0	38	49	49	112	91	62
16						0	38	46	54	114	91	61
17						0	48	43	60	111	91	59
18						0	67	42	58	119	91	58
19						0	55	41	54	114	91	57
20						0	52	40	54	119	91	58
21						0	52	39	55	118	91	58
22						0	52	49	56	117	91	60
23						0	52	50	54	115	91	61
24						0	52	48	65	104	91	60
25						0	53	48	85	97	91	60
26						0	53	49	85	97	91	58
27						0	53	48	81	94	91	55
28						0	53	48	70	96	93	53
29					-----	0	54	54	60	106	92	51
30					-----	0	54	51	56	102	93	51
31		-----			-----	0	-----	48	-----	102	95	-----
TOTAL	212.3					0	1,170.8	1,483	1,725	3,082	2,803	1,955
MEAN	14.2					0	39.0	47.8	57.5	99.4	90.4	65.2
MAX	38					0	67	56	85	119	99	94
MIN	5.3					0	0	39	38	55	83	51
AC-FT	421					0	2,320	2,940	3,420	6,110	5,560	3,880
CAL YEAR 1998	MAX	122	MIN	0	AC-FT	31,050						
WTR YEAR 1999	MAX	119	MIN	0	AC-FT	24,660						

NORTH PLATTE RIVER BASIN

EMPIRE CANAL from North Platte River, 00039000 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	0	0	19	29 S
2							0	0	0	0	10	31 S
3							0	0	0	0	10	24 S
4							0	0	0	0	10	6.5
5							0	0	0	5.9	10	6.7
6							0	0	0	8.7	10	6.5
7							0	0	0	8.7	10	6.5
8							0	0	0	8.9	11	6.3
9							0	0	0	9.2	11	6.0
10							0	0	0	15 S	9.0	5.9
11							0	0	0	26 S	9.0	5.5
12							0	0	0	25 S	9.1	5.4
13							0	0	0	27 S	8.9	5.4
14							0	0	0	28 S	9.1	5.4
15							0	0	0	28 S	9.1	5.4
16							0	0	0	32 S	9.1	5.4
17							0	0	0	28 S	9.1	5.3
18							0	0	0	27 S	9.1	5.3
19						0	0	0	0	28 S	9.2	5.2
20						0	0	0	0	27	9.2	5.2
21						0	0	0	0	27	9.2	5.1
22						0	0	0	0	27	9.2	5.2
23						0	0	0	0	27	9.2	5.2
24						0	0	0	0	26	9.1	5.2
25						0	0	0	0	26	8.9	4.9
26						0	0	0	0	26	8.9	4.6
27						0	0	0	0	26	8.9	4.5
28						0	0	0	0	28	8.9	4.4
29					-----	0	0	0	0	28	8.9	4.2
30					-----	0	0	0	0	28	14 S	4.0
31		-----			-----	0	-----	0	-----	28	26 S	-----
TOTAL						0	0	0	0	629.4	322.1	229.2
MEAN						0	0	0	0	20.3	10.4	7.64
MAX						0	0	0	0	32	26	31
MIN						0	0	0	0	0	8.9	4.0
AC-FT						0	0	0	0	1,250	639	455
CAL YEAR 1998	MAX	26	MIN	0	AC-FT	3,300						
WTR YEAR 1999	MAX	32	MIN	0	AC-FT	2,340						

S indicates adjusted discharge for submergence of the parshall flume.

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER at Bridgeport, 06684500 - 1999

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 3,663.51 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.

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 7,040 cubic feet per second June 15, combined flow for both channels; minimum daily discharge 717 cubic feet per second April 2, combined flow for both channels.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,990	1,330	1,140	1,090	871	809	719	2,340	3,990	4,280	2,720	1,430
2	1,960	1,350	1,140	1,080	865	804	717	2,610	4,040	4,290	2,950	2,040
3	1,910	1,420	1,140	1,060	863	791	741	3,090	4,230	4,140	2,760	3,140
4	1,990	1,420	1,150	1,020	852	796	774	3,700	4,130	4,090	2,430	3,700
5	2,080	1,390	1,140	1,040	861	798	806	4,030	4,040	3,900	2,250	3,250
6	1,970	1,380	1,110	1,020	866	778	839	4,120	4,260	3,740	2,090	2,920
7	1,850	1,360	1,100	1,000	867	772	907	4,320	4,520	3,530	1,900	2,730
8	1,780	1,320	1,100	983	870	784	962	4,540	4,600	3,230	1,700	2,630
9	1,710	1,300	1,100	971	864	780	991	4,680	4,580	3,190	1,510	2,530
10	1,700	1,260	1,090	972	866	765	1,110	4,780	4,470	3,210	1,350	2,490
11	1,630	1,240	1,100	974	835	750	1,140	4,750	4,470	3,070	1,280	2,410
12	1,570	1,230	1,090	969	831	759	1,140	4,450	4,850	3,080	1,180	2,340
13	1,530	1,220	1,090	956	842	765	1,150	4,670	5,300	3,130	1,130	2,220
14	1,490	1,210	1,090	952	847	763	1,120	4,700	5,110	3,120	1,120	2,190
15	1,460	1,200	1,080	948	849	762	1,110	4,640	6,170	3,080	1,080	2,190
16	1,430	1,180	1,080	937	843	761	1,130	4,390	6,410	3,060	1,040	2,190
17	1,420	1,170	1,090	931	849	755	1,150	4,480	5,710	2,780	1,000	2,140
18	1,370	1,160	1,090	920	852	758	1,180	4,390	5,540	2,430	1,010	2,060
19	1,330	1,150	1,080	919	852	758	1,220	4,260	5,280	2,290	1,020E	2,020
20	1,310	1,140	1,080	912	846	752	1,240	4,310	5,120	2,340	1,010E	2,050
21	1,290	1,150	1,020E	909	842	742	1,290	4,450	4,930	2,430	987	2,050
22	1,280	1,150	1,040E	901	838	746	1,290	4,460	4,680	2,300	1,040	2,190
23	1,280	1,150	1,060E	894	836	739	1,380	4,440	4,500	2,180	1,090	2,310
24	1,300	1,150	1,080E	884	828	734	1,420	4,370	4,420	2,150	1,080	2,330
25	1,290	1,140	1,080E	885	826	725	1,590	4,230	4,310	2,040	1,050	2,360
26	1,290	1,140	1,100E	890	823	731	1,780	4,100	4,340	1,990	1,030	2,200
27	1,260E	1,150	1,100E	883	813	739	1,860E	3,900	4,540	1,920	1,030	2,030
28	1,350	1,150	1,100E	867	809	739	1,920	3,950	4,850	1,930	1,260	1,860
29	1,370	1,160	1,120E	862	-----	732	2,100	3,960	4,730	2,040	1,430	1,760E
30	1,340	1,140	1,120E	864	-----	736	2,270	3,860	4,360	2,040	1,470	1,760
31	1,340	-----	1,120	872	-----	739	-----	3,960	-----	2,140	1,400	-----
TOTAL	47,870	36,910	34,020	29,365	23,706	23,562	37,046	128,930	142,480	89,140	45,397	69,520
MEAN	1,544	1,230	1,097	947	847	760	1,235	4,159	4,749	2,875	1,464	2,317
MAX	2,080	1,420	1,150	1,090	871	809	2,270	4,780	6,410	4,290	2,950	3,700
MIN	1,260	1,140	1,020	862	809	725	717	2,340	3,990	1,920	987	1,430
AC-FT	94,950	73,210	67,480	58,250	47,020	46,740	73,480	255,700	282,600	176,800	90,040	137,900
CAL YEAR 1998 TOTAL		508,944	MEAN	1,394	MAX	4,310	MIN	489	AC-FT 1,009,000			
WTR YEAR 1999 TOTAL		707,946	MEAN	1,940	MAX	6,410	MIN	717	AC-FT 1,404,000			

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

BROWNS CREEK CANAL from North Platte River, 00019000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30						0	0	36	55	50	34
2	31						0	0	34	50	57	31
3	18						0	0	35	60	64	29
4	6.6						0	0	32	77	62	23
5	.75						0	0	33	83	61	21
6	.11						0	0	33	88	58	20
7	0						0	2.1	30	84	54	20
8							0	40	22	85	39	19
9							0	29	21	90	44	19
10						0	0	22	27	93	54	18 E
11						0	0	30	24	95	58	15 E
12						0	0	34	20	97	64	14 E
13						0	0	42	22	95	65	14 E
14						0	0	38	26	97	60	13 E
15						0	0	30	28	97	57	36 E
16						0	0	31	30	98	56	19
17						0	0	33	28	94	59	19
18						0	0	36	30	96	61	18
19						0	0	40	30	90	61	16
20						0	0	24	32	84	65	11
21						0	0	21	31	54	68	9.6
22						0	0	23	33	44	72	6.7
23						0	0	27	42	54	71	0
24						0	0	31	59	77	69	0
25						0	0	30	72	78	69	0
26						0	0	29	84	83	68	0
27						0	0	29	70	82	67	0
28						0	0	36	54	84	66	0
29					-----	0	0	42	67	89	56	0
30					-----	0	0	43	60	85	45	0
31		-----			-----	0	-----	41	-----	89	37	-----
TOTAL	86.46					0	0	783.1	1,145	2,527	1,837	425.3
MEAN	12.4					0	0	25.3	38.2	81.5	59.3	14.2
MAX	31					0	0	43	84	98	72	36
MIN	0					0	0	0	20	44	37	0
AC-FT	171					0	0	1,550	2,270	5,010	3,640	844
CAL YEAR 1998	MAX	98	MIN	0	AC-FT	16,180						
WTR YEAR 1999	MAX	98	MIN	0	AC-FT	13,500						

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

COURTHOUSE ROCK CANAL from Pumpkin Creek, 00030000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	0	3.3	2.7	0
2							0	0	0	3.3	2.4	0
3							0	0	0	3.3	1.4	0
4							0	0	0	3.3	0	0
5							0	0	0	3.3	0	0
6							0	0	0	3.5	0	0
7							0	0	0	3.4	0	0
8							0	0	0	3.3	0	0
9							0	0	0	3.4	0	0
10							0	0	0	3.4	0	0
11							0	0	0	3.5	0	0
12							0	0	0	3.4	0	0
13							0	0	0	2.9	0	0
14							0	0	0	2.7	0	0
15							0	0	0	2.6	0	0
16							0	0	0	2.5	0	0
17							0	0	0	2.6	0	0
18							0	0	0	2.5	0	0
19							0	0	0	2.5	0	0
20							0	0	0	2.5	0	0
21							0	0	0	2.4	0	0
22							0	0	0	2.4	0	0
23							0	0	0	2.4	0	0
24							0	0	0	2.3	0	0
25							0	0	0	2.3	0	0
26							0	0	0	2.4	0	0
27							0	0	0	2.4	0	0
28							0	0	0	2.4	0	0
29					-----		0	0	1.6	2.5	0	0
30					-----		0	0	3.1	2.4	0	0
31		-----			-----		-----	0	-----	2.4	0	-----
TOTAL							0	0	4.7	87.5	6.5	0
MEAN							0	0	.16	2.82	.21	0
MAX							0	0	3.1	3.5	2.7	0
MIN							0	0	0	2.3	0	0
AC-FT							0	0	9.3	174	13	0
CAL YEAR 1998	MAX	3.2	MIN	0	AC-FT	313						
WTR YEAR 1999	MAX	3.5	MIN	0	AC-FT	196						

NORTH PLATTE RIVER BASIN

LAST CHANCE CANAL from Pumpkin Creek, 00080000 - 1999

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

GAGE.--Continuous stage recorder

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	1.2	0	0
2									0	1.8	0	0
3									0	1.6	0	0
4									0	1.0	0	0
5									0	0	0	0
6									0	.09	0	0
7									0	0	0	0
8									0	0	0	0
9									0	0	0	0
10									0	0	0	0
11									0	0	0	0
12									0	0	0	0
13									0	0	0	0
14									0	0	0	0
15									0	0	0	0
16								0	0	0	0	0
17								0	0	0	0	0
18								0	0	0	0	0
19								0	0	0	0	0
20								0	0	0	0	0
21								0	0	0	0	0
22								0	0	0	0	0
23								0	0	0	0	0
24								0	0	0	0	0
25								0	0	0	0	0
26								0	0	0	0	0
27								0	0	0	0	0
28								0	1.3	0	0	0
29					-----			0	3.1	0	0	0
30					-----			0	2.0	0	0	0
31		-----			-----		-----	0	-----	0	0	-----
TOTAL								0	6.4	5.69	0	0
MEAN								0	.21	.18	0	0
MAX								0	3.1	1.8	0	0
MIN								0	0	0	0	0
AC-FT								0	13	11	0	0
CAL YEAR 1998	MAX	5.7	MIN	0	AC-FT	226						
WTR YEAR 1999	MAX	3.1	MIN	0	AC-FT	24						

NORTH PLATTE RIVER BASIN

TRINNIER CANAL from Greenwood Creek, 00144200 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	0	0	1.3	3.8
2							0	0	0	0	1.2	4.0
3							0	0	0	0	1.2	2.3
4							0	0	0	0	1.2	.63
5							0	0	0	2.2	1.2	.48
6							0	0	0	4.0	1.2	.37
7							0	0	0	2.3	1.3	.30
8							0	0	0	2.4	1.3	0
9							0	0	0	2.6	1.7	0
10							0	0	0	2.6	2.0	0
11							0	0	0	2.6	1.8	0
12							0	0	0	2.4	2.0	0
13							0	0	0	2.1	2.0	0
14							0	0	0	2.6	2.0	0
15							0	0	0	2.7	2.0	0
16							0	0	0	2.7	1.9	0
17							0	0	0	2.4	1.8	0
18							0	0	0	2.4	1.8	0
19							0	0	0	2.0	1.8	0
20							0	0	0	.68	1.5	0
21							0	0	0	.53	2.8	0
22							0	0	0	.40	3.9	0
23						0	0	0	0	1.8	3.8	0
24						0	0	0	0	2.3	4.0	0
25						0	0	0	0	1.6	4.1	0
26						0	0	0	0	1.4	4.0	0
27						0	0	0	0	1.2	3.9	0
28						0	0	0	0	1.2	4.3	0
29					-----	0	0	0	0	1.1	4.3	
30					-----	0	0	0	0	1.0	4.4	
31		-----			-----	0	-----	0	-----	1.0	4.4	-----
TOTAL						0	0	0	0	52.21	76.1	11.88
MEAN						0	0	0	0	1.68	2.45	.42
MAX						0	0	0	0	4.0	4.4	4.0
MIN						0	0	0	0	0	1.2	0
AC-FT						0	0	0	0	104	151	24
CAL YEAR 1998	MAX	3.4	MIN	0	AC-FT	292						
WTR YEAR 1999	MAX	4.4	MIN	0	AC-FT	278						

NORTH PLATTE RIVER BASIN

NELSON CANAL from Greenwood Creek, 00105500 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7						0	0	0	0	.04	0
2	2.5						0	0	0	0	0	0
3	1.0						0	0	0	0	0	0
4	.26						0	0	0	0	0	0
5	0						0	0	0	0	0	0
6	0						0	0	0	2.2	0	0
7	0						0	0	0	4.1	0	0
8	0						0	0	0	4.1	0	0
9	0						0	0	0	4.1	2.3	0
10	0						0	0	0	4.0	4.5	0
11	0						0	0	0	3.9	4.6	0
12	0						0	0	0	3.8	4.6	0
13	0						0	0	0	3.7	4.7	0
14							0	0	0	3.6	4.7	0
15							0	0	0	3.7	4.7	0
16							0	0	0	4.0	4.7	0
17							0	0	0	4.1	4.7	0
18							0	0	0	4.1	4.8	0
19							0	0	0	3.7	4.7	0
20							0	0	0	0	4.7	0
21							0	0	0	0	2.3	0
22							0	0	0	0	0	0
23						0	0	0	0	2.8	0	0
24						0	0	0	0	4.7	0	0
25						0	0	0	0	4.7	0	0
26						0	0	0	0	4.7	0	0
27						0	0	0	0	4.7	0	0
28						0	0	0	0	4.7	0	0
29					-----	0	0	0	0	4.7	0	0
30					-----	0	0	0	0	4.7	0	0
31		-----			-----	0	-----	0	-----	4.5	0	-----
TOTAL	7.46					0	0	0	0	93.3	56.04	0
MEAN	.57					0	0	0	0	3.01	1.81	0
MAX	3.7					0	0	0	0	4.7	4.8	0
MIN	0					0	0	0	0	0	0	0
AC-FT	15					0	0	0	0	185	111	0
CAL YEAR 1998	MAX	5.1	MIN	0	AC-FT	448						
WTR YEAR 1999	MAX	4.8	MIN	0	AC-FT	311						

NORTH PLATTE RIVER BASIN

MEREDITH-AMMER CANAL from Pumpkin Creek, 00088000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	0	1.2	4.6	3.5
2							0	0	0	1.4	5.8	3.0
3							0	0	0	1.2	5.9	.02
4							0	0	0	2.7	5.7	0
5							0	0	0	4.6	5.8	0
6							0	0	0	5.0	5.9	0
7							0	0	0	3.4	5.9	0
8							0	0	0	3.7	5.8	0
9							0	0	0	3.8	5.6	0
10							0	0	0	3.2	5.4	0
11							0	0	0	2.7	5.0	0
12							0	0	0	2.5	4.5	0
13							0	0	0	2.5	4.1	0
14							0	0	2.8	2.9	3.8	0
15							0	0	5.2	3.0	3.4	0
16							0	0	5.2	2.4	3.1	0
17							0	0	5.2	2.4	3.1	0
18							0	0	4.7	2.3	3.6	0
19							0	0	4.2	2.2	3.7	0
20							0	0	4.2	3.3	3.6	0
21							0	0	4.1	4.4	3.4	0
22							0	0	4.0	4.2	3.5	0
23							0	0	3.9	4.3	3.3	0
24							0	0	3.9	3.9	2.6	0
25							0	0	4.9	3.3	2.4	0
26							0	0	5.0	3.5	2.4	0
27							0	0	4.8	3.7	2.2	0
28							0	0	2.1	3.1	2.2	0
29					-----		0	0	1.2	2.8	2.5	
30					-----		0	0	1.2	2.4	2.8	
31		-----			-----		-----	0	-----	2.3	2.8	-----
TOTAL							0	0	66.6	94.3	124.4	6.52
MEAN							0	0	2.22	3.04	4.01	.23
MAX							0	0	5.2	5.0	5.9	3.5
MIN							0	0	0	1.2	2.2	0
AC-FT							0	0	132	187	247	13
CAL YEAR 1998	MAX	5.6	MIN	0	AC-FT	614						
WTR YEAR 1999	MAX	5.9	MIN	0	AC-FT	579						

NORTH PLATTE RIVER BASIN

PUMPKIN CREEK near Bridgeport, 06685000 - 1999

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 good, except estimated 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 47 cubic feet per second October 1, gage height 2.19 feet; maximum gage height 3.78 feet December 7 due to backwater from ice; minimum daily discharge 0.03 cubic feet per second July 7-9, 11, 12, August 13, 16.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	5.9	8.0	9.2E	11	12	12	28	16	6.7	.21	.08
2	26	6.7	8.4	9.4E	11	12	14	28	15	6.6	.62	.34
3	16	7.4	8.5	9.6E	11	12	14	27	14	6.4	.36	3.3
4	22	7.5	8.6	9.8E	12	12	15	23	13	3.4	.19	16
5	22	7.4	8.6	9.8E	12	12	16	21	12	1.4	.79	25
6	14	7.5	8.6	9.8E	12	12	16	19	12	.04	.85	17
7	11	7.3	8.2E	9.9E	11	12	18	18	12	.03	.82	14
8	8.4	7.2	8.0E	9.0E	11	13	26	17	11	.03	.63	13
9	7.0	7.4	8.2	9.0E	11	13	29	17	10	.03	.40	13
10	6.0	7.0E	8.0E	10 E	11	13	34	17	9.8	.06	.12	13
11	5.8	7.2E	8.2E	12	11E	13	34	18	11	.03	.06	15
12	5.5	7.2	8.4E	11	12E	13	32	17	11	.03	.07	15
13	5.3	7.6	8.7	10	11	13	31	17	11	.08	.03	14
14	5.0	7.4	9.1	11	12	13	32	19	8.7	.24	.04	13
15	4.7	7.2	9.4	8.8E	11	13	33	24	8.6	.12	.04	13
16	3.6	7.1	9.0	8.8E	11	12	33	30	8.7	.09	.03	14
17	3.4	7.1	8.9	8.8E	11	12	34	30	8.3	.13	.09	12
18	3.5	7.4	8.8E	8.8E	12	12	23	29	8.2	.07	.17	12
19	3.4	7.5	8.6E	8.9E	12	13	27	29	8.3	.07	.17	12
20	3.4	7.5	8.2E	8.6E	11	13	27	29	7.1	.06	.22	14
21	3.8	7.8	8.0E	8.6E	11	13	28	28	8.0	.08	.16	13
22	4.1	7.6	8.0E	8.8E	12	13	29	30	7.7	.08	.13	13
23	4.2	7.3	8.2E	8.8E	12E	13	29	29	7.0	.12	.14	12
24	4.5	7.6	8.4E	9.0E	12	13	29	30	5.8	.16	.15	9.2
25	4.7	7.6	8.4E	9.0E	12	13	30	29	5.5	.15	.22	9.0
26	4.9	7.9	8.4E	9.8E	11	13	30	29	5.6	.22	.17	9.0
27	5.0	7.9	8.6E	10 E	11	13	29	28	6.0	.26	.21	9.9
28	5.9	7.9	8.6E	11	12	13	28	22	8.4	.22	.16	11
29	5.5	7.9	8.6E	12	-----	12	28	14	7.3	.24	.08	11
30	5.4	7.9	8.8E	11	-----	12	29	14	7.1	.22	.05	11
31	5.5	-----	8.8E	11	-----	12	-----	14	-----	.21	.04	-----
TOTAL	250.5	221.9	263.2	301.2	320	390	789	724	284.1	27.57	7.42	356.82
MEAN	8.08	7.40	8.49	9.72	11.4	12.6	26.3	23.4	9.47	.89	.24	11.9
MAX	26	7.9	9.4	12	12	13	34	30	16	6.7	.85	25
MIN	3.4	5.9	8.0	8.6	11	12	12	14	5.5	.03	.03	.08
AC-FT	497	440	522	597	635	774	1,560	1,440	564	55	15	708
CAL YEAR 1998 TOTAL	2,908.92		MEAN	7.97	MAX	63	MIN	0	AC-FT	5,770		
WTR YEAR 1999 TOTAL	3,935.71		MEAN	10.8	MAX	34	MIN	.03	AC-FT	7,810		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

BEERLINE CANAL from North Platte River, 00007000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2						0	0	0	18	14	13
2	4.3						0	0	0	17	14	10
3	4.3						0	0	0	19	12	9.0
4	4.6						0	0	0	19	11	8.3
5	3.8						0	0	0	19	9.4	7.2
6	2.1						0	0	0	19	8.9	3.1
7	.85						0	0	0	19	7.8	2.7
8							0	0	0	18	7.3	2.5
9							0	0	0	18	6.4	2.3
10						0	0	0	0	19	4.0	2.1
11						0	0	0	0	19	4.0	2.0
12						0	0	0	0	19	4.0	1.9
13						0	0	0	0	18	11	1.7
14						0	0	0	0	18	15	1.6
15						0	0	0	0	18	16	1.5
16						0	0	0	0	18	15	1.4
17						0	0	0	0	17	14	1.3
18						0	0	0	0	15	14	1.2
19						0	0	0	0	18	14	1.1
20						0	0	0	0	21	14	1.2
21						0	0	0	.50	22	14	1.2
22						0	0	0	.97	21	15	1.4
23						0	0	0	.79	19	15	1.5
24						0	0	0	.90	19	16	1.4
25						0	0	0	.77	13	16	1.2
26						0	0	0	15	13	16	.81
27						0	0	0	25	13	17	
28						0	0	0	24	13	19	
29					-----	0	0	0	19	13	21	
30					-----	0	0	0	18	13	21	
31		-----			-----		-----	0	-----	12	20	-----
TOTAL	24.15					0	0	0	104.93	537	405.8	82.61
MEAN	3.45					0	0	0	3.50	17.3	13.1	3.18
MAX	4.6					0	0	0	25	22	21	13
MIN	.85					0	0	0	0	12	4.0	.81
AC-FT	48					0	0	0	208	1,070	805	164
CAL YEAR 1998	MAX	20	MIN	0	AC-FT	2,150						
WTR YEAR 1999	MAX	25	MIN	0	AC-FT	2,290						

NORTH PLATTE RIVER BASIN

BELMONT CANAL from Cedar Creek, 00010000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	5.8	1.1E	3.0	2.8	3.0
2							0	5.8	1.1E	2.9	2.4	2.6
3							0	5.8	1.1	2.5	2.4	1.5
4							0	5.7	2.3	2.1	2.4	.94
5							0	5.7	3.0	2.3	2.4	.58
6							0	5.9	2.9	2.1	2.4	.38
7							2.7	5.8	3.0	2.8	2.3	.26
8							6.7	5.9	3.2	2.6	2.2	.18
9							6.9	5.8	3.0	2.5	2.1	.13
10							7.6	5.8	2.9	2.1	2.3	.09
11							7.2	5.6	2.6	2.0	2.7	.07
12							7.2	5.3	2.9	1.7	2.5	.06
13							7.6	4.6	2.9	1.4	2.2	.05
14							7.8	3.3	2.4	1.7	2.1	.02
15							7.6	3.0E	1.9	1.2	2.3	0
16							7.5	3.0E	1.6	1.9	2.0	0
17						0	7.5	2.7E	1.3	1.9	2.4	0
18						0	7.4	2.7E	1.1	1.5	2.7	0
19						0	6.4	2.7E	1.7	1.9	1.9	0
20						0	5.6	2.7E	1.7	1.8	2.0	0
21						0	5.9	2.7E	1.9	1.2	2.5	0
22						0	6.1	2.7E	1.6	1.2	2.5	0
23						0	5.9	2.7E	2.3	1.2	2.6	0
24						0	5.7	2.7E	2.9	1.1	2.1	0
25						0	5.9	2.7	2.9	1.7	2.0	0
26						0	5.8	2.7	2.4	2.1	2.5	0
27						0	5.8	2.7	2.8	2.4	2.2	0
28						0	5.7	2.0E	3.4	2.5	2.2	0
29					-----	0	5.7	2.0E	3.0	2.4	2.8	0
30					-----	0	5.7	1.5E	3.1	2.4	2.8	0
31		-----			-----	0	-----	1.5E	-----	2.3	2.9	-----
TOTAL						0	153.9	119.5	70.0	62.4	73.6	9.86
MEAN						0	5.13	3.85	2.33	2.01	2.37	.33
MAX						0	7.8	5.9	3.4	3.0	2.9	3.0
MIN						0	0	1.5	1.1	1.1	1.9	0
AC-FT						0	305	237	139	124	146	20
CAL YEAR 1998	MAX	4.1	MIN	0	AC-FT	532						
WTR YEAR 1999	MAX	7.8	MIN	0	AC-FT	970						

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

LISCO CANAL from North Platte River, 00082000 - 1999

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

GAGE.--Continuous stage recorder and weir

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20						0	0	32	34	83	49
2	25						0	0	46	45	70	56
3	24						0	0	44	43	48	55
4	29						0	0	18	36	33	38
5	36						0	0	16	36	29	32
6	29					0	0	0	20	43	33	32
7	22					0	0	0	22	51	32	35
8	8.5					0	0	0	23	46	25	33
9						0	0	0	29	44	40	33
10						0	0	0	43	53	45	39
11						0	0	0	38	51	43	36
12						0	0	0	46	47	42	37
13						0	0	0	55	46	36	37
14						0	0	0	43	45	42	42
15						0	0	0	44	50	46	38
16						0	0	0	46	50	46	38
17						0	0	0	42	46	43	36
18						0	0	0	42	22	46	32
19						0	0	0	47	29	45	31
20						0	0	0	54	50	45	36
21						0	0	0	46	48	46	50
22						0	0	0	51	49	48	62
23						0	0	0	56	50	50	32
24						0	0	0	52	47	50	0
25						0	0	0	51	45	45	0
26						0	0	0	47	50	43	0
27						0	0	0	43	53	43	
28						0	0	32	45	50	50	
29					-----	0	0	46	40	49	60	
30					-----	0	0	56	34	50	49	
31		-----			-----	0	-----	52	-----	50	48	-----
TOTAL	193.5					0	0	186	1,215	1,408	1,404	909
MEAN	24.2					0	0	6.00	40.5	45.4	45.3	35.0
MAX	36					0	0	56	56	53	83	62
MIN	8.5					0	0	0	16	22	25	0
AC-FT	384					0	0	369	2,410	2,790	2,780	1,800
CAL YEAR 1998	MAX	65	MIN	0	AC-FT	11,760						
WTR YEAR 1999	MAX	83	MIN	0	AC-FT	10,540						

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER at Lisco, 06686000 - 1999

LOCATION.--SW1/4NE1/4 Sec. 33-18-46 W., Garden County, Lat. 41° 29' 24", Long. 102° 37' 04", 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 U. S. Geological Survey 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 5,700 cubic feet per second June 17, gage height 3.88 feet; minimum daily discharge 810 cubic feet per second estimated January 16.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,800	1,530	1,360	1,120E	1,090	919	857	2,600	3,970	4,090	2,610	1,520
2	1,920	1,550	1,340	1,120E	1,060	960	884	2,640	3,960	4,060	2,880	1,730
3	1,930	1,690	1,320	1,140E	1,050	979	903	2,870	4,090	3,980	2,790	2,880
4	2,090	1,690	1,310	1,140E	1,020	983	903	3,330	4,210	3,890	2,440	3,580
5	2,210	1,620	1,320	1,160E	1,050	993	957	3,730	4,120	3,750	2,280	3,600
6	2,190	1,630	1,300E	1,180E	1,040	961	972	3,860	4,150	3,510	2,230	3,150
7	2,100	1,630	1,290E	1,160E	1,050	982	1,010	3,990	4,240	3,300	1,990	2,860
8	1,990	1,590	1,280E	1,140E	1,040	990	1,100	4,070	4,280	3,120	1,750	2,690
9	1,880	1,580	1,270	1,120E	1,010	988	1,190	4,130	4,220	2,970	1,460	2,560
10	1,820	1,490	1,320	1,100E	988	996	1,440	4,190	4,090	3,000	1,200	2,470
11	1,770	1,510	1,300E	1,060E	957	987	1,410	4,300	4,060	2,980	1,080	2,380
12	1,700	1,480	1,320	1,040E	881	1,020	1,400	4,170	4,230	2,980	928	2,360
13	1,640	1,470	1,320	1,020E	950	1,020	1,400	4,050	4,550	2,960	873	2,180
14	1,590	1,460	1,300	1,000E	946	999	1,540	4,240	4,760	2,970	861	2,110
15	1,600	1,420	1,280	900E	956	994	1,460	4,200	4,870	2,950	853	2,090
16	1,620	1,380	1,250	810	939	971	1,460	4,030	5,310	2,990	888	2,110
17	1,640	1,400	1,230	861	955	949	1,480	3,940	5,560	2,910	923	2,080
18	1,640	1,380	1,220E	905	968	953	1,490	3,850	5,150	2,540	930	2,040
19	1,590	1,340	1,220E	952	963	951	1,530	3,690	4,850	2,300	908	2,020
20	1,520	1,330	1,200E	978	949	933	1,570	3,690	4,810	2,290	864	2,070
21	1,500	1,320	1,160E	993	953	929	1,720	3,780	4,650	2,340	871	2,050
22	1,480	1,290	1,140E	1,010	962	945	1,780	3,890	4,470	2,290	951	2,100
23	1,430	1,280	1,120E	990E	923	938	1,840	3,860	4,230	2,140	1,040	2,280
24	1,480	1,300	1,120E	977	934	921	1,850	3,800	4,110	2,010	1,100	2,390
25	1,470	1,290	1,140E	990E	889	905	2,050	3,680	3,980	1,960	1,070	2,380
26	1,420	1,290	1,160E	995	900	908	2,300	3,630	3,910	1,930	1,030	2,370
27	1,430	1,310	1,160E	1,040E	903	898	2,310	3,610	3,990	1,930	985	2,230
28	1,570	1,340	1,140E	1,050E	912	923	2,270	3,600	4,300	1,970	1,060	2,050
29	1,610	1,350	1,120E	1,040	-----	895	2,340	3,680	4,390	2,020	1,440	1,940
30	1,570	1,340	1,100E	1,060	-----	850	2,520	3,700	4,280	2,100	1,560	1,940
31	1,590	-----	1,100E	1,090	-----	841	-----	3,790	-----	2,090	1,540	-----
TOTAL	52,790	43,280	38,210	32,141	27,238	29,481	45,936	116,590	131,790	86,320	43,385	70,210
MEAN	1,703	1,443	1,233	1,037	973	951	1,531	3,761	4,393	2,785	1,400	2,340
MAX	2,210	1,690	1,360	1,180	1,090	1,020	2,520	4,300	5,560	4,090	2,880	3,600
MIN	1,420	1,280	1,100	810	881	841	857	2,600	3,910	1,930	853	1,520
AC-FT	104,700	85,850	75,790	63,750	54,030	58,480	91,110	231,300	261,400	171,200	86,050	139,300
CAL YEAR 1998 TOTAL		542,789	MEAN	1,487	MAX	4,290	MIN	386	AC-FT	1,077,000		
WTR YEAR 1999 TOTAL		717,371	MEAN	1,965	MAX	5,560	MIN	810	AC-FT	1,423,000		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

MIDLAND-OVERLAND CANAL from North Platte River, 00098000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0						0	0	0	15	12	3.3
2	6.0						0	0	0	13	17	3.3
3	6.2						0	0	0	13	14	5.4
4	7.0						0	0	0	10	11	7.1
5	4.7						0	0	0	9.5	10	12
6	1.6						0	0	0	8.6	6.2	14
7	.42						0	0	0	7.8	4.9	14
8	0						0	0	0	8.7	6.8	14
9	0						0	0	0	8.1	6.4	12
10	0						0	0	0	7.4	6.7	9.7
11	0						0	0	0	8.2	2.4	7.0
12	3.9					0	0	0	0	8.7	.45	4.6
13	6.6					0	0	0	0	11	0	2.7
14	6.2					0	0	0	0	15	0	1.5
15	6.0					0	0	0	0	15	0	1.1
16	2.9					0	0	0	0	14	0	1.0
17	1.3					0	0	0	0	15	.34	1.0
18	.17					0	0	0	0	14	1.6	.93
19	0					0	0	0	7.8	13	1.1	.89
20						0	0	0	20	11	.88	.81
21						0	0	0	20	7.4	.88	.73
22						0	0	0	19	7.6	2.1	2.9
23						0	0	0	20	6.8	6.7	6.4
24						0	0	0	21	6.0	6.9	5.9
25						0	0	0	20	5.1	6.6	4.6
26						0	0	0	20	4.4	5.9	5.4
27						0	0	0	20	4.0	7.3	2.6
28						0	0	0	23	4.1	8.1	.66
29					-----	0	0	0	19	6.0	4.4	.07
30					-----	0	0	0	15	9.3	2.8	0
31		-----			-----	0	-----	0	-----	10	3.3	-----
TOTAL	57.99					0	0	0	224.8	296.7	156.75	145.59
MEAN	3.05					0	0	0	7.49	9.57	5.06	4.85
MAX	7.0					0	0	0	23	15	17	14
MIN	0					0	0	0	0	4.0	0	0
AC-FT	115					0	0	0	446	589	311	289
CAL YEAR 1998	MAX	24	MIN	0	AC-FT	1,670						
WTR YEAR 1999	MAX	23	MIN	0	AC-FT	1,750						

NORTH PLATTE RIVER BASIN

PAISLEY CANAL from Blue Creek, 00120000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16						0	0	.58	16	15	8.1
2	17						0	0	.47	15	15	10
3	18						0	0	0	15	15	12
4	19						0	0	0	15	14	12
5	21					0	0	0	.48	15	13	10
6	20					0	0	0	2.9	16	14	10
7	19					0	0	0	.89	15	14	13
8	20					0	0	0	0	14	13	15
9	19					0	0	0	0	15	12	15
10	19					0	0	0	0	15	13	15
11	19					0	0	0	0	15	14	15
12	19					0	0	0	0	14	11	16
13	19					0	0	0	0	14	.36	15
14	20					0	0	0	0	15	.36	14
15	20					0	0	0	1.8	15	.36	14
16	20					0	0	0	2.5	15	6.6	15
17	20					0	0	0	1.6	14	7.9	15
18	17					0	0	0	1.0	14	1.0	15
19	15					0	0	0	.97	13	5.8	15
20	14					0	0	0	1.6	8.8	6.7	16
21	13					0	0	0	13	13	6.6	16
22	3.7					0	0	0	16	12	7.5	16
23	0					0	0	0	16	11	7.5	16
24	0					0	0	0	16	10	9.0	16
25	0					0	0	0	15	9.8	13	16
26	0					0	0	0	17	11	14	16
27	0					0	0	0	16	11	14	16
28	0					0	0	0	15	12	15	17
29	0				-----	0	0	0	15	13	13	17
30	0				-----	0	0	0	15	14	10	17
31	0	-----			-----	0	-----	.17	-----	14	9.6	-----
TOTAL	387.7					0	0	0.17	168.79	419.6	311.28	433.1
MEAN	12.5					0	0	.005	5.63	13.5	10.0	14.4
MAX	21					0	0	.17	17	16	15	17
MIN	0					0	0	0	0	8.8	.36	8.1
AC-FT	769					0	0	.3	335	832	617	859
CAL YEAR 1998	MAX	28	MIN	0	AC-FT	3,250						
WTR YEAR 1999	MAX	21	MIN	0	AC-FT	3,410						

NORTH PLATTE RIVER BASIN

BLUE CREEK & HOOPER CANAL from Blue Creek, 00017100 - 1999

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. Deliveries to Hooper Canal shown seperately in this report.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	11					0	0	16	40	51	0
2	31	5.3					0	0	11	34	54	0
3	26	0					0	0	7.9	34	56	0
4	27	0					0	0	1.8	34	54	0
5	25	0					0	0	1.4	47	40	0
6	15	0				0	0	0	.41	47	26	0
7	10	0				0	0	0	.18	46	25	8.2
8	15	0				0	0	0	.02	46	28	14
9	15					0	0	0	0	46	46	14
10	16					0	0	0	0	46	51	14
11	23					0	0	0	0	45	53	15
12	23					0	0	0	0	47	53	8.5
13	22					0	0	0	0	48	56	11
14	19					0	0	0	0	32	56	16
15	19					0	0	0	8.0	44	41	16
16	19					0	0	0	15	48	34	16
17	18					0	0	0	21	33	28	16
18	10					0	0	0	38	24	0	16
19	6.4					0	0	0	40	34	0	16
20	6.4					0	0	0	42	8.0	0	18
21	6.3					0	0	0	42	9.9	0	18
22	8.1					0	0	0	40	11	0	17
23	8.8					0	0	0	39	10	24	16
24	8.3					0	0	0	46	10	34	20
25	9.6					0	0	0	51	11	26	24
26	11					0	0	0	53	25	47	24
27	11					0	0	0	52	31	47	22
28	11					0	0	0	53	49	33	18
29	11				-----	0	0	0	49	49	.15	17
30	11				-----	0	0	0	50	50	0	10
31	11	-----			-----	0	-----	0	-----	51	0	-----
TOTAL	482.9	16.3				0	0	0	677.71	1,089.9	963.15	384.7
MEAN	15.6	2.04				0	0	0	22.6	35.2	31.1	12.8
MAX	31	11				0	0	0	53	51	56	24
MIN	6.3	0				0	0	0	0	8.0	0	0
AC-FT	958	32				0	0	0	1,340	2,160	1,910	763
CAL YEAR 1998	MAX	52	MIN	0	AC-FT	8,600						
WTR YEAR 1999	MAX	56	MIN	0	AC-FT	7,170						

NORTH PLATTE RIVER BASIN

HOOPER CANAL from Blue Creek via Blue Creek Canal, 00067000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	0					0	0	0	6.5	12	0
2	3.6	0					0	0	0	5.6	12	0
3	2.9	0					0	0	0	5.7	12	0
4	2.8	0					0	0	0	5.8	11	0
5	2.5	0					0	0	0	6.8	9.8	0
6	1.7	0				0	0	0	0	6.9	8.9	0
7	1.8	0				0	0	0	0	6.9	8.6	.34
8	3.7	0				0	0	0	0	7.2	9.1	0
9	3.8					0	0	0	0	7.6	12	0
10	3.3					0	0	0	0	8.0	11	0
11	3.6					0	0	0	0	7.7	9.6	0
12	3.3					0	0	0	0	7.8	9.9	0
13	3.2					0	0	0	0	9.8	9.9	0
14	3.0					0	0	0	0	9.0	9.3	0
15	3.1					0	0	0	0	7.4	5.2	0
16	4.2					0	0	0	0	8.8	4.2	0
17	3.3					0	0	0	0	7.4	3.9	0
18	0					0	0	0	0	7.2	0	0
19	0					0	0	0	0	9.7	0	0
20	0					0	0	0	0	4.4	0	0
21	0					0	0	0	0	9.7	0	0
22	0					0	0	0	0	8.9	0	0
23	0					0	0	0	0	6.4	2.8	0
24	0					0	0	0	4.2	3.6	4.0	0
25	0					0	0	0	8.2	2.8	3.2	0
26	0					0	0	0	7.7	1.9	4.3	0
27	0					0	0	0	7.6	7.0	6.0	0
28	0					0	0	0	7.5	12	7.0	0
29	0				-----	0	0	0	7.3	11	0	0
30	0				-----	0	0	0	7.1	11	0	0
31	0	-----			-----	0	-----	0	-----	11	0	-----
TOTAL	53.6	0				0	0	0	49.6	231.5	185.7	0.34
MEAN	1.73	0				0	0	0	1.65	7.47	5.99	.011
MAX	4.2	0				0	0	0	8.2	12	12	.34
MIN	0	0				0	0	0	0	1.9	0	0
AC-FT	106	0				0	0	0	98	459	368	.7
CAL YEAR 1998	MAX	12	MIN	0	AC-FT	1,260						
WTR YEAR 1999	MAX	12	MIN	0	AC-FT	1,030						

NORTH PLATTE RIVER BASIN

UNION CANAL from Blue Creek, 00146000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11					0	0	0	0	17	11	2.3
2	12					0	0	0	0	12	11	3.1
3	6.5					0	0	0	0	13	11	3.5
4	15					0	0	0	0	9.9	11	4.2
5	7.2					0	0	0	0	10	11	4.0
6	0					0	0	0	0	11	11	3.7
7	7.1					0	0	0	0	11	11	3.3
8	4.6					0	0	0	0	11	9.9	3.0
9	.29					0	0	0	0	10	9.9	3.2
10	0					0	0	0	0	11	12	3.2
11	0					0	0	0	0	11	11	3.2
12	0					0	0	0	0	11	10	3.8
13						0	0	0	0	11	10	4.5
14						0	0	0	0	12	11	5.0
15						0	0	0	0	10	11	5.1
16						0	0	0	0	9.6	10	4.3
17						0	0	0	0	11	9.6	4.3
18						0	0	0	5.8	11	1.6	4.4
19						0	0	0	6.7	8.5	.40	4.3
20						0	0	0	9.2	6.5	.36	3.9
21						0	0	0	10	7.5	.33	4.8
22						0	0	0	9.8	7.9	.33	8.5
23						0	0	0	9.3	8.0	5.9	8.3
24						0	0	0	8.9	8.1	11	9.9
25						0	0	0	9.3	9.2	9.6	10
26						0	0	0	13	9.3	7.6	9.8
27						0	0	0	14	9.1	11	10
28						0	0	0	17	8.1	9.9	5.8
29					-----	0	0	0	13	11	3.8	.98
30					-----	0	0	0	13	11	2.2	2.4
31		-----			-----	0	-----	0	-----	10	2.1	-----
TOTAL	63.69					0	0	0	139.0	316.7	247.52	146.78
MEAN	5.31					0	0	0	4.63	10.2	7.98	4.89
MAX	15					0	0	0	17	17	12	10
MIN	0					0	0	0	0	6.5	.33	.98
AC-FT	126					0	0	0	276	628	491	291
CAL YEAR 1998	MAX	17	MIN	0	AC-FT	1,980						
WTR YEAR 1999	MAX	17	MIN	0	AC-FT	1,810						

NORTH PLATTE RIVER BASIN

GRAF CANAL from Blue Creek, 00060000 - 1999

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

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

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11						0	0	0	5.9	.11	.19
2	12						0	0	0	13	.51	.20
3	4.3						0	0	0	8.0	3.9	.23
4	0						0	0	0	3.9	4.7	.19
5	0						0	0	0	3.2	5.2	.17
6	0						0	0	0	2.8	10	.15
7	0						0	0	0	3.6	10	.15
8	0						0	0	0	3.4	11	.15
9	0						0	0	0	2.5	7.6	.15
10	0						0	0	0	.99	1.3	.16
11	0						0	0	0	1.3	1.8	4.3
12	0					0	0	0	0	1.4	1.4	9.8
13						0	0	0	0	.40	5.4	7.7
14						0	0	0	0	1.5	6.8	7.5
15						0	0	0	0	2.6	8.1	7.5
16						0	0	0	0	1.1	10	7.6
17						0	0	0	0	1.3	6.9	7.6
18						0	0	0	0	4.4	.12	7.6
19						0	0	0	0	9.9	.09	7.4
20						0	0	0	0	14	.08	6.4
21						0	0	0	0	12	.05	6.1
22						0	0	0	0	12	.03	6.1
23						0	0	0	0	12	.01	6.0
24						0	0	0	0	12	.01	5.9
25						0	0	0	0	12	.01	5.8
26						0	0	0	0	11	.13	5.7
27						0	0	0	.69	10	.21	5.8
28						0	0	0	2.2	5.6	.25	6.1
29					-----	0	0	0	3.0	.28	.20	5.2
30					-----	0	0	0	2.9	.20	.19	.93
31		-----			-----	0	-----	0	-----	.16	.19	-----
TOTAL	27.3					0	0	0	8.79	172.43	96.29	128.77
MEAN	2.28					0	0	0	.29	5.56	3.11	4.29
MAX	12					0	0	0	3.0	14	11	9.8
MIN	0					0	0	0	0	.16	.01	.15
AC-FT	54					0	0	0	17	342	191	255
CAL YEAR 1998	MAX	13	MIN	0	AC-FT	1,980						
WTR YEAR 1999	MAX	14	MIN	0	AC-FT	860						

NORTH PLATTE RIVER BASIN

BLUE CREEK near Lewellen, 06687000 - 1999

LOCATION.--NE1/4 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 are 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 159 cubic feet per second May 14, gage height 4.76 feet; maximum gage height 6.67 feet March 3 due to backwater from ice; minimum daily discharge 0.27 cubic feet per second August 1.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	92	96	109	96E	88E	90	98	82	8.8	.27	70
2	19	103	96	101	98E	88E	88	102	79	18	.54	72
3	35	125	96	80	100E	88E	88	102	80	19	1.7	76
4	44	118	96	87	98	88E	93	97	86	21	2.0	86
5	56	108	96	134	98E	88E	96E	92	83	8.4	4.0	82
6	64	105	94	120	98E	88E	98E	86	81	3.5	18	76
7	65	106	91	107	98E	88E	100	85	84	2.7	20	64
8	52	108	91	103	98E	86E	98	89	86	2.8	21	50
9	55	103	93	107	98E	86E	110	90	83	2.2	7.0	50
10	54	98	94	92	96E	86E	127	90	82	1.2	1.5	50
11	46	90	93	95	96E	86E	122	88	84	1.3	1.3	46
12	45	98	94	98	96E	88E	106	89	86	1.4	1.2	46
13	45	97	95	94	96E	90E	98	92	86	.90	2.2	50
14	50	97	95	90	96E	92E	96	122	88	6.3	2.4	43
15	50	96	95	91	94E	77	98	109	93	7.2	7.8	44
16	51	96	96	90	94E	91	96	107	89	1.3	17	45
17	52	96	94	88	94E	88	91	111	76	6.3	25	46
18	61	94	97	83	94E	88	92	102	48	23	93	45
19	69	92	95	88E	94E	88	92	96	39	13	74	44
20	71	93	86E	90E	92E	90	93	102	37	68	70	48
21	72	93	80E	90E	92E	91	102	99	28	45	71	47
22	78	95	82E	88E	92E	92	112	107	19	42	71	45
23	87	95	90E	88E	92E	93	120	97	19	40	49	46
24	88	94	94E	88E	90E	93	120E	93	16	38	20	44
25	84	93	100E	88E	90E	92	126E	91	9.1	35	28	37
26	84	94	102E	76	90E	91	131	87	4.5	23	13	36
27	84	95	104E	78	90E	91	118	96	1.7	19	8.3	37
28	89	95	106E	79	88E	93	104	100	1.6	5.2	16	48
29	90	96	106E	86E	-----	93	99	104	4.1	1.1	73	53
30	87	97	108E	90E	-----	92	98	101	4.6	.75	72	63
31	90	-----	108E	94E	-----	92	-----	97	-----	.40	70	-----
TOTAL	1,933	2,962	2,963	2,892	2,648	2,765	3,102	3,021	1,659.6	465.75	861.21	1,589
MEAN	62.4	98.7	95.6	93.3	94.6	89.2	103	97.5	55.3	15.0	27.8	53.0
MAX	90	125	108	134	100	93	131	122	93	68	93	86
MIN	16	90	80	76	88	77	88	85	1.6	.40	.27	36
AC-FT	3,830	5,880	5,880	5,740	5,250	5,480	6,150	5,990	3,290	924	1,710	3,150
CAL YEAR 1998 TOTAL		25,203.24	MEAN	69.0	MAX	125	MIN	.14	AC-FT	49,990		
WTR YEAR 1999 TOTAL		26,861.56	MEAN	73.6	MAX	134	MIN	.27	AC-FT	53,280		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER at Lewellen, 06687500 - 1999

LOCATION.--SE1/4NW1/4 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 44 cubic feet per second July 13, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharge 5,520 cubic feet per second June 19, gage height 7.71 feet; minimum daily discharge 949 cubic feet per second August 16.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,690	1,710	1,390	1,160E	1,150	1,080	967	2,390	4,200	4,330	2,120	1,640
2	1,780	1,730	1,390	1,160E	1,150	1,100	954	2,450	4,210	4,030	2,790	1,740
3	1,870	1,880	1,360	1,180E	1,140	1,090	995	2,520	4,230	3,970	2,920	2,220
4	1,980	1,850	1,340	1,140E	1,110	1,110	1,020	2,820	4,370	3,840	2,730	3,380
5	2,120	1,790	1,350	1,100E	1,140	1,140	1,110	3,320	4,450	3,690	2,430	3,940
6	2,070	1,760	1,330	1,040E	1,140	1,130	1,170	3,640	4,420	3,480	2,300	3,700
7	1,970	1,780	1,250	1,060E	1,140	1,090	1,120	3,780	4,500	3,220	2,160	3,180
8	1,860	1,770	1,170	1,060E	1,110	1,100	1,230	3,960	4,570	2,970	1,960	2,830
9	1,800	1,720	1,200	1,100E	1,110	1,080	1,320	4,090	4,610	2,780	1,770	2,600
10	1,750	1,640	1,200E	1,100E	1,140	1,080	1,710	4,160	4,610	2,710	1,590	2,430
11	1,710	1,570	1,200E	1,100E	1,140	1,090	1,740	4,270	4,600	2,800	1,460	2,330
12	1,670	1,580	1,250E	1,080E	1,070	1,100	1,650	4,430	4,590	2,800	1,220	2,280
13	1,640	1,580	1,250E	1,060E	1,080	1,150	1,620	4,280	4,710	2,760	1,050	2,110
14	1,620	1,570	1,300E	1,040E	1,120	1,180	1,700	4,420	4,900	2,720	1,000	1,960
15	1,630	1,550	1,300	1,000E	1,110	1,170	1,680	4,430	5,100	2,730	962	1,970
16	1,640	1,540	1,300	1,020E	1,100	1,150	1,570	4,440	5,170	2,700	949	2,030
17	1,620	1,520	1,310	1,040E	1,120	1,100	1,540	4,290	5,230	2,760	1,210	2,090
18	1,620	1,490	1,320	1,080E	1,140	1,050	1,560	4,130	5,400	2,640	1,110	2,110
19	1,610	1,450	1,300E	1,250E	1,140	1,050E	1,570	4,020	5,470	2,380	975	2,110
20	1,600	1,440	1,250E	1,200E	1,130	1,050E	1,650	3,980	5,240	2,460	955	2,240
21	1,580	1,480	1,200E	1,140	1,110	1,060E	1,790	3,910	4,960	2,210	975	2,260
22	1,560	1,490	1,180E	1,090	1,130	1,060E	1,910	3,990	4,750	2,280	990	2,300
23	1,550	1,430	1,160E	1,060	1,110	1,060	1,990	3,950	4,570	2,190	976	2,400
24	1,560	1,390	1,140E	1,070	1,120	1,060	1,920	3,910	4,360	2,050	976	2,550
25	1,580	1,370	1,180E	1,030	1,110	1,030	2,030	3,850	4,180	1,990	1,020	2,530
26	1,550	1,350	1,180E	1,110	1,120	1,030	2,190	3,730	4,070	1,860	1,020	2,470
27	1,540	1,380	1,200E	1,100	1,060	1,020	2,230	3,730	4,010	1,770	985	2,370
28	1,620	1,360	1,180E	1,100	1,050	1,040	2,190	3,780	4,310	1,720	1,170	2,240
29	1,750	1,350	1,160E	1,090	-----	1,010	2,140	3,880	4,380	1,840	1,470	2,050
30	1,700	1,370	1,140E	1,090	-----	1,010	2,240	4,010	4,360	1,830	1,670	1,960
31	1,750	-----	1,140E	1,100	-----	991	-----	3,990	-----	1,830	1,690	-----
TOTAL	52,990	46,890	38,620	33,950	31,290	33,461	48,506	118,550	138,530	83,340	46,603	72,020
MEAN	1,709	1,563	1,246	1,095	1,118	1,079	1,617	3,824	4,618	2,688	1,503	2,401
MAX	2,120	1,880	1,390	1,250	1,150	1,180	2,240	4,440	5,470	4,330	2,920	3,940
MIN	1,540	1,350	1,140	1,000	1,050	991	954	2,390	4,010	1,720	949	1,640
AC-FT	105,100	93,010	76,600	67,340	62,060	66,370	96,210	235,100	274,800	165,300	92,440	142,900
CAL YEAR 1998 TOTAL		567,954	MEAN	1,556	MAX	4,230	MIN	545	AC-FT	1,127,000		
WTR YEAR 1999 TOTAL		744,750	MEAN	2,040	MAX	5,470	MIN	949	AC-FT	1,477,000		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

KINGSLEY RESERVOIR from North Platte River, 06690000 - 1999

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,242,300	1,288,700	1,318,600	1,308,600	1,333,800	1,351,600	1,346,500	1,367,100	1,534,300	1,712,500	1,652,600	1,585,500
2	1,242,300	1,291,200	1,316,100	1,308,600	1,333,800	1,351,600	1,346,500	1,372,200	1,537,100	1,715,600	1,649,700	1,585,500
3	1,244,700	1,293,700	1,316,100	1,308,600	1,333,800	1,354,200	1,346,500	1,374,800	1,548,400	1,715,600	1,649,700	1,588,400
4	1,249,500	1,296,100	1,318,600	1,306,100	1,333,800	1,351,600	1,343,900	1,380,000	1,551,200	1,718,600	1,643,800	1,588,400
5	1,247,100	1,298,600	1,318,600	1,308,600	1,333,800	1,351,600	1,346,500	1,385,200	1,556,900	1,721,600	1,643,800	1,591,200
6	1,247,100	1,303,600	1,316,100	1,306,100	1,336,300	1,351,600	1,343,900	1,387,800	1,562,600	1,724,700	1,643,800	1,594,100
7	1,249,500	1,306,100	1,316,100	1,306,100	1,336,300	1,349,000	1,343,900	1,390,500	1,568,300	1,730,800	1,643,800	1,597,000
8	1,249,500	1,306,100	1,313,600	1,308,600	1,336,300	1,351,600	1,343,900	1,395,700	1,571,100	1,730,800	1,640,800	1,599,900
9	1,251,900	1,311,100	1,313,600	1,311,100	1,338,800	1,351,600	1,346,500	1,403,600	1,579,800	1,727,800	1,640,800	1,599,900
10	1,251,900	1,308,600	1,313,600	1,311,100	1,338,800	1,351,600	1,346,500	1,411,500	1,582,600	1,727,800	1,640,800	1,599,900
11	1,256,800	1,308,600	1,313,600	1,313,600	1,338,800	1,351,600	1,346,500	1,416,800	1,591,200	1,721,600	1,640,800	1,599,900
12	1,256,800	1,311,100	1,313,600	1,311,100	1,338,800	1,351,600	1,349,000	1,422,100	1,597,000	1,721,600	1,640,800	1,599,900
13	1,256,800	1,313,600	1,313,600	1,316,100	1,338,800	1,351,600	1,349,000	1,432,800	1,599,900	1,718,600	1,637,900	1,597,000
14	1,259,300	1,313,600	1,313,600	1,316,100	1,341,400	1,351,600	1,349,000	1,440,800	1,608,600	1,715,600	1,632,000	1,597,000
15	1,259,300	1,313,600	1,313,600	1,318,600	1,341,400	1,351,600	1,351,600	1,446,200	1,611,600	1,715,600	1,632,000	1,597,000
16	1,264,100	1,316,100	1,313,600	1,318,600	1,341,400	1,354,200	1,349,000	1,454,300	1,620,300	1,709,500	1,626,100	1,594,100
17	1,264,100	1,316,100	1,313,600	1,321,100	1,343,900	1,354,200	1,349,000	1,462,500	1,626,100	1,706,500	1,629,100	1,591,200
18	1,264,100	1,316,100	1,313,600	1,321,100	1,343,900	1,354,200	1,349,000	1,467,900	1,635,000	1,703,500	1,623,200	1,588,400
19	1,266,600	1,316,100	1,313,600	1,323,600	1,343,900	1,351,600	1,349,000	1,473,300	1,640,800	1,706,500	1,620,300	1,585,500
20	1,269,000	1,316,100	1,311,100	1,323,600	1,346,500	1,351,600	1,349,000	1,478,800	1,652,600	1,700,500	1,617,400	1,582,600
21	1,271,500	1,316,100	1,311,100	1,326,100	1,343,900	1,349,000	1,351,600	1,481,500	1,661,500	1,697,400	1,614,500	1,582,600
22	1,271,500	1,318,600	1,308,600	1,326,100	1,346,500	1,351,600	1,354,200	1,489,800	1,670,500	1,694,400	1,614,500	1,576,900
23	1,271,500	1,316,100	1,306,100	1,326,100	1,346,500	1,349,000	1,354,200	1,495,300	1,673,500	1,691,400	1,608,600	1,576,900
24	1,273,900	1,318,600	1,303,600	1,326,100	1,346,500	1,349,000	1,354,200	1,498,100	1,676,400	1,688,400	1,602,800	1,576,900
25	1,273,900	1,316,100	1,303,600	1,328,700	1,349,000	1,349,000	1,359,300	1,503,600	1,679,400	1,685,400	1,599,900	1,576,900
26	1,276,400	1,316,100	1,301,100	1,328,700	1,349,000	1,349,000	1,359,300	1,511,900	1,685,400	1,682,400	1,597,000	1,574,000
27	1,276,400	1,316,100	1,301,100	1,328,700	1,351,600	1,351,600	1,359,300	1,514,700	1,691,400	1,673,500	1,591,200	1,574,000
28	1,278,800	1,316,100	1,301,100	1,331,200	1,351,600	1,349,000	1,361,900	1,520,300	1,694,400	1,667,500	1,591,200	1,574,000
29	1,281,300	1,316,100	1,301,100	1,331,200	-----	1,349,000	1,364,500	1,523,100	1,700,500	1,664,500	1,591,200	1,574,000
30	1,283,800	1,316,100	1,303,600	1,331,200	-----	1,346,500	1,364,500	1,525,900	1,706,500	1,658,600	1,588,400	1,571,100
31	1,286,200	-----	1,303,600	1,333,800	-----	1,346,500	-----	1,531,500	-----	1,652,600	1,588,400	-----
MAX	1,286,200	1,318,600	1,318,600	1,333,800	1,351,600	1,354,200	1,364,500	1,531,500	1,706,500	1,730,800	1,652,600	1,599,900
MIN	1,242,300	1,288,700	1,301,100	1,306,100	1,333,800	1,346,500	1,343,900	1,367,100	1,534,300	1,652,600	1,588,400	1,571,100
CHANGE	46,300	29,900	-12,500	30,200	17,800	-5,100	18,000	167,000	175,000	-53,900	-64,200	-17,300
CAL YEAR 1998				MEAN 1,445,199			MAX 1,640,000		MIN 1,240,000			
WTR YEAR 1999				MEAN 1,436,358			MAX 1,730,800		MIN 1,242,300			

NORTH PLATTE RIVER BASIN

SUTHERLAND CANAL from North Platte River and Kingsley Reservoir, 00138000 - 1999

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

GAGE.--Continuous stage recorder and concrete control section

PERIOD OF RECORD.--1936 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,260	641	958	934	750	738	1,300	1,060	1,020	1,230	1,710	1,730
2	1,240	643	955	937	749	787	1,310	984	1,020	1,230	1,700	1,720
3	1,230	644	956	953	750	873	1,310	916	1,030	1,230	1,680	1,600
4	1,220	645	955	923	754	956	1,310	714	1,030	1,230	1,680	1,520
5	1,220	641	957	856	751	984	1,310	697	1,030	1,230	1,680	1,510
6	1,170	658	961	811	754	991	1,290	700	1,030	1,240	1,680	1,510
7	1,100	794	961	763	751	994	1,300	668	1,030	1,270	1,680	1,510
8	1,030	880	959	766	750	970	1,310	645	1,030	1,550	1,680	1,510
9	954	881	959	763	750	954	1,310	646	1,030	1,680	1,680	1,510
10	857	876	955	758	753	958	1,310	679	1,040	1,720	1,670	1,500
11	829	878	954	756	757	960	1,300	700	1,040	1,740	1,680	1,490
12	802	879	954	757	756	963	1,300	700	1,040	1,740	1,680	1,500
13	777	911	950	758	748	960	1,340	699	1,040	1,740	1,690	1,490
14	770	986	946	764	733	962	1,380	702	1,040	1,740	1,680	1,480
15	769	983	945	761	734	962	1,420	703	1,050	1,750	1,680	1,480
16	763	983	947	761	736	987	1,430	702	1,050	1,750	1,680	1,480
17	762	992	943	760	734	1,010	1,440	700	1,040	1,750	1,690	1,550
18	761	1,050	970	761	734	1,040	1,470	697	1,040	1,750	1,690	1,600
19	724	1,230	1,090	755	738	1,080	1,460	697	1,040	1,750	1,680	1,600
20	661	1,270	1,190	759	739	1,090	1,470	698	1,030	1,750	1,720	1,600
21	661	1,290	1,230	757	740	1,100	1,490	694	1,030	1,740	1,730	1,600
22	661	1,290	1,230	733	742	1,140	1,530	692	1,130	1,740	1,730	1,600
23	652	1,300	1,220	705	742	1,190	1,530	689	1,230	1,730	1,730	1,600
24	645	1,300	1,230	722	738	1,210	1,530	687	1,230	1,730	1,730	1,600
25	644	1,310	1,220	745	736	1,210	1,530	686	1,230	1,730	1,720	1,590
26	640	1,310	1,210	757	739	1,230	1,520	711	1,230	1,730	1,680	1,600
27	636	1,240	1,210	755	739	1,250	1,520	875	1,230	1,720	1,690	1,600
28	636	1,130	1,170	755	744	1,250	1,470	1,020	1,230	1,720	1,680	1,610
29	635	1,050	1,100	753	-----	1,280	1,260	1,030	1,230	1,710	1,700	1,600
30	639	995	1,100	752	-----	1,300	1,140	1,020	1,230	1,710	1,700	1,600
31	642	-----	1,050	749	-----	1,290	-----	1,030	-----	1,710	1,730	-----
TOTAL	25,990	29,680	32,435	24,239	20,841	32,669	41,590	23,841	32,700	50,040	52,530	46,890
MEAN	838	989	1,046	782	744	1,054	1,386	769	1,090	1,614	1,695	1,563
MAX	1,260	1,310	1,230	953	757	1,300	1,530	1,060	1,230	1,750	1,730	1,730
MIN	635	641	943	705	733	738	1,140	645	1,020	1,230	1,670	1,480
AC-FT	51,550	58,870	64,330	48,080	41,340	64,800	82,490	47,290	64,860	99,250	104,200	93,010
CAL YEAR 1998	TOTAL	473,297	MEAN	1,297	MAX	1,890	MIN	620	AC-FT	938,800		
WTR YEAR 1999	TOTAL	413,445	MEAN	1,133	MAX	1,750	MIN	635	AC-FT	820,100		

SOUTH PLATTE RIVER BASIN

SOUTH PLATTE SUPPLY CANAL (Korty) from South Platte River, 06764900 - 1999

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

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

PERIOD OF RECORD.--1947 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	351	574	216	310E	632	504	237	553	1,080	520	0	281
2	343	583	222	320E	603	483	219	577	1,080	320E	0	196
3	336	711	225	340E	572	453	210	884	1,080	200E	0	241
4	334	717	227	360E	554	404	217	1,090	1,080	490E	126	264
5	337	717	228	380E	554	470	238	1,000	1,040	830E	225	273
6	372	698	227	390E	554	542	267	901	1,010	810E	250	281
7	458	690	214	400E	550	583	245	800	1,040	720E	255	274
8	523	690	156	450E	574	583	230	814	1,080	460E	258	261
9	600	687	156	500E	600	572	231	761	1,080	300E	255	253
10	728	643	190	550E	596	562	245	794	1,080	280E	229	246
11	760	560	175	600E	623	559	240	831	1,040	250E	197	243
12	798	573	163	620E	618	539	209	886	1,030	190E	231	243
13	837	576	194	640E	660	485	173	926	1,030	140E	272	243
14	774	572	236	660E	690	455	178	945	1,050	219	277	233
15	851	564	239	680E	690	436	143	977	1,070	144	277	209
16	846	547	228	700E	681	401	138	996	1,080	0	282	181
17	849	491	230	710E	681	379	147	1,020	1,070	0	279	170
18	779	426	224	720E	677	361	136	1,050	1,060	0	281	178
19	740	370	167	740E	664	346	136	1,060	1,050	0	287	183
20	706	361	156	740E	600	322	112	1,090	1,030	0	289	183
21	703	337	301	730E	552	315	103	1,120	1,020	0	293	181
22	702	322	361	720E	550	283	116	1,140	922	0	289	188
23	744	321	335	720E	540	271	133	1,150	816	0	288	198
24	763	316	334	724	540	256	131	1,160	826	0	294	204
25	730	269	293	630	536	251	137	1,170	820	0	298	207
26	716	250	280	575	536	244	141	1,200	830	0	300	209
27	736	249	319	657	528	259	130	1,220	804	0	299	215
28	733	240	329	672	495	253	185	1,100	781	0	302	225
29	709	215	303	675	-----	251	448	1,070	763	0	299	231
30	611	211	307	673	-----	232	538	1,080	629	0	287	243
31	575	-----	300E	654	-----	235	-----	1,080	-----	0	281	-----
TOTAL	20,044	14,480	7,535	18,240	16,650	12,289	6,013	30,445	29,371	5,873	7,500	6,737
MEAN	647	483	243	588	595	396	200	982	979	189	242	225
MAX	851	717	361	740	690	583	538	1,220	1,080	830	302	281
MIN	334	211	156	310	495	232	103	553	629	0	0	170
AC-FT	39,760	28,720	14,950	36,180	33,030	24,380	11,930	60,390	58,260	11,650	14,880	13,360
CAL YEAR 1998 TOTAL		42,059	MEAN	457	MAX	851	MIN	156	AC-FT	83,420		
WTR YEAR 1999 TOTAL		175,177	MEAN	480	MAX	1,220	MIN	0	AC-FT	347,500		

E indicates estimated discharge

NORTH & SOUTH PLATTE RIVER BASIN

SUTHERLAND RESERVOIR from North & South Platte Rivers, 00409100 - 1999

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.

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44,429	39,560	38,498	43,276	51,258	47,118	46,298	53,303	59,335	60,316	56,686	58,979
2	44,536	39,326	38,679	43,276	51,569	46,571	46,298	53,504	59,751	59,988	56,511	58,566
3	44,509	38,912	38,937	43,035	51,428	46,626	46,380	53,733	59,988	59,246	56,540	58,359
4	44,806	38,447	39,300	43,436	51,399	46,489	46,789	54,222	60,316	59,216	56,365	58,359
5	44,267	37,829	39,690	43,998	51,174	46,516	47,091	53,733	61,033	60,197	56,657	58,035
6	44,160	38,009	39,976	44,348	51,090	46,489	47,146	53,676	60,884	61,333	56,832	57,917
7	44,213	37,778	40,212	44,887	51,230	46,680	47,173	53,418	60,944	61,273	57,447	57,359
8	43,757	37,829	40,368	45,185	50,724	46,899	47,036	53,619	60,884	60,674	57,008	57,154
9	43,784	37,803	40,421	45,591	50,612	47,255	47,750	53,647	61,603	60,167	56,774	56,832
10	43,918	37,496	40,656	45,482	50,612	47,033	47,613	53,532	61,213	60,227	57,506	55,551
11	43,677	37,496	40,761	45,482	50,304	47,118	47,613	53,705	61,363	60,018	57,711	55,435
12	43,489	37,113	40,840	45,726	50,276	47,503	47,805	53,561	61,393	59,869	57,154	55,059
13	43,489	37,087	41,050	46,298	50,080	47,448	47,943	53,762	60,794	59,602	57,066	54,539
14	43,516	36,985	41,392	46,762	50,304	47,365	47,805	54,107	60,764	59,721	56,657	53,934
15	43,784	37,240	41,762	47,091	50,080	47,338	47,888	54,049	60,914	59,840	56,569	52,960
16	44,509	37,266	42,132	47,585	50,080	47,365	47,970	54,308	61,003	59,840	56,745	52,846
17	44,833	37,113	42,583	47,778	50,192	47,255	48,026	54,279	61,123	59,543	56,978	52,334
18	44,968	36,756	42,318	48,274	49,996	46,872	48,136	54,683	61,183	59,899	56,482	52,362
19	45,157	36,730	42,053	48,855	49,522	46,872	48,634	55,030	61,243	60,435	56,394	51,824
20	45,157	36,807	41,709	49,522	49,550	46,598	48,855	55,001	61,243	60,674	56,774	51,569
21	44,887	36,985	41,366	50,248	49,439	46,571	48,772	55,580	60,914	59,869	56,978	51,399
22	44,482	37,189	40,971	50,416	49,272	46,271	49,494	55,987	61,003	59,632	56,686	51,202
23	44,294	37,062	41,103	50,752	48,901	46,380	49,606	56,336	60,257	59,335	57,008	51,146
24	43,730	37,087	41,155	50,668	48,634	46,243	50,136	56,220	60,197	58,566	57,359	51,146
25	43,222	37,291	41,366	50,724	48,440	46,243	50,809	56,686	60,555	59,187	57,008	50,752
26	42,769	37,189	41,577	50,949	48,219	46,053	51,512	56,453	60,585	58,595	57,066	50,080
27	42,397	37,675	41,656	51,033	48,108	46,053	51,654	56,891	60,944	58,123	56,803	50,080
28	42,053	38,240	41,867	51,202	47,530	45,781	52,135	57,623	60,406	58,389	58,359	50,220
29	41,577	38,524	41,946	51,512	-----	46,053	52,732	57,858	58,713	57,800	58,595	49,996
30	40,998	38,524	41,682	51,456	-----	46,189	53,189	58,035	60,854	56,978	58,625	49,773
31	40,185	-----	42,397	51,371	-----	46,298	-----	58,950	-----	56,569	59,454	-----
MAX	45,157	39,560	42,583	51,512	51,569	47,503	53,189	58,950	61,603	61,333	59,454	58,979
MIN	40,185	36,730	38,498	43,035	47,530	45,781	46,298	53,303	58,713	56,569	56,365	49,773
CHANGE	-4,217	-1,661	3,873	8,974	-3,841	-1,232	6,891	5,761	1,904	-4,285	2,885	-9,681
CAL YEAR 1998			MEAN	48,483	MAX	63,600	MIN	36,730				
WTR YEAR 1999			MEAN	50,131	MAX	61,603	MIN	36,730				

NORTH & SOUTH PLATTE RIVER BASIN

MALONEY RESERVOIR from North & South Platte Rivers, 00405500 - 1999

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.

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17,480	15,735	17,640	17,480	17,800	17,480	17,480	17,800	17,800	17,800	17,640	17,480
2	17,480	15,890	17,965	17,480	17,800	17,480	17,480	17,965	17,800	17,800	17,965	17,480
3	17,480	15,890	18,130	17,480	17,800	17,480	17,640	17,965	17,640	17,640	17,800	17,640
4	17,480	16,045	17,965	17,480	17,640	17,480	17,640	17,800	17,640	17,320	17,800	17,640
5	17,320	16,045	17,965	17,480	17,640	17,480	17,640	17,800	17,480	16,840	17,965	17,640
6	17,320	16,045	17,965	17,640	17,640	17,480	17,640	17,640	17,480	17,800	17,965	17,640
7	17,320	16,045	17,800	17,640	17,480	17,480	17,640	17,640	17,480	17,800	17,800	17,480
8	17,320	16,045	17,800	17,640	17,640	17,480	17,640	17,800	17,320	17,640	17,640	17,480
9	17,320	16,045	17,800	17,640	17,640	17,480	17,640	17,640	17,480	17,480	17,480	17,640
10	17,320	16,200	17,800	17,640	17,640	17,640	17,640	17,640	17,640	17,480	17,800	17,640
11	17,320	16,360	17,800	17,640	17,640	17,640	17,480	17,640	17,640	17,480	17,640	17,640
12	17,320	16,520	17,800	17,640	17,640	17,640	17,480	17,480	17,640	17,480	17,480	17,640
13	17,480	16,520	17,965	17,640	17,640	17,640	17,480	17,480	17,640	17,320	17,480	17,640
14	17,480	16,680	17,965	17,640	17,640	17,640	17,480	17,480	17,640	17,480	17,480	17,640
15	17,480	16,840	17,965	17,640	17,640	17,640	17,480	17,640	17,640	17,480	17,480	17,640
16	17,320	17,000	17,965	17,640	17,640	17,480	17,480	17,640	17,640	17,640	17,640	17,640
17	17,160	17,000	17,640	17,640	17,480	17,480	17,480	17,640	17,640	17,640	17,640	17,640
18	16,840	17,160	17,480	17,640	17,480	17,480	17,480	17,640	17,480	17,640	17,640	17,480
19	16,360	17,160	17,480	17,640	17,480	17,480	17,480	17,800	17,480	17,640	17,640	17,480
20	16,045	17,160	17,320	17,640	17,480	17,480	17,640	17,800	17,480	17,480	17,640	17,480
21	15,580	17,320	17,320	17,640	17,480	17,480	17,640	17,800	17,480	17,480	17,640	17,480
22	15,270	17,320	17,320	17,640	17,640	17,480	17,640	17,800	17,480	17,480	17,480	17,480
23	15,115	17,320	17,320	17,640	17,640	17,480	17,640	17,640	17,480	17,480	17,480	17,480
24	15,115	17,320	17,320	17,800	17,640	17,480	17,640	17,640	17,480	17,640	17,480	17,480
25	15,115	17,320	17,320	17,800	17,640	17,480	17,800	17,640	17,480	17,640	17,480	17,480
26	15,115	17,320	17,320	17,800	17,480	17,480	18,955	17,640	17,640	17,640	17,480	17,480
27	15,270	17,320	17,320	17,800	17,480	17,480	17,965	17,800	17,640	17,640	17,480	17,480
28	15,425	17,320	17,320	17,800	17,480	17,480	17,965	17,800	17,640	17,480	17,800	17,480
29	15,580	17,160	17,480	17,800	-----	17,480	17,800	17,800	17,640	17,480	17,800	17,480
30	15,580	17,480	17,480	17,640	-----	17,480	17,800	17,800	17,800	17,480	17,640	17,320
31	15,580	-----	17,480	17,640	-----	17,480	-----	17,800	-----	16,680	17,480	-----
MAX	17,480	17,480	18,130	17,800	17,800	17,640	18,955	17,965	17,800	17,800	17,965	17,640
MIN	15,115	15,735	17,320	17,480	17,480	17,480	17,480	17,480	17,320	16,680	17,480	17,320
CHANGE	-1,920	1,900	0	160	-160	0	320	0	0	-1,120	800	-160
CAL YEAR 1998			MEAN	17,357	MAX	18,500	MIN	15,115				
WTR YEAR 1999			MEAN	17,445	MAX	18,955	MIN	15,115				

NORTH & SOUTH PLATTE RIVER BASIN

SUTHERLAND POWER RETURN to the South Platte River, 00140000 - 1999

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

GAGE.--Differential pressure recorder

PERIOD OF RECORD.--1939 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,380	1,380	836	1,160	1,230	1,250	1,250	1,280	1,560	1,750	1,660	1,670
2	1,380	1,380	836	1,160	1,230	1,250	1,250	1,280	1,560	1,750	1,530	1,640
3	1,380	1,380	836	1,160	1,230	1,250	1,250	1,280	1,560	1,750	1,530	1,640
4	1,380	1,380	840	1,160	1,230	1,250	1,250	1,420	1,560	1,750	1,530	1,640
5	1,380	1,380	840	840	1,230	1,250	1,250	1,420	1,560	1,750	1,650	1,640
6	1,380	1,380	840	850	1,230	1,250	1,250	1,420	1,560	1,120	1,600	1,640
7	1,380	1,380	840	850	1,230	1,250	1,250	1,420	1,560	1,130	1,640	1,640
8	1,380	1,380	840	850	1,230	1,250	1,250	1,210	1,580	1,750	1,640	1,640
9	1,380	1,380	840	850	1,310	1,250	1,250	1,210	1,660	1,750	1,640	1,640
10	1,380	1,320	840	850	1,310	1,250	1,250	1,310	1,660	1,750	1,640	1,640
11	1,380	1,320	840	1,030	1,310	1,250	1,250	1,260	1,660	1,750	1,640	1,640
12	1,380	1,320	839	1,030	1,310	1,250	1,250	1,350	1,660	1,750	1,640	1,640
13	1,380	1,320	760	1,030	1,310	1,250	1,250	1,350	1,660	1,750	1,640	1,640
14	1,380	1,320	815	1,030	1,310	1,250	1,250	1,310	1,660	1,660	1,640	1,760
15	1,380	1,320	730	1,030	1,310	1,250	1,250	1,310	1,660	1,580	1,640	1,760
16	1,380	1,320	828	1,030	1,310	1,250	1,250	1,310	1,660	1,540	1,640	1,760
17	1,380	1,320	830	1,030	1,310	1,250	1,250	1,310	1,660	1,540	1,640	1,760
18	1,380	1,330	830	1,030	1,310	1,250	1,250	1,310	1,660	1,540	1,640	1,760
19	1,380	1,400	1,080	1,030	1,310	1,250	1,250	1,310	1,660	1,540	1,640	1,760
20	1,380	1,400	1,220	1,030	1,250	1,250	1,250	1,390	1,660	1,380	1,640	1,760
21	1,380	1,380	1,250	1,030	1,250	1,250	1,250	1,390	1,750	1,540	1,640	1,760
22	1,380	1,380	1,250	1,090	1,250	1,250	1,250	1,380	1,750	1,550	1,640	1,760
23	1,380	1,380	1,250	1,100	1,250	1,250	1,250	1,430	1,750	1,550	1,640	1,760
24	1,380	1,380	1,160	1,100	1,250	1,250	1,250	1,440	1,750	1,550	1,640	1,760
25	1,380	1,380	1,160	1,100	1,250	1,250	1,250	1,440	1,750	1,550	1,640	1,760
26	1,380	1,380	1,160	1,100	1,250	1,250	1,210	1,380	1,750	1,550	1,640	1,730
27	1,380	1,380	1,160	1,100	1,250	1,250	1,230	1,460	1,750	1,530	1,640	1,730
28	1,380	1,090	1,160	1,160	1,250	1,250	1,280	1,460	1,750	1,540	1,640	1,730
29	1,380	870	1,160	1,190	-----	1,250	1,280	1,460	1,750	1,540	1,640	1,730
30	1,380	970	1,160	1,230	-----	1,250	1,280	1,560	1,750	1,600	1,640	1,730
31	1,380	-----	1,160	1,230	-----	1,250	-----	1,560	-----	1,660	1,640	-----
TOTAL	42,780	39,700	30,190	32,460	35,500	38,750	37,530	42,420	49,920	49,440	50,500	51,120
MEAN	1,380	1,323	974	1,047	1,268	1,250	1,251	1,368	1,664	1,595	1,629	1,704
MAX	1,380	1,400	1,250	1,230	1,310	1,250	1,280	1,560	1,750	1,750	1,660	1,760
MIN	1,380	870	730	840	1,230	1,250	1,210	1,210	1,560	1,120	1,530	1,640
AC-FT	84,850	78,740	59,880	64,380	70,410	76,860	74,440	84,140	99,020	98,060	100,200	101,400
CAL YEAR 1998	TOTAL	542,130	MEAN	1,485	MAX	1,860	MIN	730	AC-FT	1,075,000		
WTR YEAR 1999	TOTAL	500,310	MEAN	1,371	MAX	1,760	MIN	730	AC-FT	992,400		

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER near Keystone, 06690500 - 1999

LOCATION.--SW1/4 Sec. 1-14-38 W., Keith County, Lat. 41°12'30", Long. 101°37'50", 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 estimated records are fair.

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 2,660 cubic feet per second July 16, gage height 5.13 feet; minimum daily discharge is zero January 25 - May 11.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	15	411	32	0	0	0	0	230	760	2,320	159
2	24	15	391	34	0	0	0	0	226	1,290	2,010	157
3	23	15	487	33	0	0	0	0	241	1,820	1,690	205
4	25	15	469	33	0	0	0	0	262	1,230	1,600	225
5	23	15	465	34	0	0	0	0	268	496	1,610	221
6	22	15	433	35	0	0	0	0	261	470	1,200	219
7	22	15	424	34	0	0	0	0	266	677	644	408
8	22	15	427	35	0	0	0	0	334	1,220	551	555
9	22	16	430	36	0	0	0	0	328	1,710	373	555
10	22	15	434	36	0	0	0	0	291	1,960	268	691
11	24	12	424	37	0	0	0	0	298	2,110	267	767
12	22	12	433	37	0	0	0	52	297	2,340	211	761
13	23	12	426	38	0	0	0	129	307	2,390	330	1,020
14	23	12	435	38	0	0	0	129	270	2,480	527	1,460
15	23	12	431	39	0	0	0	129	248	2,630	583	1,950
16	23	12	336	40	0	0	0	130E	249	2,630	713	2,160
17	22	11	89	41	0	0	0	160E	217	2,620	867	1,920
18	19	12	27	41	0	0	0	180E	219	2,620	626	1,680
19	20	12	27	41	0	0	0	210E	218	2,540	628	1,660
20	20	11	27	41	0	0	0	235E	208	2,440	632	1,660
21	18	11	28	41	0	0	0	249	205	2,430	641	1,410
22	17	11	27	32	0	0	0	241	196	2,420	787	1,250
23	18	11	27	4.0	0	0	0	247	336	2,320	885	992
24	18	11	28	.60	0	0	0	247	494	2,240	1,010	777
25	18	11	28	0	0	0	0	237	533	2,220	1,260	772
26	18	11	29	0	0	0	0	235	670	2,180	1,290	775
27	17	90	29	0	0	0	0	234	684	2,130	1,210	783
28	17	238	31	0	0	0	0	230	649	2,240	1,160	576
29	16	300	30	0	-----	0	0	231	585	2,230	771	358
30	15	371	32	0	-----	0	0	236	610	2,260	307	357
31	15	-----	32	0	-----	0	-----	230	-----	2,320	156	-----
TOTAL	652	1,334	7,347	812.60	0	0	0	3,971	10,200	61,423	27,127	26,483
MEAN	21.0	44.5	237	26.2	0	0	0	128	340	1,981	875	883
MAX	41	371	487	41	0	0	0	249	684	2,630	2,320	2,160
MIN	15	11	27	0	0	0	0	0	196	470	156	157
AC-FT	1,290	2,650	14,570	1,610	0	0	0	7,880	20,230	121,800	53,810	52,530
CAL YEAR 1998 TOTAL	194,918.18			MEAN 534		MAX 2,670		MIN 0		AC-FT 386,600		
WTR YEAR 1999 TOTAL	139,349.60			MEAN 382		MAX 2,630		MIN 0		AC-FT 276,400		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

KEITH - LINCOLN COUNTY CANAL from North Platte River. 00076000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	34	16	92	44
2							0	0	30	0	35	0
3							0	0	22	0	0	15
4							0	0	23	0	0	51
5							0	0	23	0	0	51
6							0	0	27	26	0	51
7							0	0	36	68	0	54
8							0	0	38	89	0	45
9							0	0	39	85	0	22
10							0	0	30	83	13	17
11							0	0	22	88	0	0
12							0	0	21	86	26	0
13							0	0	18	88	58	4.9
14							0	0	18	92	57	9.6
15							0	0	22	90	63	0
16						0	0	0	32	87	83	0
17						0	0	1.7	33	88	89	0
18						0	0	14	26	88	46	0
19						0	0	7.5	0	87	60	0
20						0	0	17	0	88	67	0
21						0	0	17	0	86	74	0
22						0	0	17	0	86	75	0
23						0	0	20	0	87	75	0
24						0	0	24	32	89	75	0
25						0	0	23	73	89	80	0
26						0	0	23	72	89	80	0
27						0	0	22	64	89	77	0
28						0	0	22	52	93	48	0
29					-----	0	0	27	53	100	0	0
30					-----	0	0	36	55	100	0	0
31		-----			-----	0	-----	34	-----	95	19	-----
TOTAL						0	0	305.2	895	2,252	1,292	364.5
MEAN						0	0	9.85	29.8	72.6	41.7	15.8
MAX						0	0	36	73	100	92	54
MIN						0	0	0	0	0	0	0
AC-FT						0	0	605	1,780	4,470	2,560	723
CAL YEAR 1998	MAX	114	MIN	0	AC-FT	14,250						
WTR YEAR 1999	MAX	100	MIN	0	AC-FT	10,130						

NORTH PLATTE RIVER BASIN

NORTH PLATTE CANAL from North Platte River, 00114000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	38	74	85	308	115
2							0	38	75	84	213	109
3							0	34	76	105	151	104
4							0	13	79	107	132	82
5							0	46	81	128	153	50
6							0	45	81	166	105	49
7							0	45	113	238	84	48
8							0	39	124	297	54	50
9							0	39	125	343	107	51
10							0	51	130	347	113	48
11							0	51	125	348	110	41
12							0	50	92	353	107	0
13							0	50	49	352	114	0
14							0	71	49	340	143	0
15							0	80	38	297	187	0
16						0	0	86	7.7	277	237	0
17						0	0	108	8.2	274	260	0
18						0	0	106	8.9	284	51	0
19						0	0	154	8.8	293	24	0
20						0	0	102	13	316	5.8	.09
21						0	0	97	51	302	2.8	.08
22						0	0	83	86	324	33	0
23						0	0	73	114	329	95	0
24						0	0	73	143	325	156	0
25						0	0	73	177	303	257	0
26						0	0	92	224	277	282	0
27						0	0	92	170	256	283	0
28						0	0	92	109	246	281	0
29					-----	0	0	84	102	257	140	0
30					-----	0	57	75	90	270	127	0
31		-----			-----	0	-----	73	-----	286	130	-----
TOTAL						0	57	2,153	2,623.6	8,209	4,445.6	747.17
MEAN						0	1.90	69.5	87.5	265	143	24.9
MAX						0	57	154	224	353	308	115
MIN						0	0	13	7.7	84	2.8	0
AC-FT						0	113	4,270	5,200	16,280	8,820	1,480
CAL YEAR 1998	MAX	348	MIN	0	AC-FT	35,380						
WTR YEAR 1999	MAX	353	MIN	0	AC-FT	36,170						

NORTH PLATTE RIVER BASIN

PAXTON-HERSHEY CANAL from North Platte River, 00121000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	26	44	111	29
2							0	0	26	49	101	53
3							0	0	33	50	46	52
4							0	0	39	49	0	46
5							0	0	39	52	0	37
6							0	0	41	67	0	34
7							0	0	41	83	0	34
8							0	0	41	101	0	35
9							0	0	40	119	0	35
10							0	0	30	124	0	35
11							0	0	29	123	0	35
12							0	0	34	132	0	35
13							0	2.2	36	135	0	35
14							0	21	36	133	51	35
15							0	22	37	131	88	24
16						0	0	22	40	131	98	15
17						0	0	26	42	129	103	14
18						0	0	30	40	127	38	10
19						0	0	33	40	125	42	8.4
20						0	0	33	39	126	42	8.2
21						0	0	33	38	125	41	8.0
22						0	0	33	38	122	40	5.7
23						0	0	33	43	118	60	
24						0	0	30	55	115	92	
25						0	0	30	71	111	105	
26						0	0	29	76	112	106	
27						0	0	27	62	116	112	
28						0	0	27	46	115	108	
29					-----	0	0	26	44	113	73	
30					-----	0	0	26	44	111	40	
31		-----			-----	0	-----	26	-----	111	16	-----
TOTAL						0	0	509.2	1,246	3,299	1,513	623.3
MEAN						0	0	16.4	41.5	106	48.8	28.3
MAX						0	0	33	76	135	112	53
MIN						0	0	0	26	44	0	5.7
AC-FT						0	0	1,010	2,470	6,540	3,000	1,240
CAL YEAR 1998	MAX	133	MIN	0	AC-FT	16,390						
WTR YEAR 1999	MAX	135	MIN	0	AC-FT	14,260						

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER near Sutherland, 06691000 - 1999

LOCATION.--SW1/4SW1/4 Sec. 4-14-33 W., Lincoln County, Lat. 41° 12' 37", Long. 101° 06' 53"

GAGE.--Continuous stage recorder

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

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								100	201	659	1,560	220
2								120	194	804	1,850	176
3								137	189	1,230	1,770	154
4								142	197	1,480	1,560	344
5								102	194	903	1,470	374
6								91	183	490	1,880	320
7								82	146	264	1,430	287
8								82	135	330	891	399
9								90	186	686	720	511
10								81	271	970	512	551
11								74	215	1,130	488	720
12								64	216	1,240	383	824
13								68	243	1,390	248	830
14								169	250	1,480	257	1,100
15								164	274	1,590	304	1,580
16								153	280	1,760	269	2,040
17								135	272	1,840	344	2,320
18								99	249	1,850	797	2,100
19								135	296	1,820	620	1,850
20								170	290	1,910	602	1,860
21								189	229	1,770	587	1,820
22								217	180	1,660	555	1,510
23								237	136	1,670	593	1,420
24								224	192	1,610	567	1,080
25								215	211	1,560	577	919
26								182	241	1,540	710	864
27								178	675	1,500	715	863
28								186	738	1,470	716	903
29					-----			188	587	1,500	1,230	689
30					-----			202	555	1,480	742	549
31		-----			-----		-----	202	-----	1,490	428	-----
TOTAL								4,478	8,225	41,076	25,375	29,177
MEAN								144	274	1,325	819	973
MAX								237	738	1,910	1,880	2,320
MIN								64	135	264	248	154
AC-FT								8,880	16,310	81,470	50,330	57,870
CAL YEAR 1998	TOTAL	114,350	MEAN	419	MAX	2,610	MIN	67	AC-FT	226,800		
WTR YEAR 1999	TOTAL	108,331	MEAN	708	MAX	2,320	MIN	64	AC-FT	214,900		

NORTH PLATTE RIVER BASIN

BIRDWOOD CANAL from Birdwood Creek, 00016000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	8.8	0				0	0	26	17	40	13
2	15	9.0					0	0	26	16	30	14
3	15	5.7					0	0	27	23	23	14
4	14	.11					0	0	28	22	22	16
5	15	0					0	0	28	20	22	15
6	14	0					0	0	28	16	26	13
7	13	0					0	0	28	17	24	13
8	13	0					0	0	28	20	20	12
9	13	0					0	0	28	21	16	12
10	12	0					0	0	25	21	16	11
11	12	0					0	0	14	21	17	12
12	12	0					0	0	13	24	17	14
13	12	0					0	0	14	36	16	13
14	12	0					0	0	13	41	20	13
15	12	0					0	0	18	40	22	13
16	12	0				0	0	0	17	42	22	14
17	12	0				0	0	0	14	41	23	14
18	12	0				0	0	0	14	43	22	15
19	11	0				0	0	0	15	44	10	16
20	11	0				0	0	0	15	54	.45	17
21	12	0				0	0	0	14	31	9.4	16
22	12	0				0	0	0	13	28	18	16
23	11	.19				0	0	0	15	30	24	15
24	11	0				0	0	0	15	28	24	15
25	11	0				0	0	18	20	27	25	15
26	11	0				0	0	26	31	36	29	15
27	11	0				0	0	24	32	42	30	15
28	12	0				0	0	24	18	49	28	16
29	12	0				0	0	25	15	51	29	13
30	10	0				0	0	25	15	47	14	9.3
31	9.4	-----				0	-----	26	-----	44	13	-----
TOTAL	377.4	23.80	0			0	0	168	607	992	651.85	419.3
MEAN	12.2	.79	0			0	0	5.42	20.2	32.0	21.0	14.0
MAX	15	9.0	0			0	0	26	32	54	40	17
MIN	9.4	0	0			0	0	0	13	16	.45	9.3
AC-FT	749	47	0			0	0	333	1,200	1,970	1,290	832
CAL YEAR 1998	MAX	36	MIN	0	AC-FT	5,320						
WTR YEAR 1999	MAX	54	MIN	0	AC-FT	6,430						

NORTH PLATTE RIVER BASIN

BIRDWOOD CREEK near Hershey, 06692000 - 1999

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 1931 - 1993, all year record, 1994 - present, May - September partial year record.

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								163	135	143	114	144
2								172	131	137	134	141
3								175	133	157	134	142
4								169	134	141	133	166
5								157	132	135	132	152
6								150	128	133	154	143
7								149	123	134	145	145
8								155	124	129	134	139
9								160	125	127	139	141
10								162	187	124	135	143
11								159	158	126	148	142
12								158	150	125	141	149
13								156	143	111	133	141
14								188	141	106	131	141
15								185	160	109	128	141
16								173	152	114	124	139
17								173	146	122	131	143
18								165	144	125	157	142
19								167	145	123	147	140
20								170	146	160	155	145
21								167	146	155	142	139
22								174	145	136	135	138
23								168	143	135	127	138
24								167	141	130	125	138
25								143	138	130	123	138
26								136	138	125	121	137
27								137	189	120	120	137
28								135	150	113	128	137
29					-----			136	137	111	173	142
30					-----			135	134	114	159	146
31		-----			-----		-----	134	-----	111	147	-----
TOTAL								4,938	4,298	3,961	4,249	4,269
MEAN								159	143	128	137	142
MAX								188	189	160	173	166
MIN								134	123	106	114	137
AC-FT								9,790	8,530	7,860	8,430	8,470
CAL YEAR 1998	TOTAL	22,615	MEAN	82.8	MAX	279	MIN	118	AC-FT	44,860		
WTR YEAR 1999	TOTAL	21,715	MEAN	142	MAX	189	MIN	106	AC-FT	43,070		

NORTH PLATTE RIVER BASIN

SUBURBAN CANAL from North Platte River, 00136000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	47	7.2	103	58
2							0	0	44	32	94	55
3							0	0	44	41	86	57
4							0	0	50	15	73	30
5							0	0	56	13	71	0
6							0	0	56	9.4	73	0
7							0	0	54	20	66	0
8							0	0	50	78	65	0
9							0	0	53	91	27	0
10							0	0	68	102	43	0
11							0	0	66	103	68	0
12							0	0	66	97	65	0
13							0	0	69	103	60	0
14							0	11	5.1	105	61	0
15							0	69	3.4	103	77	0
16						0	0	55	3.3	106	93	0
17						0	0	56	3.6	105	99	0
18						0	0	47	3.8	105	12	0
19						0	0	46	5.0	106	8.3	0
20						0	0	51	32	108	0	0
21						0	0	54	54	109	0	0
22						0	0	55	76	109	0	0
23						0	0	57	74	108	43	
24						0	0	57	76	104	70	
25						0	0	55	79	101	79	
26						0	0	53	76	102	85	
27						0	0	52	53	105	85	
28						0	0	51	8.4	105	84	
29					-----	0	0	49	6.7	109	92	
30					-----	0	0	48	5.9	107	69	
31		-----			-----	0	-----	48	-----	104	57	-----
TOTAL						0	0	914	1,288.2	2,612.6	1,908.3	200
MEAN						0	0	29.5	42.9	84.3	61.6	9.09
MAX						0	0	69	79	109	103	58
MIN						0	0	0	3.3	7.2	0	0
AC-FT						0	0	1,810	2,560	5,180	3,790	397
CAL YEAR 1998	MAX	113	MIN	0	AC-FT	14,380						
WTR YEAR 1999	MAX	109	MIN	0	AC-FT	13,730						

NORTH PLATTE RIVER BASIN

CODY-DILLON CANAL from North Platte River, 00027000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0							0	0	3.8	17	5.1
2	0							0	0	4.2	14	3.1
3	0							0	0	5.5	11	2.3
4	0							0	.73	7.3	9.4	4.5
5	0							0	3.4	6.5	8.2	2.8
6	0							0	5.6	3.3	8.2	1.6
7	0							0	7.9	4.6	8.7	1.2
8	0							0	5.2	3.3	3.1	1.5
9	0							0	7.9	13	1.2	3.9
10	0						0	0	15	25	.90	4.7
11	0						0	0	12	25	.95	6.9
12	0						0	0	8.1	23	.71	7.3
13	0						0	0	8.1	24	.02	1.3
14	0						0	0	5.0	24	0	1.5
15	0						0	0	1.6	25	.04	1.5
16	0						0	0	2.0	26	.48	1.7
17	0						0	.05	2.8	25	.48	1.7
18	0						0	.11	3.3	25	9.5	1.5
19	0						0	.07	4.3	23	8.2	1.2
20	0						0	.21	6.2	22	8.6	1.2
21	0						0	.32	7.0	14	5.3	1.1
22	0						0	.22	2.5	16	3.7	.98
23	0						0	.26	.36	21	4.1	.78
24	0						0	.12	2.4	20	4.4	.58
25	0						0	.22	10	20	4.3	.35
26							0	.26	13	19	6.2	.29
27							0	.21	15	19	9.4	.26
28							0	.22	11	18	14	.25
29					-----		0	.07	10	19	15	.19
30					-----		0	.24	6.5	18	1.2	
31		-----			-----		-----	.04	-----	17	1.7	-----
TOTAL	0						0	2.62	176.89	519.5	179.98	61.28
MEAN	0						0	.085	5.90	16.8	5.81	2.11
MAX	0						0	.32	15	26	17	7.3
MIN	0						0	0	0	3.3	0	.19
AC-FT	0						0	5.2	351	1,030	357	122
CAL YEAR 1998	MAX	27	MIN	0	AC-FT	2,890						
WTR YEAR 1999	MAX	26	MIN	0	AC-FT	1,870						

NORTH PLATTE RIVER BASIN

LINCOLN COUNTY DRAIN NO. 1 at North Platte, 06692500 - 1999

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--Continuous record 1931 - 1932, 1955 - 1992, partial year record 1993 - present.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								36	58	79	93	118
2								30	54	70	153	115
3								30	53	81	158	116
4								22	47	88	133	128
5								28	42	96	139	109
6								41	42	76	149	105
7								42	44	74	139	103
8								37	54	61	123	100
9								27	60	52	114	101
10								35	77	42	128	97
11								41	85	40	120	91
12								35	69	44	122	77
13								26	55	48	113	62
14								34	46	51	110	60
15								55	48	53	98	59
16								53	44	47	102	58
17								60	38	58	79	58
18								59	39	60	161	57
19								65	40	62	129	56
20								66	38	57	98	55
21								60	37	55	87	54
22								61	47	68	83	54
23								50	62	74	98	53
24								50	58	77	97	52
25								50	58	81	93	51
26								57	61	77	92	50
27								59	105	75	88	49
28								55	89	79	94	48
29					-----			61	87	89	122	48
30					-----			57	83	86	120	47
31		-----			-----		-----	56	-----	87	127	-----
TOTAL								1,438	1,720	2,087	3,562	2,231
MEAN								46.4	57.3	67.3	115	74.4
MAX								66	105	96	161	128
MIN								22	37	40	79	47
AC-FT								2,850	3,410	4,140	7,070	4,430
CAL YEAR 1998	TOTAL	11,750	MEAN	43.0	MAX	153	MIN	34	AC-FT	23,310		
WTR YEAR 1999	TOTAL	11,038	MEAN	72.1	MAX	161	MIN	22	AC-FT	21,890		

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER at North Platte, 06693000 - 1999

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 2,260 cubic feet per second August 3, gage height 5.61; minimum daily discharge 253 cubic feet per second June 24.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	369	374	580	370E	362	330	331	367	394	805	1,680	653
2	427	412	640	370E	371	322	339	374	375	890	1,890	532
3	466	523	649	370E	366	319	336	414	363	1,050	2,180	505
4	455	536	678	360E	358	317	338	400	359	1,480	2,090	602
5	457	491	701	360E	349	331	356	380	344	1,570	1,830	748
6	430	467	698	370E	345	335	395	362	335	927	1,820	652
7	404	469	700	370E	348	331	365	358	329	677	2,120	606
8	398	482	687	380E	346	333	344	349	292	506	1,570	583
9	393	481	707	380E	348	350	333	344	289	571	1,060	716
10	385	472	714	390E	354	356	341	340	384	820	907	773
11	371	451	729	400E	369	358	349	334	443	1,090	742	813
12	367	441	729	400E	368	346	331	319	368	1,230	693	945
13	366	435	725	420E	368	352	323	305	363	1,340	577	939
14	365	425	726	440E	363	361	326	346	398	1,440	501	993
15	359	425	726	450E	360	367	322	371	437	1,530	515	1,290
16	366	432	745	450E	362	355	315	372	453	1,650	511	1,640
17	372	412	736	450E	355	346	313	371	401	1,780	463	1,900
18	365	404	636	450E	359	334	311	358	381	1,850	985	2,050
19	357	396	529	460E	349	323	310	351	378	1,870	1,050	1,940
20	351	408	450E	453	340	327	307	366	390	1,910	945	1,840
21	350	410	440E	445	333	321	314	386	359	1,980	903	1,810
22	348	407	430E	438	342	319	356	390	293	1,910	863	1,740
23	342	402	400E	431	358	330	420	402	267	1,800	817	1,500
24	338	403	390E	423	364	328	416	404	253	1,770	805	1,360
25	337	397	380E	409	381	331	423	402	301	1,700	730	1,090
26	335	382	400E	402	375	331	524	385	317	1,660	795	1,030
27	343	395	400E	398	357	332	515	376	585	1,640	859	996
28	390	404	390E	391	345	331	455	381	921	1,630	858	998
29	443	443	380E	383	-----	327	408	382	880	1,630	1,240	981
30	411	530	380E	374	-----	326	394	382	789	1,640	1,350	785
31	383	-----	370E	365	-----	328	-----	379	-----	1,630	903	-----
TOTAL	11,843	13,109	17,845	12,552	9,995	10,397	10,910	11,450	12,441	43,976	34,252	33,010
MEAN	382	437	576	405	357	335	364	369	415	1,419	1,105	1,100
MAX	466	536	745	460	381	367	524	414	921	1,980	2,180	2,050
MIN	335	374	370	360	333	317	307	305	253	506	463	505
AC-FT	23,490	26,000	35,400	24,900	19,830	20,620	21,640	22,710	24,680	87,230	67,940	65,480
CAL YEAR 1998 TOTAL		275,663	MEAN	755	MAX	2,420	MIN	304	AC-FT	546,800		
WTR YEAR 1999 TOTAL		221,780	MEAN	608	MAX	2,180	MIN	253	AC-FT	439,900		

E indicates estimated discharge.

SOUTH PLATTE RIVER BASIN

LODGEPOLE CREEK above Oliver Reservoir, 06762500 - 1999

LOCATION.--N1/4NE1/4 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 by U. S. Geological Survey up to Oct. 1, 1991.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								3.4	3.4	4.0	3.2	1.7
2								3.4	3.3	3.9	3.4	1.8
3								3.4	3.3	3.8	3.3	1.9
4								3.4	3.3	3.7	3.3	2.1
5								3.7	3.3	3.2	3.2	2.0
6								4.6	3.3	3.1	3.1	1.9
7								4.5	3.3	3.0	3.0	1.9
8								4.4	3.3	2.9	2.9	1.9
9								4.1	3.3	2.9	2.7	1.9
10								4.5	3.3	2.7	2.6	2.0
11								4.4	3.2	2.6	2.6	2.0
12								4.4	3.2	2.4	2.3	2.0
13								4.2	3.2	2.2	2.2	2.0
14								4.0	3.2	2.1	2.1	2.0
15								3.6	3.3	1.6	1.9	2.1
16								3.5	3.3	1.3	1.7	2.2
17								3.6	3.4	8.2	1.6	2.2
18								3.6	3.6	3.1	1.5	2.2
19								3.5	4.0	2.9	1.4	2.2
20								3.4	4.1	2.8	1.2	2.3
21								3.4	4.3	2.6	1.2	2.3
22								3.9	4.4	2.5	1.3	2.4
23								4.1	4.4	2.5	1.3	2.4
24								3.9	4.4	2.6	1.3	2.4
25								3.4	4.4	2.7	1.2	2.5
26								3.5	4.3	2.8	1.1	2.5
27								3.5	4.4	2.9	1.2	2.5
28								3.4	4.2	3.0	1.4	2.6
29					-----			3.4	4.3	3.3	1.5	2.6
30					-----			3.4	4.0	3.5	1.5	2.6
31		-----			-----		-----	3.4	-----	3.6	1.5	-----
TOTAL								116.9	110.7	94.4	63.7	65.1
MEAN								3.77	3.69	3.05	2.05	2.17
MAX								4.6	4.4	8.2	3.4	2.6
MIN								3.4	3.2	1.3	1.1	1.7
AC-FT								232	220	187	126	129
CAL YEAR 1998	TOTAL	462.5	MEAN	1.69	MAX	4.8	MIN	.90	AC-FT	917		
WTR YEAR 1999	TOTAL	450.8	MEAN	2.95	MAX	8.2	MIN	1.1	AC-FT	894		

SOUTH PLATTE RIVER BASIN

LODGEPOLE CREEK below Oliver Reservoir, 00219000 - 1999

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

GAGE.--Continuous stage recorder and 3 ft. rectangular weir notch in sheet pile cutoff wall

PERIOD OF RECORD.--Continuous record 1981 - 1992, 1993 - present, partial year record.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								.67	.50	.36	.30	.26
2								.69	.45	.38	.24	.25
3								.65	.42	.36	.18	.29
4								1.2	.42	.31	.12	.31
5								1.6	.39	.24	.12	.25
6								1.8	.38	.29	.12	.24
7								.54	.30	.24	.12	.24
8								.53	.30	.24	.12	.24
9								.50	.30	.28	.12	.24
10								.62	.30	.26	.12	.24
11								.55	.35	.28	.09	.25
12								.48	.28	.30	.12	.24
13								.52	.24	.32	.11	.24
14								.51	.25	.30	.12	.24
15								.43	.26	.30	.12	.24
16								.47	.24	.31	.12	.24
17								.46	.24	.53	.12	.24
18								.40	.24	.41	.12	.24
19								.39	.27	.43	.12	.26
20								.35	.30	.44	.12	.30
21								.26	.32	.35	.12	.27
22								.22	.30	.30	.12	.24
23								.21	.30	.24	.12	.24
24								.26	.30	.18	.18	.24
25								.39	.30	.15	.18	.24
26								.42	.33	.15	.18	.24
27								.43	.30	.18	.26	.24
28								.41	.30	.17	.27	.24
29					-----			.39	.33	.18	.28	.24
30					-----			.43	.30	.17	.27	.24
31		-----			-----		-----	.43	-----	.25	.21	-----
TOTAL								17.21	9.51	8.90	4.91	7.48
MEAN								.56	.32	.29	.16	.25
MAX								1.8	.50	.53	.30	.31
MIN								.21	.24	.15	.09	.24
AC-FT								34	19	18	9.7	15
CAL YEAR 1998	MAX	2.6	MIN	.12	AC-FT	135						
WTR YEAR 1999	MAX	1.8	MIN	.09	AC-FT	95						

SOUTH PLATTE RIVER BASIN

WESTERN CANAL from South Platte River, 00147000 - 1999

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1918 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	0	0	0	0	0	0	0	0	146	181	88
2	26	0	0	0	0	0	0	0	0	52	178	95
3	30	0	0	0	0	0	0	36	0	2.7	180	105
4	32	0	0	0	0	0	0	20	0	0	191	97
5	27	0	0	0	0	0	0	80	0	0	179	81
6	21	0	0	0	0	0	0	258	27	0	171	104
7	21	0	0	0	0	0	0	268	99	0	177	99
8	14	0	0	0	0	0	0	179	120	0	166	100
9	16	0	0	0	0	0	0	88	123	0	183	86
10	0	0	0	0	0	0	0	77	62	.01	174	89
11	0	0	0	0	0	0	0	71	79	0	172	84
12	0	0	0	0	0	0	0	84	120	0	171	73
13	0	0	0	0	0	0	0	97	124	.01	175	83
14	0	0	0	0	0	0	0	76	130	0	185	85
15	0	0	0	0	0	0	0	73	152	45	173	73
16	0	0	0	0	0	0	0	100	147	112	171	76
17	0	0	0	0	0	0	0	97	110	142	165	77
18	0	0	0	0	0	0	0	87	131	165	157	85
19	0	0	0	0	0	0	0	86	152	159	149	78
20	0	0	0	0	0	0	0	62	115	158	93	71
21	0	0	0	0	0	0	0	99	123	162	26	76
22	0	0	0	0	0	0	0	119	108	171	0	78
23	0	0	0	0	0	0	0	76	130	175	0	76
24	0	0	0	0	0	0	0	70	122	175	0	63
25	0	0	0	0	0	0	0	81	155	176	0	89
26	0	0	0	0	0	0	0	55	173	183	0	84
27	0	0	0	0	0	0	0	24	180	190	0	75
28	0	0	0	0	0	0	0	0	138	187	3.8	107
29	0	0	0	0	-----	0	0	0	134	186	.88	107
30	0	0	0	0	-----	0	0	0	145	186	26	102
31	0	-----	0	0	-----	0	-----	0	-----	186	89	-----
TOTAL	213	0	0	0	0	0	0	2,363	3,099	2,958.72	3,536.68	2,586
MEAN	6.87	0	0	0	0	0	0	76.2	103	95.4	114	86.2
MAX	32	0	0	0	0	0	0	268	180	190	191	107
MIN	0	0	0	0	0	0	0	0	0	0	0	63
AC-FT	422	0	0	0	0	0	0	4,690	6,150	5,870	7,020	5,130
CAL YEAR 1998	MAX	165	MIN	0	AC-FT	27,280						
WTR YEAR 1999	MAX	268	MIN	0	AC-FT	29,270						

SOUTH PLATTE RIVER BASIN

SOUTH PLATTE RIVER at North Platte, 06765500 - 1999

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 15,900 cubic feet per second May 18, gage height 12.34 feet; minimum daily discharge 159 cubic feet per second November 26.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	326	189	269	390E	290	271	247	321	2,420	3,410	350	596
2	339	249	269	330E	256	270	251	297	2,720	2,740	402	552
3	298	303	265	400E	253	262	219	358	3,190	2,370	430	563
4	319	266	251	620E	228	253	224	770	3,840	1,970	420	613
5	346	240	255	920E	249	278	235	2,720	4,310	1,380	452	659
6	359	200	234	940E	249	323	254	4,890	4,650	916	593	604
7	347	206	240	960E	277	293	252	8,000	4,400	667	1,130	631
8	346	213	252	960E	326	275	300	14,400	3,680	519	1,250	913
9	368	236	261	980E	362	267	275	14,500	3,010	497	1,420	1,180
10	368	207	275	980E	298	293	280	11,100	2,790	519	2,390	1,310
11	298	203	302	980E	295	297	259	8,120	2,390	459	3,770	1,300
12	292	223	256	960E	299	283	215	5,920	1,950	384	3,980	1,330
13	307	210	333	940E	300	300	227	4,170	1,690	336	3,950	1,310
14	284	216	364	900E	255	302	277	3,430	1,560	300	3,400	1,310
15	333	221	379	860E	289	291	213	2,870	1,660	275	3,370	1,270
16	292	225	374	800E	331	208	199	2,360	1,960	348	3,340	1,210
17	261	238	377	760E	328	185	221	2,050	2,290	401	2,660	1,110
18	251	213	375	740	358	166	220	1,790	2,590	400	2,400E	1,190
19	248	194	340E	635	329	172	231	1,560	2,680	322	2,150	1,230
20	243	199	270E	570	311	209	216	1,410	3,110	305	1,680	1,120
21	252	186	250E	511	284	215	207	1,280	3,790	404	1,430	1,130
22	270	188	290E	469	303	231	230	1,190	4,180	353	1,190	1,090
23	290	173	340E	432	319	218	242	1,070	5,090	410	1,020	1,070
24	291	185	350E	408	324	240	218	958	5,600	510	980	1,060
25	248	175	350E	384	282	245	237	866	5,720	519	869	1,110
26	240	159	360E	387	237	254	305	861	5,420	497	811	1,230
27	272	198	400E	457	221	229	298	821	5,270	416	735	1,220
28	308	213	500E	440	223	219	276	793	5,020	440	697	1,210
29	309	221	400E	407	-----	213	283	915	5,310	402	1,020	1,370
30	229	235	400E	356	-----	214	357	1,310	4,170	385	1,150	1,330
31	204	-----	390E	303	-----	247	-----	1,860	-----	336	869	-----
TOTAL	9,138	6,384	9,971	20,179	8,076	7,723	7,468	102,960	106,460	23,190	50,308	31,821
MEAN	295	213	322	651	288	249	249	3,321	3,549	748	1,623	1,061
MAX	368	303	500	980	362	323	357	14,500	5,720	3,410	3,980	1,370
MIN	204	159	234	303	221	166	199	297	1,560	275	350	552
AC-FT	18,130	12,660	19,780	40,030	16,020	15,320	14,810	204,200	211,200	46,000	99,790	63,120
CAL YEAR 1998	TOTAL	193,172	MEAN	529	MAX	1,620	MIN	118	AC-FT	383,200		
WTR YEAR 1999	TOTAL	383,678	MEAN	1,051	MAX	14,500	MIN	159	AC-FT	761,000		

E indicates estimated discharge.

PLATTE RIVER BASIN

TRI-COUNTY CANAL from Platte River, 00142000 - 1999

LOCATION.--NW1/4 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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,130	2,180	1,860	1,830	2,060	2,080	1,900	2,180	2,200	2,190	2,210	2,190
2	2,210	2,190	1,820	1,450	2,060	2,080	1,880	2,170	2,200	2,200	2,220	2,190
3	2,200	2,190	1,990	1,090	2,040	2,070	1,890	2,190	2,180	2,200	2,210	2,200
4	2,210	2,180	2,030	1,050	2,030	2,040	1,910	2,200	2,180	2,190	2,200	2,200
5	2,210	2,170	2,060	1,220	2,040	2,050	2,050	2,210	2,190	2,200	2,210	2,210
6	2,210	2,170	2,040	1,330	2,030	2,090	2,110	2,180	2,210	2,200	2,220	2,220
7	2,200	2,160	2,050	1,320	2,030	2,100	2,070	2,190	2,180	2,190	2,210	2,220
8	2,190	2,150	2,010	1,380	2,050	2,100	2,010	2,210	2,190	2,200	2,190	2,220
9	2,140	2,170	2,020	1,300	2,130	2,080	1,910	2,170	2,180	2,210	2,210	2,220
10	2,220	2,170	2,040	1,310	2,140	2,080	2,040	2,190	2,190	2,210	2,210	2,210
11	2,200	2,160	2,080	1,310	2,100	2,070	2,060	2,190	2,190	2,220	2,200	2,220
12	2,190	2,160	2,070	1,410	2,080	2,090	2,050	2,200	2,210	2,210	2,200	2,200
13	2,200	2,120	2,050	1,590	2,120	2,100	2,010	2,180	2,200	2,230	2,210	2,200
14	2,170	2,150	2,060	1,810	2,090	2,110	2,010	2,180	2,200	2,200	2,210	2,210
15	2,190	2,130	2,010	1,890	2,090	2,120	1,960	2,180	2,180	2,210	2,210	2,220
16	2,210	2,170	2,170	1,930	2,070	2,090	1,910	2,170	2,190	2,220	2,210	2,210
17	2,190	2,130	2,140	2,110	2,090	2,070	1,890	2,190	2,200	2,220	2,230	2,210
18	2,190	2,100	2,090	2,150	2,120	2,040	1,910	2,190	2,180	2,220	2,220	2,220
19	2,180	2,120	2,100	2,160	2,120	2,050	1,960	2,190	2,190	2,220	2,230	2,190
20	2,180	2,160	1,480	2,170	2,080	2,030	1,940	2,200	2,210	2,220	2,220	2,200
21	2,190	2,160	1,240	2,110	2,060	2,030	1,920	2,200	2,190	2,220	2,230	2,190
22	2,190	2,150	1,060	2,050	2,080	2,030	1,980	2,200	2,210	2,230	2,230	2,190
23	2,190	2,150	1,140	2,030	2,100	2,040	2,160	2,200	2,210	2,220	2,220	2,190
24	2,190	2,140	1,050	2,030	2,110	2,040	2,150	2,190	2,220	2,220	2,230	2,200
25	2,180	2,140	1,090	1,950	2,120	2,050	2,160	2,200	2,210	2,210	2,230	2,200
26	2,180	2,160	1,320	1,900	2,100	2,050	2,200	2,200	2,190	2,210	2,230	2,190
27	2,190	2,170	1,430	1,950	2,080	2,050	2,190	2,200	2,190	2,200	2,220	2,190
28	2,170	2,030	1,320	2,010	2,070	2,040	2,200	2,210	2,210	2,190	2,220	2,210
29	2,180	1,910	1,440	2,050	-----	2,020	2,170	2,220	2,200	2,200	2,220	2,190
30	2,180	1,860	1,540	2,080	-----	2,010	2,200	2,220	2,200	2,210	2,210	2,190
31	2,170	-----	1,770	2,060	-----	1,950	-----	2,200	-----	2,220	2,190	-----
TOTAL	67,830	64,000	54,570	54,030	58,290	63,850	60,800	68,000	65,880	68,490	68,660	66,100
MEAN	2,188	2,133	1,760	1,743	2,082	2,060	2,027	2,194	2,196	2,209	2,215	2,203
MAX	2,220	2,190	2,170	2,170	2,140	2,120	2,200	2,220	2,220	2,230	2,230	2,220
MIN	2,130	1,860	1,050	1,050	2,030	1,950	1,880	2,170	2,180	2,190	2,190	2,190
AC-FT	134,500	126,900	108,200	107,200	115,600	126,600	120,600	134,900	130,700	135,800	136,200	131,100
CAL YEAR 1998	TOTAL	779,280	MEAN	2,135	MAX	2,230	MIN	1,050	AC-FT	1,546,000		
WTR YEAR 1999	TOTAL	760,500	MEAN	2,084	MAX	2,230	MIN	1,050	AC-FT	1,508,000		

PLATTE RIVER BASIN

JEFFREY RESERVOIR from Platte River, 00403700 - 1999

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	CONTENT
Normal maximum operating level	(feet)	(acre-feet)
Normal minimum operating level	2759.0	6,349
	2745.0	5,113

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,812	5,787	5,182	5,292	4,912	4,512	5,842	5,787	5,787	5,842	5,787	5,787
2	4,662	5,842	5,292	5,292	5,017	4,362	5,732	5,787	5,787	5,787	5,787	5,732
3	4,462	5,787	5,347	5,237	4,962	4,062	5,677	5,842	5,787	5,787	5,787	5,842
4	4,262	5,677	5,292	5,347	4,912	3,962	5,622	5,897	5,732	5,732	5,787	5,842
5	4,112	5,512	5,292	5,402	5,017	3,914	5,677	5,842	5,732	5,787	5,842	5,787
6	4,062	5,402	5,347	5,347	5,127	3,914	5,787	5,787	5,787	5,842	5,842	5,732
7	3,867	5,402	5,292	5,237	4,962	3,629	5,897	5,732	5,787	5,842	5,787	5,622
8	3,724	5,292	5,237	5,182	4,962	3,534	5,952	5,787	5,787	5,787	5,732	5,457
9	3,677	5,237	5,237	5,017	4,962	3,249	5,732	5,787	5,787	5,787	5,677	5,237
10	3,487	5,292	5,347	5,072	5,017	4,162	5,842	5,787	5,787	5,842	5,787	5,017
11	3,249	5,182	5,347	4,862	5,292	4,912	5,787	5,787	5,732	5,787	6,007	4,812
12	4,212	5,182	5,292	5,072	5,292	5,127	5,787	5,842	5,677	5,842	5,897	4,612
13	5,072	5,182	5,237	5,292	5,237	5,292	5,787	5,787	5,787	5,787	5,842	4,362
14	5,402	5,237	5,237	5,512	5,292	5,457	5,842	5,787	5,787	5,787	5,732	2,787
15	5,677	5,292	5,292	5,512	5,237	5,622	5,787	5,842	5,787	5,842	5,732	4,062
16	5,897	5,347	5,292	5,567	5,237	5,677	5,677	5,787	5,732	5,842	5,842	3,819
17	5,787	5,402	5,677	5,732	5,237	5,622	5,677	5,787	5,732	5,787	5,842	3,724
18	5,732	5,402	5,732	5,732	5,292	5,512	5,732	5,732	5,677	5,732	5,787	3,772
19	5,732	5,292	5,567	5,787	5,347	5,512	5,732	5,787	5,457	5,842	5,732	3,677
20	5,677	5,237	4,712	5,732	5,292	5,457	5,732	5,897	5,347	5,677	5,732	4,562
21	5,732	5,237	4,712	5,677	5,237	5,457	5,787	5,842	5,127	5,787	5,787	5,237
22	5,787	5,237	4,762	5,402	5,127	5,512	5,787	5,787	5,732	5,787	5,787	5,237
23	5,787	5,237	4,912	5,127	5,182	5,567	5,842	5,787	5,897	5,897	5,732	5,402
24	5,732	5,237	4,912	4,962	5,127	5,512	5,787	5,842	5,732	5,842	5,732	5,512
25	5,732	5,237	4,912	5,017	5,017	5,787	5,787	5,787	5,732	5,787	5,677	5,512
26	5,732	5,237	5,017	5,347	4,912	5,567	5,842	5,732	5,732	5,787	5,732	5,512
27	5,787	5,292	5,292	5,457	4,762	5,512	5,732	5,677	5,842	5,787	5,732	5,457
28	5,842	5,237	5,512	5,182	4,562	5,567	5,677	5,622	5,732	5,787	5,787	5,457
29	5,842	5,237	5,402	5,017	-----	5,567	5,732	5,567	6,119	5,787	5,787	5,457
30	5,732	5,237	5,127	4,962	-----	5,677	5,732	5,677	6,062	5,787	5,787	5,457
31	5,732	-----	5,127	5,017	-----	5,787	-----	5,787	-----	5,787	5,787	-----
MAX	5,897	5,842	5,732	5,787	5,347	5,787	5,952	5,897	6,119	5,897	6,007	5,842
MIN	3,249	5,182	4,712	4,862	4,562	3,249	5,622	5,567	5,127	5,677	5,677	2,787
CHANGE	-715	-495	-110	-110	-455	1,225	-55.0	55.0	275	-275	0	-330
CAL YEAR 1998			MEAN	5,426	MAX	6,350	MIN	3,249				
WTR YEAR 1999			MEAN	5,411	MAX	6,119	MIN	2,787				

PLATTE RIVER BASIN

JEFFREY POWER RETURN to Platte River, 00143000 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	198	0	0
9	0	0	0	0	0	0	0	0	0	319	0	0
10	0	0	0	0	0	0	0	0	0	198	0	0
11	0	0	0	0	0	0	0	0	0	61	0	0
12	0	0	0	0	0	0	0	0	0	61	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	140	0	0	0	0	0	0	0	0
18	0	0	0	268	0	0	0	0	0	0	0	0
19	0	0	0	176	0	0	0	0	0	0	0	0
20	0	0	0	5.0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	-----	0	0	0	0	0	0	0
30	0	0	0	0	-----	0	0	0	0	0	0	0
31	0	-----	0	0	-----	0	-----	0	-----	0	0	-----
TOTAL	0	0	0	589.0	0	0	0	0	0	837	0	0
MEAN	0	0	0	19.0	0	0	0	0	0	27.0	0	0
MAX	0	0	0	268	0	0	0	0	0	319	0	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	1,170	0	0	0	0	0	1,660	0	0
CAL YEAR 1998	TOTAL	2,252.0	MEAN	6.17	MAX	282	MIN	0	AC-FT	4,470		
WTR YEAR 1999	TOTAL	1,426.0	MEAN	3.91	MAX	319	MIN	0	AC-FT	2,830		

PLATTE RIVER BASIN

ELWOOD RESERVOIR from Platte River, 00403300 - 1999

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18,017	16,609	15,464	14,370	13,446	12,558	21,431	28,601	35,455	37,687	27,657	16,883
2	17,944	16,609	15,464	14,370	13,386	12,558	21,754	28,793	35,564	37,574	27,377	16,540
3	17,944	16,540	15,399	14,306	13,326	12,499	22,077	28,985	35,785	37,461	27,009	16,334
4	17,872	16,540	15,334	14,244	13,326	12,499	22,403	29,369	36,007	37,461	26,825	16,265
5	17,800	16,471	15,334	14,244	13,266	12,442	22,815	29,467	36,117	37,348	26,549	16,265
6	17,728	16,402	15,334	14,182	13,266	12,442	23,063	29,859	36,228	37,235	26,459	16,198
7	17,656	16,402	15,269	14,182	13,205	12,385	23,400	30,055	36,450	37,123	26,099	16,334
8	17,656	16,334	15,203	14,120	13,205	12,385	23,737	30,251	36,560	36,784	25,829	16,609
9	17,586	16,402	15,203	14,120	13,145	12,558	23,992	30,549	36,671	36,450	25,473	16,815
10	17,586	16,334	15,138	14,058	13,145	12,968	24,337	30,749	37,010	36,117	25,120	17,093
11	17,515	16,265	15,073	14,058	13,145	13,266	24,596	30,950	37,235	35,896	25,209	17,374
12	17,445	16,198	15,073	13,997	13,085	13,687	24,856	31,250	37,348	35,564	24,944	17,586
13	17,374	16,198	15,007	13,997	13,026	14,120	25,120	31,452	37,461	35,239	24,509	17,872
14	17,374	16,131	15,007	13,935	13,026	14,433	25,561	31,759	37,574	34,913	24,078	18,089
15	17,304	16,064	14,942	13,935	13,026	14,751	25,829	31,759	37,687	34,587	23,653	18,305
16	17,304	16,064	14,878	13,873	12,968	15,073	26,009	32,168	37,687	34,266	23,063	18,598
17	17,234	16,064	14,878	13,873	12,968	15,997	26,279	32,372	37,800	33,947	23,232	18,820
18	17,163	15,997	14,878	13,873	12,909	16,402	26,549	32,685	37,800	33,734	22,815	19,041
19	17,093	15,930	14,815	13,811	12,851	16,815	26,825	32,789	37,800	33,521	22,403	19,266
20	17,093	15,930	14,751	13,811	12,851	17,163	27,101	32,998	37,915	33,206	22,077	19,493
21	17,022	15,863	14,751	13,749	12,792	17,586	27,377	33,206	37,915	32,893	21,673	19,719
22	16,952	15,796	14,751	13,749	12,792	17,944	27,657	33,521	38,030	32,270	21,273	19,947
23	16,952	15,796	14,688	13,687	12,792	18,305	27,845	33,734	38,030	31,657	20,800	20,179
24	16,883	15,729	14,624	13,627	12,733	18,672	28,127	33,841	38,030	31,150	20,333	20,410
25	16,883	15,662	14,624	13,627	12,733	18,967	28,315	34,053	37,915	30,649	19,947	20,642
26	16,815	15,662	14,560	13,567	12,675	19,341	28,315	34,266	38,030	30,153	19,493	20,800
27	16,815	15,595	14,560	13,567	12,616	19,719	28,315	34,373	38,030	29,565	19,041	21,037
28	16,746	15,595	14,497	13,567	12,616	20,102	28,409	34,587	38,030	29,177	18,598	21,194
29	16,677	15,530	14,497	13,506	-----	20,410	28,409	34,805	37,915	28,793	18,161	21,431
30	16,677	15,530	14,433	13,506	-----	20,800	28,505	35,021	37,800	28,315	17,728	21,431
31	16,609	-----	14,370	13,446	-----	21,115	-----	35,239	-----	27,939	17,374	-----
MAX	18,017	16,609	15,464	14,370	13,446	21,115	28,505	35,239	38,030	37,687	27,657	21,431
MIN	16,609	15,530	14,370	13,446	12,616	12,385	21,431	28,601	35,455	27,939	17,374	16,198
CHANGE	-1,411	-1,079	-1,160	-924	-830	8,499	7,390	6,734	2,561	-9,861	-10,565	4,057
CAL YEAR 1998			MEAN	11,637	MAX	25,800	MIN	342				
WTR YEAR 1999			MEAN	21,826	MAX	38,030	MIN	12,385				

PLATTE RIVER BASIN

JOHNSON RESERVOIR from Platte River, 00403800 - 1999

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42,935	45,685	43,185	40,055	40,055	38,175	40,760	44,185	43,185	44,435	43,435	42,685
2	42,935	45,435	43,185	39,585	39,820	38,410	40,995	44,685	43,935	43,685	43,185	42,935
3	43,185	45,185	43,435	39,820	40,525	37,940	40,995	44,185	43,435	43,935	43,685	42,935
4	43,185	44,935	42,435	39,820	40,760	38,175	41,465	44,185	42,935	43,435	43,185	42,685
5	43,435	44,935	42,935	39,585	40,055	38,175	42,185	44,435	43,185	43,435	43,435	42,685
6	43,935	44,935	42,435	39,820	39,585	37,705	41,465	43,935	43,435	42,435	43,685	42,935
7	43,935	44,935	42,435	40,055	39,350	37,235	41,230	43,685	43,435	42,435	43,935	42,685
8	44,185	44,685	42,685	40,055	39,350	37,470	41,700	43,685	43,185	42,685	44,935	42,185
9	44,185	44,685	42,185	40,290	38,880	39,350	40,760	42,685	42,935	43,185	44,935	42,185
10	44,435	44,935	42,435	40,055	39,585	38,410	40,760	42,685	43,935	42,935	45,435	41,935
11	44,435	44,935	41,700	40,055	39,350	37,940	40,760	43,185	44,435	43,435	45,685	41,700
12	44,435	44,685	42,185	40,290	38,880	37,015	40,995	42,435	44,685	43,685	45,435	41,935
13	43,935	44,685	41,700	41,230	38,645	36,795	42,185	42,185	43,935	43,935	45,185	41,230
14	43,435	44,435	41,465	40,995	38,645	36,575	42,185	42,185	43,935	44,185	45,185	41,465
15	44,185	44,435	41,700	40,760	38,410	37,470	40,995	42,935	43,185	43,685	44,935	40,760
16	44,935	44,185	41,230	40,760	38,410	37,235	40,995	43,435	43,185	43,685	44,685	40,760
17	44,185	43,685	41,700	40,995	38,410	38,175	40,760	42,935	44,185	43,435	44,185	40,290
18	44,685	43,935	40,760	41,230	37,940	38,175	40,290	43,185	43,435	43,935	43,935	40,525
19	44,685	43,685	40,995	41,465	37,940	38,175	40,995	43,435	42,935	43,185	44,185	40,055
20	44,935	43,685	40,995	41,700	37,940	38,175	40,995	43,185	43,185	43,685	44,185	39,820
21	44,685	43,685	40,760	42,185	37,940	37,235	40,995	42,935	43,685	43,435	43,935	38,880
22	45,185	43,685	39,820	42,185	38,175	38,410	41,465	42,685	43,185	43,935	43,935	38,175
23	44,685	43,685	39,820	42,185	38,175	41,465	41,230	43,185	42,935	43,685	43,185	37,940
24	44,935	43,685	39,585	42,185	37,940	43,435	40,760	43,435	42,935	43,935	42,685	37,470
25	44,685	43,435	39,350	42,185	37,940	42,935	40,995	42,935	42,685	44,435	42,185	37,940
26	44,435	43,435	39,350	41,700	38,410	41,935	42,185	42,685	42,685	44,185	40,995	37,940
27	45,185	43,435	39,585	41,465	38,175	42,435	42,685	42,935	43,435	44,435	41,230	39,585
28	45,435	43,435	39,585	40,995	38,410	42,685	43,935	43,185	44,435	44,185	40,995	40,760
29	44,935	43,435	39,820	40,760	-----	42,185	44,435	43,185	44,185	44,435	41,230	41,935
30	45,435	43,685	40,055	40,525	-----	41,230	44,185	42,935	43,685	43,685	41,700	41,935
31	44,935	-----	40,290	40,525	-----	41,230	-----	42,435	-----	43,435	41,935	-----
MAX	45,435	45,685	43,435	42,185	40,760	43,435	44,435	44,685	44,685	44,435	45,685	42,935
MIN	42,935	43,435	39,350	39,585	37,940	36,575	40,290	42,185	42,685	42,435	40,995	37,470
CHANGE	2,500	-1,250	-3,395	235	-2,115	2,820	2,955	-1,750	1,250	-250	-1,500	0
CAL YEAR 1998			MEAN	42,431		MAX	46,200		MIN	36,600		
WTR YEAR 1999			MEAN	42,111		MAX	45,685		MIN	36,575		

PLATTE RIVER BASIN

PHELPS COUNTY CANAL from Platte River via Tri-County Canal, 00122000 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	179	201	240	893	558
2	0	0	0	0	0	0	0	141	199	223	713	498
3	0	0	0	0	0	0	0	69	207	247	616	325
4	0	0	0	0	0	0	0	67	191	262	690	213
5	0	0	0	0	0	0	0	69	134	270	764	231
6	0	0	0	0	0	0	0	149	350	324	354	228
7	0	0	0	0	0	0	0	238	283	552	131	172
8	0	0	0	0	0	0	0	256	230	767	102	107
9	0	0	0	0	0	0	0	225	258	856	147	95
10	0	0	0	0	0	0	0	186	232	958	254	91
11	0	0	0	0	0	0	0	171	182	852	136	27
12	0	0	0	0	0	0	41	206	170	973	117	0
13	0	0	0	0	0	0	63	228	170	983	131	0
14	0	0	0	0	0	0	63	252	240	1,040	183	0
15	0	0	0	0	0	0	61	236	255	1,040	231	0
16	0	0	0	0	0	0	61	211	244	962	236	0
17	0	0	0	0	0	0	61	210	214	870	296	0
18	0	0	0	0	0	0	61	221	233	846	80	0
19	0	0	0	0	0	0	61	251	238	833	112	0
20	0	0	0	0	0	0	61	236	238	882	233	0
21	0	0	0	0	0	0	84	206	255	967	236	0
22	0	0	0	0	0	0	100	202	253	1,080	188	0
23	0	0	0	0	0	0	100	186	243	1,050	198	0
24	0	0	0	0	0	0	100	239	240	1,070	349	0
25	0	0	0	0	0	0	100	249	251	1,050	455	0
26	0	0	0	0	0	0	92	234	289	1,010	561	0
27	0	0	0	0	0	0	100	221	194	1,090	699	0
28	0	0	0	0	0	0	100	219	173	1,100	707	0
29	0	0	0	0	-----	0	108	219	208	1,080	669	0
30	0	0	0	0	-----	0	144	222	246	964	579	0
31	0	-----	0	0	-----	0	-----	223	-----	954	537	-----
TOTAL	0	0	0	0	0	0	1,561	6,221	6,821	25,395	11,597	2,545
MEAN	0	0	0	0	0	0	52.0	201	227	819	374	84.8
MAX	0	0	0	0	0	0	144	256	350	1,100	893	558
MIN	0	0	0	0	0	0	0	67	134	223	80	0
AC-FT	0	0	0	0	0	0	3,100	12,340	13,530	50,370	23,000	5,050
CAL YEAR 1998	MAX	1,230	MIN	0	AC-FT	117,900						
WTR YEAR 1999	MAX	1,100	MIN	0	AC-FT	107,400						

PLATTE RIVER BASIN

JOHNSON POWER RETURN to Platte River, 00144000 - 1999

LOCATION.--SE1/4NW1/4 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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,810	1,820	1,740	1,640	1,880	1,850	1,450	1,490	1,330	1,530	376	563
2	1,790	1,860	1,740	1,570	1,880	1,870	1,400	1,530	1,330	1,550	558	793
3	1,800	1,910	1,760	1,060	1,830	1,870	1,410	1,650	1,320	1,520	656	1,240
4	1,810	1,920	1,760	1,080	1,630	1,880	1,350	1,670	1,330	1,500	581	1,150
5	1,600	1,920	1,770	1,150	1,830	1,860	1,450	1,670	1,390	1,440	491	1,290
6	1,790	1,920	1,780	1,130	1,860	1,860	1,540	1,600	1,180	1,320	923	1,330
7	1,810	1,920	1,770	1,040	1,860	1,860	1,570	1,500	1,260	885	1,150	1,440
8	1,810	1,920	1,790	984	1,860	1,860	1,560	1,480	1,320	237	1,180	1,610
9	1,820	1,920	1,790	1,100	1,870	999	1,510	1,500	1,270	0	1,130	1,590
10	1,820	1,910	1,790	1,140	1,870	1,760	1,630	1,510	1,280	0	1,140	1,690
11	1,820	1,920	1,820	1,180	1,560	1,670	1,630	1,340	1,510	55	1,480	1,750
12	1,820	1,920	1,840	1,150	1,880	1,640	1,310	1,510	1,590	112	1,640	1,780
13	1,820	1,920	1,880	678	1,880	1,610	1,190	1,350	1,580	106	1,630	1,780
14	1,810	1,920	1,840	1,300	1,870	1,620	1,370	1,280	1,520	143	1,590	1,790
15	807	1,920	1,810	1,460	1,880	1,090	1,560	1,300	1,500	160	1,550	1,790
16	1,670	1,920	1,830	1,490	1,880	1,360	1,550	1,330	1,440	267	1,540	1,790
17	1,750	1,910	1,820	1,650	1,880	1,050	1,540	1,330	1,370	357	1,470	1,790
18	1,760	1,910	1,830	1,530	1,880	1,560	1,400	1,310	1,340	378	1,700	1,780
19	1,700	1,870	1,830	1,440	1,850	1,640	1,190	1,290	1,420	401	1,650	1,790
20	1,790	1,850	1,750	1,730	1,790	1,630	1,240	1,290	1,420	309	1,510	1,780
21	1,790	1,860	1,500	1,580	1,800	1,650	1,230	1,330	1,400	213	1,510	1,790
22	1,780	1,880	1,300	1,840	1,810	872	1,270	1,910	1,420	90	1,560	1,780
23	1,810	1,870	1,090	1,870	1,820	0	1,390	1,340	1,340	112	1,550	1,690
24	1,820	1,870	1,080	1,870	1,850	677	1,490	1,290	1,280	110	1,400	1,580
25	1,890	1,870	1,040	1,870	1,850	1,650	1,500	1,270	1,270	127	1,290	1,580
26	1,810	1,870	979	1,880	1,840	1,580	1,410	1,290	1,220	162	1,020	1,580
27	1,820	1,870	877	1,870	1,840	1,590	1,090	1,300	1,320	100	687	468
28	1,710	1,870	845	1,860	1,840	1,590	1,160	1,300	852	126	584	1,280
29	1,820	1,890	844	1,880	-----	1,600	1,320	1,310	1,510	168	555	1,230
30	1,820	1,780	1,050	1,870	-----	1,640	1,530	1,300	1,520	282	657	1,490
31	1,820	-----	1,360	1,880	-----	1,590	-----	1,300	-----	295	629	-----
TOTAL	54,497	56,710	47,905	45,772	51,370	46,978	42,240	43,870	40,832	14,055	35,387	44,984
MEAN	1,758	1,890	1,545	1,477	1,835	1,515	1,408	1,415	1,361	453	1,142	1,499
MAX	1,890	1,920	1,880	1,880	1,880	1,880	1,630	1,910	1,590	1,550	1,700	1,790
MIN	807	1,780	844	678	1,560	0	1,090	1,270	852	0	376	468
AC-FT	108,100	112,500	95,020	90,790	101,900	93,180	83,780	87,020	80,990	27,880	70,190	89,230
CAL YEAR 1998 TOTAL		520,562	MEAN	1,426	MAX	1,920	MIN	0	AC-FT	1,033,000		
WTR YEAR 1999 TOTAL		524,600	MEAN	1,437	MAX	1,920	MIN	0	AC-FT	1,041,000		

PLATTE RIVER BASIN

PLATTE RIVER below Tri-County Diversion Dam, 00229000 - 1999

LOCATION.--SW1/4SW1/4 Sec. 10-13-29 W. near North Platte, Lincoln County, Lat. 41° 06' 26", Long. 100° 38' 06", on left bank
2.1 miles downstream from Tri-County Diversion Dam, 6.9 miles east of North Platte on Highway 30 then 0.25 mile south
and 0.4 mile west on trail road.

DRAINAGE AREA.--Not determined.

GAGE.--Continuous stage recorder. Elevation of gage approximately 2,750 feet from topographic map.

PERIOD OF RECORD.--Partial year record 1958 - 1966, 1969 - 1990, Continuous record 1991 - present

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 14,000 cubic feet per second estimated May 8, gage height unknown; minimum daily
discharge 37 cubic feet per second March 28.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	70	52	380E	51	59	42	72	2,150E	3,800E	1,500E	740E
2	89	168	49	420E	50	59	43	70	2,450E	3,200E	1,600E	540E
3	109	394	51	600E	50	57	45	128	2,900E	3,000E	1,900E	500E
4	82	385	59	960E	55	59	47	374	3,600E	3,000E	1,800E	640E
5	92	284	62	1,080E	56	55	48	2,090	4,000E	2,500E	1,700E	820E
6	90	238	65	1,120E	54	50	52	5,000E	4,300E	760E	1,800E	660E
7	87	279	56	1,220E	56	53	54	7,000E	4,100E	300E	2,700E	660E
8	82	294	60	1,320E	56	51	56	10,000E	3,400E	600E	2,300E	900E
9	81	251	60	1,500E	57	53	53	13,500E	2,800E	600E	1,900E	1,300E
10	84	170	58	1,700E	58	52	51	10,500E	2,600E	880E	2,700E	1,500E
11	60	107	70	2,000E	54	49	54	7,500E	2,300E	1,080E	3,900E	1,500E
12	39	101	73	1,900E	58	50	57	5,500E	1,800E	1,140E	4,100E	1,700E
13	40	103	81	1,800E	54	51	55	3,600E	1,500E	1,200E	3,900E	1,700E
14	38	82	73	1,300E	56	50	51	2,900E	1,400E	1,190E	3,300E	1,850E
15	52	74	71	1,000E	53	53	46	2,350E	1,900E	1,170E	3,300E	2,100E
16	73	70	96	920E	52	52	50	1,900E	1,950E	1,300E	3,200E	2,400E
17	99	63	95	560E	56	49	50	1,500E	2,150E	1,500E	2,500E	2,600E
18	62	55	71	300E	57	46	53	1,250E	2,450E	1,550E	2,800E	2,800E
19	46	54	88	230E	56	47	58	1,020E	2,500E	1,500E	2,600E	2,800E
20	49	67	140E	92	56	46	61	950E	2,900E	1,400E	2,050E	2,600E
21	53	56	180E	62	56	41	58	850E	3,700E	1,700E	1,750E	2,500E
22	76	61	300E	58	57	39	51	760E	4,000E	1,600E	1,450E	2,400E
23	92	65	740E	57	58	43	53	700E	4,900E	1,550E	1,250E	2,200E
24	107	55	800E	55	60	42	55	600E	5,400E	1,600E	1,200E	2,000E
25	80	50	800E	54	61	44	83	500E	5,600E	1,550E	1,000E	1,800E
26	70	54	700E	53	59	41	282	420E	5,200E	1,500E	1,000E	1,800E
27	83	58	720E	50	58	41	204	450E	5,400E	1,400E	1,000E	1,800E
28	220	58	600E	50	58	37	138	420E	5,400E	1,400E	980E	1,750E
29	264	57	520E	50	-----	40	92	540E	5,800E	1,350E	1,700E	1,900E
30	145	54	440E	50	-----	42	96	1,040E	4,500E	1,400E	1,900E	1,700E
31	103	-----	400E	50	-----	43	-----	1,600E	-----	1,400E	1,200E	-----
TOTAL	2,700	3,877	7,630	20,991	1,562	1,494	2,138	85,084	103,050	48,120	65,980	50,160
MEAN	87.1	129	246	677	55.8	48.2	71.3	2,745	3,435	1,552	2,128	1,672
MAX	264	394	800	2,000	61	59	282	13,500	5,800	3,800	4,100	2,800
MIN	38	50	49	50	50	37	42	70	1,400	300	980	500
AC-FT	5,360	7,690	15,130	41,640	3,100	2,960	4,240	168,800	204,400	95,450	130,900	99,490
CAL YEAR 1998 TOTAL		326,160	MEAN	894	MAX	3,040	MIN	38	AC-FT	646,900		
WTR YEAR 1999 TOTAL		392,786	MEAN	1,076	MAX	13,500	MIN	37	AC-FT	779,100		

E indicates estimated discharge.

PLATTE RIVER BASIN

PLATTE RIVER at Brady, 06766000 - 1999

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 good, 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 14,000 cubic feet per second May 9, combined channel flow; minimum daily discharge 121 cubic feet per second December 19, combined channel flow.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	142	206	149	563E	172E	148	138	221	2,550	4,050	1,340	1,210
2	150	209	149	466E	171	142	131	205	3,340	3,310	1,620	856
3	186	373	149	554E	169	134	131	217	4,070	2,940	1,730	730
4	178	458	149	766E	161	135	129	267	4,600	2,940	1,920	824
5	170	405	148	1,070E	160	134	156	1,680	4,960	2,800	1,780	1,020
6	173	345	144	1,170E	151	132	178	4,420	5,280	1,890	1,830	1,070
7	165	328	140	1,270E	147	131	183	6,410	5,280	707	2,410	947
8	159	340	138	1,370E	149	141	168	9,860	4,960	643	2,850	977
9	163	345	141	1,470E	144	143	157	13,500	4,380	666	2,290	1,320
10	161	331	143	1,670E	147	146	156	12,300	4,200	821	2,520	1,650
11	166	258	140	1,870E	143	146	155	9,890	4,270	1,030	3,780	1,850
12	141	237	145	2,170E	136	147	146	7,690	3,260	1,200	4,250	2,050
13	135	229	144	2,070E	139	150	145	6,200	2,430	1,270	3,940	2,100
14	139	212	144	1,970E	144	157	166	5,180	2,000	1,370	3,570	2,090
15	141	192	142	1,270E	142	168	159	4,830	1,880	1,430	3,190	2,290
16	156	179	143	1,170E	141	169	152	4,220	2,050	1,450	3,270	2,610
17	182	166	165	968E	143	161	147	3,620	2,310	1,560	2,860	3,000
18	174	160	165	627E	145	148	144	2,960	2,700	1,680	3,120	3,420
19	164	152	121	467E	142	146	146	2,390	2,780	1,620	3,100	3,710
20	153	149	122	378E	141	144	145	2,020	3,090	1,650	2,730	3,640
21	152	154	261E	268E	142	138	147	1,740	3,690	1,670	2,150	3,480
22	156	151	283E	247E	145	136	153	1,480	4,280	1,830	1,840	3,430
23	162	149	460E	225E	149	138	165	1,310	4,870	1,740	1,610	3,210
24	173	148	860E	215E	164	136	164	1,110	5,440	1,770	1,420	2,890
25	177	149	882E	193E	167	133	188	856	5,750	1,750	1,290	2,570
26	162	148	884E	189E	168	131	289	757	5,760	1,660	1,170	2,450
27	163	149	766E	183E	160	136	456	697	5,840	1,540	1,190	2,440
28	203	148	827E	177E	152	153	347	735	6,140	1,480	1,140	2,430
29	314	151	706E	171E	-----	148	282	781	6,210	1,380	1,440	2,470
30	292	151	665E	171E	-----	144	239	1,050	5,190	1,340	2,180	2,300
31	239	-----	584E	172E	-----	141	-----	1,680	-----	1,310	1,900	-----
TOTAL	5,391	6,772	10,059	25,540	4,234	4,456	5,462	110,276	123,560	52,497	71,430	65,034
MEAN	174	226	324	824	151	144	182	3,557	4,119	1,693	2,304	2,168
MAX	314	458	884	2,170	172	169	456	13,500	6,210	4,050	4,250	3,710
MIN	135	148	121	171	136	131	129	205	1,880	643	1,140	730
AC-FT	10,690	13,430	19,950	50,660	8,400	8,840	10,830	218,700	245,100	104,100	141,700	129,000
CAL YEAR 1998 TOTAL		380,694	MEAN	1,043	MAX	4,330	MIN	116	AC-FT	755,100		
WTR YEAR 1999 TOTAL		484,711	MEAN	1,328	MAX	13,500	MIN	121	AC-FT	961,400		

E indicates estimated discharge.

PLATTE RIVER BASIN

THIRTY MILE CANAL from Platte River, 00141000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	89	103	269	139
2							0	0	99	104	255	125
3							0	0	111	105	248	40
4							0	0	106	109	250	0
5							0	0	103	129	247	0
6							0	0	105	132	210	0
7							0	0	102	169	172	0
8							0	0	102	218	165	0
9							0	0	99	227	161	0
10						0	0	0	90	226	170	0
11						0	0	0	85	246	145	0
12						0	0	0	100	271	125	0
13						0	0	0	99	289	120	0
14						0	0	0	100	300	119	0
15						0	0	0	103	295	118	0
16						0	0	8.4	104	289	144	0
17						0	0	65	105	287	175	0
18						0	0	77	106	276	120	0
19						0	0	72	108	275	121	0
20						0	0	52	108	277	120	0
21						0	0	51	110	283	119	0
22						0	0	52	108	297	124	0
23						0	0	56	107	303	155	0
24						0	0	77	102	307	199	0
25						0	0	77	95	304	238	0
26						0	0	78	96	302	247	0
27						0	0	78	100	290	250	0
28						0	0	79	99	272	247	0
29					-----	0	0	79	103	268	222	0
30					-----	0	0	79	115	272	165	0
31		-----			-----	0	-----	79	-----	272	130	-----
TOTAL						0	0	1,059.4	3,059	7,497	5,550	304
MEAN						0	0	34.2	102	242	179	10.1
MAX						0	0	79	115	307	269	139
MIN						0	0	0	85	103	118	0
AC-FT						0	0	2,100	6,070	14,870	11,010	603
CAL YEAR 1998	MAX	317	MIN	0	AC-FT	44,310						
WTR YEAR 1999	MAX	307	MIN	0	AC-FT	34,650						

PLATTE RIVER BASIN

GOTHENBURG CANAL from Platte River, 00057000 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78						0	0	105	139	344	131
2	77						0	0	100	131	341	114
3	77						0	0	101	139	339	90
4	76						0	0	101	166	336	63
5	75						0	0	100	187	336	63
6	75						0	0	100	234	331	62
7	74						0	0	100	279	314	33
8	39						0	.92	99	319	306	6.6
9	4.6					0	0	7.3	99	347	309	4.7
10	3.7					0	0	8.5	102	348	307	0
11	3.7					0	0	88	104	349	266	0
12	3.4					0	0	71	102	347	245	0
13	3.3					0	0	104	102	346	247	0
14	3.3					0	0	93	102	353	242	0
15	2.1					0	0	92	104	353	237	0
16	0					0	0	89	103	347	252	0
17	0					0	0	86	103	352	270	0
18	0					0	0	89	103	351	170	0
19	0					0	0	90	103	339	168	0
20	0					0	0	90	103	333	167	0
21	0					0	0	90	103	332	168	0
22	0					0	0	91	91	334	167	0
23	0					0	0	90	97	333	182	0
24	0					0	0	95	109	334	197	0
25	0					0	0	101	109	333	211	0
26	0					0	0	101	106	332	227	0
27	0					0	0	102	104	334	227	0
28	0					0	0	102	111	336	227	0
29	0				-----	0	0	102	156	338	201	0
30	0				-----	0	0	103	167	339	161	0
31	0	-----			-----	0	-----	100	-----	341	137	-----
TOTAL	595.1					0	0	1,985.72	3,189	9,445	7,632	567.3
MEAN	19.2					0	0	64.1	106	305	246	18.9
MAX	78					0	0	104	167	353	344	131
MIN	0					0	0	0	91	131	137	0
AC-FT	1,180					0	0	3,940	6,330	18,730	15,140	1,130
CAL YEAR 1998	MAX	368	MIN	0	AC-FT	63,840						
WTR YEAR 1999	MAX	353	MIN	0	AC-FT	46,440						

PLATTE RIVER BASIN

BUFFALO CREEK (B-1) RESERVOIR SUPPLY CANAL from Platte River, 00019500 - 1999

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1983, 1985 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21											
2	27											
3	27											
4	27											
5	26											
6	27											
7	25											
8	27											
9	22											
10	4.4											
11	.51											
12	0											
13	0											
14	0											
15	0											
16	0											
17	0											
18	0											
19	0											
20	0											
21	0											
22	0											
23	0											
24	0											
25	0											
26	0											
27	0											
28	0											
29	0				-----							
30	0				-----							
31	0	-----			-----		-----		-----			-----
TOTAL	233.91											
MEAN	7.55											
MAX	27											
MIN	0											
AC-FT	464											
CAL YEAR 1998	MAX	27	MIN	0	AC-FT	4,480						
WTR YEAR 1999	MAX	27	MIN	0	AC-FT	464						

PLATTE RIVER BASIN

SIX MILE CANAL from Platte River, 00134000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	0	.99	24	3.7
2							0	0	0	.84	23	2.1
3							0	0	0	.69	22	1.0
4							0	0	0	.53	20	.16
5							0	0	.14	4.4	18	0
6							0	0	.30	5.7	16	0
7							0	0	.33	1.2	16	0
8							0	.24	.36	5.3	16	0
9							0	.87	.35	11	16	0
10							0	1.2	.36	11	17	0
11							0	1.2	.46	5.0	13	0
12							0	.93	.44	17	5.6	0
13							0	.63	.34	21	4.3	0
14							0	.46	.26	20	4.0	0
15							0	.38	.23	20	3.5	0
16							0	.30	.19	23	5.3	0
17							0	.22	.19	24	6.3	0
18							0	.14	.27	22	5.5	0
19							0	.09	.33	22	4.7	0
20							0	.05	.38	21	4.6	0
21							0	.03	.45	22	4.2	0
22							0	.03	.54	23	3.8	0
23							0	.01	.62	23	3.3	0
24							0	0	.69	22	4.8	0
25							0	0	.75	23	6.1	0
26							0	0	.81	23	4.6	0
27							0	0	.90	22	4.6	0
28							0	0	.89	22	4.3	0
29							0	0	.91	23	6.1	0
30							0	0	1.1	24	9.2	0
31		-----			-----		-----	0	-----	23	7.1	-----
TOTAL							0	6.78	12.59	486.65	302.9	6.96
MEAN							0	.22	.42	15.7	9.77	.23
MAX							0	1.2	1.1	24	24	3.7
MIN							0	0	0	.53	3.3	0
AC-FT							0	13	25	965	601	14
CAL YEAR 1998	MAX	29	MIN	0	AC-FT	2,280						
WTR YEAR 1999	MAX	24	MIN	0	AC-FT	1,620						

PLATTE RIVER BASIN

COZAD CANAL from Platte River, 00033000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0						0	0	46	82	257	0
2	0						0	0	45	82	246	0
3	0						0	0	47	82	231	0
4	0						0	0	47	82	244	0
5	0						0	0	50	82	231	0
6	0						0	0	46	83	215	0
7	0						0	0	65	39	201	0
8	0						0	0	71	93	180	0
9	0					0	0	0	66	163	170	0
10	0					0	0	0	64	172	192	0
11	0					0	0	0	71	178	173	0
12	0					0	0	44	77	236	138	0
13	0					0	0	63	79	253	138	0
14	0					0	0	61	76	255	134	0
15	0					0	0	62	76	258	135	0
16	0					0	0	61	77	265	145	0
17						0	0	59	78	267	162	0
18						0	0	59	77	267	102	0
19						0	0	54	77	262	85	0
20						0	0	50	77	265	98	0
21						0	0	50	79	262	89	0
22						0	0	50	79	263	98	0
23						0	0	50	79	262	138	0
24						0	0	50	73	262	137	0
25						0	0	50	68	261	140	0
26						0	0	50	68	258	143	0
27						0	0	50	78	253	142	0
28						0	0	51	85	252	42	0
29					-----	0	0	50	84	254	0	0
30					-----	0	0	51	83	255	0	0
31		-----			-----	0	-----	50	-----	254	0	-----
TOTAL	0					0	0	1,065	2,088	6,302	4,406	0
MEAN	0					0	0	34.4	69.6	203	142	0
MAX	0					0	0	63	85	267	257	0
MIN	0					0	0	0	45	39	0	0
AC-FT	0					0	0	2,110	4,140	12,500	8,740	0
CAL YEAR 1998	MAX	291	MIN	0	AC-FT	36,250						
WTR YEAR 1999	MAX	267	MIN	0	AC-FT	27,490						

PLATTE RIVER BASIN

ORCHARD ALFALFA CANAL from Platte River, 00117000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	3.8	17	68	44
2							0	0	3.1	19	66	42
3							0	0	6.4	22	61	29
4							0	0	16	20	55	14
5							0	0	13	21	53	0
6							0	0	15	19	53	0
7							0	0	16	4.9	28	0
8							0	0	16	10	4.0	0
9							0	0	13	29	8.8	0
10						0	0	0	13	34	50	0
11						0	0	0	10	33	24	0
12						0	0	0	15	29	15	0
13						0	0	0	14	41	14	0
14						0	0	0	14	49	16	0
15						0	0	0	16	52	17	0
16						0	0	0	17	59	22	0
17						0	0	0	18	61	41	0
18						0	0	3.0	15	62	12	0
19						0	0	.90	10	67	8.6	0
20						0	0	.56	11	69	8.3	0
21						0	0	2.2	6.7	70	6.8	0
22						0	0	7.1	1.9E	73	7.3	0
23						0	0	4.4	1.9E	70	16	0
24						0	0	2.0	1.9E	70	26	0
25						0	0	1.6	7.6	71	37	0
26						0	0	1.7	12	69	46	0
27						0	0	1.7	19	68	55	0
28						0	0	1.9	18	68	60	0
29					-----	0	0	2.0	18	68	58	0
30					-----	0	0	2.1	23	70	51	0
31		-----			-----	0	-----	2.2	-----	69	45	-----
TOTAL						0	0	33.36	365.3	1,483.9	1,032.8	129
MEAN						0	0	1.08	12.2	47.9	33.3	4.30
MAX						0	0	7.1	23	73	68	44
MIN						0	0	0	1.9	4.9	4.0	0
AC-FT						0	0	66	725	2,940	2,050	256
CAL YEAR 1998	MAX	75	MIN	0	AC-FT	8,820						
WTR YEAR 1999	MAX	73	MIN	0	AC-FT	6,040						

E indicates estimated discharge.

PLATTE RIVER BASIN

DAWSON COUNTY CANAL from Platte River, 00037000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	158	134	485	312
2							0	0	156	137	483	282
3							0	0	151	136	452	280
4							0	0	152	134	437	284
5							0	0	143	135	425	276
6												
7							0	0	142	156	403	281
8							0	0	142	170	387	268
9							0	2.9	137	144	386	265
10						0	0	67	144	242	366	274
11						0	0	0	126	277	368	167
12						0	0	17	148	280	344	0
13						0	0	27	132	331	291	0
14						0	0	30	143	427	295	0
15						0	0	31	151	492	288	0
16						0	0	28	145	517	286	0
17						0	0	22	149	508	298	0
18						0	0	42	145	497	307	0
19						0	0	89	150	509	296	0
20						0	0	100	150	495	271	0
21						0	0	93	149	484	265	0
22						0	0	92	148	486	250	0
23						0	0	82	143	489	250	0
24						0	0	90	147	486	276	0
25						0	0	116	147	489	292	0
26						0	0	143	143	492	307	0
27						0	0	127	145	485	321	0
28						0	0	135	143	482	337	0
29						0	0	151	145	480	352	0
30					-----	0	0	137	146	482	362	0
31		-----			-----	0	0	152	146	485	361	0
						0	-----	164	-----	483	352	-----
TOTAL						0	0	1,937.9	4,366	11,544	10,593	2,689
MEAN						0	0	62.5	146	372	342	89.6
MAX						0	0	164	158	517	485	312
MIN						0	0	0	126	134	250	0
AC-FT						0	0	3,840	8,660	22,900	21,010	5,330
CAL YEAR 1998	MAX	507	MIN	0	AC-FT	70,680						
WTR YEAR 1999	MAX	517	MIN	0	AC-FT	61,750						

PLATTE RIVER BASIN

PLATTE RIVER near Cozad, 06766500 - 1999

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 good, 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 12,000 cubic feet per second May 10, combined channel flow; minimum daily discharge 114 cubic feet per second July 31, combined channel flow.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	156	349	251	642E	326	248	246	358	1,540	4,890	144	1,040
2	171	363	249	587E	314	244	236	362	2,000	3,930	319	712
3	169	405	244	719E	311	242	234	356	2,390	3,290	622	482
4	191	497	244	920E	306	239	232	388	2,850	2,910	762	509
5	193	554	240	1,020E	308	239	260	564	3,200	2,710	864	587
6	183	537	235	1,120E	295	234	287	2,050	3,410	2,290	962	727
7	176	511	226	1,220E	279	233	292	3,710	3,620	1,260	1,140	736
8	170	486	222	1,320E	272	240	289	5,220	3,580	544	1,720	723
9	217	494	219	1,420E	281	243	268	8,370	3,280	354	1,590	764
10	223	502	223	1,520E	295	244	260	11,700	3,300	275	1,210	1,140
11	227	463	222	1,620E	278	245	252	10,100	3,490	297	2,190	1,460
12	236	423	235	1,670E	270	249	246	7,420	3,130	303	2,880	1,570
13	235	404	241	1,810E	240	251	246	5,280	2,450	214	2,850	1,720
14	234	395	248	1,630E	242	260	273	4,250	2,050	148E	2,710	1,810
15	242	374	252	1,480	241	268	288	3,930	1,810	135E	2,450	1,890
16	258	351	256	1,370	244	273	263	3,500	1,770	139E	2,300	2,110
17	288	332	260	1,300	255	269	247	2,900E	2,010	145E	2,180	2,380
18	264	315	288	1,290	263	258	241	2,380E	2,270	276E	2,460	2,580
19	256	291E	272E	1,070	262	255	236	2,170E	2,560	349E	2,460	2,780
20	252	286E	235E	880	259	250	233	1,950E	2,620	310E	2,380	2,900
21	244	281E	229E	723	255	243	232	1,740E	2,900	314E	1,930	2,840
22	242	276E	256E	625	251	243	238	1,520E	3,370	365E	1,580	2,790
23	246	271E	316E	564	253	245	244	1,330E	3,740	431	1,270	2,710
24	253	266E	417E	531	258	245	246	1,150E	4,170	345	976	2,490
25	266	263	478E	490	260	240	269	957	4,470	398	756	2,310
26	275	261	538E	461	256	239	315	823	4,690	405	545	2,080
27	273	257	617E	425	251	241	405	729	4,910	318	404	2,100
28	279	254	697E	405	246	273	500	709	4,960	268	373	2,130
29	300	256	726E	384	-----	265	449	662	5,130	207	509	2,110
30	365	253	724E	376	-----	260	399	712	5,560	144	994	2,190
31	369	-----	696E	348	-----	254	-----	992	-----	114	1,420	-----
TOTAL	7,453	10,970	10,556	29,940	7,571	7,732	8,426	88,282	97,230	28,078	44,950	52,370
MEAN	240	366	341	966	270	249	281	2,848	3,241	906	1,450	1,746
MAX	369	554	726	1,810	326	273	500	11,700	5,560	4,890	2,880	2,900
MIN	156	253	219	348	240	233	232	356	1,540	114	144	482
AC-FT	14,780	21,760	20,940	59,390	15,020	15,340	16,710	175,100	192,900	55,690	89,160	103,900

CAL YEAR 1998	TOTAL	289,727	MEAN	794	MAX	3,330	MIN	21	AC-FT	574,700
WTR YEAR 1999	TOTAL	393,558	MEAN	1,078	MAX	11,700	MIN	114	AC-FT	780,600

E indicates estimated discharge.

PLATTE RIVER BASIN

KEARNEY CANAL from Platte River, 00073000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	0				0	234	98	88	94	206	200
2	134					0	277	94	109	120	209	192
3	133					0	289	87	119	124	206	191
4	126					0	287	87	124	117	209	191
5	119					0	300	58	149	108	207	189
6	142					0	301	25	113	125	209	189
7	162					0	303	21	95	141	217	190
8	162					0	295	16	92	127	217	194
9	162					0	289	17	84	86	211	197
10	162					0	302	18	51	124	190	199
11	160					0	302	17	104	157	191	204
12	157					0	306	15	126	158	188	193
13	157					0	312	12	114	188	180	191
14	154					0	317	11	104	201	167	189
15	136					36	186	9.3	153	200	164	190
16	111					107	101	9.0	176	206	176	191
17	121					55	129	8.5	158	208	206	195
18	116					15	126	8.4	149	211	217	199
19	109					58	113	8.4	149	214	215	203
20	123					121	112	80	131	215	210	204
21	157					170	118	155	115	211	206	198
22	166					235	123	153	124	207	199	197
23	169					220	118	152	138	202	203	197
24	168					206	118	146	137	203	202	191
25	166					245	116	141	137	202	193	184
26	159					245	118	138	135	208	186	180
27	146					130	111	136	130	210	191	175
28	140					76	107	133	118	205	191	170
29	180					74	109	132	118	202	185	183
30	140					73	105	121	110	201	186	195
31	0	-----				125	-----	89	-----	201	196	-----
TOTAL	4,362	0				2,191	6,024	2,195.6	3,650	5,376	6,133	5,761
MEAN	141	0				70.7	201	70.8	122	173	198	192
MAX	180	0				245	317	155	176	215	217	204
MIN	0	0				0	101	8.4	51	86	164	170
AC-FT	8,650	0				4,350	11,950	4,350	7,240	10,660	12,160	11,430
CAL YEAR 1998	MAX	376	MIN	0	AC-FT	98,120						
WTR YEAR 1999	MAX	317	MIN	0	AC-FT	70,800						

PLATTE RIVER BASIN

KEARNEY POWER RETURN to Platte River, 00075000 - 1999

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1939 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	5.0	0	0	0	0	86	91	320	183	154	155
2	114	7.3	0	0	0	0	176	87	194	105	170	157
3	111	3.1	0	0	0	0	177	83	153	123	167	154
4	109	.09	0	0	0	0	231	97	112	110	171	158
5	102	.04	0	0	0	0	271	101	130	100	166	155
6	102	1.9	0	0	0	0	261	16	120	93	175	157
7	131	2.0	0	0	0	0	294	.67	89	125	180	158
8	144	0	0	0	0	0	277	0	81	118	180	159
9	142	0	0	0	0	0	271	0	78	97	178	163
10	138	0	0	0	0	0	277	0	66	76	155	163
11	141	0	0	0	0	0	279	0	55	129	291	164
12	137	0	0	0	0	0	281	.05	114	133	211	161
13	136	0	0	0	0	0	285	0	101	133	164	159
14	135	0	0	0	0	0	308	3.5	88	155	149	160
15	130	0	0	0	0	0	256	1.1	92	145	144	160
16	88	0	0	0	0	0	49	0	138	148	133	165
17	102	0	0	0	0	0	122	1.0	133	143	168	169
18	98	0	0	0	0	0	120	0	119	160	267	172
19	98	0	0	0	0	0	113	0	117	153	172	172
20	91	0	0	0	0	0	105	.03	111	151	163	179
21	116	0	0	0	0	0	101	103	97	153	153	173
22	133	0	0	0	0	0	118	128	88	155	149	172
23	144	0	0	0	0	94	109	128	105	146	145	171
24	148	0	0	0	0	105	109	124	162	151	150	171
25	145	0	0	0	0	114	110	119	124	162	144	171
26	140	0	0	0	0	146	111	118	114	166	134	165
27	130	0	0	0	0	91	107	115	166	167	127	160
28	123	0	0	0	0	37	94	113	359	163	133	147
29	114	0	0	0	-----	28	95	112	234	154	132	154
30	181	0	0	0	-----	30	94	347	190	147	133	160
31	34	-----	0	0	-----	35	-----	167	-----	144	-----	-----
TOTAL	3,762	19.43	0	0	0	680	5,287	2,055.35	4,050	4,288	5,105	4,884
MEAN	121	.65	0	0	0	21.9	176	66.3	135	138	165	163
MAX	181	7.3	0	0	0	146	308	347	359	183	291	179
MIN	34	0	0	0	0	0	49	0	55	76	127	147
AC-FT	7,460	39	0	0	0	1,350	10,490	4,080	8,030	8,510	10,130	9,690
CAL YEAR 1998	TOTAL	40,558.08	MEAN	111	MAX	321	MIN	0	AC-FT	80,450		
WTR YEAR 1999	TOTAL	30,130.78	MEAN	82.6	MAX	359	MIN	0	AC-FT	59,760		

PLATTE RIVER BASIN

PLATTE RIVER near Odessa, 06770000 - 1999

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 are good, 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 12,100 cubic feet per second May 12, gage height 7.13 feet; minimum daily discharge 622 cubic feet per second July 15.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,370	1,700E	1,980	1,750E	2,220	2,160	1,690	2,060	4,470	8,640	692	2,400
2	1,670	1,800E	1,930	1,700E	2,190	2,220	1,490	2,120	4,960	8,150	907	2,230
3	1,630	1,900E	1,930	1,700E	2,260	2,180	1,480	2,170	4,600	6,690	1,180	2,380
4	1,670	2,000E	1,970	1,650E	2,250	2,260	1,460	2,250	4,420	5,620	1,400	2,450
5	1,540	2,100E	2,040	1,650E	2,220	2,310	1,680	2,630	4,640	5,130	1,350	2,320
6	1,500	2,200E	2,030	1,650E	2,460	2,290	1,720	2,650	4,780	4,890	1,560	2,430
7	1,550	2,300E	2,020	1,650E	2,480	2,250	1,810	3,340	5,300E	4,200	2,050	2,610
8	1,650	2,400E	1,980	1,800E	2,480	2,350	1,790	4,480	5,800E	2,750	2,160	2,710
9	1,760	2,500E	1,940	1,900E	2,400	2,170	1,640	5,700	6,400E	1,530	2,560	2,800
10	1,830	2,120	1,950	2,050E	2,360	1,800	1,640	7,270	6,900E	1,060	2,500	2,840
11	1,890	2,070	1,920	2,200E	2,180	2,240	1,640	9,980	7,400E	818	3,120	3,250
12	1,800	2,140	1,970	2,300E	1,940	2,100	1,610	11,700	7,940	866	4,150	3,560
13	1,780	2,170	2,040	2,450E	2,100	2,070	1,410	9,370	6,400	798	4,570	3,400
14	1,820	2,190	2,030	2,600E	2,220	2,030	1,720	6,740	4,690	650	4,490	3,480
15	1,760	2,110	2,000	2,750E	2,370	1,910	1,970	5,750	3,790	622	4,290	3,520
16	1,280	2,060	2,040	2,850E	2,410	1,710	2,080	5,390	3,560	740	3,950	3,650
17	1,880	1,910	2,050	3,000E	2,430	1,800	1,960	5,300	3,440	841	3,740	3,830
18	1,950	1,970	2,030	3,150E	2,490	1,560	1,960	4,940	3,550	930	5,010	4,120
19	1,850	1,900	1,910	3,300E	2,450	1,890	1,700	4,510	3,940	1,040	5,140	4,360
20	1,790	1,800	1,800	3,400E	2,300	1,860	1,720	4,170	4,240	1,100	4,780	4,670
21	1,730	1,790	1,500E	3,450E	2,120	1,800	1,920	3,880	4,310	916	4,480	4,750
22	1,720	1,940	1,400E	3,540	2,090	1,750E	2,160	3,690	4,510	799	4,010	4,790
23	1,720	2,060	1,350E	3,230	2,040	1,700E	1,930	3,820	5,010	693	3,650	4,840
24	1,730	2,140	1,450E	2,980	2,050	1,600E	2,000	3,410	5,380	777	3,160	4,630
25	1,730	2,260	1,700E	2,760	2,090	1,500E	2,050	2,940	5,820	731	2,800	4,380
26	1,720	2,350	2,000	2,670	2,150	1,470	2,000	2,550	6,150	897	2,550	4,130
27	1,710	2,330	2,090	2,590	2,100	1,540	1,840	2,440	7,100	911	1,960	3,690
28	1,630	2,280	2,040	2,460	2,070	1,670	1,710	2,380	7,690	764	1,590	3,110
29	1,510	2,250	1,910	2,360	-----	1,700	1,980	2,310	7,660	725	1,540	3,520
30	1,510	2,140	1,850E	2,370	-----	1,770	2,030	3,350	7,990	712	1,620	3,810
31	1,600E	-----	1,800E	2,330	-----	1,800	-----	3,290	-----	689	2,060	-----
TOTAL	52,280	62,880	58,650	76,240	62,920	59,460	53,790	136,580	162,840	65,679	89,019	104,660
MEAN	1,686	2,096	1,892	2,459	2,247	1,918	1,793	4,406	5,428	2,119	2,872	3,489
MAX	1,950	2,500	2,090	3,540	2,490	2,350	2,160	11,700	7,990	8,640	5,140	4,840
MIN	1,280	1,700	1,350	1,650	1,940	1,470	1,410	2,060	3,440	622	692	2,230
AC-FT	103,700	124,700	116,300	151,200	124,800	117,900	106,700	270,900	323,000	130,300	176,600	207,600
CAL YEAR 1998 TOTAL		815,004	MEAN	2,233	MAX	5,440	MIN	128	AC-FT	1,617,000		
WTR YEAR 1999 TOTAL		984,998	MEAN	2,699	MAX	11,700	MIN	622	AC-FT	1,954,000		

E indicates estimated discharge.

PLATTE RIVER BASIN

WOOD RIVER near Alda, 06772000 - 1999

LOCATION.--NE1/4SE1/4 Sec. 7,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 good except estimated records poor. Many small pump diversions for irrigation above 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 286 cubic feet per second June 3, gage height 8.92 feet; minimum daily discharge 0.41 cubic feet per second October 8.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.52	1.7	2.7	4.2E	6.4E	7.9	9.9	19	75	108	35	25
2	1.2	3.1	2.4	4.0E	6.6E	6.6	9.7	18	229	83	36	28
3	2.4	5.4	2.3	3.8E	6.8E	8.8	11	21	281	76	34	25
4	3.1	6.2	2.6	3.5E	6.6E	6.8	10	18	230	50	30	18
5	1.4	4.2	2.5	3.7E	6.6E	6.7	14	50	104	39	28	15
6	1.1	3.4	2.2	4.3E	7.0E	6.0	15	38	50	34	32	11
7	.57	4.2	2.2	4.2E	6.8E	5.6E	15	36	37	31	34	8.4
8	.41	6.6	3.6E	4.0E	6.6E	5.8E	13	72	31	31	31	8.9
9	.51	7.9	3.6E	4.3E	6.8E	6.2E	13	46	29	28	22	9.3
10	.68	7.0	3.4E	4.2E	6.6E	6.0E	11	31	42	28	17	10
11	.77	10	5.0E	4.1E	6.4E	6.2E	11	25	89	26	38	10
12	1.0	6.7	4.6E	4.3E	6.6E	7.2E	9.2	23	105	29	74	9.3
13	1.5	6.9	4.5E	4.8E	6.8E	10 E	8.1	20	88	33	160	7.5
14	1.5	7.5	4.4E	5.4E	6.6E	11 E	17	19	88	37	113	5.9
15	2.4	6.6	4.4E	5.8E	6.2	13	23	25	151	40	43	5.0
16	1.7	6.0	4.3E	5.6E	3.7	11	19	27	122	46	27	5.2
17	1.1	5.3	4.5E	5.8E	5.2	12	18	30	65	44	19	5.4
18	1.1	5.4	4.6E	5.6E	9.5	12	14	24	48	38	29	5.2
19	.74	5.9	4.6E	5.4E	8.5	14	11	24	44	38	58	5.1
20	.77	5.6	4.5E	5.8E	8.4	12	15	24	37	45	124	5.3
21	.63	5.1	4.1E	6.2E	8.0	11	15	26	34	39	78	5.7
22	.44	5.7	3.6E	5.8E	8.8E	10	14	22	32	41	40	6.9
23	.49	3.6	3.7E	5.8E	9.6E	9.6	13	24	42	44	25	7.3
24	1.0	2.6	4.0E	6.0E	10 E	9.5	89	21	32	44	24	7.4
25	1.0	2.0	4.2E	5.6E	11	10	141	18	30	44	27	7.5
26	1.4	2.2	4.0E	5.8E	7.9	10	48	17	28	40	27	6.3
27	2.1	3.4	4.3E	6.2E	7.6	10	32	17	39	41	24	5.5
28	1.7	2.6	4.1E	6.0E	8.0	9.7	25	17	35	41	24	6.0
29	1.1	2.4	4.0E	6.4E	-----	8.2	22	17	56	43	26	6.7
30	1.2	2.7	4.0E	6.2E	-----	7.9	20	20	160	39	22	4.9
31	1.2	-----	4.1E	6.2E	-----	9.5	-----	18	-----	32	24	-----
TOTAL	36.73	147.9	117.0	159.0	205.6	280.2	685.9	807	2,433	1,332	1,325	286.7
MEAN	1.18	4.93	3.77	5.13	7.34	9.04	22.9	26.0	81.1	43.0	42.7	9.56
MAX	3.1	10	5.0	6.4	11	14	141	72	281	108	160	28
MIN	.41	1.7	2.2	3.5	3.7	5.6	8.1	17	28	26	17	4.9
AC-FT	73	293	232	315	408	556	1,360	1,600	4,830	2,640	2,630	569
CAL YEAR 1998 TOTAL	5,437.02		MEAN	14.9	MAX	525	MIN	0	AC-FT	10,780		
WTR YEAR 1999 TOTAL	7,816.03		MEAN	21.4	MAX	281	MIN	.41	AC-FT	15,500		

E indicates estimated discharge.

PLATTE RIVER BASIN (LOUP RIVER)

SARGENT CANAL from Middle Loup River, 00130000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	59	229	124
2									0	59	211	118
3									0	60	205	108
4									0	60	207	64
5									0	61	196	48
6									0	61	146	49
7									0	75	90	55
8									0	81	81	62
9									0	89	98	62
10									0	120	132	62
11									0	117	110	62
12									0	153	73	63
13									0	190	78	62
14									0	234	79	19
15									0	258	79	0
16									0	234	131	0
17									0	176	192	0
18									0	167	230	0
19									0	173	230	0
20									0	192	208	0
21									0	187	180	0
22									0	194	172	0
23									0	199	205	0
24									0	217	202	0
25									40	225	189	0
26									59	249	184	0
27									60	254	185	0
28									60	238	163	0
29					-----				61	236	157	0
30					-----				60	234	147	0
31		-----			-----		-----		-----	230	128	-----
TOTAL									340	5,082	4,917	958
MEAN									11.3	164	159	31.9
MAX									61	258	230	124
MIN									0	59	73	0
AC-FT									674	10,080	9,750	1,900
CAL YEAR 1998	MAX	241	MIN	0	AC-FT	24,300						
WTR YEAR 1999	MAX	258	MIN	0	AC-FT	22,410						

PLATTE RIVER BASIN (LOUP RIVER)

MIDDLE LOUP CANAL NO. 1 from Middle Loup River, 00090000 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	12	9.6	43	35
2								0	12	9.7	43	35
3								0	12	9.8	43	34
4								0	12	9.4	42	33
5								0	12	8.8	42	27
6								0	12	10	37	23
7								0	12	11	29	21
8								0	12	11	21	20
9								0	11	12	29	20
10								0	11	20	34	20
11								0	10	27	16	20
12								0	10	35	11	19
13								12	9.6	40	10	19
14								13	9.2	38	11	19
15								11	9.6	37	20	8.5
16								11	9.0	36	34	0
17								11	8.8	27	39	0
18								11	9.0	26	40	0
19								11	9.1	31	40	0
20								11	9.4	35	38	0
21								11	9.6	40	37	0
22								10	9.6	41	37	0
23								9.6	9.2	42	36	0
24								9.0	8.9	40	35	0
25								8.7	8.9	39	35	0
26								8.6	8.8	39	34	0
27								9.0	8.8	39	32	0
28								11	8.0	38	32	0
29					-----			12	8.7	42	32	0
30					-----			12	9.6	44	32	0
31		-----			-----		-----	12	-----	43	35	-----
TOTAL								203.9	301.8	890.3	999	353.5
MEAN								6.58	10.1	28.7	32.2	11.8
MAX								13	12	44	43	35
MIN								0	8.0	8.8	10	0
AC-FT								404	599	1,770	1,980	701
CAL YEAR 1998	MAX	43	MIN	0	AC-FT	7,040						
WTR YEAR 1999	MAX	44	MIN	0	AC-FT	5,450						

PLATTE RIVER BASIN (LOUP RIVER)

MIDDLE LOUP CANAL NO. 1 PUMP from Middle Loup River, 00090200 - 1999

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

GAGE.--Flow Meter

PERIOD OF RECORD.--1987 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										0	9.0	0
2										0	9.0	0
3										0	9.0	0
4										0	9.0	0
5										0	9.0	0
6										0	3.4	0
7										0	0	0
8										0	0	0
9										0	0	0
10										0	0	0
11										0	0	0
12										0	0	0
13										0	0	0
14										0	0	0
15										0	0	0
16										0	0	0
17										0	0	0
18										0	6.4	0
19										0	9.0	0
20										0	9.0	0
21										7.0	9.0	0
22										9.0	9.0	0
23										9.0	9.0	0
24										9.0	9.0	0
25										9.0	9.0	0
26										9.0	9.0	0
27										9.0	9.0	0
28										9.0	9.0	0
29					-----					9.0	3.9	0
30					-----					9.0	0	0
31		-----			-----		-----		-----	9.0	0	-----
TOTAL										97.0	148.7	0
MEAN										3.13	4.80	0
MAX										9.0	9.0	0
MIN										0	0	0
AC-FT										192	295	0
CAL YEAR 1998	MAX	9.0	MIN	0	AC-FT	669						
WTR YEAR 1999	MAX	9.0	MIN	0	AC-FT	487						

PLATTE RIVER BASIN (LOUP RIVER)

MIDDLE LOUP CANAL NO. 2 from Middle Loup River, 00091000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	25	16	48	37
2								0	20	16	49	37
3								0	15	15	46	33
4								0	15	14	44	30
5								0	14	14	46	32
6								0	15	12	45	29
7								0	14	9.6	38	25
8								0	13	14	28	25
9								0	11	15	30	24
10								0	9.7	18	38	23
11								0	10	22	22	23
12								0	11	32	14	23
13								0	11	39	20	22
14								0	10	38	13	20
15								0	11	36	18	8.9
16								0	10	32	43	0
17								0	9.7	21	44	0
18								0	9.6	25	52	0
19								22	10	31	53	0
20								29	10	48	51	0
21								28	9.6	55	51	0
22								28	9.5	51	52	0
23								27	9.4	46	50	0
24								26	14	47	48	0
25								26	16	49	50	0
26								25	16	49	51	0
27								25	15	47	50	0
28								25	16	46	50	0
29					-----			25	16	45	49	0
30					-----			26	15	47	40	0
31		-----			-----		-----	25	-----	47	36	-----
TOTAL								337	390.5	996.6	1,269	391.9
MEAN								10.9	13.0	32.1	40.9	13.1
MAX								29	25	55	53	37
MIN								0	9.4	9.6	13	0
AC-FT								668	775	1,980	2,520	777
CAL YEAR 1998	MAX	54	MIN	0	AC-FT	7,800						
WTR YEAR 1999	MAX	55	MIN	0	AC-FT	6,710						

**PLATTE RIVER BASIN
(LOUP RIVER)**

MIDDLE LOUP CANAL NO. 3 from Middle Loup River, 00092000 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	34	30	129	91
2								0	33	31	129	92
3								0	34	32	120	93
4								0	34	31	115	97
5								0	34	31	125	97
6								0	34	30	111	95
7								0	34	35	113	89
8								0	34	55	120	86
9								0	34	66	122	86
10								0	35	77	119	84
11								0	35	91	97	87
12								0	36	96	65	89
13								48	35	109	66	91
14								78	34	134	64	80
15								60	34	131	66	33
16								51	34	128	97	0
17								52	33	127	132	0
18								52	32	128	145	0
19								50	32	125	135	0
20								49	32	126	132	0
21								48	31	135	126	0
22								47	30	152	125	0
23								47	30	142	123	0
24								47	29	128	120	0
25								47	29	146	120	0
26								44	30	153	122	0
27								38	31	129	130	0
28								37	30	138	136	0
29					-----			36	30	147	115	0
30					-----			36	30	130	91	0
31		-----			-----		-----	34	-----	129	93	-----
TOTAL								901	977	3,142	3,503	1,290
MEAN								29.1	32.6	101	113	43.0
MAX								78	36	153	145	97
MIN								0	29	30	64	0
AC-FT								1,790	1,940	6,230	6,950	2,560
CAL YEAR 1998	MAX	144	MIN	0	AC-FT	16,120						
WTR YEAR 1999	MAX	153	MIN	0	AC-FT	19,460						

PLATTE RIVER BASIN (LOUP RIVER)

MIDDLE LOUP CANAL NO. 4 from Middle Loup River, 00093000 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	37	30	107	81
2								0	36	31	107	83
3								0	36	32	106	82
4								0	36	32	106	76
5								0	36	34	105	70
6								0	37	36	108	68
7								0	39	39	108	67
8								0	40	49	108	66
9								0	40	63	107	64
10								0	40	70	108	63
11								0	41	77	98	62
12								0	40	96	87	58
13								0	41	104	86	58
14								0	41	105	85	64
15								0	42	103	85	42
16								0	40	101	101	11
17								45	39	104	116	0
18								75	39	102	113	0
19								59	39	102	109	0
20								56	39	104	107	0
21								51	37	109	102	0
22								46	34	111	101	0
23								44	34	111	103	0
24								42	34	108	112	0
25								40	34	114	113	0
26								38	33	112	112	0
27								37	33	109	108	0
28								37	30	108	102	0
29					-----			37	30	108	94	0
30					-----			38	29	108	80	0
31		-----			-----		-----	38	-----	108	80	-----
TOTAL								683	1,106	2,620	3,164	1,015
MEAN								22.0	36.9	84.5	102	33.8
MAX								75	42	114	116	83
MIN								0	29	30	80	0
AC-FT								1,350	2,190	5,200	6,280	2,010
CAL YEAR 1998	MAX	124	MIN	0	AC-FT	14,790						
WTR YEAR 1999	MAX	116	MIN	0	AC-FT	17,030						

PLATTE RIVER BASIN (LOUP RIVER)

FARWELL (SHERMAN FEEDER) CANAL from Middle Loup River, 00047000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	351	144	102	164	292
2							0	352	97	181	164	335
3							0	347	100	219	162	345
4							0	347	101	224	162	346
5							0	359	98	283	162	346
6							0	350	93	359	169	353
7							0	326	152	378	235	353
8							0	325	233	392	325	351
9							0	327	299	411	356	353
10							0	326	332	410	373	350
11							0	320	323	401	373	352
12							0	318	327	374	374	342
13							0	300	328	284	369	350
14							0	304	299	237	369	342
15							0	316	271	194	368	340
16							0	323	260	184	321	347
17							0	328	259	234	265	350
18							0	326	257	252	247	351
19							0	319	256	258	231	349
20							0	328	256	265	239	349
21							81	328	255	274	221	348
22							196	323	254	283	212	346
23							279	326	260	297	212	348
24							340	266	267	167	211	352
25							348	224	267	199	209	352
26							345	221	269	214	212	353
27							354	213	173	207	212	353
28							350	193	96	168	218	352
29					-----		349	193	101	160	242	353
30					-----		347	208	99	161	273	353
31		-----			-----		-----	209	-----	164	271	-----
TOTAL							2,989	9,296	6,526	7,936	7,921	10,406
MEAN							99.6	300	218	256	256	347
MAX							354	359	332	411	374	353
MIN							0	193	93	102	162	292
AC-FT							5,930	18,440	12,940	15,740	15,710	20,640
CAL YEAR 1998	MAX	434	MIN	0	AC-FT	87,320						
WTR YEAR 1999	MAX	411	MIN	0	AC-FT	89,400						

PLATTE RIVER BASIN (LOUP RIVER)

MIDDLE LOUP CANAL NO. 4 from Sherman Feeder Canal, 00093200 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										0	0	
2										0	0	
3										0	0	
4										0	0	
5										0	0	
6										0	0	
7										0	0	
8										0	0	
9										0	0	
10										0	0	
11										0	0	
12										0	0	
13										0	0	
14										6.6	0	
15										10	0	
16										7.6	0	
17										5.4	0	
18										5.7	0	
19										5.7	0	
20										5.7	0	
21										5.6	0	
22										2.4	0	
23										1.2	0	
24										6.7	4.0	
25										8.1	7.6	
26										7.9	3.5	
27										3.4	0	
28										0	0	
29					----					0	0	
30					----					0	0	
31		----			----		----		----	0	0	----
TOTAL										82.0	15.1	
MEAN										2.65	.49	
MAX										10	7.6	
MIN										0	0	
AC-FT										163	30	
CAL YEAR 1998	MAX	15	MIN	0	AC-FT	237						
WTR YEAR 1999	MAX	10	MIN	0	AC-FT	193						

PLATTE RIVER BASIN (LOUP RIVER)

MUD CREEK near Sweetwater, 06783500 - 1999

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, approximately 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.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,020 cubic feet per second June 10, gage height 14.83 feet; minimum daily discharge 14 cubic feet per second August 28.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	26	28	26E	33E	33	34	37	383	307	24	23
2	20	28	28	26E	33E	33	32	37	134	144	23	24
3	21	29	28	25E	31E	32	31	54	59	114	23	19
4	22	29	28	26E	30E	31	33	56	54	86	27	19
5	23	29	28	27E	31	30	37	94	49	71	26	20
6	23	28	28	27E	31	31	47	62	62	62	24	21
7	23	29	27	26E	31	30	44	55	104	55	25	26
8	23	28	27	25E	30	30	44	60	57	51	26	22
9	22	29	22E	27E	30	32	43	45	45	51	27	19
10	20	31	21E	29E	30	32	38	41	489	47	27	19
11	21	31	23E	32E	30	32	37	42	853	46	27	18
12	21	31	23E	31E	30	32	35	39	359	45	28	18
13	21	33	21E	30E	28E	32	34	37	142	46	28	18
14	20	31	22E	32E	26E	32	41	38	100	41	38	19
15	22	30	23E	34E	27E	32	58	66	118	40	32	18
16	23	30	25E	34E	29E	32	52	40	268	41	26	18
17	23	30	24E	36E	30	32	59	44	187	43	21	18
18	25	30	25E	36E	29	31	49	41	241	43	25	18
19	29	29	26E	35E	29	31	42	38	125	44	22	18
20	27	29	25E	35E	29	31	41	37	85	38	19	19
21	27	29	24E	36E	29	31	55	48	75	36	19	19
22	24	29	24E	35E	27E	32	53	46	66	34	20	19
23	24	29	23E	34E	26E	32	44	68	202	31	23	19
24	24	29	24E	31E	27	33	42	113	102	32	22	18
25	24	28	25E	30E	39	32	40	219	63	33	19	18
26	24	29	27E	32E	34	32	42	179	59	33	16	19
27	25	28	29E	31E	33	32	41	67	76	35	16	19
28	26	28	30E	29E	33	33	39	128	191	41	14	18
29	28	28	32E	29E	-----	33	41	52	573	29	18	18
30	27	29	31E	32E	-----	33	39	46	704	27	20	19
31	27	-----	28E	35E	-----	35	-----	47	-----	24	21	-----
TOTAL	724	876	799	953	845	989	1,267	1,976	6,025	1,770	726	580
MEAN	23.4	29.2	25.8	30.7	30.2	31.9	42.2	63.7	201	57.1	23.4	19.3
MAX	29	33	32	36	39	35	59	219	853	307	38	26
MIN	15	26	21	25	26	30	31	37	45	24	14	18
AC-FT	1,440	1,740	1,580	1,890	1,680	1,960	2,510	3,920	11,950	3,510	1,440	1,150
CAL YEAR 1998 TOTAL		14,287	MEAN	39.1	MAX	839	MIN	15	AC-FT	28,340		
WTR YEAR 1999 TOTAL		17,530	MEAN	48.0	MAX	853	MIN	14	AC-FT	34,770		

E indicates estimated discharge.

PLATTE RIVER BASIN (LOUP RIVER)

SHERMAN RESERVOIR storage in acre-feet - 1999

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55,920	54,430	53,700	52,480	51,530	50,820	49,880	53,940	68,500	69,650	54,670	41,540
2	55,920	54,430	53,550	52,480	51,530	50,820	49,650	54,670	68,790	69,360	53,940	41,130
3	55,920	54,430	53,550	52,480	51,530	50,580	49,650	55,420	68,790	69,080	52,970	40,930
4	55,670	54,430	53,550	52,240	51,290	50,580	49,650	55,920	68,790	69,080	52,240	40,930
5	55,670	54,430	53,550	52,240	51,290	50,580	49,650	56,580	69,080	68,790	51,530	40,720
6	55,670	54,430	53,550	52,240	51,290	50,580	49,880	57,430	69,080	68,790	50,820	40,930
7	55,670	54,430	53,550	52,240	51,290	50,580	49,880	57,690	69,080	69,080	50,110	40,930
8	55,420	54,430	53,550	52,240	51,290	50,580	49,880	58,200	68,790	69,360	49,880	40,720
9	55,420	54,430	53,550	52,240	51,290	50,580	49,650	58,720	68,790	69,360	49,880	40,720
10	55,420	54,430	53,210	52,240	51,290	50,580	49,650	59,240	68,790	69,360	49,880	40,930
11	55,420	54,180	53,210	52,000	51,290	50,580	49,650	59,750	69,080	69,360	49,650	41,540
12	55,420	54,180	53,210	52,000	51,290	50,350	49,650	60,010	69,360	69,360	50,110	42,170
13	55,170	54,180	53,210	52,000	51,290	50,350	49,650	60,540	69,360	69,080	50,580	42,590
14	55,170	54,180	53,210	52,000	51,060	50,350	49,650	60,810	69,360	68,500	50,820	43,010
15	55,170	54,180	53,210	52,000	51,060	50,350	49,880	61,340	69,360	67,650	51,060	43,640
16	55,170	54,180	53,210	52,000	51,060	50,350	49,650	61,870	69,940	68,810	51,530	44,290
17	55,170	54,180	52,970	52,000	51,060	50,350	49,650	62,400	69,650	65,970	51,530	44,940
18	54,920	54,180	52,970	52,000	50,820	50,110	49,650	62,670	69,650	64,860	51,060	45,580
19	54,920	53,940	52,970	51,770	50,820	50,110	49,650	63,220	69,650	64,310	50,580	46,030
20	54,920	53,940	52,970	51,770	50,820	50,110	49,650	63,760	69,650	64,040	50,110	46,480
21	54,920	53,940	52,720	51,770	50,820	50,110	49,650	64,310	69,650	64,040	49,650	47,140
22	54,670	53,940	52,720	51,770	50,820	50,110	49,650	64,860	69,650	63,760	48,960	47,810
23	54,670	53,940	52,720	51,770	50,820	50,110	49,650	65,680	69,650	63,760	48,270	48,270
24	54,670	53,700	52,720	51,770	50,820	50,110	50,110	65,960	69,650	63,220	47,310	48,960
25	54,670	53,700	52,720	51,770	50,820	49,880	50,820	66,250	69,650	62,140	46,780	49,650
26	54,670	53,700	52,480	51,770	50,820	49,880	51,290	68,530	69,650	61,340	45,370	50,110
27	54,670	53,700	52,480	51,770	50,820	49,880	51,770	68,810	70,520	60,780	44,290	50,580
28	54,670	53,700	52,480	51,530	50,820	49,880	52,480	67,090	70,520	58,980	43,420	51,060
29	54,670	53,700	52,480	51,530	-----	49,880	52,970	67,370	69,940	57,940	42,800	51,530
30	54,430	53,700	52,480	51,530	-----	49,880	53,550	67,650	69,650	56,680	42,170	52,000
31	54,430	-----	52,480	51,530	-----	49,880	-----	67,930	-----	55,670	41,850	-----
MAX	55,920	54,430	53,700	52,480	51,530	50,820	53,550	68,810	70,520	69,650	54,670	52,000
MIN	54,430	53,700	52,480	51,530	50,820	49,880	49,650	53,940	68,500	55,670	41,850	40,720
CHANGE	-860	-730	-1,220	-950	-710	-940	3,670	14,380	1,720	-13,980	-13,820	10,150
CAL YEAR 1998			MEAN	56,042	MAX	69,700	MIN	47,100				
WTR YEAR 1999			MEAN	54,762	MAX	70,520	MIN	40,720				

PLATTE RIVER BASIN (LOUP RIVER)

FARWELL "MAIN" CANAL from Sherman Reservoir, 00048000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	126	382	197
2									0	120	369	194
3									0	115	342	206
4									0	115	339	200
5									0	115	339	197
6									0	115	335	200
7									68	121	213	190
8									104	136	172	187
9									104	163	180	172
10									104	224	272	43
11									104	242	123	0
12									104	306	69	0
13									104	352	68	0
14									104	403	69	0
15									117	436	69	0
16									124	438	117	0
17									124	410	258	0
18									124	398	294	0
19									124	232	322	0
20									124	153	373	0
21									130	147	391	0
22									133	173	391	0
23									133	269	417	0
24									133	392	435	0
25									133	417	422	0
26									133	472	417	0
27									133	504	375	0
28									133	490	295	0
29					-----				130	464	273	0
30					-----				127	439	245	0
31		-----			-----		-----		-----	392	214	-----
TOTAL									2,851	8,879	8,580	1,786
MEAN									95.0	286	277	59.5
MAX									133	504	435	206
MIN									0	115	68	0
AC-FT									5,650	17,610	17,020	3,540
CAL YEAR 1998	MAX	457	MIN	0	AC-FT	39,380						
WTR YEAR 1999	MAX	504	MIN	0	AC-FT	43,830						

PLATTE RIVER BASIN (LOUP RIVER)

FARWELL "SOUTH" CANAL from Sherman Reservoir, 00049000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	56	206	167
2									0	55	211	149
3									0	55	200	129
4									0	55	203	104
5									0	55	203	97
6									0	55	200	91
7									40	55	135	89
8									60	61	116	95
9									60	63	117	88
10									60	89	130	21
11									60	98	66	0
12									61	123	40	0
13									61	162	40	0
14									60	193	41	0
15									59	209	42	0
16									59	211	71	0
17									63	209	133	0
18									65	206	158	0
19									65	125	132	0
20									65	100	128	0
21									65	110	128	0
22									65	141	128	0
23									65	185	170	0
24									65	214	217	0
25									65	220	247	0
26									65	240	253	0
27									65	256	246	0
28									65	263	232	0
29					-----				65	260	224	0
30					-----				59	243	214	0
31		-----			-----		-----		-----	214	183	-----
TOTAL									1,482	4,581	4,814	1,030
MEAN									49.4	148	155	34.3
MAX									65	263	253	167
MIN									0	55	40	0
AC-FT									2,940	9,090	9,550	2,040
CAL YEAR 1998	MAX	282	MIN	0	AC-FT	21,240						
WTR YEAR 1999	MAX	263	MIN	0	AC-FT	23,620						

PLATTE RIVER BASIN (LOUP RIVER)

TURKEY CREEK near Dannebrog, 06784800 - 1999

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 585 cubic feet per second June 2, gage height 12.86 feet, minimum daily discharge 6.6 cubic feet per second estimated December 10.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	10	9.3	9.4E	11	13	12	18	385	59	38	34
2	12	16	9.8	10 E	11	13	11	19	280	28	39	26
3	11	30	9.3	9.6E	11	13	11	26	55	23	39	22
4	9.8	19	9.3	9.0E	12	12	11	76	31	22	34	23
5	12	14	9.3	9.0E	12	12	22	262	25	21	33	22
6	11	12	9.0	9.2E	12	12	53	55	22	21	47	20
7	9.2	13	8.4	9.2E	11	12	23	32	20	22	52	23
8	8.3	17	6.8E	9.0E	11	12	19	27	19	22	37	21
9	8.1	20	6.8E	9.4E	11	13	18	24	18	25	32	26
10	7.9	35	6.6E	9.0E	11	13	16	24	20	27	29	24
11	8.5	22	6.8E	8.8E	12	13	16	23	72	33	78	19
12	8.0	21	6.8E	9.0E	11	12	15	21	79	34	44	19
13	7.8	18	7.0E	9.2E	11	12	14	20	23	34	22	18
14	7.6	17	7.0E	9.4E	11	12	79	19	20	28	19	14
15	7.9	16	7.2E	10	12	12	109	44	22	28	20	11
16	8.5	15	7.2E	11	11	11	37	27	118	40	18	9.4
17	9.0	14	7.0E	12	11	11	28	27	37	36	20	11
18	9.1	14	7.2E	12	11	11	25	24	25	118	35	8.3
19	8.5	13	7.4E	11	11	10	23	19	24	69	41	8.1
20	8.2	13	8.0E	11	11	10	21	83	22	38	40	8.5
21	8.1	13	8.6E	12	11	10	24	75	20	31	45	8.3
22	7.9	13	9.0E	13	12	11	85	28	20	25	45	8.2
23	7.8	13	9.0E	11	12	12	28	162	21	28	44	8.3
24	8.8	12	9.4E	11	12	11	23	38	57	33	46	7.9
25	9.3	11	9.0E	11	12	11	23	23	101	41	46	7.5
26	15	11	8.4E	11	14	11	26	23	25	51	53	8.1
27	12	11	7.8E	11	14	11	24	19	44	49	51	8.7
28	12	11	8.2E	11	13	11	21	61	147	50	44	8.3
29	12	10	8.4E	10	-----	11	20	23	26	55	41	8.3
30	12	10	9.0E	10	-----	10	19	19	27	49	48	8.3
31	10	-----	10 E	11	-----	12	-----	36	-----	44	37	-----
TOTAL	294.1	464	253.0	318.2	325	360	856	1,377	1,805	1,184	1,217	449.2
MEAN	9.49	15.5	8.16	10.3	11.6	11.6	28.5	44.4	60.2	38.2	39.3	15.0
MAX	15	35	10	13	14	13	109	262	385	118	78	34
MIN	6.8	10	6.6	8.8	11	10	11	18	18	21	18	7.5
AC-FT	583	920	502	631	645	714	1,700	2,730	3,580	2,350	2,410	891
CAL YEAR 1998 TOTAL		7,841.9	MEAN	21.5	MAX	403	MIN	6.3	AC-FT	15,550		
WTR YEAR 1999 TOTAL		8,902.5	MEAN	24.4	MAX	385	MIN	6.6	AC-FT	17,660		

E indicates estimated discharge.

PLATTE RIVER BASIN (LOUP RIVER)

TAYLOR-ORD CANAL from North Loup River, 00107000 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	0	56	210	180
2								0	0	57	207	170
3								0	0	57	204	160
4								0	64	56	204	146
5								19	48	58	205	122
6								7.6	53	68	196	103
7								0	53	69	171	101
8								0	54	87	149	101
9								0	54	106	142	86
10								59	55	112	138	86
11								78	51	123	132	92
12								26	7.0	145	126	88
13								35	0	170	128	87
14								37	0	179	128	86
15								38	15	206	131	86
16								37	52	210	144	81
17								38	53	211	176	26
18								40	53	211	189	0
19								40	54	213	190	0
20								40	54	212	192	0
21								46	54	208	193	0
22								52	54	206	194	0
23								37	54	210	195	0
24								0	55	213	194	0
25								0	54	209	194	0
26								0	56	209	191	0
27								0	56	204	192	0
28								0	54	208	192	0
29					-----			0	56	207	195	0
30					-----			0	56	205	186	0
31		-----			-----		-----	0	-----	207	178	-----
TOTAL								629.6	1,269.0	4,892	5,466	1,801
MEAN								20.3	42.3	158	176	60.0
MAX								78	64	213	210	180
MIN								0	0	56	126	0
AC-FT								1,250	2,520	9,700	10,840	3,570
CAL YEAR 1998	MAX		MIN	0	AC-FT	31,060						
WTR YEAR 1999	MAX		MIN	0	AC-FT	27,880						

PLATTE RIVER BASIN (LOUP RIVER)

TAYLOR-ORD CANAL inlet to Mirdan Canal, 00107100 - 1999

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

GAGE.--Continuous stage recorder and modified Parshall flume

PERIOD OF RECORD.--1989 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	0	41	129	110
2								0	0	40	135	114
3								0	0	41	126	103
4								0	0	40	127	106
5								0	21	40	126	89
6								0	31	49	131	90
7								0	34	51	132	74
8								0	35	58	114	76
9								0	33	73	102	74
10								0	40	80	99	69
11								35	37	81	98	68
12								24	24	88	99	69
13								11	1.3	100	100	68
14								17	0	99	102	69
15								20	0	107	99	71
16								21	0	115	100	67
17								20	29	117	98	52
18								20	36	120	111	7.0
19								19	37	117	109	0
20								21	36	120	108	0
21								19	35	120	114	0
22								31	35	115	117	0
23								34	36	113	118	0
24								8.2	35	115	118	0
25								0	35	116	116	0
26								0	37	119	114	0
27								0	41	119	113	0
28								0	39	119	114	0
29					-----			0	38	124	117	0
30					-----			0	40	122	118	0
31		-----			-----		-----	0	-----	122	112	-----
TOTAL								300.2	765.3	2,881	3,516	1,376.0
MEAN								9.68	25.5	92.9	113	45.9
MAX								35	41	124	135	114
MIN								0	0	40	98	0
AC-FT								595	1,520	5,710	6,970	2,730
CAL YEAR 1998	MAX	140	MIN	0	AC-FT	20,240						
WTR YEAR 1999	MAX	135	MIN	0	AC-FT	17,530						

PLATTE RIVER BASIN (LOUP RIVER)

TAYLOR-ORD CANAL outlet from Mirdan Canal, 00107200 - 1999

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

GAGE.--Continuous stage recorder and modified Parshall flume

PERIOD OF RECORD.--1989 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	0	36	77	71
2								0	0	38	81	72
3								7.0	0	38	83	70
4								15	9.0	37	83	73
5								15	25	35	82	77
6								14	25	38	85	81
7								14	31	44	86	76
8								15	32	49	87	71
9								15	34	54	85	71
10								16	35	62	86	67
11								47	33	65	88	64
12								42	32	65	86	64
13								16	32	67	86	63
14								14	34	69	86	66
15								17	33	65	84	66
16								17	33	69	75	66
17								18	31	73	63	63
18								18	33	77	64	29
19								17	34	76	65	0
20								19	34	74	65	0
21								17	33	75	67	0
22								23	32	79	71	0
23								29	33	78	73	0
24								13	32	77	78	0
25								0	33	76	82	0
26								0	33	74	79	0
27								0	35	75	75	0
28								0	34	73	73	0
29					-----			0	34	75	75	0
30					-----			0	34	76	78	0
31		-----			-----		-----	0	-----	75	75	-----
TOTAL								418.0	853.0	1,964	2,423	1,210
MEAN								13.5	28.4	63.4	78.2	40.3
MAX								47	35	79	88	81
MIN								0	0	35	63	0
AC-FT								829	1,690	3,900	4,810	2,400
CAL YEAR 1998	MAX	90	MIN	0	AC-FT	15,250						
WTR YEAR 1999	MAX	88	MIN	0	AC-FT	13,620						

**PLATTE RIVER BASIN
(LOUP RIVER)**

KENT CANAL from North Loup River, 00076500 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	129	0			
2							0	178	0			
3							0	217	0			
4							0	242	29			
5							0	237	78			
6							0	248	99			
7							0	252	101			
8							0	267	83			
9							0	239	0			
10							0	148	0			
11							0	159	0			
12							0	162	0			
13							0	162	0			
14							0	164	0			
15							0	165	0			
16							0	165	0			
17							0	165	0			
18							0	163	0			
19							0	165	0			
20							0	150	0			
21							0	146	0			
22							14	156	0			
23							21	133	0			
24							22	39	0			
25							22	0	0			
26							22	0	0			
27							22	0	0			
28							40	0	0			
29					-----		46	0	0			
30					-----		84	0	0			
31		-----			-----		-----	0	-----			-----
TOTAL							293	4,251	390			
MEAN							9.77	137	13.0			
MAX							84	267	101			
MIN							0	0	0			
AC-FT							581	8,430	774			
CAL YEAR 1998	MAX	328	MIN	0	AC-FT	38,080						
WTR YEAR 1999	MAX	267	MIN	0	AC-FT	9,790						

PLATTE RIVER BASIN (LOUP RIVER)

CALAMUS RIVER near Harrop, 06787000 - 1999

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 5.34 feet March 29, 1987 due to backwater from ice; minimum daily discharge 90 cubic feet per second January 7, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharge 659 cubic feet per second May 7, gage height 4.07 feet; minimum daily discharge 213 cubic feet per second July 14.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	221	338E	318	245	297	466	353	381	322	294	235	274
2	244	342E	312	231	303	501	327	393	319	285	242	267
3	266	350E	311	228	304	460	317	413	311	279	248	264
4	294	358E	318	235	304	415	320	431	308	271	243	313
5	342	367E	322	264	324	390	379	571	297	258	238	362
6	314	377	317	255	329	373	446	556	281	248	354	359
7	305	404	302	242	340	359	489	637	266	240	372	307
8	298	414	295	244	348	336	563	639	256	236	337	283
9	290	431	303	274	359	339	542	560	249	236	306	269
10	285	458	300	260	358	359	493	462	301	233	287	264
11	277	437	309	271	354	348	490	413	358	228	298	274
12	268	445	298	272	319	352	511	388	318	232	290	281
13	268	443	303	260	318	344	533	367	296	226	275	267
14	268	449	312	273	330	360	508	376	287	213	266	260
15	275	453	317	293	328	370	452	372	331	218	266	259
16	301	434	317	301	326	386	407	370	399	225	265	255
17	402	420	310	315	303	383	383	363	357	236	260	259
18	374	406	314	291	327	350	371	338	331	239	266	260
19	373	367	312	296	319	333	361	330	313	247	263	261
20	371	349	290E	311	304	318	350	327	300	434	261	255
21	363	343	260E	311	319	311	351	321	300	402	266	254
22	332	337	270E	313	327	336	353	344	289	331	269	252
23	321	328	290E	312	298	356	356	430	287	293	265	248
24	316	326	350E	317	304	384	350	445	287	269	258	257
25	308	321	330E	291	314	397	357	443	326	255	256	247
26	312E	319	282	285	349	409	382	388	362	248	253	246
27	315E	322	306	282	391	383	394	345	359	245	250	246
28	318E	325	318	289	429	406	408	328	336	242	250	246
29	323E	320	245	295	-----	390	421	312	317	236	301	243
30	328E	315	236	295	-----	377	407	303	301	235	296	239
31	333E	-----	235	296	-----	364	-----	304	-----	235	284	-----
TOTAL	9,605	11,298	9,302	8,647	9,225	11,655	12,374	12,650	9,364	8,069	8,520	8,071
MEAN	310	377	300	279	329	376	412	408	312	260	275	269
MAX	402	458	350	317	429	501	563	639	399	434	372	362
MIN	221	315	235	228	297	311	317	303	249	213	235	239
AC-FT	19,050	22,410	18,450	17,150	18,300	23,120	24,540	25,090	18,570	16,000	16,900	16,010
CAL YEAR 1998 TOTAL		115,259	MEAN	316	MAX	827	MIN	210	AC-FT	228,600		
WTR YEAR 1999 TOTAL		118,780	MEAN	325	MAX	639	MIN	213	AC-FT	235,600		

E indicates estimated discharge.

PLATTE RIVER BASIN (LOUP RIVER)

CALAMUS RESERVOIR from Calamus River, 06787300 - 1999

LOCATION.--NE1/4SW1/4 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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85,910	105,900	117,400	118,200	117,500	117,700	125,100	127,700	128,100	116,200	90,030	64,610
2	86,340	106,400	117,600	118,200	117,500	118,400	125,100	127,600	127,970	115,600	89,020	63,610
3	86,780	107,400	117,600	117,600	117,500	118,300	125,300	127,900	128,100	114,800	87,690	62,400
4	87,570	108,200	117,600	117,600	117,500	118,600	125,400	127,900	128,300	114,100	87,260	62,240
5	88,380	108,800	118,100	117,500	117,500	118,800	125,600	129,500	128,400	113,100	86,700	61,170
6	88,980	109,400	117,700	117,800	117,500	118,800	126,800	129,500	127,900	112,600	85,870	60,140
7	89,710	110,300	117,600	117,700	117,500	118,200	127,000	128,400	127,700	112,100	86,220	59,450
8	90,280	110,800	117,600	117,900	117,500	118,700	127,300	127,800	127,300	111,200	85,870	58,530
9	90,970	111,900	117,600	117,900	117,600	118,900	127,500	127,600	126,800	110,900	85,480	57,470
10	91,550	112,500	117,600	118,100	117,500	119,000	127,000	127,400	126,400	110,100	84,960	56,300
11	92,250	114,100	117,500	118,000	117,500	118,800	127,500	127,100	126,300	109,400	84,380	55,630
12	92,660	115,000	117,600	118,100	117,500	118,900	127,600	126,900	125,900	108,500	83,760	54,900
13	93,210	116,000	117,600	117,800	117,600	118,900	127,800	127,400	125,400	108,000	83,440	54,100
14	93,920	117,000	117,600	117,900	117,200	119,000	127,400	127,700	124,800	106,800	82,320	53,380
15	94,460	117,200	117,600	117,800	117,400	118,900	127,700	128,100	124,100	105,700	81,330	52,940
16	95,010	117,500	117,600	117,800	117,300	119,100	127,400	127,900	124,400	105,100	80,830	52,700
17	96,410	117,500	117,700	117,700	117,300	119,400	127,200	128,000	123,500	104,100	79,730	52,560
18	96,920	117,600	117,700	117,700	117,600	119,300	127,100	127,900	122,900	103,000	78,640	52,410
19	97,650	117,400	117,700	117,700	117,500	119,600	127,400	127,600	122,500	102,200	77,490	52,560
20	98,260	117,300	117,600	117,700	117,600	119,600	127,800	127,900	121,900	102,000	76,420	52,260
21	98,990	117,400	117,700	117,700	117,600	120,200	127,700	127,900	121,400	101,500	75,320	52,180
22	99,640	117,500	117,300	117,600	117,400	121,000	127,600	127,700	121,100	100,600	74,330	52,180
23	100,100	117,600	117,600	117,500	118,100	121,200	127,600	128,600	120,800	99,600	73,470	52,180
24	100,900	117,400	117,600	117,500	117,800	121,600	127,700	128,800	120,000	98,600	72,250	52,180
25	101,400	117,500	117,800	117,600	117,700	122,100	127,600	128,000	119,700	97,350	71,190	52,150
26	102,100	117,400	117,900	117,600	117,500	122,300	127,800	128,000	119,000	96,410	70,000	52,150
27	102,700	117,500	118,100	117,600	117,700	122,600	128,000	127,900	119,300	95,260	68,090	51,970
28	103,300	117,300	118,100	117,600	117,700	123,600	127,900	128,000	118,500	94,420	68,090	52,000
29	104,100	117,200	118,400	117,600	-----	123,700	127,800	128,000	117,700	93,290	67,130	51,880
30	104,600	117,400	118,200	117,600	-----	124,000	127,800	127,900	117,100	92,540	66,490	51,830
31	105,200	-----	118,300	117,500	-----	124,700	-----	128,000	-----	91,180	65,510	-----
MAX	105,200	117,600	118,400	118,200	118,100	124,700	128,000	129,500	128,400	116,200	90,030	64,610
MIN	85,910	105,900	117,300	117,500	117,200	117,700	125,100	126,900	117,100	91,180	65,510	51,830
CHANGE	18,980	12,200	900	-800	200	7,000	3,100	200	-10,900	-25,920	-25,670	-13,680
CAL YEAR 1998			MEAN	115,148	MAX	129,800	MIN	85,910				
WTR YEAR 1999			MEAN	108,376	MAX	129,500	MIN	51,830				

PLATTE RIVER BASIN (LOUP RIVER)

MIRDAN CANAL from Calamus Reservoir, 00100500 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	29	325	557	458
2								0	24	327	527	459
3								0	33	335	443	450
4								0	71	341	404	404
5								0	101	330	444	381
6								0	102	326	394	372
7								0	153	328	338	369
8								0	246	328	324	356
9								52	323	326	337	374
10								139	296	339	412	375
11								138	298	342	364	351
12								114	321	388	325	345
13								106	341	482	381	251
14								105	358	502	413	161
15								105	351	514	415	38
16								104	348	521	454	0
17								114	349	514	543	0
18								141	340	505	581	0
19								162	324	504	549	0
20								164	322	501	525	0
21								132	320	528	504	0
22								116	318	544	493	0
23								98	328	555	487	0
24								98	340	569	510	0
25								32	335	571	505	0
26								0	329	565	527	0
27								0	323	565	536	0
28								0	315	591	470	0
29					-----			0	312	595	452	0
30					-----			0	321	601	434	0
31		-----			-----		-----	17	-----	576	465	-----
TOTAL								1,937	7,971	14,338	14,113	5,144
MEAN								62.5	266	463	455	171
MAX								164	358	601	581	459
MIN								0	24	325	324	0
AC-FT								3,840	15,810	28,440	27,990	10,200
CAL YEAR 1998	MAX	421	MIN	0	AC-FT	42,570						
WTR YEAR 1999	MAX	601	MIN	0	AC-FT	86,290						

PLATTE RIVER BASIN (LOUP RIVER)

CALAMUS FISH HATCHERY INLET from Calamus Reservoir, 00019800 - 1999

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

GAGE.--Flow meter

PERIOD OF RECORD.--1994 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	3.0	3.0	3.2	3.3	3.3	10	12	6.4	4.6	4.3	10
2	5.1	2.9	3.0	3.3	3.3	3.3	9.9	11	6.3	4.7	4.3	9.6
3	5.1	2.9	2.9	3.3	3.3	3.2	10	11	6.0	4.8	4.3	9.6
4	4.5	3.0	2.9	3.3	3.3	3.3	10	11	5.7	4.6	4.3	9.4
5	3.8	2.9	3.0	3.3	3.3	3.3	10	7.8	5.8	4.9	4.3	9.4
6	4.5	3.0	2.9	3.3	3.3	3.3	10	7.4	5.1	5.5	4.3	9.7
7	4.3	3.0	2.9	3.3	3.3	3.3	10	7.2	3.8	5.7	4.3	11
8	4.0	2.9	2.9	3.3	3.3	3.3	10	7.2	3.8	6.4	4.3	9.7
9	14	3.0	3.0	3.4	3.3	3.3	9.9	7.0	3.9	6.2	4.3	8.6
10	12	3.0	3.0	3.3	3.3	3.3	8.9	7.4	6.8	7.3	4.3	8.0
11	11	3.0	2.9	3.3	3.3	3.3	9.6	8.3	9.1	6.9	4.3	7.8
12	5.6	3.0	2.9	3.3	3.3	3.3	9.9	14	8.4	3.5	4.3	8.5
13	3.5	3.0	2.9	3.3	3.3	3.3	9.7	6.4	8.0	7.6	4.3	11
14	4.3	3.0	2.9	3.3	3.4	3.4	9.6	6.0	6.7	7.2	4.3	13
15	4.3	3.0	2.9	3.2	3.3	3.3	9.7	5.6	6.2	7.1	4.3	15
16	3.3	2.9	2.9	3.3	3.3	3.4	9.6	5.5	6.2	7.0	4.3	13
17	3.3E	2.9	2.9	3.2	3.3	3.3	8.1	9.7	5.9	6.9	4.3	16
18	3.3E	2.8	3.0	3.3	3.4	3.3	5.8	8.1	5.2	7.0	4.3	17
19	3.3E	2.9	2.9	3.3	3.4	3.4	7.2	7.3	7.7	7.0	4.3	18
20	3.3E	3.0	2.9	3.3	3.3	0	11	7.8	9.6	6.5	4.3	13
21	3.0E	2.9	2.9	3.3	3.2	0	13	7.0	8.0	5.4	4.3	11
22	3.0E	2.9	2.9	3.3	3.3	0	12	7.7	12	5.6	4.3	9.8
23	3.0E	2.9	3.0	3.2	3.3	0	12	3.1	7.3	5.7	4.3	9.0
24	3.0E	2.9	3.3	3.3	3.3	1.5	14	4.6	3.9	6.5	12	12
25	3.0	2.9	3.4	3.3	3.3	1.5	15	6.1	4.0	6.3	12	18
26	3.0	2.9	3.3	3.3	3.3	1.5	14	5.4	4.1	5.4	12	19
27	3.0	3.0	3.3	3.3	3.3	3.0	12	5.8	4.2	5.8	12	18
28	2.9	2.9	3.3	3.3	3.3	3.7	11	5.8	4.2	4.3	12	16
29	3.0	3.0	3.3	3.4	-----	2.9	11	5.8	3.9	6.7	12	16
30	2.9	3.0	3.3	3.3	-----	6.5	11	6.0	4.3	6.2	12	16
31	3.0	-----	3.3	3.3	-----	8.9	-----	6.3	-----	6.2	11	-----
TOTAL	140.5	88.4	93.9	102.1	92.6	92.4	313.9	231.3	182.5	185.5	193.9	372.1
MEAN	4.53	2.95	3.03	3.29	3.31	2.98	10.5	7.46	6.08	5.98	6.25	12.4
MAX	14	3.0	3.4	3.4	3.4	8.9	15	14	12	7.6	12	19
MIN	2.9	2.8	2.9	3.2	3.2	0	5.8	3.1	3.8	3.5	4.3	7.8
AC-FT	279	175	186	203	184	183	623	459	362	368	385	738
CAL YEAR 1998 TOTAL		1,578.8	MEAN	4.33	MAX	15	MIN	2.0	AC-FT	3,130		
WTR YEAR 1999 TOTAL		2,089.1	MEAN	5.72	MAX	19	MIN	0	AC-FT	4,140		

E indicates estimated discharge.

PLATTE RIVER BASIN (LOUP RIVER)

INLET TO DAVIS CREEK RESERVOIR from Mirdan Canal, 00088500 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								54	0	229	167	203
2								127	0	229	167	198
3								143	0	229	117	190
4								178	0	229	33	206
5								207	41	229	50	220
6								223	160	229	83	221
7								225	171	229	106	217
8								222	215	229	114	218
9								217	221	229	115	212
10								209	229	229	70	209
11								240	234	228	94	213
12								249	228	222	130	222
13								250	224	210	180	167
14								241	223	197	188	89
15								239	225	191	184	49
16								241	227	185	175	37
17								243	225	188	169	50
18								243	222	189	155	46
19								240	224	193	167	42
20								245	227	196	165	29
21								247	226	181	170	23
22								247	225	156	180	21
23								251	225	150	174	20
24								182	228	155	174	20
25								106	227	162	171	18
26								44	226	171	165	15
27								0	235	171	165	10
28								0	233	163	174	1.0
29					-----			0	231	158	198	0
30					-----			0	229	155	207	0
31		-----			-----		-----	0	-----	152	209	-----
TOTAL								5,313	5,581	6,063	4,616	3,166.0
MEAN								171	186	196	149	106
MAX								251	235	229	209	222
MIN								0	0	150	33	0
AC-FT								10,540	11,070	12,030	9,160	6,280
CAL YEAR 1998	MAX	248	MIN	0	AC-FT	38,830						
WTR YEAR 1999	MAX	251	MIN	0	AC-FT	49,070						

PLATTE RIVER BASIN (LOUP RIVER)

DAVIS CREEK RESERVOIR from Calamus Reservoir via Mirdan Canal, 06789400 - 1999

LOCATION.--NW1/4SW1/4 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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6,900	6,940	6,960	6,810	6,690	6,580	6,430	6,810	16,110	23,990	24,360	20,730
2	6,910	6,940	6,950	6,800	6,690	6,570	6,420	6,850	16,030	24,290	24,360	20,770
3	6,910	6,940	6,950	6,800	6,680	6,570	6,440	6,880	16,000	24,590	24,250	20,780
4	6,920	6,940	6,940	6,790	6,680	6,560	6,440	7,340	16,110	24,910	23,890	20,910
5	6,940	6,940	6,940	6,790	6,680	6,550	6,440	7,700	16,180	25,220	23,320	21,200
6	6,940	6,940	6,940	6,790	6,670	6,550	6,470	7,970	16,380	25,470	22,800	21,480
7	6,940	6,970	6,940	6,790	6,670	6,550	6,470	8,250	16,870	25,740	22,510	21,730
8	6,940	6,980	6,930	6,780	6,660	6,550	6,470	8,460	16,680	26,060	22,530	21,870
9	6,850	6,980	6,920	6,780	6,660	6,550	6,470	9,060	16,860	26,250	22,540	22,050
10	6,850	6,980	6,920	6,780	6,650	6,540	6,460	9,680	16,860	26,510	22,420	22,180
11	6,850	6,980	6,910	6,770	6,650	6,530	6,460	10,350	17,120	26,730	22,140	22,460
12	6,850	6,980	6,910	6,770	6,650	6,530	6,460	11,040	17,490	26,910	22,220	22,620
13	6,850	6,980	6,900	6,760	6,640	6,520	6,450	11,290	17,840	27,100	22,600	22,840
14	6,850	6,980	6,890	6,760	6,630	6,520	6,470	11,500	18,180	27,100	22,710	22,960
15	6,850	6,980	6,890	6,750	6,630	6,510	6,480	11,700	18,460	26,990	22,790	22,920
16	6,940	6,980	6,890	6,750	6,610	6,510	6,490	11,900	18,810	26,750	22,910	22,930
17	6,950	6,980	6,880	6,740	6,610	6,500	6,490	12,760	19,130	26,650	22,830	22,980
18	6,950	6,980	6,870	6,740	6,610	6,500	6,480	13,170	19,480	26,730	22,660	23,010
19	6,950	6,980	6,860	6,730	6,610	6,490	6,480	13,520	19,710	26,780	22,240	23,050
20	6,940	6,980	6,850	6,730	6,610	6,490	6,480	14,100	20,070	26,910	21,860	23,090
21	6,940	6,980	6,840	6,720	6,600	6,480	6,470	14,550	20,460	26,970	21,570	23,090
22	6,940	6,970	6,840	6,720	6,600	6,480	6,460	14,960	20,690	26,890	21,420	23,070
23	6,930	6,970	6,840	6,720	6,600	6,480	6,450	15,380	20,870	26,750	21,280	23,070
24	6,930	6,970	6,840	6,720	6,600	6,470	6,460	15,870	21,470	26,450	21,120	23,060
25	6,940	6,970	6,840	6,720	6,590	6,470	6,460	16,020	21,780	26,240	20,960	23,050
26	6,940	6,970	6,840	6,720	6,590	6,460	6,470	16,220	22,120	26,110	20,800	23,040
27	6,940	6,960	6,830	6,720	6,590	6,460	6,470	16,160	22,720	25,740	20,650	23,040
28	6,940	6,960	6,830	6,710	6,580	6,450	6,470	16,120	23,060	25,310	20,520	23,010
29	6,940	6,960	6,820	6,710	-----	6,440	6,460	16,070	23,350	25,040	20,550	22,990
30	6,940	6,960	6,820	6,710	-----	6,450	6,460	16,030	23,710	24,740	20,630	22,980
31	6,940	-----	6,820	6,710	-----	6,450	-----	15,980	-----	24,500	20,680	-----
MAX	6,950	6,980	6,960	6,810	6,690	6,580	6,490	16,220	23,710	27,100	24,360	23,090
MIN	6,850	6,940	6,820	6,710	6,580	6,440	6,420	6,810	16,000	23,990	20,520	20,730
CHANGE	60	20.0	-140	-110	-130	-130	10.0	9,520	7,730	790	-3,820	2,300
CAL YEAR 1998			MEAN	12,895	MAX	31,500	MIN	6,010				
WTR YEAR 1999			MEAN	12,436	MAX	27,100	MIN	6,420				

PLATTE RIVER BASIN (LOUP RIVER)

FULLERTON CANAL from Davis Creek Reservoir, 00054700 - 1999

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1992 to present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	38	159	156
2									0	38	193	157
3									0	38	231	125
4									0	38	262	74
5									0	43	278	83
6									0	47	265	79
7									68	59	124	79
8									98	63	92	87
9									99	69	139	91
10									99	71	188	91
11									57	71	110	91
12									38	71	63	91
13									38	141	64	70
14									38	191	64	61
15									38	221	65	19
16									38	229	155	0
17									39	154	223	0
18									38	131	290	0
19									39	105	346	0
20									39	125	319	0
21									39	162	242	0
22									39	179	224	0
23									36	217	224	0
24									37	233	229	0
25									36	233	231	0
26									37	302	216	0
27									37	323	210	0
28									37	321	171	0
29					-----				38	291	156	0
30					-----				38	257	156	0
31		-----			-----		-----		-----	180	156	-----
TOTAL									1,140	4,641	5,845	1,354
MEAN									38.0	150	189	45.1
MAX									99	323	346	157
MIN									0	38	63	0
AC-FT									2,260	9,210	11,590	2,690
CAL YEAR 1998	MAX	367	MIN	0	AC-FT	31,610						
WTR YEAR 1999	MAX	346	MIN	0	AC-FT	25,750						

PLATTE RIVER BASIN (LOUP RIVER)

CALAMUS RIVER near Burwell, 06787500 - 1999

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 2,253.48 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, except estimated records are fair.

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 1,000 cubic feet per second May 5, gage height 3.83 feet; minimum daily discharge 63 cubic feet per second October 14 and November 12.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	269	66	362	390	361	434	279	453	330	413	270	377
2	183	67	363	386	365	434	278	431	324	418	269	382
3	117	67	364	319	362	432	276	476	323	417	265	378
4	89	66	365	288	361	431	277	586	324	420	265	431
5	74	66	363	290	364	429	291	930	327	401	266	451
6	73	66	377	315	364	428	368	933	336	351	269	457
7	70	67	383	334	366	430	406	858	336	319	262	452
8	68	68	385	338	366	429	561	707	331	325	282	443
9	76	70	384	339	396	428	667	710	321	322	300	458
10	80	73	385	367	403	422	595	561	329	329	300	419
11	75	64	370	375	429	415	529	400	330	335	299	389
12	67	63	358	376	443	408	510	260	321	338	296	399
13	64	64	357	377	375	406	600	209	324	342	275	414
14	63	211	355	375	341	407	626	240	322	338	303	422
15	64	340	359	378	336	410	607	306	325	342	345	426
16	70	434	357	382	336	412	523	327	322	345	340	422
17	69	450	359	383	337	370	435	339	319	350	337	413
18	68	449	358	379	361	283	385	328	316	352	334	407
19	67	425	330	381	374	257	369	299	316	359	328	403
20	66	397	310	383	374	255	396	290	319	360	319	377
21	65	391	306	385	379	236	411	289	316	540	322	363
22	64	394	315E	387	377	198	412	338	318	554	328	363
23	65	404	315E	366	400	256	415	481	318	446	327	356
24	67	418	320E	346	418	255	414	467	324	313	329	360
25	65	414	320E	343	426	260	409	454	325	291	334	371
26	65	416	312E	341	407	264	407	449	325	287	327	373
27	65	419	320E	350	416	267	436	394	376	284	316	375
28	67	418	337	363	431	274	449	362	421	287	318	376
29	66	397	359	365	-----	270	452	359	424	287	330	369
30	65	365	379	364	-----	269	454	364	414	280	353	337
31	64	-----	380	365	-----	274	-----	342	-----	275	356	-----
TOTAL	2,490	7,609	10,907	11,130	10,668	10,743	13,237	13,942	10,056	11,020	9,564	11,963
MEAN	80.3	254	352	359	381	347	441	450	335	355	309	399
MAX	269	450	385	390	443	434	667	933	424	554	356	458
MIN	63	63	306	288	336	198	276	209	316	275	262	337
AC-FT	4,940	15,090	21,630	22,080	21,160	21,310	26,260	27,650	19,950	21,860	18,970	23,730
CAL YEAR 1998	TOTAL	121,329	MEAN	332	MAX	642	MIN	63	AC-FT	240,700		
WTR YEAR 1999	TOTAL	123,329	MEAN	338	MAX	933	MIN	63	AC-FT	244,600		

E indicates estimated discharge.

PLATTE RIVER BASIN (LOUP RIVER)

BURWELL-SUMTER CANAL from North Loup River, 00108000 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	36	30	115	96
2								0	34	29	115	93
3								43	33	30	113	83
4								52	34	30	111	71
5								23	32	32	112	70
6								24	34	38	107	65
7								26	33	41	95	68
8								28	32	45	92	59
9								22	33	45	89	53
10								11	28	55	89	54
11								33	26	71	92	57
12								24	23	92	90	56
13								30	23	98	88	56
14								32	24	100	85	52
15								33	27	104	85	36
16								31	29	103	95	2.6
17								31	27	105	105	0
18								33	28	112	103	0
19								35	28	107	102	0
20								37	28	106	105	0
21								37	30	102	104	0
22								35	33	93	102	0
23								36	33	106	99	0
24								33	34	106	99	0
25								32	33	112	101	0
26								32	32	115	103	0
27								34	33	113	103	0
28								34	31	114	101	0
29					-----			36	30	115	104	0
30					-----			36	30	115	104	0
31		-----			-----		-----	36	-----	114	96	-----
TOTAL								929	911	2,578	3,104	971.6
MEAN								30.0	30.4	83.2	100	32.4
MAX								52	36	115	115	96
MIN								0	23	29	85	0
AC-FT								1,840	1,810	5,110	6,160	1,930
CAL YEAR 1998 MAX		115	MIN	0	AC-FT	16,880						
WTR YEAR 1999 MAX		115	MIN	0	AC-FT	16,850						

PLATTE RIVER BASIN (LOUP RIVER)

NORTH LOUP RIVER at Ord, 06788500, - 1999

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 3,010 cubic feet per second May 5, gage height 4.73 feet; maximum gage height 5.37 feet December 25 due to backwater from ice; minimum daily discharge 332 cubic feet per second December 22.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	938	970	1,190	1,100E	923	1,510	1,030	1,100	1,190	1,170	503	736
2	869	991	1,200	1,000E	888	1,480	1,010	1,020	1,130	1,150	550	731
3	848	1,110	1,200	920E	881	1,410	1,010	1,060	1,060	1,110	582	774
4	878	1,120	1,210	840E	865	1,480	945	1,050	1,340	1,120	564	1,090
5	926	1,020	1,240	800E	806	1,480	1,190	2,380	871	1,080	562	1,470
6	846	983	1,240	900E	953	1,430	1,300	1,950	797	975	864	1,400
7	818	1,080	1,180	1,100E	1,090	1,430	1,340	1,520	749	817	947	1,270
8	697	1,070	1,160	1,000E	1,190	1,410	1,420	1,320	789	778	927	1,150
9	685	1,140	1,160	960E	1,160	1,300	1,510	1,190	804	727	985	1,120
10	730	1,210	1,140	1,060E	1,100	1,290	1,490	1,420	1,220	677	872	1,090
11	724	970	1,180	1,140E	1,080	1,160	1,340	1,070	1,590	667	929	989
12	717	914	1,190	1,200E	1,180	1,240	1,390	945	1,150	638	922	968
13	689	1,010	1,180	1,250E	1,120	1,090	1,440	629	1,090	558	815	1,020
14	722	1,160	1,200	1,200E	1,020	1,120	1,680	591	1,090	510	759	1,000
15	787	1,440	1,140	1,160E	1,080	1,240	1,500	799	1,220	481	800	1,060
16	848	1,510	1,090	1,100E	1,070	1,380	1,160	997	1,420	477	779	1,100
17	1,150	1,550	1,010	1,040E	1,120	1,360	985	943	1,170	511	629	1,030
18	975	1,590	1,080	1,000E	1,200	1,170	922	907	998	619	643	1,110
19	847	1,460	1,090	1,040E	1,330	974	889	804	940	569	663	1,050
20	831	1,430	820	1,000E	1,180	937	918	798	891	591	642	1,050
21	845	1,450	506	980E	1,330	911	971	850	884	1,040	630	994
22	837	1,450	332	960E	1,390	899	1,070	860	868	1,390	644	1,000
23	817	1,400	420E	900E	1,380	1,090	1,130	1,510	905	945	664	946
24	834	1,440	600E	880E	1,420	1,120	1,220	1,410	1,010	856	651	953
25	870	1,460	860E	900E	1,470	1,180	1,290	1,320	1,050	744	686	969
26	903	1,440	960E	980E	1,490	1,200	1,360	1,290	1,080	720	702	982
27	907	1,400	1,000E	1,000E	1,520	1,150	1,460	1,260	1,340	786	692	981
28	915	1,350	1,080E	980E	1,510	1,220	1,470	1,070	1,480	691	683	970
29	966	1,240	1,160E	1,030	-----	1,210	1,350	1,070	1,240	622	704	933
30	1,010	1,230	1,200E	892	-----	1,100	1,290	1,060	1,140	606	831	883
31	1,060	-----	1,250E	846	-----	1,020	-----	1,080	-----	551	829	-----
TOTAL	26,489	37,588	32,268	31,158	32,746	37,991	37,080	35,273	32,506	24,176	22,653	30,819
MEAN	854	1,253	1,041	1,005	1,170	1,226	1,236	1,138	1,084	780	731	1,027
MAX	1,150	1,590	1,250	1,250	1,520	1,510	1,680	2,380	1,590	1,390	985	1,470
MIN	685	914	332	800	806	899	889	591	749	477	503	731
AC-FT	52,540	74,560	64,000	61,800	64,950	75,360	73,550	69,960	64,480	47,950	44,930	61,130
CAL YEAR 1998 TOTAL		377,547	MEAN	1,034	MAX	1,660	MIN	332	AC-FT	748,900		
WTR YEAR 1999 TOTAL		380,747	MEAN	1,043	MAX	2,380	MIN	332	AC-FT	755,200		

E indicates estimated discharge.

PLATTE RIVER BASIN (LOUP RIVER)

ORD-NORTH LOUP CANAL from North Loup River, 00109000 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	21	21	120	82
2								0	19	23	124	83
3								37	19	23	122	83
4								28	20	24	115	83
5								14	20	23	119	77
6								13	20	23	126	69
7								12	20	25	125	63
8								13	20	29	122	62
9								13	20	32	113	65
10								14	20	37	102	65
11								13	19	47	97	58
12								14	18	58	86	53
13								13	17	61	94	53
14								14	17	72	96	49
15								16	18	96	100	47
16								15	18	100	99	43
17								14	17	16	105	21
18								15	17	0	115	0
19								15	17	0	117	0
20								18	16	0	115	0
21								18	16	0	117	0
22								16	15	0	116	0
23								15	16	0	103	0
24								16	16	26	102	0
25								14	15	98	106	0
26								15	17	120	101	0
27								16	22	125	102	0
28								19	19	119	103	0
29					-----			20	19	121	105	0
30					-----			19	21	125	100	0
31		-----			-----		-----	20	-----	121	93	-----
TOTAL								479	549	1,565	3,360	1,056
MEAN								15.5	18.3	50.5	108	35.2
MAX								37	22	125	126	83
MIN								0	15	0	86	0
AC-FT								950	1,090	3,100	6,660	2,090
CAL YEAR 1998	MAX	125	MIN	0	AC-FT	14,920						
WTR YEAR 1999	MAX	126	MIN	0	AC-FT	13,900						

PLATTE RIVER BASIN (LOUP RIVER)

MIRA CREEK near North Loup, 06788898 - 1999

LOCATION.--NW1/4SE1/4 Sec. 7-18-13 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.--Undetermined

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 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 at times in 1980-81.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,930 cubic feet per second June 27, gage height 8.61 feet; minimum daily discharge 1.3 cubic feet per second September 26-30.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	1.9	2.5	2.8	3.4	4.3	4.5	6.5	299	26	8.5	7.0
2	2.5	2.0	2.5	6.3	3.1	4.7	4.5	6.7	35	20	9.4	6.2
3	2.5	2.9	2.4	3.9	3.2	4.2	4.7	15	24	16	10	5.8
4	2.4	3.1	2.3	2.7	3.0	4.1	4.3	15	15	12	10	7.1
5	2.4	2.6	2.3	2.4	3.2	3.9	8.3	33	11	10	10	7.8
6	2.3	2.6	2.3	2.5	2.7	3.9	20	16	8.9	8.8	12	8.1
7	2.0	2.6	2.5	2.7	2.8	3.9	11	11	8.0	8.5	14	7.8
8	2.0	2.8	2.6	2.8	2.8	4.4	9.5	9.0	7.0	8.1	13	7.3
9	1.8	2.9	2.5	2.8	2.8	5.7	9.1	7.8	6.6	8.0	12	6.0
10	1.7	5.5	2.5	2.6	2.9	4.1	8.2	7.3	8.9	19	11	4.6
11	1.7	3.8	2.5	2.7	3.1	3.7	8.0	7.0	18	13	14	4.5
12	1.7	3.8	2.5	3.0	3.4	3.8	7.3	6.5	20	10	15	4.5
13	1.7	3.5	2.5	3.3	3.1	3.7	7.8	6.3	18	7.9	11	4.4
14	1.7	3.6	2.4	3.0	3.1	4.1	22	5.9	14	7.1	8.8	4.3
15	1.7	3.4	2.6	3.1	3.2	4.5	28	5.5	25	6.7	7.8	4.3
16	1.6	3.2	3.2	3.2	3.0	5.1	22	6.5	35	6.7	7.4	4.8
17	1.6	3.1	2.3	3.2	3.4	4.9	15	7.2	28	7.0	7.6	4.4
18	1.6	3.1	2.7	3.4	3.5	4.0	12	5.5	20	7.6	9.5	3.6
19	1.6	3.1	2.9	4.0	3.4	3.9	9.7	4.8	16	7.5	9.1	3.3
20	1.6	2.9	3.1	3.5	3.4	3.9	9.3	26	13	7.1	9.1	3.1
21	1.7	2.8	2.8	3.5	3.4	3.9	9.2	63	12	6.4	10	2.7
22	1.6	2.7	3.1	3.7	2.1	4.4	8.9	49	10	6.1	9.7	2.4
23	1.6	2.8	2.6	3.1	4.6	4.9	9.4	184	11	6.0	10	2.3
24	1.5	2.8	3.2	3.0	4.4	4.9	8.5	73	25	8.2	11	1.8
25	1.5	2.7	2.9	2.9	4.4	5.0	8.1	29	16	9.0	9.8	1.4
26	1.7	2.5	2.6	2.9	4.5	4.3	7.9	17	12	11	9.0	1.3
27	1.7	2.6	2.5	3.1	4.7	4.1	7.7	12	698	10	8.8	1.3
28	1.7	2.6	2.5	2.9	4.8	5.0	7.6	9.5	257	11	8.3	1.3
29	1.8	2.6	2.7	3.0	-----	4.6	7.2	7.8	65	10	7.4	1.3
30	2.3	2.6	3.7	3.2	-----	4.3	6.6	7.5	32	9.9	8.0	1.3
31	1.9	-----	2.6	3.2	-----	4.7	-----	7.4	-----	9.2	8.6	-----
TOTAL	56.9	89.1	82.3	98.4	95.4	134.9	306.3	667.7	1,768.4	313.8	309.8	126.0
MEAN	1.84	2.97	2.65	3.17	3.41	4.35	10.2	21.5	58.9	10.1	9.99	4.20
MAX	2.5	5.5	3.7	6.3	4.8	5.7	28	184	698	26	15	8.1
MIN	1.5	1.9	2.3	2.4	2.1	3.7	4.3	4.8	6.6	6.0	7.4	1.3
AC-FT	113	177	163	195	189	268	608	1,320	3,510	622	614	250
CAL YEAR 1998	TOTAL	3,566.0	MEAN	9.77	MAX	760	MIN	1.5	AC-FT	7,070		
WTR YEAR 1999	TOTAL	4,049.0	MEAN	11.1	MAX	698	MIN	1.3	AC-FT	8,030		

PLATTE RIVER BASIN (LOUP RIVER)

CEDAR RIVER near Spalding, 06791500 - 1999

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 1,990 cubic feet per second on May 7, gage height 6.05 feet; minimum daily discharge 110 cubic feet per second estimated December 21.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	PEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	145	193	191	130E	176	282	250	254	227	351	156	139
2	155	197	191	120E	178	346	221	257	232	316	153	136
3	169	223	188	130E	184	387	225	270	208	288	154	136
4	199	237	187	140E	183	372	223	293	278	259	149	146
5	211	239	185	150E	188	327	259	523	358	234	147	190
6	199	240	183	140E	189	283	350	642	263	217	166	204
7	188	246	179	130E	193	260	384	1,700	211	202	240	198
8	187	259	176	130E	196	248	436	1,060	191	195	215	185
9	189	274	174	140E	196	246	484	751	179	187	213	171
10	186	290	174	140E	200	234	472	616	190	175	206	165
11	178	297	177	150E	206	224	449	457	244	171	205	161
12	171	369	176	160E	200	232	468	316	303	171	203	158
13	168	321	175	152E	195	234	438	256	339	167	180	155
14	168	318	178	150E	194	237	481	227	328	163	172	153
15	168	332	174	160E	197	238	459	212	299	161	169	149
16	170	332	174	165E	194	248	437	203	319	160	162	148
17	175	313	174	170E	192	263	432	196	341	165	158	146
18	195	278	172	180E	195	249	398	191	352	173	159	145
19	198	264	160E	186	196	236	342	190	339	171	154	146
20	190	248	140E	183	194	224	289	193	301	169	151	147
21	194	236	110E	182	196	214	267	192	278	189	150	146
22	203	229	130E	179	196	215	253	190	254	186	150	145
23	203	221	150E	179	197	225	250	256	254	211	151	144
24	201	216	170E	178	197	231	251	277	273	241	147	147
25	198	209	160E	177	195	234	262	271	332	249	144	148
26	199	206	150E	175	204	264	273	252	366	223	143	147
27	201	203	160E	175	222	252	284	226	424	201	142	148
28	205	200	170E	175	240	262	305	208	424	188	141	148
29	206	198	160E	175	-----	257	299	197	423	173	142	147
30	198	192	140E	175	-----	261	270	189	396	164	146	148
31	193	-----	140E	174	-----	250	-----	184	-----	162	142	-----
TOTAL	5,810	7,580	5,168	4,950	5,493	8,035	10,211	11,249	8,926	6,282	5,110	4,646
MEAN	187	253	167	160	196	259	340	363	298	203	165	155
MAX	211	369	191	186	240	387	484	1,700	424	351	240	204
MIN	145	192	110	120	176	214	221	184	179	160	141	136
AC-FT	11,520	15,030	10,250	9,820	10,900	15,940	20,250	22,310	17,700	12,460	10,140	9,220
CAL YEAR 1998 TOTAL		73,623	MEAN	202	MAX	576	MIN	110	AC-FT	146,000		
WTR YEAR 1999 TOTAL		83,460	MEAN	229	MAX	1,700	MIN	110	AC-FT	165,500		

E indicates estimated discharge.

PLATTE RIVER BASIN (LOUP RIVER)

CEDAR RIVER near Fullerton, 06792000 - 1999

LOCATION.--SE1/4SE1/4 Sec. 33-17-6 W., Nance County, Lat. 41° 23' 45", Long. 98° 00' 15", 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 1,638.39 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 4,940 cubic feet per second June 27, gage height 6.90 feet; minimum daily discharge 130 cubic feet per second estimated December 21.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	221	310	291	210E	240E	353	333	424	799	587	186	174
2	238	303	290	200E	245E	435	463	427	760	489	180	178
3	239	337	286	190E	250E	471	292	525	472	353	170	172
4	272	335	280	195E	245E	540	244	479	427	351	169	195
5	405	343	292	210E	250E	459	334	598	512	314	170	204
6	368	337	285	210E	270E	381	484	870	676	288	202	227
7	303	368	278	200E	282	341	513	2,350	496	268	238	287
8	274	401	273	180E	275	327	640	2,620	359	231	296	290
9	239	424	266	185E	277	345	903	1,380	252	464	367	268
10	281	519	258	185E	257	343	570	917	392	333	310	235
11	235	412	262	200E	268	351	490	645	587	280	307	228
12	275	394	258	210E	266	309	456	425	472	250	313	224
13	247	471	251	225E	266	328	500	351	610	217	265	215
14	213	364	247	230E	265	309	545	292	724	217	241	203
15	245	392	269	230E	256	334	891	343	750	207	228	202
16	227	405	253	235E	253	359	534	451	704	216	215	202
17	276	451	249	240E	253	350	418	355	668	212	198	204
18	241	477	258	250E	253	363	358	321	720	316	193	207
19	252	438	254	260E	266	362	329	314	754	310	174	207
20	278	401	234	250E	266	342	236	754	723	278	168	211
21	274	382	130E	250E	250	312	372	463	615	253	161	210
22	254	358	150E	245E	256	317	587	338	531	228	159	208
23	267	346	175E	240E	268	327	434	406	538	224	158	208
24	293	341	200E	240E	280	337	373	379	533	223	149	211
25	278	304	210E	235E	270	332	364	454	678	273	149	213
26	288	297	235E	235E	267	318	378	422	682	334	151	214
27	297	317	245E	230E	291	368	379	408	4,640	305	141	214
28	277	307	260E	235E	328	372	373	379	3,010	266	140	212
29	304	293	260E	235E	-----	353	398	357	769	238	153	207
30	290	297	220E	230E	-----	372	436	320	653	209	171	206
31	290	-----	215E	235E	-----	343	-----	256	-----	192	168	-----
TOTAL	8,441	11,124	7,634	6,905	7,413	11,153	13,627	19,023	24,506	8,926	6,290	6,436
MEAN	272	371	246	223	265	360	454	614	817	288	203	215
MAX	405	519	292	260	328	540	903	2,620	4,640	587	367	290
MIN	213	293	130	180	240	309	236	256	252	192	140	172
AC-FT	16,740	22,060	15,140	13,700	14,700	22,120	27,030	37,730	48,610	17,700	12,480	12,770
CAL YEAR 1998 TOTAL		115,114	MEAN	315	MAX	1,740	MIN	130	AC-FT	228,300		
WTR YEAR 1999 TOTAL		131,478	MEAN	360	MAX	4,640	MIN	130	AC-FT	260,800		

E indicates estimated discharge.

PLATTE RIVER BASIN (LOUP RIVER)

BEAVER CREEK at Loretto, 06793500 - 1999

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 1,260 cubic feet per second June 4, gage height 6.73 feet; minimum daily discharge 40 cubic feet per second August 25-27.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	74	84	50E	88	303	112	142	206	209	49	47
2	53	73	81	48E	95	272	104	140	279	192	48	46
3	66	93	80	46E	98	234	101	185	198	175	49	46
4	72	115	80	44E	108	187	106	164	560	153	49	46
5	137	110	80	44E	110	164	131	177	860	128	49	49
6	89	105	80	50E	114	149	331	250	698	112	73	52
7	73	105	80	48E	112	137	405	324	248	101	137	50
8	69	110	79	44E	111	131	418	314	145	93	112	47
9	68	120	77	48E	115	129	515	303	116	84	91	47
10	68	162	78	52E	115	126	504	253	125	76	80	47
11	69	167	79	60E	114	123	345	212	177	71	76	47
12	68	160	78	64E	107	124	274	177	227	68	73	48
13	67	166	79	60E	103	128	235	160	203	63	64	46
14	67	167	81	64E	103	141	286	149	186	56	60	44
15	67	164	81	70E	105	163	562	142	186	55	59	44
16	69	149	81	80E	102	182	606	134	313	60	53	44
17	74	135	81	90E	102	167	443	125	376	54	49	44
18	72	128	80	100E	104	143	345	122	283	68	47	44
19	72	120	74E	107E	104	132	265	120	219	71	45	44
20	70	116	54E	100E	103	123	192	118	192	70	46	44
21	69	113	50E	98E	101	115	153	117	172	73	47	46
22	66	110	46E	96E	104	113	155	114	157	70	47	48
23	65	107	48E	94E	95	121	157	123	187	67	46	48
24	64	106	52E	92E	103	155	167	138	193	65	43	48
25	64	101	58E	89	109	175	159	124	155	62	40	46
26	64	96	54E	87	123	157	161	122	137	59	40	45
27	74	92	62E	85	170	138	166	114	158	58	40	45
28	75	89	66E	85	272	129	161	110	322	57	41	47
29	82	87	68E	86	-----	130	157	108	355	56	42	49
30	79	85	60E	88	-----	129	149	104	244	51	48	49
31	76	-----	54E	88	-----	120	-----	102	-----	50	46	-----
TOTAL	2,216	3,525	2,185	2,257	3,190	4,740	7,865	4,987	7,877	2,627	1,789	1,397
MEAN	71.5	118	70.5	72.8	114	153	262	161	263	84.7	57.7	46.6
MAX	137	167	84	107	272	303	606	324	860	209	137	52
MIN	48	73	46	44	88	113	101	102	116	50	40	44
AC-FT	4,400	6,990	4,330	4,480	6,330	9,400	15,600	9,890	15,620	5,210	3,550	2,770

CAL YEAR 1998	TOTAL	44,475	MEAN	122	MAX	2,250	MIN	40	AC-FT	88,220
WTR YEAR 1999	TOTAL	44,655	MEAN	122	MAX	860	MIN	40	AC-FT	88,570

E indicates estimated discharge.

PLATTE RIVER BASIN (ELKHORN RIVER)

ELKHORN RIVER near Atkinson, 06796973 - 1999

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 1.1 cubic feet per second August 31 to September 3, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharge 3,340 cubic feet per second May 5, gage height 8.66 feet; minimum daily discharge 14 cubic feet per second September 2.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	119	124	48E	64	419	152	241	94	68	31	15
2	30	109	119	46E	64	407	134	225	96	70	30	14
3	33	112	117	44E	71	393	126	317	92	69	30	15
4	40	134	110	40E	76	374	125	397	86	64	29	26
5	49	144	107	44E	86	345	144	2,090	83	59	27	29
6	44	146	102	42E	95	307	286	2,540	76	53	28	29
7	41	146	97	44E	102	273	430	1,650	69	51	29	26
8	41	152	91	50E	111	248	574	1,180	64	49	29	23
9	41	174	89	52E	122	232	1,150	929	60	43	29	22
10	40	227	88	48E	129	233	1,480	734	57	38	27	23
11	39	283	85	52E	110E	219	1,430	598	59	37	25	24
12	39	331	85	58E	98E	214	1,330	499	58	37	24	23
13	41	377	86	56E	94E	219	1,110	413	55	36	22	23
14	41	414	86	54E	108	239	903	360	53	33	21	21
15	41	403	83	58E	111	260	755	333	63	32	21	21
16	49	379	82	64E	107	262	640	312	69	128	20	21
17	73	353	82	66E	105	238	535	286	67	70	19	21
18	77	323	83	72E	102	211	440	257	64	57	19	21
19	82	289	60E	70E	103	192	374	233	65	56	18	21
20	78	250	54E	80E	104	174	330	212	65	125	17	21
21	72	236	50E	90	102	157	297	198	69	121	17	22
22	72	220	44E	74	94E	150	277	180	66	85	17	22
23	79	200	46E	74	88E	154	264	167	65	66	17	22
24	80	181	50E	73	90E	163	248	154	62	59	16	23
25	79	168	50E	70E	115	166	236	138	59	50	16	22
26	78	157	52E	72	169	158	252	126	57	46	15	22
27	76	149	54E	67	293	152	276	117	55	42	16	22
28	79	144	56E	62E	389	156	280	106	60	39	15	22
29	127	137	54E	60E	-----	172	268	97	60	37	15	23
30	162	130	54E	63	-----	170	255	92	65	35	15	23
31	139	-----	52E	64	-----	163	-----	89	-----	32	15	-----
TOTAL	1,987	6,587	2,392	1,857	3,302	7,220	15,101	15,270	2,013	1,787	669	662
MEAN	64.1	220	77.2	59.9	118	233	503	493	67.1	57.6	21.6	22.1
MAX	162	414	124	90	389	419	1,480	2,540	96	128	31	29
MIN	25	109	44	40	64	150	125	89	53	32	15	14
AC-FT	3,940	13,070	4,740	3,680	6,550	14,320	29,950	30,290	3,990	3,540	1,330	1,310
CAL YEAR 1998 TOTAL		48,711	MEAN	133	MAX	953	MIN	19	AC-FT	96,620		
WTR YEAR 1999 TOTAL		58,847	MEAN	161	MAX	2,540	MIN	14	AC-FT	116,700		

E indicates estimated discharge.

PLATTE RIVER BASIN (ELKHORN RIVER)

SOUTH FORK ELKHORN RIVER near Ewing, 06798000 - 1999

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 good, 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 3,500 cubic feet per second May 6, gage height 5.58 feet; minimum daily discharge 33 cubic feet per second August 26 & 28.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	54	68	39E	60E	222	107	159	83	93	52E	35
2	44	58	68	37E	61E	214	97	154	81	91	52E	35
3	46	65	64	36E	62E	169	102	171	75	86	51	42
4	56	63	61	35E	62E	134	109	201	72	79	48	67
5	53	62	62	34E	60E	107	124	622	66	73	47	54
6	48	64	62	36E	62E	101	301	2,960	62	68	55	57
7	48	72	59	38E	64E	99	485	2,020	56	63	56	52
8	46	75	58	36E	66E	98	467	980	54	61	53	46
9	44	76E	59	35E	68E	87	427	610	53	58	51	41
10	43	66E	59	37E	80E	87	505	408	82	57	49	39
11	43	66E	59	35E	82E	94	454E	281	86	54	50	38
12	44	80E	58	46E	78E	96	380E	227	75	53	47	37
13	42	117	59	42E	82E	99	274E	199	67	52	44	37
14	41	120	56	40E	80E	95	248E	166	65	51	47	39
15	42	123	56	42E	91	117	390E	131	83	51	46	41
16	46	119	56	39E	87	137	539E	117	86	65	42	40
17	60	110	56	41E	89	130	402	107	85	61	41	40
18	54	93	55	44E	92	112	264	98	87	61	39	40
19	51	85	50E	50E	89	98	194	101	88	57	39	41
20	49	85	46E	60E	89	94	152	100	86	79	40	40
21	48	85	42E	70E	89	86	128	96	83	115	39	39
22	50	80	38E	76E	80E	85	119	96	78	160	39	38
23	51	78	36E	66E	84E	88	121	99	87	144	38	37
24	53	81	34E	70E	90E	87	138	93	78	115	37	36
25	52	80	36E	66E	100	102	157	90	73	90E	35	37
26	53	75	39E	70E	102	116	159	88	71	80E	33	38
27	52	70	44E	68E	112	113	185	82	85	70E	34	39
28	59	70	46E	66E	174	110	217	77	82	60E	33	39
29	63	70	50E	64E	-----	108	210	72	86	58E	35	39
30	55	68	45E	62E	-----	115	178	70	90	56E	35	38
31	54	-----	40E	60E	-----	114	-----	71	-----	54E	35	-----
TOTAL	1,526	2,410	1,621	1,540	2,335	3,514	7,633	10,746	2,305	2,315	1,342	1,241
MEAN	49.2	80.3	52.3	49.7	83.4	113	254	347	76.8	74.7	43.3	41.4
MAX	63	123	68	76	174	222	539	2,960	90	160	56	67
MIN	36	54	34	34	60	85	97	70	53	51	33	35
AC-FT	3,030	4,780	3,220	3,050	4,630	6,970	15,140	21,310	4,570	4,590	2,660	2,460
CAL YEAR 1998 TOTAL		28,395	MEAN	77.8	MAX	354	MIN	30	AC-FT	56,320		
WTR YEAR 1999 TOTAL		38,528	MEAN	106	MAX	2,960	MIN	33	AC-FT	76,420		

E indicates estimated discharge.

PLATTE RIVER BASIN (ELKHORN RIVER)

ELKHORN RIVER at Neligh, 06798500 - 1999

LOCATION.--NE1/4SE1/4 Sec. 20-25-6 W., Antelope County, Lat. 42° 07' 32", Long. 98° 01' 44", on right bank 30 feet downstream from bridge on old State Highway 14 at Neligh.

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

GAGE.--Continuous stage recorder. Gage datum is 1,714.00 feet above sea level.

PERIOD OF RECORD.--1930 - 1958, 1960 - 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 19,300 cubic feet per second May 30, 1995, gage height 13.37 feet; minimum daily discharge 12 cubic feet per second July 1, 1932.

EXTREMES FOR CURRENT YEAR.--Peak discharge 8,980 cubic feet per second May 7, gage height 10.79 feet; minimum daily discharge 106 cubic feet per second September 3.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	401	496	200E	400E	1,290	728	788	479	492	204	109
2	148	380	483	190E	416	1,300	680	729	510	470	189	108
3	203	424	481	180E	431	1,160	647	727	472	437	176	106
4	293	427	468	170E	488	997	643	843	454	396	168	147
5	425	429	467	170E	494	833	745	1,710	427	361	163	197
6	324	449	444	190E	485	766	1,680	3,860	380	330	181	189
7	288	485	433	180E	481	644	2,610	7,420	328	297	206	176
8	255	493	410	180E	480	570	3,090	7,570	312	272	190	163
9	228	557	406	180E	484	531	2,920	4,860	292	252	181	153
10	223	756	394	196E	486	517	2,990	3,440	417	226	172	146
11	217	657	384	190E	502	545	3,240	2,610	622	203	171	144
12	207	829	395	220E	447	573	3,050	2,020	614	186	165	141
13	192	911	398	210E	433	591	2,750	1,550	509	187	155	136
14	191	1,020	400	200E	415	700E	2,750	1,340	417	179	145	134
15	198	1,040	395	210E	437	800E	3,250	1,120	487	173	138	132
16	213	1,010	395	240E	425	900E	3,390	970	520E	232	135	130
17	265	935	372	300E	423	1,010	2,690	884	560E	304	136	126
18	296	862	376	340E	439	862	1,960	745	600E	331	133	125
19	314	748	348	380E	433	763	1,560	647	637	307	132	120
20	340	690	203	430E	437	717	1,290	608	784	416	131	125
21	332	652	190E	410E	435	659	1,170	552	736	1,210	129	131
22	309	615	180E	390E	423	652	1,090	500	696	999	125	133
23	286	599	170E	370E	389	650	1,020	505	588	808	124	131
24	275	535	170E	350E	412	664	915	478	549	622	121	131
25	273	529	190E	380E	450	717	907	443	482	487	116	129
26	269	509	200E	410E	501	763	928	413	425	405	115	130
27	271	494	200E	390E	673	740	976	400	530	334	117	133
28	295	497	220E	380E	1,020	760	1,020	415	588	291	119	134
29	363	491	230E	390E	-----	762	971	412	517	270	119	133
30	379	490	220E	400E	-----	769	894	397	500	249	121	133
31	380	-----	205E	390E	-----	761	-----	412	-----	223	117	-----
TOTAL	8,368	18,914	10,323	8,816	13,339	23,966	52,554	49,368	15,432	11,949	4,594	4,125
MEAN	270	630	333	284	476	773	1,752	1,593	514	385	148	138
MAX	425	1,040	496	430	1,020	1,300	3,390	7,570	784	1,210	206	197
MIN	116	380	170	170	389	517	643	397	292	173	115	106
AC-FT	16,600	37,520	20,480	17,490	26,460	47,540	104,200	97,920	30,610	23,700	9,110	8,180
CAL YEAR 1998	TOTAL	204,625	MEAN	561	MAX	2,540	MIN	95	AC-FT	405,900		
WTR YEAR 1999	TOTAL	221,748	MEAN	608	MAX	7,570	MIN	106	AC-FT	439,800		

E indicates estimated discharge.

PLATTE RIVER BASIN (ELKHORN RIVER)

WILLOW CREEK near Foster, 06799080 - 1999

LOCATION.--Nw1/4NE1/4 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 are records 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 329 cubic feet per second April 16, gage height 8.07 feet; minimum daily discharge 8.9 cubic feet per second September 8 - 10.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	22	22	11 E	21	88	21	34	40	195	12	9.3
2	17	22	22	10 E	21	76	20	34	51	136	12	9.3
3	19	26	21	10 E	23	61	20	44	50	68	12	9.1
4	34	26	21	9.8E	24	52	20	44	50	46	12	9.6
5	48	27	21E	9.8E	28	45	42	50	47	34	12	9.8
6	37	30	20E	10 E	30	40	116	60	38	28	14	9.5
7	37	30	18E	14 E	31	36	133	69	30	24	16	9.0
8	33	32	19E	14 E	34	34	149	68	26	21	14	8.9
9	28	34	19E	12 E	33	31	110	59	23	19	14	8.9
10	25	38	19E	14 E	32	31	97	49	28	17	13	8.9
11	23	63	20E	16 E	31	30	79	46	47	16	12	9.3
12	21	103	21	14 E	27	31	61	49	54	16	12	9.6
13	21	111	21	14 E	26E	33	50	47	45	16	11	9.3
14	21	112	21	15 E	25	36	94	40	36	15	12	9.2
15	20	104	21	16 E	26	42	206	36	51	14	11	9.4
16	20	88	21	16 E	27	54	306	34	87	18	11	9.4
17	20	67	20	17 E	27	71	235	32	88	16	10	9.4
18	20	56	19	16 E	27	54	132	30	82	18	10	9.5
19	19	46	12E	16 E	26	41	70	29	72	17	9.7	9.4
20	19	39	12E	15 E	25	35	51	28	58	21	10	9.5
21	20	35	11E	16 E	25	31	42	27	44	18	10	9.6
22	19	33	10E	18 E	23E	29	44	26	36	16	10	9.7
23	19	30	10E	18 E	21E	30	43	31	34	23	9.7	9.6
24	19	28	10E	16 E	25E	30	40	31	30	31	9.6	9.7
25	19	27	10E	14 E	27	29	38	30	27	19	9.3	9.7
26	19	25	11E	14 E	36	27	39	29	25	17	9.2	9.5
27	20	24	11E	16 E	56	26	41	27	93	16	9.2	9.8
28	21	23	11E	18 E	83	25	41	25	146	15	9.1	9.9
29	21	23	12E	20 E	-----	24	40	24	158	14	9.1	10
30	21	22	11E	20 E	-----	23	37	23	193	13	9.6	9.9
31	21	-----	11E	20 E	-----	22	-----	24	-----	13	9.2	-----
TOTAL	716	1,346	508	459.6	840	1,217	2,417	1,179	1,789	950	343.7	283.7
MEAN	23.1	44.9	16.4	14.8	30.0	39.3	80.6	38.0	59.6	30.6	11.1	9.46
MAX	48	112	22	20	83	88	306	69	193	195	16	10
MIN	15	22	10	9.8	21	22	20	23	23	13	9.1	8.9
AC-FT	1,420	2,670	1,010	912	1,670	2,410	4,790	2,340	3,550	1,880	682	563
CAL YEAR 1998	TOTAL	10,605.8	MEAN	29.1	MAX	217	MIN	9.9	AC-FT	21,040		
WTR YEAR 1999	TOTAL	12,049.0	MEAN	33.0	MAX	306	MIN	8.9	AC-FT	23,900		

E indicates estimated discharge.

PLATTE RIVER BASIN (ELKHORN RIVER)

WILLOW CREEK RESERVOIR from Willow Creek, 00410300 - 1999

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6,690	7,130	7,350	7,110	7,180	7,560	7,250	7,510	7,300	8,190	6,870	6,310
2	6,780	7,140	7,280	7,120	7,200	7,580	7,240	7,480	7,390	8,240	6,850	6,240
3	6,790	7,170	7,270	7,130	7,200	7,600	7,220	7,530	7,420	8,140	6,820	6,200
4	6,960	7,180	7,260	7,130	7,210	7,590	7,220	7,540	7,470	8,000	6,800	6,150
5	7,040	7,180	7,230	7,110	7,210	7,550	7,380	7,540	7,490	7,850	6,790	6,130
6	7,090	7,200	7,210	7,110	7,230	7,510	7,630	7,560	7,460	7,740	6,810	6,110
7	7,120	7,220	7,200	7,100	7,280	7,470	7,770	7,600	7,420	7,650	6,840	6,070
8	7,140	7,250	7,190	7,110	7,280	7,470	7,880	7,630	7,360	7,550	6,830	6,030
9	7,150	7,370	7,190	7,110	7,320	7,430	7,930	7,630	7,320	7,440	6,820	6,000
10	7,150	7,390	7,180	7,110	7,320	7,420	7,950	7,630	7,350	7,370	6,820	6,000
11	7,140	7,410	7,170	7,130	7,320	7,390	7,890	7,610	7,400	7,300	6,810	5,970
12	7,130	7,530	7,180	7,110	7,260	7,370	7,850	7,590	7,440	7,250	6,790	5,940
13	7,120	7,710	7,160	7,100	7,290	7,360	7,780	7,570	7,440	7,060	6,770	5,910
14	7,130	7,820	7,180	7,110	7,300	7,380	7,940	7,540	7,430	6,920	6,750	5,880
15	7,120	7,920	7,170	7,130	7,270	7,410	8,260	7,510	7,510	6,890	6,740	5,880
16	7,130	7,900	7,160	7,130	7,250	7,450	8,480	7,470	7,660	6,910	6,710	5,870
17	7,110	7,880	7,180	7,130	7,260	7,470	8,630	7,440	7,710	6,900	6,700	5,860
18	7,110	7,780	7,160	7,130	7,280	7,480	8,530	7,410	7,740	6,940	6,680	5,850
19	7,100	7,730	7,120	7,140	7,270	7,480	8,340	7,360	7,740	6,970	6,650	5,820
20	7,100	7,680	7,110	7,150	7,270	7,410	8,150	7,350	7,740	6,990	6,620	5,810
21	7,100	7,620	7,110	7,170	7,260	7,430	8,010	7,330	7,700	7,010	6,600	5,790
22	7,100	7,570	7,110	7,170	7,260	7,420	7,890	7,340	7,640	7,010	6,590	5,790
23	7,090	7,510	7,100	7,180	7,240	7,400	7,790	7,320	7,620	7,010	6,540	5,790
24	7,100	7,490	7,100	7,170	7,260	7,370	7,770	7,300	7,590	7,040	6,510	5,800
25	7,100	7,430	7,110	7,180	7,260	7,370	7,740	7,280	7,520	7,030	6,480	5,800
26	7,120	7,410	7,110	7,180	7,280	7,350	7,670	7,280	7,470	7,010	6,460	5,770
27	7,130	7,390	7,110	7,180	7,350	7,350	7,630	7,260	7,660	7,020	6,430	5,770
28	7,150	7,360	7,130	7,180	7,450	7,320	7,610	7,250	7,850	6,990	6,400	5,760
29	7,150	7,350	7,110	7,180	-----	7,330	7,570	7,210	7,960	6,980	6,360	5,770
30	7,130	7,320	7,120	7,180	-----	7,320	7,540	7,190	8,060	6,940	6,340	5,760
31	7,130	-----	7,100	7,170	-----	7,300	-----	7,160	-----	6,910	6,300	-----
MAX	7,150	7,920	7,350	7,180	7,450	7,600	8,630	7,630	8,060	8,240	6,870	6,310
MIN	6,690	7,130	7,100	7,100	7,180	7,300	7,220	7,160	7,300	6,890	6,300	5,760
CHANGE	353	189	-221	70	280	-152	243	-385	903	-1,160	-608	-541
CAL YEAR 1998			MEAN	7,231	MAX	8,620	MIN	6,690				
WTR YEAR 1999			MEAN	7,184	MAX	8,630	MIN	5,760				

PLATTE RIVER BASIN (ELKHORN RIVER)

WILLOW CREEK near Pierce, 00232500 - 1999

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.--21 square miles.

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

PERIOD OF RECORD.--1983 - present

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

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 464 cubic feet per second March 26, 1987, gage height 6.87 feet; minimum
daily discharge 2.0 cubic feet per second, August 29, 31 and September 1, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharge 280 cubic feet per second April 18, gage height 5.60 feet; minimum daily
discharge 2.6 cubic feet per second, September 2.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	19	41	18	28	58	34	57	35	147	6.2	3.3
2	5.3	19	40	20	29	65	32	54	42	158	6.7	2.6
3	5.0	21	38	19	29	69	32	55	47	153	6.4	2.8
4	5.4	23	37	18E	30	67	31	57	51	126	3.8	3.1
5	13	23	36	19E	30	63	34	60	55	103	4.0	3.4
6	15	25	34	19E	32	60	56	56	55	84	3.5	3.7
7	16	27	33	18E	34	56	77	64	50	69	4.0	3.7
8	18	29	33	19	36	53	99	67	45	60	4.9	3.7
9	19	33	31	18E	37	51	116	68	41	51	6.8	3.9
10	19	47	30	18E	39	47	121	69	42	42	6.6	3.8
11	20	40	30	20E	40	45	119	70	43	36	6.4	4.0
12	19	47	29	19E	36	43	110	67	46	32	6.6	4.4
13	18	66	29	18E	35	42	102	64	48	124	5.9	4.6
14	18	88	29	19E	35	42	109	61	48	96	5.2	4.8
15	17	105	28	18	35	43	162	58	51	15	4.7	4.9
16	18	111	29	18	34	45	222	54	68	13	4.5	4.7
17	18	107	29	19	33	50	270	52	79	13	4.2	4.8
18	18	101	28	19	34	54	273	48	84	14	3.9	5.1
19	17	91	26	19	35	54	234	44	86	15	3.4	5.3
20	17	80	24	20	35	51	186	42	85	17	3.3	5.3
21	17	73	24	21	35	48	151	40	80	18	3.3	5.3E
22	17	67	23	23	35	47	127	39	73	18	3.1	5.4E
23	16	60	23	23	34	46	109	41	69	17	3.0	5.5
24	17	55	22	24	34	44	96	39	64	18	3.0	5.6
25	16	51	21	24	34	42	86	38	57	16	2.9	5.6
26	17	48	19	24	34	42	79	37	52	13	2.8	5.6
27	18	45	20	26	39	41	73	37	56	12	2.9	5.6
28	19	44	20	26	47	39	69	35	85	11	2.9	5.6
29	20	42	20	26	-----	38	65	33	107	10	3.0	5.6
30	19	40	19	26	-----	37	61	31	126	8.7	3.2	5.6
31	19	-----	18	27	-----	36	-----	30	-----	7.6	3.5	-----
TOTAL	495.9	1,627	863	645	968	1,518	3,335	1,567	1,870	1,517.3	134.6	137.3
MEAN	16.0	54.2	27.8	20.8	34.6	49.0	111	50.5	62.3	48.9	4.34	4.58
MAX	20	111	41	27	47	69	273	70	126	158	6.8	5.6
MIN	5.0	19	18	18	28	36	31	30	35	7.6	2.8	2.6
AC-FT	984	3,230	1,710	1,280	1,920	3,010	6,610	3,110	3,710	3,010	267	272
CAL YEAR 1998 TOTAL		13,669.8	MEAN	37.5	MAX	217	MIN	4.0	AC-FT	27,110		
WTR YEAR 1999 TOTAL		14,678.1	MEAN	40.2	MAX	273	MIN	2.6	AC-FT	29,110		

E indicates estimated discharge.

PLATTE RIVER BASIN (ELKHORN RIVER)

UNION CREEK at Madison, 06799230 - 1999

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 generally good.

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 8,290 cubic feet per second June 4, gage height 23.20 feet; minimum daily discharge 10 cubic feet per second September 3.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	26	28	23	26	52	35	41	244	37	25	14
2	22	28	26	23	27	58	35	44	249	37	23	12
3	22	35	26	27	29	52	35	53	53	35	21	10
4	36	42	26	26	32	39	34	50	5,380	33	20	15
5	98	32	26	23	34	38	54	51	1,410	31	21	16
6	40	30	26	22	33	38	113	47	108	28	67	16
7	26	29	28	22	33	36	61	44	75	28	73	16
8	22	31	27	22	33	35	84	40	58	27	40	17
9	20	38	25	22	33	35	138	39	49	37	29	16
10	23	113	25	22	33	37	67	38	937	42	25	15
11	22	93	25	23	31	36	58	45	410	28	24	15
12	21	62	25	24	28	35	49	41	286	26	24	15
13	22	57	26	24	28	34	45	37	57	23	23	15
14	22	62	26	23	29	34	254	35	42	22	22	15
15	21	58	26	23	28	36	571	35	172	23	22	15
16	23	51	25	25	29	37	156	394	392	28	21	15
17	25	42	25	26	28	35	86	464	74	23	17	15
18	23	38	26	27	28	32	66	66	45	549	18	15
19	23	34	24	26	29	32	58	45	40	229	17	15
20	25	32	24	27	29	30	53	42	39	103	17	15
21	24	32	24	27	29	30	54	52	37	50	17	18
22	24	31	22	27	29	33	69	41	37	34	19	17
23	23	31	22	27	30	33	59	40	137	30	19	16
24	25	30	22	26	30	34	51	39	80	29	19	16
25	26	29	22	25	32	34	49	36	37	27	16	16
26	27	28	23	25	35	34	49	34	34	277	13	16
27	27	28	23	24	41	34	50	32	162	350	14	16
28	28	28	24	24	49	35	49	32	168	51	14	16
29	29	28	24	24	-----	34	45	31	49	33	14	17
30	28	30	23	25	-----	33	43	30	38	28	16	17
31	26	-----	23	25	-----	34	-----	31	-----	26	15	-----
TOTAL	839	1,228	767	759	875	1,129	2,570	2,049	10,899	2,324	725	462
MEAN	27.1	40.9	24.7	24.5	31.3	36.4	85.7	66.1	363	75.0	23.4	15.4
MAX	98	113	28	27	49	58	571	464	5,380	549	73	18
MIN	16	26	22	22	26	30	34	30	34	22	13	10
AC-FT	1,660	2,440	1,520	1,510	1,740	2,240	5,100	4,060	21,620	4,610	1,440	916
CAL YEAR 1998	TOTAL	15,357	MEAN	42.1	MAX	1,770	MIN	12	AC-FT	30,460		
WTR YEAR 1999	TOTAL	24,626	MEAN	67.5	MAX	5,380	MIN	10	AC-FT	48,850		

PLATTE RIVER BASIN (ELKHORN RIVER)

PEBBLE CREEK at Scribner, 06799385 - 1999

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 fair, 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 14,700 cubic feet per second August 7, gage height 23.01 feet; minimum daily discharge 39 cubic feet per second October 1.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	52	60	45E	52	93	57	116	2,060	136	65	52
2	46	60	59	43E	57	141	54	112	371	116	63	50
3	57	84	60	42E	71	114	52	131	234	112	68	48
4	60	77	58	40E	84	93	51	128	1,670	97	66	53
5	162	61	58	40E	70	90	59	148	583	90	63	58
6	60	58	57	45E	71	83	100	151	220	83	635	52
7	51E	60	55	43E	62	76	75	129	180	81	6,410	51
8	50E	67	55	43E	64	78	117	116	168	80	371	49
9	50E	71	55	40E	62	74	192	110	153	522	199	47
10	49	933	55	42E	59	77	89	107	335	122	151	46
11	48	230	53	44E	62	74	80	119	1,460	101	133	45
12	47	131	55	50E	42	73	73	105	317	99	130	48
13	48	113	56	48E	40E	77	78	96	194	93	107	44
14	49	106	56	44E	44E	85	665	96	170	86	99	43
15	49	95	56	44E	47E	93	1,090	109	165	83	95	43
16	48	89	55	50E	42E	113	355	111	198	90	93	44
17	48	83	56	60E	40	98	251	201	162	86	82	44
18	45	86	57	58E	40E	79	205	126	143	374	80	44
19	44	78	48	56E	40E	74	179	111	137	209	75	44
20	44	72	50E	54E	41E	72	154	171	129	853	71	43
21	44	72	40E	52E	41E	71	163	182	123	166	70	44
22	43	72	40E	54E	43E	71	722	135	115	134	68	44
23	43	69	46E	52E	45E	75	239	141	749	121	66	45
24	44	66	44E	50E	50E	71	186	130	196	111	62	45
25	45	66	43E	45E	60E	66	170	125	161	103	60	44
26	47	64	43E	41E	71	66	180	122	143	100	59	44
27	72	64	44E	44E	77	65	167	120	1,810	97	57	44
28	82	64	45E	43E	80	66	157	121	286	89	54	44
29	93	65	46E	45E	-----	62	143	122	158	82	52	44
30	58	63	44E	48E	-----	60	127	121	143	79	53	44
31	52	-----	42E	50E	-----	59	-----	248	-----	77	53	-----
TOTAL	1,717	3,271	1,591	1,455	1,557	2,489	6,230	4,060	12,933	4,672	9,710	1,390
MEAN	55.4	109	51.3	46.9	55.6	80.3	208	131	431	151	313	46.3
MAX	162	933	60	60	84	141	1,090	248	2,060	853	6,410	58
MIN	39	52	40	40	40	59	51	96	115	77	52	43
AC-FT	3,410	6,490	3,160	2,890	3,090	4,940	12,360	8,050	25,650	9,270	19,260	2,760

CAL YEAR 1998	TOTAL	45,278	MEAN	124	MAX	6,090	MIN	29	AC-FT	89,810
WTR YEAR 1999	TOTAL	51,075	MEAN	140	MAX	6,410	MIN	39	AC-FT	101,300

E indicates estimated discharge.

PLATTE RIVER BASIN (ELKHORN RIVER)

LOGAN CREEK at Pender, 06799450 - 1999

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 5,080 cubic feet per second June 27, gage height 12.16 feet; minimum daily discharge 123 cubic feet per second September 9.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	156	224	252	150E	210	338	218	378	1,490	660E	216	139
2	166	222	252	155E	221	379	212	367	1,840	600E	208	135
3	186	221	256	160E	271	324	211	392	812	1,050	204	128
4	248	219	252	165E	395	282	215	464	1,540	680	198	128
5	1,090	212	240E	170E	337	275	235	461	858	561	193	131
6	457	205	230E	175E	315	262	492	435	843	514	198	128
7	254	200	220E	180E	297	252	419	413	603	492	274	127
8	219	205	225E	190E	317	245E	362	393	535	486	231	126
9	208	221	225E	200E	315	230E	680	370	496	490	213	123
10	202	898	225E	210E	298	235E	464	365	1,340	451	204	126
11	195	521	231	220E	311	240E	412	563	1,390	433	199	129
12	187	448	232	230E	222	251	352	509E	718	423	204	130
13	184	451	234	210E	239	254	336	480E	608	411	198	129
14	185	471	233	215E	262	258	588	460E	556	394	188	129
15	187	669	232	230E	272	277	1,730	430E	615	379	187	130
16	188	661	226	240E	252	319	1,020	410E	1,660	366	185	131
17	191	539	223	260E	232	310	764	500E	922	357	179	132
18	188	435	222	250E	225E	266	609	386	687	530	175	132
19	182	425	205	250E	220E	248	529	366	632	451	167	133
20	181	361	185	245E	210E	245	484	363	612	467	164	133
21	185	348	160E	240E	190E	242	464	382	591	409	164	135
22	185	353	150E	230E	180E	240	532	364	585	367	162	138
23	183	351	155E	220E	190E	238	501	621	621	338	163	140
24	185	321	160E	215E	200E	239	453	474	581	319	160	139
25	187	314	170E	212	220E	230	437	389	537	303	154	139
26	188	293	165E	212	240E	228	443	363	507	288	151	140
27	221	271	170E	210	280	227	452	350	2,420	272	148	138
28	272	268	180E	204	309	230	434	344	2,490	265	142	139
29	400	275	170E	204	-----	227	420	340	949	247	138	138
30	332	271	160E	210	-----	224	398	336	730	235	166	142
31	237	-----	155E	208	-----	221	-----	376	-----	226	148	-----
TOTAL	7,629	10,873	6,395	6,470	7,230	8,036	14,866	12,844	28,768	13,464	5,681	3,987
MEAN	246	362	206	209	258	259	496	414	959	434	183	133
MAX	1,090	898	256	260	395	379	1,730	621	2,490	1,050	274	142
MIN	156	200	150	150	180	221	211	336	496	226	138	123
AC-FT	15,130	21,570	12,680	12,830	14,340	15,940	29,490	25,480	57,060	26,710	11,270	7,910
CAL YEAR 1998	TOTAL	103,946	MEAN	285	MAX	1,730	MIN	104	AC-FT	206,200		
WTR YEAR 1999	TOTAL	126,243	MEAN	346	MAX	2,490	MIN	123	AC-FT	250,400		

E indicates estimated discharge.

PLATTE RIVER BASIN (SALT CREEK)

OAK CREEK at Lincoln, 00227700 - 1999

LOCATION.--NE1/4NE1/4 Sec. 7-10-6 E., Lancaster County, Lat. 40°51'20", Long. 96°46'46", on right downstream side of bridge, immediately east from intersection of N.W. 42nd Street and Air Park Road in the West Lincoln Park Industrial Area. It can be reached from the intersection of Interstate 80 and N.W. 48th Street by driving north on N.W. 48th Street 2.6 miles. Turn right (east) on Air Park Road and proceed six blocks to station on bridge.

DRAINAGE AREA.--240 square miles.

GAGE.--Continuous stage recorder. Gage datum is 1,142.86 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1987 - present

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

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 8,730 cubic feet per second July 24, 1993, gage height 22.66 feet; minimum daily discharge, 2.6 cubic feet per second July 24, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharge 5,170 cubic feet per second June 30, gage height 15.64 feet; minimum daily discharge 16 cubic feet per second estimated December 23.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	118	44	29E	30	34	40E	48	430E	2,110	54	43
2	101	160	32	29E	30	32	54E	48	360	754	52	40
3	82	143	31	27E	30	32	64E	51	309	570	51	36
4	82	128	30	26E	30	33	74E	56	260	442	60E	48
5	82	117	29	29E	30	31	62	65	236	355	80E	82
6	79	112	28	31E	29	31	50E	61	213	315	145E	57
7	76	115	28	32E	30	31	43	62	191	260	84E	47
8	75	121	27	30E	30	26E	38E	56	174	233	68E	44
9	75	125	27	26E	29	26E	35	49	161	332	62E	40
10	74	200	27	30E	28	28E	38E	46	173	247	62	38
11	73	147	27	34E	26E	30E	36E	163	184	194	117	35
12	72	118	26	36E	25E	33E	36E	116	169	174	145	34
13	72	111	27	33E	24E	33E	34	74	154	159	98	34
14	42	108	27	34E	25E	34	139	60	140	147	81	32
15	29	105	26	35E	29E	35	652	379	130	137	76	30
16	30	104	27	36E	30	42	226	480	134	137	71	29
17	31	102	27	36E	27E	46	136	172	133	194	69	28
18	31	101	27E	37E	27E	39	105	129	122	163	131	28
19	28	99	26E	35E	27E	33	89	98	115	147	81	28
20	108	98	27E	33E	26E	31	80	92	111	134	71	28
21	116	97	27E	31E	24E	29	75	176	108	124	67	29
22	117	95	23E	29E	23E	33	77	193	102	115	62	28
23	116	94	16E	28E	26E	42	72	261	124	108	57	27
24	116	94	21E	26E	30E	43	61	183	129	104	53	27
25	117	91	25E	25E	34	41	60	134	118	96	50	26
26	118	91	26E	26E	35	36	66	120	107	91	50	25
27	117	89	30E	25E	35	32E	68	113	2,340	87	47	26
28	130	88	34E	25E	35	28E	65	107	1,210	82	46	27
29	122	86	34E	23E	-----	27	57	104	541	76	45	27
30	118	84	33E	26E	-----	27	51	500E	1,400	70	45	28
31	115	-----	29E	27E	-----	28	-----	390E	-----	65	45	-----
TOTAL	2,614	3,341	868	929	804	1,026	2,683	4,586	10,078	8,222	2,225	1,051
MEAN	84.3	111	28.0	30.0	28.7	33.1	89.4	148	336	265	71.8	35.0
MAX	130	200	44	37	35	46	652	500	2,340	2,110	145	82
MIN	28	84	16	23	23	26	34	46	102	65	45	25
AC-FT	5,180	6,630	1,720	1,840	1,590	2,040	5,320	9,100	19,990	16,310	4,410	2,080
CAL YEAR 1998	TOTAL	35,789	MEAN	98.1	MAX	3,230	MIN	16	AC-FT	70,990		
WTR YEAR 1999	TOTAL	38,427	MEAN	105	MAX	2,340	MIN	16	AC-FT	76,220		

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

HAIGLER CANAL from Republican River, 00061000 - 1999

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 are furnished by the State of Colorado.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23					0	21	31	26	27	24	2.3
2	26					0	15	23	13	25	26	2.0
3	20					0	11	10	15	23	26	2.0
4	17					0	11	13	12	25	24	1.9
5	11					0	11	23	11	27	27	6.0
6	6.7					0	11	22	11	28	21	13
7	6.9					0	18	22	11	26	24	18
8	7.3					0	26	23	11	26	29	23
9	7.1					0	26	23	11	26	24	23
10	7.1					0	30	29	15	26	17	24
11	6.9					0	31	35	12	26	14	27
12	6.9					0	32	36	15	26	6.5	18
13	7.1					0	33	34	15	26	3.0	18
14	7.3					0	33	34	11	25	2.6	22
15	7.3					0	33	32	8.3	24	6.3	18
16	7.3					0	33	32	8.5	23	18	15
17	7.1					0	33	37	16	22	18	16
18	7.1					0	33	29	25	21	15	12
19	7.1					0	33	22	24	20	11	8.3
20	7.3					0	33	22	27	20	11	9.4
21	7.3					0	33	21	27	19	9.9	6.2
22	14					0	33	15	26	18	2.3	4.8
23	20					0	35	13	24	19	8.6	7.4
24	16					0	26	23	26	19	16	10
25	16					0	20	25	25	19	16	9.6
26	17					0	23	25	25	19	16	11
27	15					0	32	24	26	19	16	16
28	1.8					0	30	24	28	18	14	16
29	0				-----	9.2	28	23	26	18	5.1	17
30	0				-----	18	28	24	29	19	2.5	13
31	0	-----			-----	24	-----	25	-----	20	2.5	-----
TOTAL	310.6					51.2	795	774	559.8	699	456.3	389.9
MEAN	10.0					1.65	26.5	25.0	18.7	22.5	14.7	13.0
MAX	26					24	35	37	29	28	29	27
MIN	0					0	11	10	8.3	18	2.3	1.9
AC-FT	616					102	1,580	1,540	1,110	1,390	905	773
CAL YEAR 1998	MAX	26	MIN	0	AC-FT	616						
WTR YEAR 1999	MAX	37	MIN	0	AC-FT	8,010						

REPUBLICAN RIVER BASIN

HAIGLER CANAL from Republican River, 00061400 - 1999

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 are furnished by the State of Colorado.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16					0	20	30	30	16	12	1.5
2	21					0	15	23	12	15	16	.84
3	20					0	9.5	11	14	14	18	.89
4	17					0	9.5	11	12	16	18	.80
5	12					0	10	20	9.6	18	18	3.7
6	6.6					0	10	18	8.9	19	26	10
7	6.6					0	14	16	8.9	20	15	9.6
8	7.0					0	24	16	9.7	20	24	13
9	7.2					0	25	17	9.0	20	20	13
10	7.2					0	27	21	15	20	15	13
11	7.3					0	28	27	2.7	20	11	21
12	7.3					0	25	30	7.6	20	7.6	16
13	7.3					0	24	28	11	20	2.3	10
14	7.3					0	25	26	4.8	20	1.9	16
15	7.2					0	26	27	.48	19	3.3	14
16	7.7					0	26	27	1.1	18	17	9.8
17	7.7					0	25	33	5.0	17	18	12
18	7.7					0	26	30	18	16	17	9.3
19	7.5					0	24	14	16	15	10	5.0
20	7.5					0	18	14	23	15	9.7	6.0
21	7.5					0	24	14	22	14	11	5.1
22	11					0	28	11	22	12	3.1	3.1
23	22					0	33	8.2	20	15	5.3	3.9
24	17					0	28	15	20	12	15	8.1
25	17					0	23	23	17	13	15	7.5
26	18					0	23	22	13	14	12	7.5
27	18					0	27	22	14	13	16	13
28	4.0					0	25	21	17	11	16	15
29	0				-----	8.7	24	21	16	11	6.1	17
30	0				-----	15	25	23	17	12	2.2	13
31	0	-----			-----	21	-----	26	-----	12	1.2	-----
TOTAL	309.6					44.7	671.0	645.2	396.78	497	382.7	278.63
MEAN	9.99					1.44	22.4	20.8	13.2	16.0	12.3	9.29
MAX	22					21	33	33	30	20	26	21
MIN	0					0	9.5	8.2	.48	11	1.2	.80
AC-FT	614					89	1,330	1,280	787	986	759	553
CAL YEAR 1998	MAX	22	MIN	0	AC-FT	614						
WTR YEAR 1999	MAX	33	MIN	0	AC-FT	6,400						

REPUBLICAN RIVER BASIN

HAIGLER CANAL SPILLBACK to Arikaree River, 00061500 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	13				0	16	13	14	.82	.50	0
2	5.4	3.1				0	12	17	11	1.1	1.3	0
3	8.4	0				0	9.1	9.1	7.7	2.8	.98	0
4	7.7	0				0	7.6	1.6	6.5	4.2	.10	0
5	7.5	0				0	8.2	8.1	3.1	4.1	3.6	0
6	3.9	0				0	8.0	9.7	2.4	.86	9.9	3.3
7	2.8	0				0	7.8	9.8	2.5	0	2.9	7.6
8	2.6	0				0	14	8.3	2.0	0	8.8	5.9
9	2.6	0				0	17	7.3	1.2	0	10	4.2
10	2.7	0				0	18	5.9	.87	0	11	.74
11	3.0	0				0	20	7.0	2.7	.06	9.4	5.3
12	3.1	0				0	16	8.9	1.0	0	10	8.9
13	3.2	0				0	14	11	3.1	0	3.0	3.8
14	3.0	0				0	15	9.4	5.0	0	.55	4.7
15	3.2	0				0	16	12	2.9	0	0	7.8
16	3.3	0				0	18	11	2.2	0	6.2	7.4
17	3.7	0				0	16	13	4.0	0	10	7.4
18	3.8	0				0	15	14	12	0	12	7.6
19	3.7	0				0	12	9.1	9.3	0	9.6	5.1
20	4.3	0				0	8.2	9.1	3.7	0	8.1	3.5
21	4.2	0				0	7.5	9.3	4.0	0	7.6	4.5
22	4.8	0				0	8.9	8.4	2.3	0	6.1	3.2
23	12	0				0	9.8	3.2	4.6	.08	.82	2.6
24	11	0				0	14	4.0	5.6	0	6.1	5.3
25	11	0				0	8.0	11	7.3	0	5.6	5.7
26	12	0				0	8.4	10	3.1	0	2.2	5.6
27	9.7	0				0	9.1	10	.62	0	1.3	6.5
28	4.1	0				0	9.2	8.3	.98	0	3.4	10
29	4.5	0			-----	0	8.0	8.6	0	0	0	11
30	11	0			-----	12	9.7	8.9	1.5	0	0	9.8
31	11	-----			-----	14	-----	9.6	-----	0	0	-----
TOTAL	176.3	16.1				26	360.5	285.6	127.17	14.02	151.05	147.44
MEAN	5.69	.54				.84	12.0	9.21	4.24	.45	4.87	4.91
MAX	12	13				14	20	17	14	4.2	12	11
MIN	2.6	0				0	7.5	1.6	0	0	0	0
AC-FT	350	32				52	715	566	252	28	300	292
CAL YEAR 1998	MAX	13	MIN	0	AC-FT	382						
WTR YEAR 1999	MAX	20	MIN	0	AC-FT	2,590						

REPUBLICAN RIVER BASIN

MEEKER-DRIFTWOOD CANAL from Republican River, 00087000 - 1999

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 are furnished by the United States Bureau of Reclamation.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	64	224	139
2									0	68	193	127
3									0	76	169	44
4									0	74	162	0
5									0	109	163	0
6									0	180	156	0
7									0	217	152	0
8									0	244	152	0
9									0	246	183	0
10									0	246	218	0
11									0	245	170	0
12									0	246	113	0
13									0	234	113	0
14									0	228	120	0
15									0	218	120	0
16									0	124	138	0
17									0	77	225	0
18									0	77	136	0
19									0	90	76	0
20									0	123	74	0
21									44	171	74	0
22									59	220	74	0
23									70	247	117	0
24									81	253	177	0
25									90	252	223	0
26									91	252	246	0
27									91	241	183	0
28									79	227	193	0
29					-----				74	225	230	0
30					-----				74	225	191	0
31		-----			-----		-----		-----	224	154	-----
TOTAL									753	5,723	4,919	310
MEAN									25.1	185	159	10.3
MAX									91	253	246	139
MIN									0	64	74	0
AC-FT									1,490	11,350	9,760	615
WTR YEAR 1999	MAX	253	MIN	0	AC-FT	23,220						

REPUBLICAN RIVER BASIN

SWANSON LAKE near Trenton, 06829000 - 1999

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.--Published by U. S. Geological Survey up to October 1, 1994. Records are good.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents 148,900 acre-feet August 2 & 3, 1962, elevation 2,757.42 feet.
Minimum since start of operation 19,950 acre-feet October 24, 1954, elevation 2,722.61 feet.

EXTREMES FOR CURRENT YEAR.--Maximum contents 80,160 acre-feet June 22, elevation 2,744.88 feet.
Minimum contents 47,700 acre-feet September 26, 27, elevation 2,735.82 feet.

STORAGE CAPACITY TABLE.--elevation in feet, storage in acre-feet

2,730	31,690	2,745	80,700	2,755	127,700
2,735	45,210	2,750	102,600	2,760	156,100
2,740	61,590				

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51,050	50,670	53,790	56,120	60,440	64,120	68,760	73,960	76,930	78,670	60,300	49,020
2	51,080	51,020	53,920	56,190	60,640	64,190	68,840	74,230	76,850	78,460	59,810	48,700
3	51,050	51,050	54,020	56,250	60,780	64,260	68,950	74,350	77,010	78,180	59,320	48,570
4	51,180	51,150	54,120	56,320	60,890	64,370	69,070	74,630	77,130	77,860	58,980	48,540
5	51,080	51,180	54,250	56,420	60,990	64,630	69,480	74,750	77,090	77,290	58,570	48,540
6	51,020	51,310	54,320	56,620	61,130	64,590	69,630	74,670	77,050	76,770	58,260	48,510
7	50,990	51,500	54,420	56,590	61,280	64,700	69,790	74,750	77,050	76,130	57,880	48,450
8	50,960	51,540	54,480	56,660	61,420	64,990	70,130	74,750	77,010	75,380	57,500	48,450
9	50,920	51,790	54,550	56,760	61,520	65,140	70,090	74,940	76,930	74,590	56,960	48,360
10	50,890	51,890	54,610	56,790	61,700	65,280	70,360	75,020	77,580	73,840	56,190	48,290
11	50,860	51,890	54,680	56,930	61,870	65,390	70,400	75,020	78,380	73,100	56,050	48,260
12	50,830	51,960	54,780	57,000	61,940	65,720	70,550	75,060	78,630	72,440	55,820	48,200
13	50,800	52,050	54,910	57,170	62,010	65,940	70,660	75,100	78,700	71,660	55,650	48,140
14	50,760	52,120	55,010	57,340	62,160	66,090	71,010	75,260	78,830	70,930	55,350	48,070
15	50,800	52,280	55,110	57,500	62,260	66,310	71,240	75,340	79,150	70,280	54,950	48,040
16	50,860	52,350	55,250	57,680	62,400	66,560	71,240	75,540	79,360	70,470	54,380	48,010
17	50,800	52,480	55,380	57,880	62,650	66,640	71,310	75,660	79,560	70,200	54,150	47,980
18	50,760	52,610	55,480	58,090	62,650	66,820	71,390	75,740	79,680	69,940	53,980	47,950
19	50,700	52,670	55,510	58,330	62,830	66,970	71,470	75,740	79,830	69,560	53,880	47,820
20	50,640	52,740	55,550	58,570	62,900	67,080	71,550	75,930	79,980	69,070	53,750	47,860
21	50,640	52,800	55,580	58,770	63,010	67,230	71,700	75,970	80,020	68,540	53,560	47,860
22	50,600	52,970	55,620	58,910	63,260	67,340	71,850	76,330	80,160	67,790	53,330	47,860
23	50,570	53,000	55,620	59,080	63,370	67,490	72,090	76,370	80,130	67,010	52,900	47,860
24	50,540	53,130	55,650	59,220	63,510	67,600	72,280	76,410	79,900	66,090	52,380	47,860
25	50,540	53,200	55,680	59,390	63,620	67,720	72,820	76,410	79,560	65,280	51,730	47,860
26	50,570	53,290	55,720	59,570	63,800	67,860	73,020	76,490	79,150	64,450	51,050	47,730
27	50,570	53,360	55,750	59,700	63,870	68,160	73,180	76,490	79,070	63,690	50,380	47,730
28	50,600	53,460	55,880	59,810	63,980	68,280	73,370	76,490	78,990	62,970	49,810	47,760
29	50,640	53,590	55,850	59,980	-----	68,390	73,570	76,490	78,620	62,260	49,650	47,820
30	50,570	53,690	55,950	60,120	-----	68,610	73,720	76,490	78,710	61,480	49,360	47,790
31	50,600	-----	55,980	60,260	-----	68,650	-----	76,770	-----	60,710	49,270	-----
MAX	51,180	53,690	55,980	60,260	63,980	68,650	73,720	76,770	80,160	78,670	60,300	49,020
MIN	50,540	50,670	53,790	56,120	60,440	64,120	68,760	73,960	76,850	60,710	49,270	47,730
CHANGE	-360	3,090	2,290	4,280	3,720	4,670	5,070	3,050	1,940	-18,000	-11,440	-1,480
CAL YEAR 1998			MEAN	74,046	MAX	99,760	MIN	50,540				
WTR YEAR 1999			MEAN	61,925	MAX	80,160	MIN	47,730				

REPUBLICAN RIVER BASIN

REPUBLICAN RIVER near Trenton, 00126700 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	50	121	
2									0	85	92	
3									0	101	74	
4									0	101	74	
5									0	101	65	
6									0	101	39	
7									0	101	33	
8									0	101	33	
9									0	101	59	
10									0	99	94	
11									0	99	66	
12									0	99	13	
13									0	99	0	
14									0	98	0	
15									0	98	38	
16									0	98	100	
17									0	98	110	
18									0	98	55	
19									0	98	0	
20									0	98	26	
21									0	98	75	
22									0	98	75	
23									0	122	74	
24									37	151	74	
25									102	151	91	
26									102	151	103	
27									102	151	89	
28									102	138	75	
29					-----				101	121	30	
30					-----				66	121	0	
31		-----			-----		-----		-----	121	0	-----
TOTAL									612	3,347	1,778	
MEAN									20.4	108	57.4	
MAX									102	151	121	
MIN									0	50	0	
AC-FT									1,210	6,640	3,530	
CAL YEAR 1998	MAX	174	MIN	0	AC-FT	17,490						
WTR YEAR 1999	MAX	151	MIN	0	AC-FT	11,380						

REPUBLICAN RIVER BASIN

FRENCHMAN CREEK near Imperial, 06831500 - 1999

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. Gage datum is approximately 3130 feet above National Geodetic Vertical Datum of 1929, 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 good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 2,340 cubic feet per second March 22, 1960, gage height 8.43 ft.; minimum daily discharge 4.8 cubic feet per second March 12, 1977 during backwater from ice.

EXTREMES FOR CURRENT YEAR.--Peak discharge 171 cubic feet per second June 8, gage height 2.61 ft.; minimum daily discharge 11 cubic feet per second July 24 and 28.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	17	18	18	18	19	18	21	19	30	13	29
2	14	18	19	17	18	19	18	21	18	26	15	20
3	14	19	19	17	18	18	19	21	25	23	14	20
4	15	18	20	18	18	18	19	20	75	20	12	18
5	15	17	20	18	18	19	20	21	25	19	13	17
6	15	16	20	18	18	19	21	20	20	18	13	17
7	14	17	20	17	19	18	20	22	19	18	12	17
8	15	17	20	17	19	18	20	21	17	17	12	16
9	14	17	20	18	18	18	20	20	17	17	12	16
10	14	15	20	18	18	19	19	20	19	16	13	16
11	14	17	19	19	18	18	16	19	25	16	22	15
12	14	17	20	19	17	19	14	19	22	16	37	15
13	14	17	20	19	19	20	14	19	19	15	21	15
14	15	17	20	19	19	19	14	20	18	15	19	18
15	15	16	20	19	19	19	15	21	18	14	16	23
16	15	17	19	19	19	19	15	21	17	14	16	18
17	15	17	19	19	19	19	17	22	16	15	21	23
18	15	17	19	19	19	19	17	22	16	15	32	17
19	15	17	17E	19	19	18	17	20	15	15	36	17
20	15	17	17E	19	19	18	18	20	16	14	26	16
21	15	18	17E	19	18	19	19	20	15	14	23	16
22	15	18	17E	19	18	19	20	19	14	13	19	16
23	15	17	18	19	19	20	20	19	14	12	16	16
24	15	18	18	18	19	19	20	18	14	11	13	15
25	16	18	18	18	19	19	23	18	13	12	13	17
26	16	17	19	19	18	20	23	18	13	12	14	19
27	16	17	19	19	19	19	22	18	13	12	13	18
28	17	17	19	19	19	19	22	18	54	11	20	17
29	17	17	19	19	-----	19	21	17	53	12	43	17
30	17	17	19	18	-----	18	21	17	26	12	65	17
31	18	-----	19	18	-----	18	-----	18	-----	12	34	-----
TOTAL	467	514	588	571	518	582	562	610	665	486	648	531
MEAN	15.1	17.1	19.0	18.4	18.5	18.8	18.7	19.7	22.2	15.7	20.9	17.7
MAX	18	19	20	19	19	20	23	22	75	30	65	29
MIN	13	15	17	17	17	18	14	17	13	11	12	15
AC-FT	926	1,020	1,170	1,130	1,030	1,150	1,110	1,210	1,320	964	1,290	1,050
CAL YEAR 1998 TOTAL		6,784	MEAN	18.6	MAX	44	MIN	11	AC-FT	13,460		
WTR YEAR 1999 TOTAL		6,742	MEAN	18.5	MAX	75	MIN	11	AC-FT	13,370		

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

FRENCHMAN CREEK near Enders, 06832500 - 1999

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 - present, operated during irrigation season when water was released from Enders Reservoir.

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0E	58	104	
2									0E	6.3	91	
3									0E	5.7	70	
4									0E	60	74	
5									0E	77	82	
6									0E	104	82	
7									0E	137	85	
8									0E	164	96	
9									0E	161	110	
10									0E	157	140	
11									0E	156	141	
12									0E	156	77	
13									0E	157	74	
14									0E	155	98	
15									0E	144	172	
16									0E	120	191	
17									0E	122	204	
18									0E	116	34	
19									0E	113	6.5	
20									0E	117	0 E	
21									0E	130	0 E	
22									0E	138	0 E	
23									0E	139	0 E	
24									0E	149	0 E	
25									0E	164	0 E	
26									0E	147	0 E	
27									0E	148	0 E	
28									57	145	0 E	
29					-----				41	140	0 E	
30					-----				60	91	0 E	
31		-----			-----		-----		-----	96	0 E	-----
TOTAL									158	3,773.0	1,931.5	
MEAN									5.27	122	62.3	
MAX									60	164	204	
MIN									0	5.7	0	
AC-FT									313	7,480	3,830	
CAL YEAR 1998	MAX	203	MIN	.20	AC-FT	15,200						
WTR YEAR 1999	MAX	204	MIN	0	AC-FT	11,630						

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

STINKING WATER CREEK near Palisade, 06835000 - 1999

LOCATION.--SW1/4NW1/4 Sec. 30-5-33 W., Hayes County, Lat. 40°22'10", Long. 101°06'50", 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 good, 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 4.9 cubic feet per second August 23, 1987.

EXTREMES FOR CURRENT YEAR.--Peak discharge 265 cubic feet per second September 1, gage height 6.85 feet; minimum daily discharge 11 cubic feet per second July 24, 25.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	19	22	24	25	25	21	28	20	25	13	243
2	14	20	22	23E	25	25	21	28	20	23	16	139
3	16	23	22	23E	24	25	21	27	20	21	21	68
4	16	26	23	22E	25	26	21	30	19	20	21	53
5	16	27	23	22E	26	25	23	29	20	20	19	45
6	16	25	23	23E	26	25	25	26	18	18	19	38
7	16	24	22	23E	27	25	29	25	17	18	22	32
8	16	25	22	24	27	25	29	24	15	17	21	29
9	15	26	21	23	27	26	28	24	14	16	21	27
10	15	25	21	24	27	26	30	25	23	16	60	26
11	15	24	22	23	28	27	28	23	31	15	44	25
12	15	24	21	24	28	27	27	22	37	15	146	24
13	15	24	22	27	26	28	25	21	36	14	130	23
14	15	24	22	26	26	29	27	22	28	14	115	23
15	15	23	22	25	29	32	25	22	28	14	127	22
16	16	23	22	25	28	33	24	24	27	13	60	22
17	16	23	22	26	27	32	22	25	24	14	44	22
18	15	23	22	27	27	28	22	25	23	14	52	22
19	15	23	23	26	28	26	21	24	22	13	43	22
20	15	23	21	26	28	25	21	23	20	13	39	23
21	15	23	20E	26	26	24	20	22	19	13	52	23
22	15	23	19E	26	26	24	20	22	19	12	42	23
23	15	23	19E	26	27	24	22	22	19	12	28	23
24	15	23	19E	25	27	23	26	20	17	11	25	22
25	16	23	20E	25	27	23	29	20	17	11	24	22
26	16	23	21E	24	27	23	33	19	16	17	22	22
27	16	23	22E	25	27	24	39	19	20	51	21	21
28	16	23	23E	25	26	24	39	19	25	14	21	22
29	17	23	23	24	-----	24	36	19	27	13	55	23
30	18	23	24	24	-----	23	32	18	31	12	195	26
31	18	-----	24	25	-----	22	-----	18	-----	12	145	-----
TOTAL	483	704	674	761	747	798	786	715	672	511	1,663	1,155
MEAN	15.6	23.5	21.7	24.5	26.7	25.7	26.2	23.1	22.4	16.5	53.6	38.5
MAX	18	27	24	27	29	33	39	30	37	51	195	243
MIN	14	19	19	22	24	22	20	18	14	11	13	21
AC-FT	958	1,400	1,340	1,510	1,480	1,580	1,560	1,420	1,330	1,010	3,300	2,290
CAL YEAR 1998 TOTAL		7,661	MEAN	21.0	MAX	73	MIN	12	AC-FT	15,200		
WTR YEAR 1999 TOTAL		9,669	MEAN	26.5	MAX	243	MIN	11	AC-FT	19,180		

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

CULBERTSON CANAL from Frenchman River, 00035000 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							87	45	39	39	111	
2							40	45	39	39	112	
3							41	43	39	39	112	
4							41	42	39	44	102	
5							31	41	39	64	100	
6							24	44	38	86	103	
7							24	45	37	108	105	
8							24	44	36	131	106	
9							24	43	36	146	113	
10							27	43	42	152	122	
11							26	44	40	152	137	
12							27	42	38	152	147	
13							28	41	40	153	141	
14							37	41	44	153	132	
15							44	42	49	152	129	
16							45	45	50	148	166	
17							45	45	48	135	186	
18							45	45	46	131	194	
19							44	44	44	125	171	
20							44	43	43	120	115	
21							44	41	42	120	86	
22							45	41	41	125	77	
23							45	41	46	131	77	
24							46	40	42	133	70	
25							45	40	40	135	66	
26							45	39	36	154	20	
27							45	38	41	153	0	
28							45	37	53	149	0	
29					-----		45	37	71	145	0	
30					-----		45	36	54	145	0	
31		-----			-----		-----	36	-----	120	0	-----
TOTAL							1,198	1,293	1,292	3,779	3,000	
MEAN							39.9	41.7	43.1	122	96.8	
MAX							87	45	71	154	194	
MIN							24	36	36	39	0	
AC-FT							2,380	2,560	2,560	7,500	5,950	
WTR YEAR 1999	MAX	194	MIN	0	AC-FT	20,950						

REPUBLICAN RIVER BASIN

RIVERSIDE CANAL from Frenchman River, 00127000 - 1999

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	0	4.5	0
2									0	0	6.5	0
3									0	6.4	9.6	0
4									0	15	9.5	0
5									0	14	8.9	0
6									0	14	8.5	0
7									0	13	9.6	12
8									0	12	9.2	11
9									0	12	8.0	12
10									0	9.7	4.4	11
11									0	9.6	0 E	11
12									8.1	8.5E	0 E	11
13									16	7.5E	0 E	10
14									16	7.1E	0 E	10
15									15	6.8E	0 E	9.0
16									14	6.1E	0 E	10
17									14	5.9E	0 E	5.8
18									11	5.9E	0 E	0
19									11	6.0E	0 E	0
20									7.5	5.4E	0 E	0
21									0	4.9E	9.0E	0
22									7.1	5.7E	7.0E	0
23									13	7.1	8.0E	0
24									12	7.3	9.4	0
25									11	7.0	9.2	0
26									10	7.0	9.3	0
27									12	11	12	0
28									13	10	12	0
29					-----				13	8.2	5.8	0
30					-----				11	5.8	0	0
31		-----			-----		-----		-----	5.9	0	-----
TOTAL									214.7	244.8	160.4	112.8
MEAN									7.16	7.90	5.17	3.76
MAX									16	15	12	12
MIN									0	0	0	0
AC-FT									426	486	318	224

WTR YEAR 1999 MAX 16 MIN 0 AC-FT 1,450

E indicated estimated discharge.

REPUBLICAN RIVER BASIN

RED WILLOW CREEK above Hugh Butler Lake, 06837300 - 1999

LOCATION.--NE1/4SE1/4 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 good, 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 3.1 cubic feet per second July 12, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharge 713 cubic feet per second August 10, gage height 11.88 feet; minimum daily discharge 5.9 cubic feet per second July 24 & 25.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	20	20	13E	21	23	22	25	16	34	7.9	24
2	12	21	19	12E	22	22	22	24	17	35	11	20
3	13	23	19	12E	24	22	22	35	16	26	15	37
4	13	26	19	13E	27	20	21	33	16	21	21	119
5	14	29	20	14E	27	20	22	32	15	18	22	132
6	14	30	20	16E	28	20	27	29	14	16	26	87
7	14	30	19	18E	28	20	28	24	14	15	27	50
8	14	29	18E	17E	29	22	29	20	13	14	31	32
9	14	27	17E	18E	29	24	30	19	12	13	32	23
10	14	28	16E	19E	30	26	27	18	15	12	48	18
11	14	31	16E	20E	28	27	25	17	42	11	124	16
12	13	29	17E	21E	27	29	22	16	40	11	49	15
13	13	27	14	22E	24	31	21	16	34	11	40	14
14	12	25	15	21E	23	32	22	16	35	9.5	33	13
15	12	24	15	20E	23	34	27	44	33	9.4	22	13
16	14	23	15	20E	24	37	25	29	30	9.5	18	12
17	14	22	16	21E	24	39	24	23	23	8.7	18	13
18	15	21	17	22E	24	38	22	23	20	7.6	30	13
19	15	21	18	23	24	33	21	22	18	7.6	26	13
20	17	20	14	23	24	31	20	22	17	9.0	34	13
21	18	19	13E	23	24	28	19	21	16	8.9	30	14
22	17	19	12E	23	23	26	19	26	16	7.5	19	14
23	16	19	12E	23	23	25	20	22	15	6.5	14	14
24	15	18	13E	23	24	24	22	20	15	5.9	12	14
25	15	19	14E	22E	24	24	26	18	17	5.9	11	13
26	15	19	15E	21E	24	25	33	17	15	6.5	8.5	13
27	14	19	16E	20E	26	26	40	16	23	7.2	8.9	13
28	15	19	17E	19E	26	90	39	16	29	6.9	8.8	13
29	18	19	16E	19E	-----	32	35	15	36	6.0	91	14
30	17	20	14E	20	-----	26	30	15	40	6.1	48	14
31	19	-----	15E	21	-----	23	-----	15	-----	6.0	27	-----
TOTAL	451	696	501	599	704	899	762	688	662	371.7	913.1	813
MEAN	14.5	23.2	16.2	19.3	25.1	29.0	25.4	22.2	22.1	12.0	29.5	27.1
MAX	19	31	20	23	30	90	40	44	42	35	124	132
MIN	11	18	12	12	21	20	19	15	12	5.9	7.9	12
AC-FT	895	1,380	994	1,190	1,400	1,780	1,510	1,360	1,310	737	1,810	1,610
CAL YEAR 1998 TOTAL		7,040.5	MEAN	19.3	MAX	110	MIN	6.8	AC-FT	13,960		
WTR YEAR 1999 TOTAL		8,059.8	MEAN	22.1	MAX	132	MIN	5.9	AC-FT	15,990		

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

HUGH BUTLER LAKE near McCook, 06837390 - 1999

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.--Published by U. S. Geological Survey up to October 1, 1994. Records are good.

COOPERATION.--Reservoir capacity table furnished by U. S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents 41,680 acre-feet July 15 & 16, 1967, elevation 2,584.14 feet.
Minimum since start of operation 16,930 acre-feet September 8, 1978 elevation 2565.31 feet.

EXTREMES FOR CURRENT YEAR.--Maximum contents 31,700 acre-feet June 27, 28, elevation 2,578.93 feet.
Minimum contents 25,190 acre-feet October 3, elevation 2,574.33 feet.

STORAGE CAPACITY TABLE.--elevation in feet, storage in acre-feet

2,565	16,630	2,575	27,800
2,570	21,800	2,580	34,910

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25,200	25,570	26,670	27,260	28,120	28,770	29,700	30,640	31,450	31,620	26,930	27,330
2	25,220	25,750	26,680	27,280	28,130	28,780	29,650	30,780	31,450	31,620	26,820	27,250
3	25,190	25,760	26,710	27,260	28,170	28,780	29,650	30,850	31,450	31,590	26,750	27,240
4	25,240	25,800	26,740	27,290	28,190	28,810	29,670	30,860	31,490	31,500	26,710	27,320
5	25,220	25,840	26,780	27,320	28,230	28,830	29,780	30,890	31,480	31,370	26,680	27,490
6	25,220	25,910	26,780	27,350	28,260	28,810	29,800	30,860	31,450	31,240	26,670	27,640
7	25,220	26,000	26,790	27,370	28,290	28,810	29,860	30,880	31,400	31,080	26,680	27,700
8	25,220	26,020	26,800	27,390	28,320	28,900	29,930	30,890	31,390	30,890	26,680	27,710
9	25,240	26,100	26,820	27,420	28,330	28,900	29,890	30,950	31,370	30,660	26,680	27,710
10	25,270	26,150	26,850	27,430	28,400	28,930	29,930	30,960	31,420	30,420	26,790	27,710
11	25,280	26,160	26,850	27,470	28,390	28,960	29,900	30,930	31,550	30,200	28,160	27,710
12	25,240	26,200	26,890	27,490	28,390	29,040	29,930	30,930	31,560	30,050	28,170	27,670
13	25,260	26,240	26,890	27,520	28,400	29,090	29,960	30,950	31,580	29,890	28,120	27,660
14	25,280	26,280	26,920	27,560	28,440	29,120	30,020	31,010	31,590	29,710	28,100	27,630
15	25,300	26,310	26,930	27,600	28,460	29,160	30,040	30,990	31,620	29,590	28,120	27,600
16	25,390	26,340	26,970	27,630	28,470	29,200	30,000	31,080	31,610	29,420	27,960	27,600
17	25,350	26,350	26,980	27,700	28,470	29,220	30,020	31,090	31,590	29,300	28,320	27,580
18	25,320	26,380	27,000	27,710	28,500	29,240	30,080	31,090	31,560	29,230	28,300	27,580
19	25,330	26,390	27,000	27,740	28,530	29,270	30,120	31,140	31,560	29,140	28,260	27,580
20	25,330	26,420	27,000	27,770	28,530	29,290	30,180	31,240	31,560	29,040	28,220	27,580
21	25,330	26,440	27,000	27,810	28,530	29,290	30,170	31,240	31,590	28,940	28,220	27,580
22	25,330	26,480	27,010	27,840	28,610	29,320	30,180	31,340	31,650	28,800	28,200	27,580
23	25,370	26,480	27,040	27,880	28,630	29,330	30,180	31,360	31,650	28,610	28,170	27,610
24	25,410	26,520	27,050	27,890	28,670	29,360	30,210	31,360	31,620	28,410	28,090	27,750
25	25,410	26,530	27,100	27,910	28,670	29,390	30,330	31,360	31,670	28,190	27,950	27,750
26	25,450	26,540	27,110	27,960	28,710	29,390	30,410	31,360	31,650	27,990	27,770	27,730
27	25,470	26,560	27,120	27,980	28,730	29,480	30,480	31,360	31,700	27,800	27,580	27,710
28	25,560	26,600	27,150	27,990	28,740	29,560	30,500	31,360	31,700	27,610	27,430	27,710
29	25,550	26,630	27,160	28,020	-----	29,610	30,560	31,340	31,590	27,440	27,430	27,660
30	25,530	26,650	27,210	28,050	-----	29,670	30,600	31,450	31,610	27,290	27,420	27,670
31	25,530	-----	27,220	28,080	-----	29,700	-----	31,430	-----	27,100	27,370	-----
MAX	25,560	26,650	27,220	28,080	28,740	29,700	30,600	31,450	31,700	31,620	28,320	27,750
MIN	25,190	25,570	26,670	27,260	28,120	28,770	29,650	30,640	31,370	27,100	26,670	27,240
CHANGE	370	1,120	570	860	660	960	900	830	180	-4,510	270	300
CAL YEAR 1998			MEAN	31,130	MAX	35,930	MIN	25,190				
WTR YEAR 1999			MEAN	28,427	MAX	31,700	MIN	25,190				

REPUBLICAN RIVER BASIN

RED WILLOW CREEK near McCook, 06837500 - 1999

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. Records are good.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									5.6	32	67	39
2									5.0	37	68	41
3									5.0	38	53	15
4									4.9	44	43	7.8
5									4.6	67	38	6.4
6									4.5	79	34	5.7
7									4.6	88	31	5.2
8									4.6	101	32	5.2
9									4.6	101	33	5.1
10									5.5	99	41	5.1
11									6.7	98	48	4.9
12									5.5	90	33	4.8
13									5.5	85	33	5.1
14									5.4	82	32	5.3
15									5.4	76	34	5.2
16									5.5	67	36	5.1
17									5.5	62	53	5.3
18									5.4	61	52	5.1
19									5.6	55	35	5.1
20									5.7	50	35	5.5
21									5.5	60	35	5.5
22									5.5	67	35	5.4
23									5.5	80	35	5.3
24									5.2	97	42	5.0
25									5.6	98	65	5.1
26									5.3	104	95	5.1
27									20	98	92	5.4
28									41	91	86	5.6
29					-----				43	79	80	5.5
30					-----				31	70	60	5.5
31		-----			-----		-----		-----	66	42	-----
TOTAL									272.7	2,322	1,498	240.3
MEAN									9.09	74.9	48.3	8.01
MAX									43	104	95	41
MIN									4.5	32	31	4.8
AC-FT									541	4,610	2,970	477
CAL YEAR 1998	MAX	122	MIN	4.2	AC-FT	10,510						
WTR YEAR 1999	MAX	104	MIN	4.5	AC-FT	8,590						

REPUBLICAN RIVER BASIN

RED WILLOW CANAL from Red Willow Creek, 00126000 - 1999

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 are furnished by the United States Bureau of Reclamation.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	31	49	29
2									0	36	54	34
3									0	38	39	11
4									0	38	35	0
5									0	58	34	0
6									0	81	27	0
7									0	83	24	0
8									0	94	24	0
9									0	96	24	0
10									0	96	33	0
11									0	97	25	0
12									0	91	15	0
13									0	86	12	0
14									0	68	12	0
15									0	60	12	0
16									0	53	15	0
17									0	50	32	0
18									0	50	22	0
19									0	40	12	0
20									0	36	11	0
21									0	50	10	0
22									0	60	10	0
23									0	71	12	0
24									0	79	23	0
25									0	80	36	0
26									0	80	51	0
27									0	80	63	0
28									0	78	66	0
29					-----				20	72	54	0
30					-----				34	67	34	0
31		-----			-----		-----		-----	65	27	-----
TOTAL									54	2,064	897	74
MEAN									1.80	66.6	28.9	2.47
MAX									34	97	66	34
MIN									0	31	10	0
AC-FT									107	4,090	1,780	147
WTR YEAR 1999	MAX	97	MIN	0	AC-FT	6,130						

REPUBLICAN RIVER BASIN

BARTLEY CANAL from Republican River, 00006000 - 1999

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	33	59	24
2									0	39	33	22
3									0	42	21	6.5
4									0	42	17	0
5									0	64	14	0
6									0	90	14	0
7									0	97	13	0
8									0	93	13	0
9									0	80	13	0
10									0	75	34	0
11									0	75	26	0
12									0	67	16	0
13									0	66	15	0
14									0	67	15	0
15									0	70	14	0
16									34	69	34	0
17									30	65	64	0
18									30	49	36	0
19									30	29	13	0
20									30	33	11	0
21									30	37	11	0
22									35	51	11	0
23									39	68	13	0
24									42	74	38	0
25									46	74	56	0
26									48	87	65	0
27									51	92	90	0
28									44	88	104	0
29					-----				40	77	92	0
30					-----				35	64	46	0
31		-----			-----		-----		-----	59	27	-----
TOTAL									564	2,016	1,028	52.5
MEAN									18.8	65.0	33.2	1.75
MAX									51	97	104	24
MIN									0	29	11	0
AC-FT									1,120	4,000	2,040	104
WTR YEAR 1999		MAX	104	MIN	0	AC-FT	7,260					

REPUBLICAN RIVER BASIN

MEDICINE CREEK above Harry Strunk Lake, 06841000 - 1999

LOCATION.--SWL/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 150 cubic feet per second are fair, and estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 11,600 cubic feet per second June 21, 1967, gage height 20.05 feet; minimum daily discharge 9.1 cubic feet per second August 9, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharge 390 cubic feet per second June 28, gage height 8.47 feet; minimum daily discharge 22 cubic feet per second July 31.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	48	48	45E	54	55	57	62	50	71	24	40
2	34	50	48	44E	55	55	54	62	50	60	33	40
3	37	53	48	44E	56	54	53	69	51	53	43	36
4	37E	60	48	45E	55	55	52	66	51	47	45	35
5	38E	60	48	46E	55	54	57	63	48	42	43	35
6	37E	58	48	47E	55	53	60	60	44	40	41	35
7	37E	56	47	48E	56	52	68	56	42	40	50	34
8	37	55	47	48E	55	54	65	53	39	37	47	33
9	37	56	47	49E	55	54	62	50	37	35	40	34
10	37	54	45	49E	57	55	60	50	44	32	31	34
11	36	53	46	50E	56	56	57	49	85	31	223	34
12	35	52	45	50E	56	56	57	49	122	31	211	35
13	34E	50	46	52E	54	56	58E	48	113	29	120	35
14	35E	49	47	52E	54	56	60E	59	86	28	75	35
15	36E	48	47	52E	54	59	66E	89	70	27	55	35
16	37E	47	48	54E	54	60	78	76	59	28	45	35
17	38E	46	49	54E	55	59	63	75	53	29	46	36
18	39E	46	49	54E	54	57	61	71	50	32	141	37
19	40E	46	49	56E	54	54	57	68	48	31	69	36
20	41E	46	45E	56	54	53	55	66	47	30	46	37
21	40	46	40E	57	53	52	54	60	46	30	40	37
22	40	46	38E	57	55	52	55	60	45	29	37	38
23	40	46	39E	56	55	51	57	64	44	27	33	37
24	41	46	40E	56	56	51	61	55	44	26	33	36
25	41	46	41E	55	57	51	63	53	41	26	32	35
26	42	46	43E	55	57	51	70	50	39	26	32	35
27	43	46	45E	55	56	52	83	49	93	25	31	34
28	45	46	47E	54	55	55	84	48	268	24	30	36
29	46	47	49E	54	-----	67	73	47	150	23	44	37
30	50	47	47E	53	-----	68	66	47	95	23	42	37
31	49	-----	46E	53	-----	60	-----	46	-----	22	41	-----
TOTAL	1,209	1,495	1,420	1,600	1,542	1,717	1,866	1,820	2,054	1,034	1,823	1,073
MEAN	39.0	49.8	45.8	51.6	55.1	55.4	62.2	58.7	68.5	33.4	58.8	35.8
MAX	50	60	49	57	57	68	84	89	268	71	223	40
MIN	30	46	38	44	53	51	52	46	37	22	24	33
AC-FT	2,400	2,970	2,820	3,170	3,060	3,410	3,700	3,610	4,070	2,050	3,620	2,130
CAL YEAR 1998	TOTAL	18,012.00	MEAN	49.3	MAX	383	MIN	19	AC-FT	35,730		
WTR YEAR 1999	TOTAL	18,653.00	MEAN	51.1	MAX	268	MIN	22	AC-FT	37,000		

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

HARRY STRUNK LAKE near Cambridge, 06842000 - 1999

LOCATION.--NE1/4 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.--Published by U. S. Geological Survey up to October 1, 1994. Records are good, except estimated records are fair.

COOPERATION.--Reservoir capacity table furnished by U. S. Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents 55,750 acre-feet March 23, 1960 elevation 2,374.10 feet.
Minimum since start of operation 7,840 acre-feet September 7, 1978 elevation 2,340.39 feet.

EXTREMES FOR CURRENT YEAR.--Maximum contents 40,060 acre-feet July 2, elevation 2,368.36 feet.
Minimum contents 16,380 acre-feet October 12-13, elevation 2,351.96 feet.

STORAGE CAPACITY TABLE.--elevation in feet, storage in acre-feet

2,345	10,320	2,360	25,910
2,350	14,500	2,365	33,730
2,355	19,630	2,370	43,470

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16,460	17,760	20,630	23,070E	26,090	28,750	31,760	35,180	37,950	40,040	27,190	26,150
2	16,480	17,910	20,660	23,150E	26,160	28,790	31,790	35,360	38,120	40,060	27,020	26,060
3	16,500	17,990	20,770	23,240E	26,240	28,820	31,830	35,540	38,200	40,000	27,000	26,090
4	16,570	18,100	20,870	23,350E	26,330	28,960	31,960	35,740	38,340	39,900	27,100	26,080
5	16,560	18,210	20,940	23,430E	26,420	29,020	32,180	35,760	38,420	39,560	27,100	26,120
6	16,520	18,320	20,970	23,520E	26,490	29,050	32,250	35,800	38,360	39,120	27,320	26,190
7	16,490	18,440	21,030	23,610E	26,620	29,130	32,400	35,850	38,420	38,710	27,450	26,260
8	16,470	18,560	21,130	23,710	26,740	29,350	32,520	35,930	38,470	38,220	27,550	26,240
9	16,470	18,720	21,210	23,780	26,810	29,390	32,550	36,090	38,550	37,600	27,640	26,270
10	16,450	18,790	21,290	23,870	26,890	29,490	32,670	36,130	38,770	37,030	27,580	26,340
11	16,430	18,890	21,370	23,960	26,950	29,560	32,690	36,130	39,140	36,500	28,130	26,400
12	16,380	18,990	21,480	24,050	27,060	29,720	32,810	36,200	39,220	36,080	28,560	26,370
13	16,380	19,100	21,540	24,130	27,130	29,830	32,950	36,320	39,360	35,610	28,700	26,380
14	16,400	19,180	21,620	24,230	27,280	29,930	33,220	36,480	39,480	35,140	28,870	26,420
15	16,390	19,290	21,700	24,380	27,350	30,050	33,290	36,540	39,500	34,600	28,990	26,480
16	16,520	19,370	21,780	24,460	27,420	30,180	33,410	36,770	39,500	34,200	28,960	26,490
17	16,540	19,480	21,890	24,580	27,520	30,260	33,460	36,820	39,540	33,850	28,900	26,550
18	16,600	19,550	21,960	24,700	27,660	30,320	33,600	36,940	39,520	33,710	29,050	26,620
19	16,670	19,620	21,970	24,780	27,720	30,420	33,710	37,070	39,600	33,450	29,130	26,650
20	16,740	19,690	22,000	24,900	27,800	30,520	33,850	37,140	39,580	33,150	29,160	26,720
21	16,800	19,800	22,060E	25,030	27,910	30,610	33,990	37,260	39,460	32,760	29,140	26,810
22	16,870	19,900	22,130E	25,110	28,070	30,660	34,080	37,410	39,460	32,300	29,180	26,920
23	16,950	19,930	22,190E	25,190	28,110	30,760	34,120	37,430	39,400	31,760	29,110	27,020
24	17,050	20,030	22,340E	25,280	28,200	30,860	34,220	37,530	39,380	31,230	28,790	27,090
25	17,110	20,100	22,450E	25,370	28,310	30,940	34,420	37,560	39,300	30,640	28,340	27,130
26	17,190	20,180	22,520E	25,490	28,440	31,020	34,530	37,620	39,240	30,080	27,850	27,160
27	17,270	20,280	22,630E	25,560	28,530	31,250	34,710	37,700	39,280	29,560	27,350	27,150
28	17,400	20,350	22,720E	25,650	28,580	31,300	34,780	37,740	39,760	29,050	26,880	27,160
29	17,450	20,430	22,800E	25,690	-----	31,400	34,900	37,780	39,860	28,550	26,590	27,220
30	17,530	20,510	22,890E	25,860	-----	31,540	35,010	37,910	39,940	28,130	26,400	27,310
31	17,600	-----	22,990E	25,940	-----	31,680	-----	37,870	-----	27,670	26,240	-----
MAX	17,600	20,510	22,990	25,940	28,580	31,680	35,010	37,910	39,940	40,060	29,180	27,310
MIN	16,380	17,760	20,630	23,070	26,090	28,750	31,760	35,180	37,950	27,670	26,240	26,060
CHANGE	1,180	2,910	2,480	2,950	2,640	3,100	3,330	2,860	2,070	-12,270	-1,430	1,070

CAL YEAR 1998	MEAN	28,023	MAX	40,100	MIN	15,530
WTR YEAR 1999	MEAN	28,144	MAX	40,060	MIN	16,380

E indicates estimated storage contents.

REPUBLICAN RIVER BASIN

MEDICINE CREEK below Harry Strunk Lake, 06842500 - 1999

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 5 cubic feet per second good, estimated records And records below 5 cubic feet per second 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 302 cubic feet per second July 25, gage height 2.66 feet; minimum daily discharge 0.18 cubic feet per second September 26.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	1.9	.66	.92	.97	.56	.19	.39	.57	68	203	95
2	29	1.3	.65	.66	.97	.45	.19	1.0	.31	66	128	62
3	29	.65	.66	.66	.97	.40	.23	.74	.41	62	47	3.0
4	29	.46	.54	.66	1.0	.46	.27	.97	.27	87	31	1.1
5	41	.38	.49	.97	1.3	.49	.57	.81	.33	166	31	1.1
6	57	.42	.77	.97	1.1	.47	.35	.72	.40	215	15	.49
7	57	.40	1.1	.97	1.1	.38	.30	.62	.56	239	.59	.56
8	53	.49	1.2	.97	.97	.41	.31	.66	.45	253	.76	.51
9	45	.66	1.2	.97	1.3	.30	.29	.66	.48	263	18	.43
10	46	.63	1.4	.97	1.7	.30	.30	.49	.97	265	62	.44
11	46	.66	1.4	.92	1.8	.29	.29	.58	1.6	266	53	.38
12	47	.66	1.2	.66	.50	.38	.29	.66	3.2	255	15	.40
13	48	.66	.88	.66	.66	.40	.42	.66	11	247	.86	.41
14	48	.66	1.0	.56	.61	.43	.94	.73	15	248	.94	.38
15	49	.66	.97	.66	.66	.40	.37	.66	17	250	8.6	.40
16	19	.64	.97	.66	.64	.37	.36	.49	20	202	57	.38
17	.37	.67	.97	.66	.65	.34	.34	.48	20	169	100	.38
18	.49	.65	.97	.66	.46	.51	.38	.43	21	169	69	.49
19	.61	.76	.97	.73	.35	3.5	.55	.45	23	163	33	.45
20	.60	.97	1.0	.97	.39	.97	.40	.69	81	179	33	.49
21	.53	.97	.70E	.97	.49	.72	.88	.47	104	210	34	.39
22	.66	1.2	.70E	.97	.67	.66	.43	.45	76	248	34	.39
23	.66	.97	.70E	.70	.46	.66	.36	.41	74	275	57	.33
24	.89	.85	.70E	.66	.74	.62	.36	.34	64	285	156	.24
25	.66	.66	.70E	.66	.66	.49	.53	.33	71	289	241	.21
26	.74	.81	.97	.66	.66	.37	.44	.32	71	301	265	.18
27	.97	.66	.97	.66	.66	.30	.52	.46	78	287	263	.19
28	1.0	.66	.97	.66	.54	.30	.63	.38	100	271	262	.25
29	.91	.66	.97	.87	-----	.24	.55	.38	82	256	215	.30
30	1.1	.72	.97	.97	-----	.24	.48	.38	67	220	150	.21
31	1.4	-----	.97	.97	-----	.23	-----	.32	-----	206	112	-----
TOTAL	683.59	22.44	28.32	24.61	22.98	16.64	12.52	17.13	1,004.55	6,680	2,695.75	171.48
MEAN	22.1	.75	.91	.79	.82	.54	.42	.55	33.5	215	87.0	5.72
MAX	57	1.9	1.4	.97	1.8	3.5	.94	1.0	104	301	265	95
MIN	.37	.38	.49	.56	.35	.23	.19	.32	.27	62	.59	.18
AC-FT	1,360	45	56	49	46	33	25	34	1,990	13,250	5,350	340
CAL YEAR 1998 TOTAL	18,129.19		MEAN	49.7	MAX	363	MIN	.17	AC-FT	35,960		
WTR YEAR 1999 TOTAL	11,380.01		MEAN	31.2	MAX	301	MIN	.18	AC-FT	22,570		

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

CAMBRIDGE CANAL from Republican River, 00020000 - 1999

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 are furnished by United States Bureau of Reclamation.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	55	199	115
2									0	107	96	98
3									0	112	52	25
4									0	110	52	0
5									0	132	51	0
6									0	200	46	0
7									0	224	43	0
8									0	224	42	0
9									0	235	40	0
10									0	243	42	0
11									0	242	42	0
12									0	246	43	0
13									0	251	43	0
14									0	253	40	0
15									0	246	38	0
16									0	199	81	0
17									0	182	120	0
18									25	182	98	0
19									25	194	80	0
20									26	219	73	0
21									91	217	68	0
22									81	253	68	0
23									76	257	87	0
24									52	258	175	0
25									52	258	257	0
26									52	270	282	0
27									68	273	247	0
28									79	272	234	0
29					-----				53	272	231	0
30					-----				40	215	198	0
31		-----			-----		-----		-----	202	131	-----
TOTAL									720	6,603	3,299	238
MEAN									24.0	213	106	7.93
MAX									91	273	282	115
MIN									0	55	38	0
AC-FT									1,430	13,100	6,540	472
WTR YEAR 1999	MAX	282	MIN	0	AC-FT	21,540						

REPUBLICAN RIVER BASIN

MUDDY CREEK at Arapahoe, 06844000 - 1999

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 operated and published records from October 1, 1993 to December 31, 1994 and from Jan 1, 1998 to present. 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 853 cubic feet per second June 11, gage height 12.61 feet; minimum daily discharge 5.1 cubic feet per second October 1, 8-11, 14-15.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	7.0	6.7	6.4E	7.0	7.5	7.1	7.0	23	37	7.4	7.9
2	5.8	8.6	6.7	6.2E	7.1	7.5	7.0	7.8	13	18	10	7.9
3	5.8	8.8	6.7	6.4E	7.1	7.7	7.1	10	14	16	9.3	6.8
4	5.6	8.1	6.8	6.4E	7.0	7.8	7.2	9.8	11	14	8.9	6.5
5	5.7	7.5	6.8	6.6E	7.0	8.0	8.4	13	7.6	12	8.3	6.6
6	5.6	7.1	6.6	6.6E	7.0	8.1	8.4	11	6.5	11	12	6.5
7	5.3	7.3	6.5	6.8E	7.1	8.2	8.1	7.9	6.1	11	22	6.4
8	5.1	7.4	6.2E	6.8E	7.3	8.5	7.8	7.2	5.9	11	16	6.3
9	5.1	7.4	6.0E	6.8E	7.3	8.7	7.5	6.9	5.6	11	9.6	6.2
10	5.1	7.6	6.2E	6.8E	7.4	8.4	7.2	6.8	24	12	7.8	6.1
11	5.1	7.5	6.0E	6.6E	7.6	8.1	7.1	6.7	558	13	226	6.2
12	5.2	7.2	6.0E	6.6E	7.2	8.0	7.2	6.6	278	12	182	6.1
13	5.2	7.1	5.9	6.8E	7.1	7.9	7.1	6.8	45	11	29	6.3
14	5.1	7.0	6.4E	7.0E	7.3	7.7	9.3	6.8	18	11	14	6.5
15	5.1	7.1	6.5	7.2E	7.3	7.5	9.6	7.3	12	9.8	11	6.1
16	5.3	7.1	6.7	7.5	7.3	7.5	9.0	16	10	9.7	9.0	6.0
17	5.5	7.0	6.4	7.3	7.1	7.5	8.1	12	9.5	11	9.1	6.2
18	5.5	7.0	6.8	7.2E	7.1	7.4	7.3	9.4	8.7	12	29	6.2
19	5.9	7.0	6.2	7.2	7.2	7.2	7.1	7.6	8.5	10	64	6.2
20	8.8	6.8	5.8E	7.5	7.3	7.2	7.1	7.6	8.5	9.9	19	6.5
21	6.6	6.8	6.2E	7.2	7.3	7.1	9.5	8.2	8.4	8.8	11	6.6
22	5.9	6.8	6.2E	7.1	7.5	7.2	28	8.4	15	8.9	8.9	6.0
23	5.7	6.8	6.4E	6.8	7.7	7.1	12	8.5	15	9.5	8.1	5.8
24	6.0	6.8	6.6E	6.8	7.8	7.2	9.1	7.8	8.4	9.2	7.8	5.7
25	5.8	6.7	6.6E	6.6E	7.8	7.3	8.4	8.5	10	9.2	7.7	5.7
26	5.8	6.7	6.8E	6.6E	7.6	7.0	8.8	7.4	12	8.3	7.8	5.6
27	6.0	6.9	6.8E	6.7	7.5	6.8	8.5	6.9	11	7.6	8.9	5.7
28	6.6	6.8	7.0E	6.5E	7.5	7.5	7.8	6.7	181	7.6	7.7	5.7
29	6.8	6.8	6.8E	6.8E	-----	7.5	7.5	6.5	358	7.2	8.6	6.0
30	6.7	6.8	6.6E	7.2	-----	7.3	7.2	6.6	69	7.0	11	5.9
31	6.7	-----	6.4E	7.1	-----	7.2	-----	6.6	-----	6.2	8.7	-----
TOTAL	179.5	215.5	200.3	212.1	204.5	235.6	261.5	256.3	1,760.7	351.9	799.6	188.2
MEAN	5.79	7.18	6.46	6.84	7.30	7.60	8.72	8.27	58.7	11.4	25.8	6.27
MAX	8.8	8.8	7.0	7.5	7.8	8.7	28	16	558	37	226	7.9
MIN	5.1	6.7	5.8	6.2	7.0	6.8	7.0	6.5	5.6	6.2	7.4	5.6
AC-FT	356	427	397	421	406	467	519	508	3,490	698	1,590	373
CAL YEAR 1998 TOTAL		2,667.4	MEAN	7.31	MAX	45	MIN	4.4	AC-FT	5,290		
WTR YEAR 1999 TOTAL		4,865.7	MEAN	13.3	MAX	558	MIN	5.1	AC-FT	9,650		

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

TURKEY CREEK at Edison, 06844210 - 1999

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 1,040 cubic feet per second July 27, 1993, gage height 14.28 feet; minimum daily discharge 0.01 cubic feet per second September 6, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharge 472 cubic feet per second August 11, gage height 11.31 feet; minimum daily discharge 7.8 cubic feet per second estimated December 23.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.8	11	13	13 E	16	16	16	14	67	23	12	14
2	11	13	13	12 E	16	16	16	16	60	24	15	13
3	12	15	13	11	16	15	16	20	23	19	12	13
4	10	14	14	10	16	15	16	20	21	18	10	27
5	10	12	13	9.0E	16	16	18	29	20	19	10	22
6	10	12	13	10 E	16	16	20	26	18	18	26	12
7	9.9	12	13	11 E	16	15	17	18	17	21	49	11
8	9.9	13	13 E	12 E	16	16	17	17	17	20	18	11
9	10	13	13 E	13 E	16	17	17	17	17	20	12	11
10	10	14	12 E	14 E	16	17	17	17	31	17	12	12
11	10	14	13 E	15 E	16	16	17	17	118	17	266	11
12	10	13	12 E	16 E	15	16	16	17	177	18	158	53
13	10	13	14	17 E	15	16	16	17	35	19	42	23
14	10	13	14	18 E	16	16	20	17	22	18	24	13
15	10	13	14	19 E	16	16	24	19	19	17	17	12
16	11	13	14	20	16	16	18	24	18	16	16	12
17	13	13	14	20	16	16	17	20	18	16	15	12
18	11	13	14	17	16	15	16	21	17	21	79	12
19	11	13	13	16	16	15	16	18	17	18	67	12
20	11	13	9.2E	16	15	15	16	19	18	12	23	13
21	11	13	8.6E	15	15	15	16	19	17	13	18	13
22	11	14	8.2E	16	15	15	18	19	17	13	17	12
23	11	13	7.8E	14	16	16	17	22	16	14	16	12
24	11	13	8.8E	14	16	16	16	19	17	14	17	12
25	11	13	10 E	13	16	16	16	17	17	15	17	12
26	11	13	10 E	13	16	15	18	17	17	15	16	12
27	11	13	11 E	14	16	16	17	18	21	14	15	12
28	11	13	11 E	14	15	17	15	18	98	13	15	13
29	12	14	12 E	14	-----	17	14	18	118	13	16	13
30	12	14	12 E	15	-----	15	14	18	40	13	18	12
31	12	-----	13 E	15	-----	16	-----	19	-----	12	15	-----
TOTAL	333.6	393	373.6	446.0	442	490	507	587	1,128	520	1,063	442
MEAN	10.8	13.1	12.1	14.4	15.8	15.8	16.9	18.9	37.6	16.8	34.3	14.7
MAX	13	15	14	20	16	17	24	29	177	24	266	53
MIN	9.8	11	7.8	9.0	15	15	14	14	16	12	10	11
AC-FT	662	780	741	885	877	972	1,010	1,160	2,240	1,030	2,110	877
CAL YEAR 1998 TOTAL		5,006.6	MEAN	13.7	MAX	125	MIN	5.7	AC-FT	9,930		
WTR YEAR 1999 TOTAL		6,725.2	MEAN	18.4	MAX	266	MIN	7.8	AC-FT	13,340		

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

BEAVER CREEK near Beaver City, 06847000 - 1999

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 fair, except estimated records and records below 5 cubic feet per second 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 90 cubic feet per second June 29, gage height 6.25 feet; minimum daily discharge 0.26 cubic feet per second September 25 & 26.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.46	1.1	.99	.96E	1.3	1.7	1.9	2.8	5.3	50	4.1	.93
2	.50	1.3	.99	.94E	1.4	1.7	1.9	2.7	4.6	36	35	.80
3	.40	1.3	.99	.92E	1.4	1.6	1.8	2.7	4.5	26	30	.78
4	.38	.95	1.0	.90E	1.4	1.7	1.9	2.9	5.2	19	12	.79
5	.46	.81	.96	.90E	1.4	1.7	2.3	3.1	4.4	12	8.4	.81
6	.45	.70	.94	.93E	1.5	1.7	2.4	3.1	3.6	9.0	8.0	.84
7	.43	.78	.91	.96E	1.5	1.7	2.6	3.0	3.2	7.1	6.3	.84
8	.40	.86	.86	1.0 E	1.6	1.8	2.5	3.2	2.9	6.1	5.7	.82
9	.45	.82	.88	1.0 E	1.6	1.9	2.4	3.1	2.5	4.8	5.2	.77
10	.47	.59	.94	1.1 E	1.6	1.9	2.3	2.8	2.5	4.6	4.0	.69
11	.49	.57	1.0	1.1 E	1.6	1.9	2.2	2.6	3.6	4.2	4.1	.66
12	.57	.59	1.0	1.2 E	1.5	2.0	2.1	2.6	4.3	3.6	4.6	.58
13	.65	.57	1.1	1.2 E	1.6	2.0	2.0	2.6	6.4	3.1	4.1	.53
14	.63	.59	1.1	1.3	1.8	2.1	2.4	2.6	7.9	2.7	3.6	.54
15	.65	.63	1.1	1.4	1.6	2.2	2.5	3.5	4.5	2.4	3.8	.49
16	.63	.60	1.1	1.4	1.6	2.2	2.3	3.3	3.5	2.4	3.5	.47
17	.65	.66	1.2	1.4	1.6	2.1	2.4	3.5	3.3	2.4	2.7	.44
18	.66	.64	1.2	1.3	1.6	2.1	2.4	3.3	3.2	2.9	2.5	.44
19	.58	.56	1.0	1.3	1.6	2.1	2.4	3.2	3.2	2.5	2.4	.45
20	.63	.69	.95E	1.3	1.7	2.1	2.5	3.3	3.0	3.8	2.4	.48
21	.68	.67	.93E	1.3	1.7	2.1	2.4	3.2	2.9	6.5	2.4	.46
22	.70	.68	.91E	1.3	1.7	2.1	2.4	3.6	2.7	15	2.4	.39
23	.66	.65	.89E	1.2	1.7	2.1	2.5	4.1	2.5	22	1.9	.34
24	.58	.69	.89E	1.2	1.7	2.1	2.5	5.3	2.3	18	1.6	.30
25	.56	.76	.90E	1.3	1.7	2.2	2.6	6.2	2.2	14	1.5	.26
26	.69	.77	.92E	1.4	1.7	2.2	2.7	5.4	2.0	19	1.4	.26
27	.94	.80	.94E	1.4	1.7	2.1	2.6	4.2	9.6	15	1.2	.27
28	.85	.91	.96E	1.4	1.8	2.1	2.6	3.6	8.6	10	1.0	.33
29	.89	.91	.98E	1.3	-----	2.0	2.7	3.4	66	6.8	1.1	.33
30	.96	.91	1.0 E	1.4	-----	2.0	2.7	3.3	84	5.0	1.2	.32
31	.98	-----	.98E	1.4	-----	2.0	-----	3.4	-----	3.9	1.1	-----
TOTAL	19.03	23.06	30.51	37.11	44.6	61.2	70.9	105.6	264.4	339.8	169.2	16.41
MEAN	.61	.77	.98	1.20	1.59	1.97	2.36	3.41	8.81	11.0	5.46	.55
MAX	.98	1.3	1.2	1.4	1.8	2.2	2.7	6.2	84	50	35	.93
MIN	.38	.56	.86	.90	1.3	1.6	1.8	2.6	2.0	2.4	1.0	.26
AC-FT	38	46	61	74	88	121	141	209	524	674	336	33
CAL YEAR 1998 TOTAL	1,088.94			MEAN 2.98		MAX 30		MIN .17		AC-FT 2,160		
WTR YEAR 1999 TOTAL	1,181.82			MEAN 3.24		MAX 84		MIN .26		AC-FT 2,340		

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

HARLAN COUNTY RESERVOIR near Republican City, 06849000 - 1999

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.--Published by U.S. Geological Survey up to Oct. 1, 1994. Records are good.
Area and storage data provided by the U.S. Army Corps of Engineers.

STORAGE CAPACITY TABLE.--elevation in feet, storage in acre-feet

1,928	128,300	1,940	243,100	1,955	449,810
1,930	144,300	1,945	302,000	1,960	536,460
1,935	190,800	1,950	371,310		

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	255,500	257,500	264,600	270,500	280,000	289,300	299,100	311,800	334,000	340,200	298,000	280,300
2	255,700	257,700	265,000	270,500	280,400	289,500	299,600	313,100	334,400	339,800	298,200	279,600
3	255,200	258,100	265,200	270,600	280,800	289,400	300,000	313,500	336,300	338,700	297,800	279,200
4	255,700	258,300	265,500	271,400	281,000	289,600	300,200	315,100	336,600	337,400	297,100	278,600
5	255,500	258,400	265,700	271,000	281,500	290,100	301,600	315,000	337,100	336,200	296,600	278,000
6	255,200	258,400	266,000	270,900	282,000	290,100	301,700	315,000	337,300	334,500	296,800	277,800
7	255,300	259,100	266,300	271,300	282,200	290,100	302,000	315,000	337,300	333,000	296,500	277,600
8	255,100	259,200	266,400	271,500	282,600	291,600	302,900	315,100	337,400	331,400	295,800	277,300
9	255,300	261,400	266,400	271,600	282,900	291,100	301,600	315,500	337,300	329,700	295,000	276,800
10	255,200	260,000	266,600	271,900	283,500	292,000	303,400	316,200	338,400	327,600	293,700	276,800
11	255,300	260,000	266,900	272,000	284,100	292,200	303,200	316,400	338,900	325,900	293,600	278,000
12	255,300	260,000	267,200	272,300	283,800	292,700	303,300	316,700	340,500	324,400	294,000	278,100
13	255,300	260,600	267,400	272,600	284,100	293,100	303,600	316,700	341,300	322,100	294,200	278,000
14	255,300	260,700	267,800	272,900	284,400	293,300	305,200	317,400	342,700	320,200	293,800	277,900
15	255,500	261,100	268,000	273,300	284,600	293,800	305,600	319,000	342,700	319,800	293,200	277,900
16	255,900	261,100	268,400	273,400	284,700	294,200	305,600	319,200	343,400	319,800	292,600	277,800
17	256,100	261,100	268,500	273,700	285,300	294,500	305,600	320,200	343,400	318,700	291,500	277,900
18	255,900	261,700	268,600	274,100	285,800	294,700	306,200	320,500	343,500	318,000	290,900	278,000
19	255,800	261,900	268,700	274,400	286,000	295,000	306,200	320,900	343,800	316,800	290,100	278,000
20	256,000	262,200	268,700	274,700	286,300	295,100	306,500	324,500	343,700	315,900	289,100	278,000
21	256,000	262,300	268,900	275,000	286,100	295,100	306,900	325,300	343,400	314,600	288,400	278,000
22	255,900	262,600	268,800	275,500	287,100	295,500	307,500	326,700	342,700	313,100	287,900	278,000
23	255,900	262,600	268,900	275,600	287,100	296,000	307,800	328,200	342,300	311,500	287,100	278,000
24	256,300	262,800	269,200	276,000	287,400	296,300	308,100	329,000	341,600	309,700	286,200	278,000
25	256,300	263,100	269,200	276,300	287,700	296,300	308,900	329,800	340,900	308,400	285,200	278,100
26	256,600	263,400	269,300	276,600	288,300	296,700	309,800	330,200	340,200	306,800	284,500	278,000
27	256,600	263,600	269,400	276,900	288,500	297,700	310,200	330,800	340,200	305,200	283,900	277,900
28	256,900	264,000	269,600	277,600	288,600	297,700	310,600	330,900	339,600	303,700	282,800	278,000
29	256,800	264,200	269,600	278,100	-----	298,000	311,000	331,200	339,200	301,700	282,800	278,000
30	256,600	264,400	269,800	279,000	-----	298,300	311,400	331,500	340,300	300,200	282,000	277,800
31	256,700	-----	269,800	279,300	-----	298,600	-----	331,600	-----	298,200	281,000	-----
MAX	256,900	264,400	269,800	279,300	288,600	298,600	311,400	331,600	343,800	340,200	298,200	280,300
MIN	255,100	257,500	264,600	270,500	280,000	289,300	299,100	311,800	334,000	298,200	281,000	276,800
CHANGE	1,487	7,754	5,313	9,560	9,329	9,948	12,805	20,232	8,696	-42,110	-17,220	-3,235
CAL YEAR 1998			MEAN	293,400	MAX	339,600	MIN	254,900				
WTR YEAR 1999			MEAN	291,000	MAX	343,800	MIN	255,100				

REPUBLICAN RIVER BASIN

NAPONEE CANAL from Republican River, 00105000 - 1999

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

GAGE.--Sparling Meter

PERIOD OF RECORD.--1955 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										9.0	27	13
2										17	10	4.0
3										23	0	0
4										26	0	0
5										29	0	0
6										31	0	0
7										32	0	0
8										33	0	0
9										33	11	0
10										31	23	0
11										29	27	0
12										29	27	0
13										29	27	0
14										31	27	0
15										33	27	0
16										13	29	0
17										0	30	0
18										0	28	0
19										9.0	24	0
20										21	23	0
21										27	20	0
22										31	18	0
23										36	18	0
24										34	22	0
25										31	24	0
26										31	24	0
27										31	24	0
28										31	24	0
29					-----					31	24	0
30					-----					31	21	0
31		-----			-----		-----		-----	29	19	-----
TOTAL										801.0	578	17.0
MEAN										25.8	18.6	.57
MAX										36	30	13
MIN										0	0	0
AC-FT										1,590	1,150	34
WTR YEAR 1999	MAX	36	MIN	0	AC-FT	2,770						

REPUBLICAN RIVER BASIN

FRANKLIN CANAL from Republican River, 00053000 - 1999

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 are furnished by the United States Bureau of Reclamation.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	168	246	174
2									0	177	206	168
3									0	209	168	168
4									0	226	160	158
5									0	242	147	152
6									0	254	147	100
7									0	252	147	102
8									0	248	160	117
9									0	248	202	109
10									0	247	228	49
11									0	246	215	0
12									0	246	196	0
13									0	246	213	0
14									0	245	230	0
15									0	244	237	0
16									0	226	248	0
17									0	200	248	0
18									0	192	237	0
19									0	203	230	0
20									0	229	230	0
21									68	247	230	0
22									104	246	230	0
23									109	248	230	0
24									109	251	230	0
25									118	250	230	0
26									129	250	230	0
27									130	250	228	0
28									131	249	228	0
29					-----				139	248	216	0
30					-----				162	248	202	0
31		-----			-----		-----		-----	247	190	-----
TOTAL									1,199	7,282	6,539	1,297
MEAN									40.0	235	211	43.2
MAX									162	254	248	174
MIN									0	168	147	0
AC-FT									2,380	14,440	12,970	2,570
WTR YEAR 1999	MAX	254	MIN	0	AC-FT	32,360						

REPUBLICAN RIVER BASIN

FRANKLIN PUMP CANAL from Republican River, 00054000 - 1999

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 are furnished by the United States Bureau of Reclamation.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										0	27	16
2										2.1	9.6	16
3										15	0	9.2
4										15	0	0
5										22	0	0
6										28	0	0
7										34	0	0
8										36	0	0
9										37	13	0
10										34	30	0
11										31	28	0
12										36	27	0
13										38	25	0
14										38	19	0
15										37	16	0
16										14	24	0
17										0	28	0
18										0	28	0
19										11	30	0
20										27	32	0
21										30	27	0
22										34	24	0
23										38	24	0
24										38	28	0
25										36	29	0
26										32	28	0
27										30	30	0
28										31	30	0
29					-----					35	27	0
30					-----					34	26	0
31		-----			-----		-----		-----	28	22	-----
TOTAL										821.1	631.6	41.2
MEAN										26.5	20.4	1.37
MAX										38	32	16
MIN										0	0	0
AC-FT										1,630	1,250	82
WTR YEAR 1999	MAX	38	MIN	0	AC-FT	2,960						

REPUBLICAN RIVER BASIN

THOMPSON CREEK at Riverton, 06851500 - 1999

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 good, 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.

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,140 cubic feet per second May 20, gage height 10.05 feet; minimum daily discharge 15 cubic feet per second December 22, July 30, and August 10.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	25	23	24E	24	23	24	22	418	24	17	18
2	22	28	24	24E	24	24	23	31	75	22	36	18
3	19	24	24	23E	26	22	26	25	52	22	27	20
4	20	23	24	22E	25	22	21	35	46	28	20	20
5	19	22	24	23E	27	22	32	43	39	28	17	21
6	18	23	23	26E	26	22E	25	33	37	22	24	20
7	17	23	21	24E	25	20E	24	29	36	22	25	19
8	17	22	21	23E	26	21E	23	29	35	21	19	19
9	17	23	20	22E	25	22E	23	28	35	21	16	18
10	18	22	21	21E	25	22	22	30	38	20	15	17
11	18	20	21	23E	25	21	22	30	38	20	82	19
12	18	20	21	23E	23	21	21	32	35	21	48	20
13	18	20	22	22E	24	21	22	31	35	21	33	18
14	19	21	22	24E	24	20	34	33	34	20	25	18
15	21	22	22	25E	25	21	28	173	34	19	25	18
16	22	22	22	24E	25	21	22	41	34	29	20	18
17	22	23	22	24E	25	21	22	49	33	31	19	19
18	21	23	23	23E	25	21	21	37	33	29	33	18
19	20	23	22	23E	24	21	22	36	34	23	32	19
20	21	21	21E	24	24	20	22	353	32	20	31	20
21	21	21	19E	24	23	20	23	113	32	21	33	18
22	20	22	15E	25	23	21	24	40	32	22	33	16
23	22	22	16E	24	23	20	24	231	44	21	32	17
24	24	23	20E	24	23	20	22	37	27	21	25	17
25	23	22	22E	23	23	20	27	31	22	20	19	17
26	23	22	23E	23	24	20	27	30	22	19	19	18
27	23	22	26	23	24	21	24	29	23	18	19	19
28	24	23	22	23	23	22	21	28	24	16	17	21
29	24	23	24	23	-----	21	22	26	23	16	20	20
30	23	23	24	26	-----	22	22	59	24	15	19	18
31	23	-----	24E	25	-----	23	-----	42	-----	16	18	-----
TOTAL	638	673	678	730	683	658	715	1,786	1,426	668	818	558
MEAN	20.6	22.4	21.9	23.5	24.4	21.2	23.8	57.6	47.5	21.5	26.4	18.6
MAX	24	28	26	26	27	24	34	353	418	31	82	21
MIN	17	20	15	21	23	20	21	22	22	15	15	16
AC-FT	1,270	1,330	1,340	1,450	1,350	1,310	1,420	3,540	2,830	1,320	1,620	1,110
CAL YEAR 1998 TOTAL		7,759	MEAN	21.3	MAX	167	MIN	12	AC-FT	15,390		
WTR YEAR 1999 TOTAL		10,031	MEAN	27.5	MAX	418	MIN	15	AC-FT	19,900		

E indicated estimated discharge.

REPUBLICAN RIVER BASIN

ELM CREEK at Amboy, 06852000 - 1999

LOCATION.--NE1/4NW1/4 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 7,800 cubic feet per second September 29, 1983 at gage height 16.96 ft. from flood mark; maximum gage height 17.05 ft. July 4, 1959; minimum daily discharge 6.2 cubic feet per second August 28, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharge 537 cubic feet per second May 20, gage height 12.48 feet; minimum daily discharge 6.5 cubic feet per second August 28.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	13	14	15	17	15	16	14	50	15	11	6.9
2	14	20	14	15	17	15	16	18	33	13	14	6.8
3	13	13	14	14E	17	15	18	18	27	12	14	7.1
4	13	13	14	13E	17	15	17	21	21	13	13	7.9
5	13	13	14	15	18	15	33	81	19	12	12	9.0
6	14	13	14	15	17	15	32	48	18	11	13	8.6
7	13	13	14	14E	16	15	23	23	17	10	12	8.4
8	13	13	14	13E	16	17	22	17	16	11	11	7.6
9	13	13	14	13E	16	16	18	16	16	11	10	7.9
10	14	13	14	14E	16	16	17	15	17	11	9.7	8.2
11	14	13	14	15E	16	16	17	16	17	11	13	8.7
12	14	13	14	15E	16	15	16	16	16	10	12	10
13	13	13	14	14E	15	15	16	16	16	11	11	9.6
14	13	13	15	15E	15	15	36	17	15	10	10	9.5
15	13	13	15	16E	15	15	63	75	16	9.8	9.0	9.3
16	16	13	15	16E	15	15	33	105	16	13	9.5	9.3
17	17	13E	15	15E	15	15	21	57	15	13	9.7	9.5
18	13	14E	15	15E	15	15	17	32	16	13	11	9.5
19	13	14	15	15E	15	15	15	23	16	11	11	9.7
20	13	14	15	15E	15	15	14	140	15	10	10	10
21	13	14	14E	15E	15	15	14	173	15	9.5	9.5	10
22	13	14	13E	15E	16	15	14	46	15	9.8	9.6	9.8
23	13	14	12E	15E	16	15	14	32	17	11	9.3	9.7
24	13	15	14E	16E	16	15	14	26	15	13	8.5	9.5
25	13	15	15	16E	16	15	15	23	14	10	8.6	9.7
26	13	14	15	17E	16	15	17	22	14	10	8.2	9.8
27	13	14	15	17E	15	15	15	22	15	10	8.6	9.7
28	13	14	15	16	15	16	14	21	15	10	6.5	11
29	13	14	15	16	-----	15	14	21	15	9.0	8.7	11
30	13	14	15	17	-----	16	14	21	15	9.2	7.8	10
31	13	-----	15	18	-----	16	-----	20	-----	10	7.5	-----
TOTAL	414	412	445	470	444	473	605	1,195	542	342.3	318.7	273.7
MEAN	13.4	13.7	14.4	15.2	15.9	15.3	20.2	38.5	18.1	11.0	10.3	9.12
MAX	17	20	15	18	18	17	63	173	50	15	14	11
MIN	12	13	12	13	15	15	14	14	14	9.0	6.5	6.8
AC-FT	821	817	883	932	881	938	1,200	2,370	1,080	679	632	543
CAL YEAR 1998 TOTAL		4,995.7	MEAN	13.7	MAX	99	MIN	7.6	AC-FT	9,910		
WTR YEAR 1999 TOTAL		5,934.7	MEAN	16.3	MAX	173	MIN	6.5	AC-FT	11,770		

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

COURTLAND CANAL from Republican River, 00031000 - 1999

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 are furnished by United States Bureau of Reclamation.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	50	312	447	225
2								0	50	312	447	225
3								0	43	312	321	225
4								0	74	369	255	225
5								0	73	443	268	225
6								0	71	460	285	225
7								0	70	469	300	225
8								0	79	483	300	225
9								0	132	482	319	207
10								0	153	479	344	157
11								0	153	479	313	136
12								0	154	460	197	132
13								0	154	435	162	100
14								0	154	429	156	86
15								0	154	431	154	84
16								0	155	429	191	131E
17								0	153	426	238	121E
18								0	197	426	286	106E
19								0	238	426	299	96E
20								0	238	429	318	97E
21								0	238	431	306	100E
22								0	211	427	299	101E
23								0	264	404	299	101E
24								0	346	399	281	95E
25								25E	398	399	274	90E
26								67E	415	399	237	86E
27								75E	415	399	225	82E
28								36E	346	429	206	86E
29					-----			41E	312	441	200	85E
30					-----			37E	312	441	200	79E
31		-----			-----		-----	43E	-----	446	217	-----
TOTAL								324	5,802	13,106	8,344	4,158
MEAN								10.5	193	423	269	139
MAX								75	415	483	447	225
MIN								0	43	312	154	79
AC-FT								643	11,510	26,000	16,550	8,250

WTR YEAR 1999 MAX 483 MIN 0 AC-FT 62,940

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

SUPERIOR CANAL from Republican River, 00137000 - 1999

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 are furnished by the United States Bureau of Reclamation.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	85	78	71
2									0	93	17	65
3									0	98	12	65
4									0	109	12	32
5									0	116	11	0
6									0	130	11	0
7									0	129	26	0
8									0	134	67	0
9									0	138	78	0
10									0	140	100	0
11									0	140	93	0
12									0	140	83	0
13									0	138	82	0
14									0	141	83	0
15									0	134	83	0
16									46	133	90	0
17									72	130	108	0
18									70	124	120	0
19									86	125	119	0
20									96	123	113	0
21									100	122	102	0
22									108	122	97	0
23									113	118	92	0
24									113	118	84	0
25									111	118	84	0
26									110	117	77	0
27									112	116	73	0
28									93	121	73	0
29					-----				72	126	74	0
30					-----				71	123	74	0
31		-----			-----		-----		-----	106	74	-----
TOTAL									1,373	3,807	2,290	233
MEAN									45.8	123	73.9	7.77
MAX									113	141	120	71
MIN									0	85	11	0
AC-FT									2,720	7,550	4,540	462
WTR YEAR 1999	MAX	141	MIN	0	AC-FT	15,280						

BIG BLUE RIVER BASIN

BIG BLUE RIVER at Surprise, 06879900 - 1999

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 are good, except 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 1,180 cubic feet per second June 3, gage height 6.60 feet; minimum daily discharge 2.3 cubic feet per second October 12-13.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	4.4	4.7	3.0E	7.2	7.1	6.1	6.5	702	60	9.3	4.6
2	3.9	5.6	4.5	2.9E	7.4	7.5	5.7	6.6	964	34	11	4.6
3	4.4	6.6	4.7	2.8E	7.9	6.0	5.9	7.1	1,130	25	9.9	4.0
4	4.8	6.2	4.8	2.4E	7.1	6.0	6.1	8.4	605	19	7.4	4.2
5	5.5	6.6	4.8	2.5E	8.0	5.9	7.1	9.1	127	15	7.3	4.3
6	5.3	6.1	4.8	2.6E	7.2	5.8	7.8	8.7	44	13	15	3.8
7	5.5	6.2	5.1	3.0E	7.2	5.6E	14	8.6	30	11	19	3.0
8	4.9	6.6	4.4	3.1E	7.9	5.8E	9.8	8.0	25	11	20	2.8
9	2.9	6.8	4.1	3.4E	7.1	6.2E	7.6	7.0	33	11	16	2.7
10	2.5	10	4.0	3.8E	6.6E	6.2E	6.7	6.5	26	10	12	3.3
11	2.4	14	3.8	4.0E	6.0E	6.2E	6.3	6.2	31	9.9	21	3.7
12	2.3	12	4.0	3.7E	4.6E	6.4E	6.3	6.5	23	9.1	26	3.9
13	2.3	7.4	4.4	3.4E	4.5E	6.4	6.0	7.1	18	9.2	22	3.7
14	2.7	6.0	4.4	4.1E	5.8E	6.7	15	7.0	16	9.3	14	3.5
15	2.9	5.4	4.5	4.7E	6.8E	6.9	51	8.8	15	11	18	3.7
16	2.8	5.0	4.4	4.8E	6.2	6.6	40	14	17	17	22	3.5
17	3.5	4.9	4.0E	4.8E	6.1	6.3	26	28	18	13	20	3.2
18	3.3	4.9	3.7E	5.0E	6.0E	5.9	16	32	16	11	15	2.9
19	2.9	4.9	3.6E	5.2E	6.0E	5.6	11	21	14	9.5	11	2.5
20	3.2	5.5	3.5E	5.2E	5.8E	5.7	9.8	14	14	10	10	2.8
21	3.8	6.0	3.4E	5.4E	5.8E	5.6	8.8	66	13	11	8.4	3.3
22	4.3	5.8	3.1E	5.6E	5.6E	6.4	8.4	45	16	14	7.4	3.5
23	5.1	5.3	3.0E	5.4E	5.6E	7.4	7.9	105	658	17	7.5	4.0
24	5.4	4.7	3.0E	5.2E	6.2E	14	7.6	115	83	17	7.3	3.6
25	5.2	4.4	3.1E	5.8E	7.0E	12	7.7	55	29	13	6.7	3.4
26	4.1	5.2	3.4E	6.4E	7.4	9.0	7.8	50	19	11	6.9	3.8
27	4.1	5.4	3.7E	6.8E	6.8	6.8	7.3	29	383	11	7.5	4.2
28	4.5	4.8	4.1E	7.0	6.3	6.2	7.1	27	89	9.7	6.9	4.4
29	4.7	4.7	4.4E	7.0	-----	6.3	7.2	22	32	9.5	4.7	4.1
30	5.0	4.8	4.3E	7.1	-----	6.4	6.9	16	48	9.3	5.1	2.8
31	4.2	-----	3.0E	7.0	-----	6.4	-----	55	-----	9.8	4.6	-----
TOTAL	122.1	186.2	124.7	143.1	182.1	211.3	340.9	806.1	5,238	450.3	378.9	107.8
MEAN	3.94	6.21	4.02	4.62	6.50	6.82	11.4	26.0	175	14.5	12.2	3.59
MAX	5.5	14	5.1	7.1	8.0	14	51	115	1,130	60	26	4.6
MIN	2.3	4.4	3.0	2.4	4.5	5.6	5.7	6.2	13	9.1	4.6	2.5
AC-FT	242	369	247	284	361	419	676	1,600	10,390	893	752	214
CAL YEAR 1998	TOTAL	6,215.8	MEAN	17.0	MAX	535	MIN	2.1	AC-FT	12,330		
WTR YEAR 1999	TOTAL	8,291.5	MEAN	22.7	MAX	1,130	MIN	2.3	AC-FT	16,450		

E indicates estimated discharge.

BIG BLUE RIVER BASIN

LINCOLN CREEK near Seward, 06880000 - 1999

LOCATION.--NW1/4NE1/4 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 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 WSP 1730.

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 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 1,820 cubic feet per second July 1, gage height 17.76 feet; minimum daily discharge 19 cubic feet per second estimated October 1.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	24	27	22E	28	30	31	36	1,020	1,680	48	34
2	20	26	27	21E	28	30	32	36	1,070	682	43	33
3	20	27	27	21E	30	29	32	37	775	371	44	36
4	20	26	28	20E	31	29	33	38	359	288	46	35
5	22	26	28	22E	31	29	34	38	206	165	45	30
6	22	26	26	23E	32	29	35	38	131	122	49	30
7	21	26	26	24E	31	28E	35	37	99	103	62	31
8	22	28	26	23E	31	28E	35	36	81	88	46	30
9	24	28	26	22E	31	27E	36	38	81	81	49	27
10	24	32	26	25E	31	27E	38	48	731	75	49	25
11	27	29	26	30E	30E	28E	44	190	128	68	147	27
12	25	28	26	28E	29E	29E	40	41	118	66	236	27
13	23	27	26	27E	30	30	38	39	145	64	186	26
14	23	27	26	34E	30	30	44	38	90	63	157	26
15	23	27	26	39E	30	30	66	185	74	61	95	25
16	24	27	26	43E	30	31	55	78	72	79	77	25
17	24	27	26	44E	30	30	51	85	67	122	62	25
18	22	28	26	42E	29E	30	50	94	65	78	52	24
19	22	26	25E	41E	29E	30	55	70	64	68	43	26
20	22	26	25E	42E	28E	30	55	106	62	66	38	26
21	22	26	23E	39E	29E	29	49	177	62	62	35	25
22	22	26	20E	36E	29E	31	45	72	71	63	34	25
23	22	26	20E	33E	28E	33	42	214	734	63	33	25
24	23	25	22E	27E	29E	32	40	106	234	61	37	27
25	24	26	26E	25E	31	31	40	61	155	58	38	27
26	24	27	27E	27E	32	31	39	53	128	62	36	27
27	25	27	27E	27E	32	31	38	50	578	60	34	26
28	25	27	28E	26E	31	32	37	45	347	56	33	26
29	26	27	29E	26E	-----	32	36	44	148	55	33	26
30	24	27	24E	26E	-----	31	36	341	511	57	32	25
31	24	-----	23E	28	-----	31	-----	317	-----	53	34	-----
TOTAL	710	805	794	913	840	928	1,241	2,788	8,406	5,040	1,953	827
MEAN	22.9	26.8	25.6	29.5	30.0	29.9	41.4	89.9	280	163	63.0	27.6
MAX	27	32	29	44	32	33	66	341	1,070	1,680	236	36
MIN	19	24	20	20	28	27	31	36	62	53	32	24
AC-FT	1,410	1,600	1,570	1,810	1,670	1,840	2,460	5,530	16,670	10,000	3,870	1,640
CAL YEAR 1998	TOTAL	22,004	MEAN	60.3	MAX	2,200	MIN	19	AC-FT	43,640		
WTR YEAR 1999	TOTAL	25,245	MEAN	69.2	MAX	1,680	MIN	19	AC-FT	50,070		

E indicates estimated discharge.

BIG BLUE RIVER BASIN

BIG BLUE RIVER at Seward, 06880500 - 1999

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 good, 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 2,900 cubic feet per second July 1, gage height 17.13 feet; minimum daily discharge 34 cubic feet per second October 1.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	51	56	54E	68	87	70	97	1,310	2,650	68	55
2	38	58	57	54E	67	85	73	97	1,940	1,310	67	65
3	40	64	56	52E	67	81	72	99	1,760	506	72	64
4	41	65	56	50E	69	80	70	91	1,690	378	78	64
5	46	70	57	52E	73	78	73	101	1,630	229	76	59
6	47	67	58	52E	82	75	74	109	1,040	163	82	58
7	48	63	57	52E	82	72E	73	115	298	128	111	56
8	49	65	57	52E	82	72E	80	122	187	108	117	55
9	48	65	56	50E	79	72E	81	122	143	100	131	51
10	44	73	56	52E	78	70E	82	114	886	94	128	47
11	45	74	56	54E	78	76E	87	639	292	114	252	48
12	44	93	56	56E	75	76E	82	124	205	109	383	48
13	42	83	57	52E	68E	76E	76	95	275	91	243	46
14	39	77	57	54E	62E	76E	97	87	177	80	228	47
15	37	71	58	56E	68E	76E	286	519	125	76	168	47
16	37	65	59	58E	69	79	441	393	113	129	134	46
17	39	61	58	62E	69	80	303	190	109	197	114	45
18	40	59	59	64E	69	80	199	197	113	129	120	44
19	39	58	54E	68E	68	77	155	159	102	152	98	46
20	42	57	39E	70E	68	74	135	228	92	123	84	50
21	41	56	36E	74E	66E	71	118	513	86	96	75	49
22	39	55	35E	74E	66E	75	110	195	87	84	70	49
23	39	56	38E	74E	60E	77	104	480	737	86	67	47
24	39	56	46E	74E	62E	78	102	312	634	89	66	48
25	42	56	50E	72E	72E	80	103	285	488	83	63	47
26	42	56	54E	70E	76	84	102	203	236	87	58	45
27	42	54	56E	66E	81	82	103	134	890	79	55	46
28	43	55	58E	68E	86	77	103	111	1,400	75	54	45
29	46	55	58E	70E	-----	74	101	85	915	76	56	45
30	48	56	56E	66E	-----	71	99	250	858	77	56	44
31	49	-----	54E	68E	-----	69	-----	756	-----	75	55	-----
TOTAL	1,309	1,894	1,660	1,890	2,010	2,380	3,654	7,022	18,818	7,773	3,429	1,506
MEAN	42.2	63.1	53.5	61.0	71.8	76.8	122	227	627	251	111	50.2
MAX	49	93	59	74	86	87	441	756	1,940	2,650	383	65
MIN	34	51	35	50	60	69	70	85	86	75	54	44
AC-FT	2,600	3,760	3,290	3,750	3,990	4,720	7,250	13,930	37,330	15,420	6,800	2,990
CAL YEAR 1998 TOTAL		48,517	MEAN	133	MAX	2,540	MIN	34	AC-FT	96,230		
WTR YEAR 1999 TOTAL		53,345	MEAN	146	MAX	2,650	MIN	34	AC-FT	105,800		

E indicates estimated discharge.

BIG BLUE RIVER BASIN

TURKEY CREEK near Wilber, 06881200 - 1999

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 1,350 cubic feet per second May 18, gage height 11.95 feet; minimum daily discharge 13 cubic feet per second September 15, 26-29.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	29	40	26E	38	42	38	37	309	339	29	17
2	53	113	39	25E	41E	39	39	37	496	534	29	17
3	62	302	38	24E	42E	38	39	37	614	341	29	16
4	106	375	37	25E	42E	37	37	58	303	184	27	15
5	433	287	38	26E	41E	34E	57	68	170	156	26	21
6	148	205	38	26E	40E	33E	79	60	114	248	24	19
7	82	143	37	26E	42E	33E	72	115	85	197	23	17
8	67	127	37	25E	43	36E	55	86	70	173	24	16
9	52	138	36	26E	42	39E	46	57	62	233	23	15
10	44	703	35	28E	42	45E	43	49	57	168	26	15
11	39	476	36	27E	41	50E	40	44	55	135	29	15
12	34	327	36	26E	40	53	38	46	70	100	27	14
13	31	242	36	29E	39	54	36	87	65	78	64	14
14	29	162	37	31E	36	54	92	83	60	65	115	14
15	28	119	38	32	36	55	501	81	68	59	77	13
16	28	89	38	34	36	58	300	230	110	55	41	14
17	29	72	37	38	37	55	181	1,140	93	54	30	14
18	29	60	37	44	36	49	112	1,310	139	54	36	14
19	30	53	37	43	36	45	82	826	102	54	46	14
20	28	50	26E	42	37	41	66	319	71	64	72	14
21	26	47	21E	41	35E	40	57	220	61	53	83	14
22	25	44	24E	39E	35E	41	50	345	57	41	50	14
23	24	43	26E	39E	34E	42	46	433	123	41	33	14
24	24	43	29E	37E	37E	45	43	280	408	46	26	14
25	25	42	31E	36E	38E	43	41	159	474	42	23	14
26	25	40	33	36	40	42	41	115	299	39	21	13
27	26	40	34	36	44	41	42	91	212	40	20	13
28	27	40	34E	36E	45	40	43	77	249	36	19	13
29	28	40	33E	35E	-----	40	42	68	455	32	18	13
30	27	40	31E	38E	-----	40	40	62	324	31	18	14
31	28	-----	26E	37	-----	39	-----	83	-----	32	17	-----
TOTAL	1,690	4,491	1,055	1,013	1,095	1,343	2,398	6,703	5,775	3,724	1,125	444
MEAN	54.5	150	34.0	32.7	39.1	43.3	79.9	216	193	120	36.3	14.8
MAX	433	703	40	44	45	58	501	1,310	614	534	115	21
MIN	24	29	21	24	34	33	36	37	55	31	17	13
AC-FT	3,350	8,910	2,090	2,010	2,170	2,660	4,760	13,300	11,450	7,390	2,230	881
CAL YEAR 1998 TOTAL		44,782	MEAN	123	MAX	4,140	MIN	14	AC-FT	88,830		
WTR YEAR 1999 TOTAL		30,856	MEAN	84.5	MAX	1,310	MIN	13	AC-FT	61,200		

E indicates estimated discharge.

BIG BLUE RIVER BASIN

BIG BLUE RIVER at Beatrice, 06881500 - 1999

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 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 12,100 cubic feet per second May 21, gage height 18.86 feet; minimum daily discharge 261 cubic feet per second September 26.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	341	319	380	400E	337	420E	316	558	4,360	4,170	1,300	300
2	355	729	367	400E	340	410E	326	544	3,820	4,780	618	294
3	354	1,830	365	390E	340E	380E	323	505	5,130	5,920	496	296
4	422	2,280	368	380E	350E	400E	321	420	5,420	6,020	464	344
5	1,550	1,650	364	390E	360E	380E	776	484	4,030	3,240	441	353
6	1,710	1,110	357	400E	350E	370E	1,070	602	3,460	3,410	430	353
7	840	874	356	400E	350E	360E	737	571	3,150	3,700	427	333
8	548	810	358	390E	350E	390E	646	552	2,250	1,930	463	322
9	431	774	368	360E	350E	400E	600	573	1,400	1,650	589	311
10	357	1,630	365	400E	350E	410E	546	544	1,110	1,580	672	288
11	346	3,130	370	390E	370E	420E	520	571	1,140	1,440	824	284
12	351	1,850	370	380E	350E	430E	505	528	3,030	1,200	1,170	273
13	322	1,250	377	390E	350E	427	506	1,100	4,110	1,030	947	272
14	298	995	369	420E	364	421	627	930	4,170	934	1,280	267
15	290	869	372	450E	357	427	5,120	784	2,240	842	1,130	269
16	295	751	384	460E	392	429	4,160	797	1,910	801	973	268
17	307	658	380	480E	398	438	2,230	2,440	1,640	931	794	271
18	294	599	381	500E	397	441	1,640	3,050	1,370	938	705	270
19	292	568	380E	540E	390E	441	1,350	2,600	1,270	927	674	278
20	290	520	360E	560E	380E	406	1,120	2,430	1,100	703	1,200	273
21	286	489	310E	560E	380E	387	952	9,890	959	645	1,110	271
22	288	455	300E	540E	370E	387	832	4,880	866	571	740	269
23	281	444	300E	540E	370E	364	722	3,670	2,870	512	583	266
24	281	431	310E	520E	380E	364	661	2,750	2,370	469	547	266
25	283	416	360E	500E	390E	369	624	2,230	3,060	460	560	262
26	280	415	400E	480E	390E	381	602	1,610	2,960	481	480	261
27	274	404	410E	440E	420	388	594	1,280	2,520	437	404	268
28	288	391	410E	400E	421	373	596	1,070	2,770	420	371	271
29	294	378	410E	370E	-----	370	597	892	4,680	393	345	267
30	295	387	410E	330E	-----	355	577	2,090	5,330	367	310	265
31	291	-----	400E	330E	-----	326	-----	8,910	-----	1,190	308	-----
TOTAL	13,134	27,406	11,411	13,490	10,346	12,264	30,196	59,855	84,495	52,091	21,355	8,585
MEAN	424	914	368	435	370	396	1,007	1,931	2,817	1,680	689	286
MAX	1,710	3,130	410	560	421	441	5,120	9,890	5,420	6,020	1,300	353
MIN	274	319	300	330	337	326	316	420	866	367	308	261
AC-FT	26,050	54,360	22,630	26,760	20,520	24,330	59,890	118,700	167,600	103,300	42,360	17,030

CAL YEAR 1998 TOTAL 311,796 MEAN 854 MAX 7,210 MIN 270 AC-FT 618,400
WTR YEAR 1999 TOTAL 344,628 MEAN 944 MAX 9,890 MIN 261 AC-FT 683,600

E indicates estimated discharge.

LITTLE BLUE RIVER BASIN

BIG SANDY CREEK at Alexandria, 06883940 - 1999

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, except estimated records are poor.

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 2,630 cubic feet per second May 31, gage height 9.45 feet; minimum daily discharge 13 cubic feet per second estimated September 12.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1998 TO SEP 1999

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	22	23	20E	25	23	32	25	1,030	48	76	16
2	28	83	23	20E	24	23	33	27	557	49	66	18
3	26	146	23	21E	24	23	33	25	356	46	59	21
4	28	130	22	19E	25	23	33	23	193	41	57	20
5	62	71	23	22E	25	22	41	40	150	52	52	19
6	37	48	23	23E	27	22	35	55	140	107	56	17
7	31	41	22	22E	27	22E	32	52	121	159	56	15
8	29	36	23	21E	25	22E	32	38	102	80	50	16
9	27	38	22	18E	25	21E	33	32	85	82	47	17
10	26	442	23	21E	24	22E	33	28	78	164	40	15
11	24	212	24	21E	25	22E	33	29	70	91	204	14
12	24	105	24	20E	24	21	32	55	65	64	191	13
13	25	64	24	21E	23	21	31	48	77	53	125	14
14	24	47	25	22	23	22	42	37	57	46	81	15
15	23	38	26	22	23	22	114	47	55	42	52	15
16	24	32	26	23	24	22	53	163	62	48	37	15
17	25	29	26	24	24	22	38	727	54	59	29	15
18	25	27	25	23	25	22	35	421	53	91	34	15
19	25	28	25E	22	24	27	34	174	52	68	47	16
20	25	27	25E	24	23	34	34	448	51	53	47	16
21	22	26	25E	25	21	34	33	1,310	49	46	34	16
22	20	24	17E	24E	22	33	34	546	48	44	26	18
23	21	26	18E	24E	22	32	33	406	59	48	21	17
24	21	25	20E	23E	21	33	32	248	59	48	20	18
25	20	23	21E	23	22	33	33	187	54	47	18	17
26	20	24	20E	23	22	34	34	117	49	48	23	18
27	18	25	20	22	22	33	35	79	106	46	23	18
28	19	24	21	23	22	33	31	63	92	44	20	19
29	20	23	21	24	-----	32	29	50	72	47	21	21
30	20	23	21	24	-----	33	26	283	58	46	18	21
31	21	-----	20E	25	-----	32	-----	1,960	-----	163	17	-----
TOTAL	785	1,909	701	689	663	820	1,103	7,743	4,054	2,070	1,647	505
MEAN	25.3	63.6	22.6	22.2	23.7	26.5	36.8	250	135	66.8	53.1	16.8
MAX	62	442	26	25	27	34	114	1,960	1,030	164	204	21
MIN	18	22	17	18	21	21	26	23	48	41	17	13
AC-FT	1,560	3,790	1,390	1,370	1,320	1,630	2,190	15,360	8,040	4,110	3,270	1,000
CAL YEAR 1998 TOTAL		25,265	MEAN	69.2	MAX	1,100	MIN	12	AC-FT	50,110		
WTR YEAR 1999 TOTAL		22,689	MEAN	62.2	MAX	1,960	MIN	13	AC-FT	45,000		

E indicates estimated discharge.

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