

STATE OF NEBRASKA

**DEPARTMENT OF NATURAL
RESOURCES**

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

2001

**Prepared Under the Direction of Roger K. Patterson, Director
Department of Natural Resources**

2001

HYDROGRAPHIC REPORT

STATE OF NEBRASKA

DEPARTMENT OF NATURAL RESOURCES

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INTRODUCTION and EXPLANATION OF DATA

Most stream gaging data in Nebraska are published in the Nebraska Department of Natural Resource's Hydrographic Report and the Water Resources Data for Nebraska 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 and its cooperators, which includes the Department of Natural 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 2001 provides a record of stream flow, reservoir storage, and diversions for irrigation and power in Nebraska for gages operated by the Nebraska Department of Natural Resources according to statutory authority granted under Statutes 61-208, 61-211, 46-227, 46-256, and 46-261. This report also includes some records for gages operated by agencies other than the Department of Natural Resources and U.S. Geological Survey. These sites and the operating agency are identified in the station headings. Stations are listed in order from upstream to downstream (downstream order) according to the river basin map on the next page. Multiple gages on a canal system are also in downstream order on the canal. The data presented include mean daily discharges for streams and canals and both daily and monthly reservoir storage values. Instantaneous and daily discharge values are expressed in cubic feet per second (cfs), monthly and annual totals are cubic foot per second-days (cfs-days) and acre-feet. Reservoir storage values are in acre-feet. Zero means there is no flow, a blank indicates no record was made. An "E" next to a daily record indicates an estimated value. Estimated values usually result from either a poor stage-discharge relationship due to a backwater condition or a missing or poor gage height record. Headings describe the period of record, type of gage and locations of gage sites by legal coordinates of Section, Township, and Range, East or West of the 6th Principal Meridian. The "Remarks" section for stations operated year round includes a statement on the accuracy of daily records. U.S. Geological Survey criteria are adopted for these accuracy ratings: If 95 percent of daily discharges are within 5 percent of true values the record is rated "excellent," if they are within 10 percent, the rating is "good," within 15 percent is "fair," and less than 15 percent is "poor."

Data may be converted to other common units of measurement using the table of equivalents listed below:

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

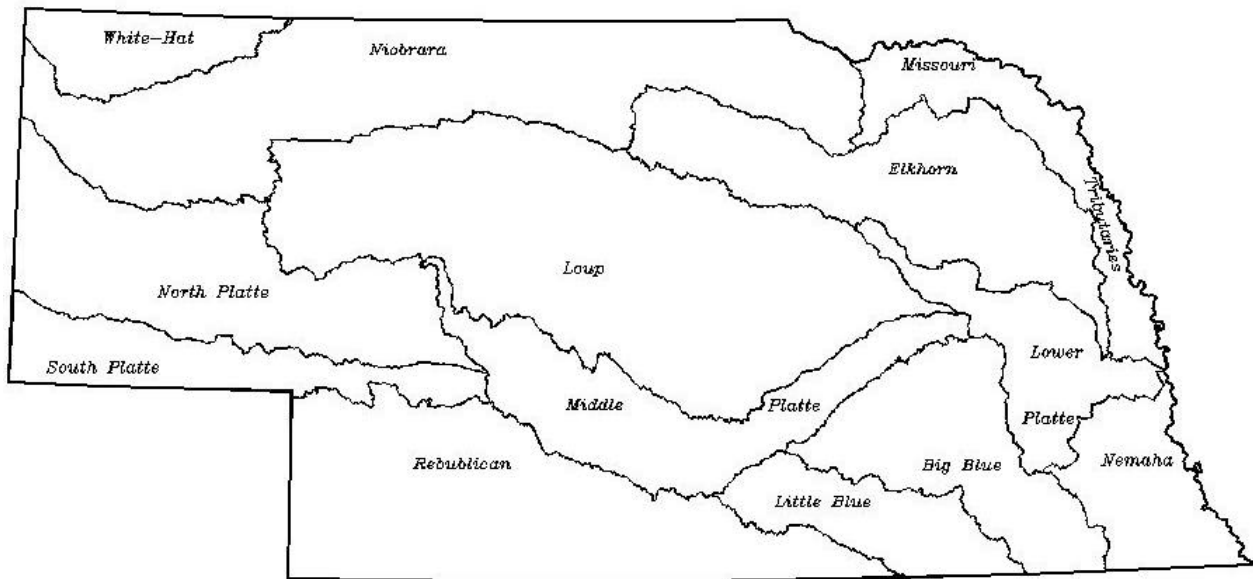
The Hydrographic Report is available on the internet at the department's web page address www.dnr.state.ne.us. Copies of the Hydrographic Report can be obtained by contacting the Nebraska Department of Natural Resources, PO Box 94676, Lincoln, Nebraska 68509-4676 or by E-mail glindeman@dnr.state.ne.us. Questions or comments can be directed to Guy H. Lindeman at this address or call (402) 471-2363.

Gage records from this and previous years publications are also provided on the Nebraska Department of Natural Resources' computerized Data Bank. This information can be obtained on the internet at the Department of Natural Resources web page address www.dnr.state.ne.us or 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

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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

WHITE RIVER BASIN

WHITE RIVER at Crawford, 06444000 - 2001

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.
E indicates estimated daily discharge. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 13,300 cubic feet per second May 10, 1991, gage height 16.32 feet from flood-mark. Discharge calculated by indirect method from road overflow and contracted bridge opening. Minimum daily discharge 2.7 cubic feet per second August 13, 31, September 1, 1960.

EXTREMES FOR CURRENT YEAR.--Peak discharge 370 cubic feet per second August 26, gage height 6.60 feet; minimum daily discharge 9.9 cubic feet per second August 8.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	23	20	20E	22	25	25	25	20	16	12	12
2	14	22	20	20	22	26	25	24	19	18	11	11
3	15	19	20	20	22	26	29	27	20	18	11	10
4	16	19	20	22	22	26	26	27	23	18	9.9	10
5	17	19	20	21	22	26	25	31	28	19	10	9.5
6	19	18	21	21	22	27	25	40	22	15	9.2	9.8
7	18	16	21	21	22	30	25	30	20	15	9.2	18
8	17	18E	21	21	22	29	26	28	20	17	8.5	15
9	17	18	21	21	22E	27	24	27	19	16	9.6	13
10	18	18	18	21	22E	26	24	26	19	21	10	12
11	17	18	19E	21	22E	26	32	26	18	18	10	12
12	17	19E	20E	21	22E	26	30	26	18	16	9.8	12
13	17	21E	22E	21	23	26	25	25	18	15	10	12
14	17	23	22E	21	23	26	24	23	18	16	10	13
15	17	21	22E	20	23E	28	23	23	19	15	11	15
16	17	21	22E	20	24	27	24	24	18	14	10	15
17	17	22	21E	21E	23	27	23	23	18	13	10	14
18	17	22	20E	21E	24	28	23	22	17	12	9.6	15
19	17	20	21E	21	25	30	23	23	17	12	9.3	15
20	17	22	21	21	26	30	23	24	18	12	9.1	13
21	17	23	21E	21	25	29	26	25	18	12	9.7	13
22	18	20	21E	21	35	29	30	23	17	12	9.0	13
23	18	20	21	21	39	28	31	23	17	11	9.9	13
24	18	20	21	21	28	27	36	22	18	12	10	14
25	18	20	21	21	25	26	34	22	17	12	11	13
26	18	20	21E	21	25	26	28	21	17	11	69	13
27	18	21	20	22	24	26	26	21	17	13	17	12
28	19	21	22	22	24	26	26	21	16	13	15	12
29	21	20	21	22	-----	25	25	21	15	11	13	13
30	20	20	20	23	-----	26	25	22	16	11	12	14
31	19	-----	20	21	-----	26	-----	22	-----	12	12	-----
TOTAL	539	604	641	652	680	836	791	767	557	446	386.8	386.3
MEAN	17.4	20.1	20.7	21.0	24.3	27.0	26.4	24.7	18.6	14.4	12.5	12.9
MAX	21	23	22	23	39	30	36	40	28	21	69	18
MIN	14	16	18	20	22	25	23	21	15	11	8.5	9.5
AC-FT	1,070	1,200	1,270	1,290	1,350	1,660	1,570	1,520	1,100	885	767	766

CAL YEAR 2000 TOTAL 7,558.10 MEAN 20.7 MAX 68 MIN 9.0 AC-FT 14,990
WTR YEAR 2001 TOTAL 7,286.10 MEAN 20.0 MAX 69 MIN 8.5 AC-FT 14,450

E indicates estimated discharge.

WHITE RIVER BASIN

WHITNEY RESERVOIR from White River, 00410000 - 2001

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

GAGE.--Staff gage

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

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12	5,770											
13												
14												
15												
16												
17												
18												
19												
20												5,770
21												
22												
23						10,835				9,068		
24												
25												
26												
27								10,882				
28												
29												
30												
31											6,257	

NIOBRARA RIVER BASIN

NIOBRARA RIVER at Wyoming-Nebraska State Line, 06454000 - 2001

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. Records are good, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 11 cubic feet per second May 6, gage height 2.76 feet; maximum gage height 3.01 feet December 16 due to backwater from ice conditions; minimum daily discharge 1.6 cubic feet per second August 29 - September 5.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	4.8	2.7	3.0	2.9	3.6	5.9	5.8	3.0	2.5	1.9	1.7
2	2.3	3.9	2.7	3.0	3.0	3.7	5.8	5.5	3.0	2.6	1.9	1.6
3	2.3	3.3	2.7	3.2	3.0	3.9	6.1	6.0	3.5	2.4	1.8	1.6
4	2.4	3.1	2.7	3.4	3.0	4.2	6.2	6.0	4.4	2.4	1.8	1.6
5	2.5	3.1	2.8	3.3	3.1	4.2	6.0	7.1	4.9	2.3	1.8	1.7
6	2.4	2.9	2.9	3.3	3.1	4.5	5.9	9.0	4.0	2.2	1.8	1.8
7	2.5	3.2	3.0	3.2	3.1	6.5	5.6	7.3	3.9	2.4	1.8	2.0
8	2.4	3.1	3.0	3.1	3.0	6.8	5.2	6.6	3.9	2.5	1.8	2.0
9	2.4	3.2	3.0	3.0	3.1	6.4	4.9	5.8	3.7	2.6	1.8	2.0
10	2.5	3.2	2.7	3.0	3.1	6.7	5.0	5.3	3.6	3.1	1.8	2.0
11	2.5	3.3	3.0	3.1	3.2	6.0	6.6	5.0	3.3	3.4	1.8	1.9
12	2.4	3.2	2.8	3.1	3.2	5.9	6.6	4.9	3.2	2.9	1.8	1.9
13	2.5	3.1	2.7	3.1	3.2	5.4	6.7	4.8	3.0	2.6	1.8	2.0
14	2.5	3.2	2.7	3.1	3.1	5.3	6.0	4.6	3.0	2.5	1.9	2.0
15	2.4	3.2	2.7E	3.0	3.1	5.9	5.4	4.4	2.9	2.5	2.0	2.3
16	2.3	3.0	2.6E	2.9	3.1	4.3	5.1	4.3	2.8	2.4	1.9	2.2
17	2.4	2.9	2.6E	2.9	3.2	4.4	5.0	4.1	2.9	2.2	1.8	2.3
18	2.4	3.0	2.7E	3.0	3.3	5.2	5.2	4.0	2.8	2.1	1.8	2.7
19	2.4	3.1	3.0E	3.0	3.5	5.7	5.3	4.1	2.8	2.1	1.8	2.3
20	2.4	2.9	3.0E	3.1	3.5	5.9	5.1	3.9	2.8	2.0	1.8	2.1
21	2.5	2.8	3.0	3.0	3.5E	6.3	5.3	3.6	2.7	2.0	1.8	2.1
22	2.6	2.8	2.9	3.1	3.5E	6.3	6.1	3.5	2.6	1.9	1.8	2.1
23	2.6	2.8	2.9	3.1	3.6E	6.0	7.0	3.4	2.7	2.1	1.8	2.0
24	2.6	2.8	2.9	3.1	3.7	5.5	8.1	3.2	2.6	2.9	1.7	2.1
25	3.2	2.8	3.0	3.1	3.6	5.7	9.5	3.2	2.6	2.2	1.7	2.1
26	2.8	2.8	2.9	3.1	3.6	5.9	7.9	3.2	2.6	2.2	1.7	2.1
27	2.7	2.8E	2.9	3.0	3.5	6.1	6.7	3.2	2.6	2.2	1.7	2.1
28	2.8	2.8E	3.0	3.1	3.6	6.1	6.1	3.2	2.5	2.0	1.7	2.1
29	2.9	2.8E	3.0	3.1E	-----	5.9	5.9	3.4	2.5	2.0	1.6	2.2
30	2.8	2.7E	3.0	3.0E	-----	6.2	5.9	3.5	2.5	2.0	1.6	2.2
31	3.0	-----	3.0	3.0	-----	6.1	-----	3.2	-----	1.9	1.6	-----
TOTAL	78.7	92.6	88.5	95.5	91.4	170.6	182.1	145.1	93.3	73.1	55.3	60.8
MEAN	2.54	3.09	2.85	3.08	3.26	5.50	6.07	4.68	3.11	2.36	1.78	2.03
MAX	3.2	4.8	3.0	3.4	3.7	6.8	9.5	9.0	4.9	3.4	2.0	2.7
MIN	2.3	2.7	2.6	2.9	2.9	3.6	4.9	3.2	2.5	1.9	1.6	1.6
AC-FT	156	184	176	189	181	338	361	288	185	145	110	121
CAL YEAR 2000 TOTAL		1,341.00	MEAN	3.66	MAX	13	MIN	1.3	AC-FT	2,660		
WTR YEAR 2001 TOTAL		1,227.00	MEAN	3.36	MAX	9.5	MIN	1.6	AC-FT	2,430		

E indicates estimated discharge.

NIOBRARA RIVER BASIN

JOHNSON CANAL from Niobrara River, 00072000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	0	0	0	0	0	0	2.6	0	0	0	0
2	2.1	0	0	0	0	0	0	2.7	0	0	0	0
3	2.1	0	0	0	0	0	0	2.8	0	0	0	0
4	2.3	0	0	0	0	0	0	2.7	0	0	0	0
5	2.4	0	0	0	0	0	0	2.8	0	0	0	.73
6	2.7	0	0	0	0	0	0	2.7	0	0	0	.73
7	2.7	0	0	0	0	0	0	2.6	0	0	0	.77
8	2.8	0	0	0	0	0	0	2.6	0	0	0	.82
9	2.8	0	0	0	0	0	0	2.5	0	0	0	.82
10	2.8	0	0	0	0	0	0	2.6	0	0	0	.91
11	2.5 E	0	0	0	0	0	0	2.8	0	0	0	.81
12	2.5 E	0	0	0	0	0	0	3.0	0	0	0	.60
13	2.5 E	0	0	0	0	0	0	2.7	0	0	0	.60
14	2.5 E	0	0	0	0	0	0	2.8	0	0	0	1.2
15	2.5 E	0	0	0	0	0	0	2.9	0	0	0	2.0
16	2.6 E	0	0	0	0	0	0	2.6	0	0	0	1.8
17	2.6 E	0	0	0	0	0	0	2.6	0	0	0	1.6
18	2.7 E	0	0	0	0	0	0	2.6	0	0	0	2.0
19	2.7 E	0	0	0	0	0	0	2.7	0	0	0	2.7
20	2.6 E	0	0	0	0	0	0	2.8	0	0	0	2.7
21	2.5 E	0	0	0	0	0	0	2.8	0	0	0	2.8
22	2.4 E	0	0	0	0	0	0	2.5	0	0	0	2.7
23	2.1 E	0	0	0	0	0	0	1.3	0	0	0	2.7
24	.79	0	0	0	0	0	0	0	0	0	0	2.6
25	0	0	0	0	0	0	0	0	0	0	0	2.6
26	0	0	0	0	0	0	0	0	0	0	0	2.4
27	0	0	0	0	0	0	0	0	0	0	0	2.4
28	0	0	0	0	0	0	0	0	0	0	0	2.4
29	0	0	0	0	-----	0	0	0	0	0	0	2.3
30	0	0	0	0	-----	0	2.4	0	0	0	0	2.3
31	0	-----	0	0	-----	0	-----	0	-----	0	0	-----
TOTAL	58.29	0	0	0	0	0	2.4	60.7	0	0	0	45.99
MEAN	1.88	0	0	0	0	0	.080	1.96	0	0	0	1.53
MAX	2.8	0	0	0	0	0	2.4	3.0	0	0	0	2.8
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	116	0	0	0	0	0	4.8	120	0	0	0	91
CAL YEAR 2000 MAX		3.7	MIN	0	AC-FT	397						
WTR YEAR 2001 MAX		3.0	MIN	0	AC-FT	332						

E indicates estimated discharge.

NIOBRARA RIVER BASIN

LAKOTAH CANAL from Niobrara River, 00079000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								3.8	2.5	.58	.78	.73
2								3.5	2.1	.58	.73	.41
3								3.7	2.1	.63	.68	.01
4								3.9	2.6	.63	.63	0
5								4.6	3.2	.58	.63	0
6								5.6	3.0	.50	.58	0
7								5.4	3.1	.45	.55	0
8								5.8	3.4	.54	.50	0
9								5.0	3.0	.78	.45	0
10								4.5	2.6	1.4	.50	0
11								4.0	2.2	2.4	.68	0
12								2.9	2.1	2.2	.68	0
13								2.1	2.1	1.7	.73	0
14								1.8	2.0	1.6	.83	0
15								1.5	1.9	1.5	.89	0
16								1.3	1.8	1.4	.94	0
17								1.2	1.7	1.2	.94	0
18								1.1	1.5	1.1	.89	0
19								.94	1.5	1.0	.89	0
20							0	.94	1.4	1.0	.83	0
21							0	1.0	1.4	.94	.83	0
22							0	1.0	1.3	.80	.78	0
23							0	1.3	1.2	.78	.78	0
24							1.6E	2.1	1.1	.80	.78	0
25							2.4E	2.4	1.1	1.1	.78	
26							3.3E	2.4	.91	1.0	.78	
27							3.8E	2.2	.89	1.1	.78	
28							3.8E	2.2	.78	1.3	.78	
29					-----		3.8E	2.4	.68	1.1	.78	
30					-----		3.8	2.5	.63	.94	.73	
31		-----			-----		-----	2.6	-----	.83	.73	-----
TOTAL							22.5	85.68	55.79	32.46	22.86	1.15
MEAN							2.05	2.76	1.86	1.05	.74	.048
MAX							3.8	5.8	3.4	2.4	.94	.73
MIN							0	.94	.63	.45	.45	0
AC-FT							45	170	111	64	45	2.3
CAL YEAR 2000	MAX	6.8	MIN	0	AC-FT	616						
WTR YEAR 2001	MAX	5.8	MIN	0	AC-FT	437						

E indicates estimated discharge.

NIOBRARA RIVER BASIN

EARNEST CANAL (SOUTH) from Niobrara River, 00038100 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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No water diverted in 2001.

NIOBRARA RIVER BASIN

EARNEST CANAL (NORTH) from Niobrara River, 00038200 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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No water diverted in 2001.

NIOBRARA RIVER BASIN

McGINLEY-STOVER CANAL from Niobrara River, 00084000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								4.3	1.2	2.6	1.5	0
2								4.4	1.2	2.6	1.3	0
3								3.7	.32	2.6	1.3	0
4								3.2	0	2.5	.43	0
5								2.9	0	1.9	0	0
6								3.9	0	0	0	0
7								4.9	0	0	0	0
8								4.7	0	0	0	0
9								4.5	0	0	0	0
10								4.6	0	0	0	0
11								5.1	0	0	0	0
12								5.3	0	0	0	0
13								5.3	0	0	0	0
14								4.0	0	0	0	0
15								4.0	0	0	0	0
16								3.9	0	0	0	0
17								3.6	0	0	0	0
18								3.6	0	0	0	0
19								3.8	.99	0	0	0
20								3.7	2.6	.20	0	0
21								3.5	2.1	1.6	0	0
22								3.3	1.9	1.6	0	0
23								3.2	1.6	1.7	0	.51
24								2.9	1.9	1.9	0	1.7
25								2.9	2.2	1.8	0	1.8
26								2.1	2.1	1.8	0	1.9
27								1.5	1.8	1.6	0	1.9
28								1.5	1.8	1.5	0	1.8
29					-----			1.4	1.7	1.6	0	1.8
30					-----		3.9	1.3	1.9	1.8	0	1.8
31		-----			-----		-----	1.3	-----	1.6	0	-----
TOTAL							3.9	108.3	25.31	30.90	4.53	13.21
MEAN							3.90	3.49	.84	1.00	.15	.44
MAX							3.9	5.3	2.6	2.6	1.5	1.9
MIN							3.9	1.3	0	0	0	0
AC-FT							7.7	215	50	61	9.0	26
CAL YEAR 2000	MAX	8.7	MIN	0	AC-FT	364						
WTR YEAR 2001	MAX	5.3	MIN	0	AC-FT	369						

NIOBRARA RIVER BASIN

COOK CANAL NO. 1 from Niobrara River, 00029000 - 2001

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 2000 TO SEP 2001

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	0	0	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	.42
19	0	0	0	0	0	0	0	0	0	0	0	.92
20	0	0	0	0	0	0	0	0	0	0	0	1.2
21	0	0	0	0	0	0	0	0	0	0	0	1.6
22	0	0	0	0	0	0	0	0	0	0	0	1.6
23	0	0	0	0	0	0	0	0	0	0	0	1.6
24	0	0	0	0	0	0	0	0	0	0	0	1.4
25	0	0	0	0	0	0	0	0	0	0	0	1.3
26	0	0	0	0	0	0	0	0	0	0	0	1.2
27	0	0	0	0	0	0	0	0	0	0	0	1.2
28	0	0	0	0	0	0	0	0	0	0	0	1.3
29	0	0	0	0	-----	0	0	0	0	0	0	1.3
30	0	0	0	0	-----	0	0	0	0	0	0	1.3
31	0	-----	0	0	-----	0	-----	0	-----	0	0	-----
TOTAL	0	0	0	0	0	0	0	0	0	0	0	16.34
MEAN	0	0	0	0	0	0	0	0	0	0	0	.54
MAX	0	0	0	0	0	0	0	0	0	0	0	1.6
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	0	0	0	0	32
CAL YEAR 2000	MAX	0	MIN	0	AC-FT	0						
WTR YEAR 2001	MAX	1.6	MIN	0	AC-FT	32						

NIOBRARA RIVER BASIN

HARRIS-NEECE CANAL from Niobrara River, 00062000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1								0	7.6	6.2	4.7	4.5	
2								0	7.8	6.1	4.6	4.7	
3								0	8.4	6.3	4.6	6.3	
4								0	9.1	6.6	4.7	5.0	
5								0	9.3	6.7	4.8	4.9	
6								0	9.0	6.8	5.1	5.3	
7								1.3	8.7	7.9	5.1	6.3	
8								8.0	8.5	8.5	5.1	6.7	
9								7.3	8.3	9.2	5.2	6.4	
10								7.6	8.2	12	5.4	6.2	
11								8.1	7.9	12	5.5	6.0	
12								8.6	7.6	12	5.9	6.0	
13								9.2	7.5	12	6.0	6.6	
14								9.4	7.5	8.6	5.9	6.9	
15								9.9	7.6	7.4	6.4	7.6	
16								9.6	7.5	6.9	6.3	8.5	
17								9.2	7.4	6.6	6.3	8.5	
18								8.0	3.2	7.4	6.1	4.4	
19								7.4	0	7.2	6.2	0	
20								7.1	0	7.0	6.0	0	
21								7.0	0	6.9	6.0	0	
22								8.2	1.8	6.3	5.9	0	
23								8.0	5.9	5.7	5.9	0	
24								0	8.0	5.9	5.7	0	
25								0	8.5	6.1	5.3	0	
26								0	8.3	5.4	5.2	6.5	
27								0	7.8	5.3	5.2	6.2	
28								0	7.8	5.8	5.3	6.0	
29					-----			0	7.9	6.4	5.2	5.8	
30					-----			0	7.8	6.7	4.8	4.3	
31		-----			-----		-----	7.7	-----	4.7	4.3	-----	
TOTAL								0	197.7	190.4	223.7	173.8	110.8
MEAN								0	6.38	6.35	7.22	5.61	4.43
MAX								0	9.9	9.3	12	6.5	8.5
MIN								0	0	0	4.7	4.3	0
AC-FT								0	392	378	444	345	220
CAL YEAR 2000	MAX	12	MIN	0	AC-FT	1,620							
WTR YEAR 2001	MAX	12	MIN	0	AC-FT	1,780							

NIOBRARA RIVER BASIN

LABELLE CANAL from Niobrara River, 00078000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								.76	0	0	0	0
2								.52	0	0	0	0
3								.52	0	0	0	0
4							0	.52	0	0	0	0
5							0	.59	0	0	0	0
6							0	.84	0	0	0	0
7							0	.92	0	0	0	0
8							0	.78	0	0	0	0
9							0	.71	0	0	0	0
10							0	.44	0	0	0	0
11							0	.17	0	0	0	0
12							0	.07	0	0	0	0
13							0	0	0	0	0	0
14							0	0	0	0	0	0
15							0	0	0	0	0	0
16							0	0	0	0	0	0
17							0	0	0	0	0	0
18							0	0	0	0	0	0
19							0	0	0	0	0	0
20							0	0	0	0	0	0
21							0	0	0	0	0	0
22							0	0	0	0	0	0
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					-----		.30	0	0	0	0	0
31		-----			-----		-----	0	-----	0	0	-----
TOTAL							0.30	6.84	0	0	0	0
MEAN							.011	.22	0	0	0	0
MAX							.30	.92	0	0	0	0
MIN							0	0	0	0	0	0
AC-FT							.6	14	0	0	0	0
CAL YEAR 2000	MAX	0	MIN	0	AC-FT	0						
WTR YEAR 2001	MAX	.92	MIN	0	AC-FT	14						

NIOBRARA RIVER BASIN

METTLEN CANAL from Niobrara River, 00089000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	0	0	0	0	0	0	0	2.6	0	1.5	3.3
2	0	0	0	0	0	0	0	0	2.7	0	1.3	3.0
3	0	0	0	0	0	0	0	0	2.7	0	1.1	2.1
4	0	0	0	0	0	0	0	0	2.8	0	1.7	1.4
5	0	0	0	0	0	0	0	0	4.2	0	1.9	1.2
6	0	0	0	0	0	0	0	0	3.3	0	1.1	.51
7	0	0	0	0	0	0	0	0	3.1	0	1.7	1.0
8	0	0	0	0	0	0	0	0	3.1	0	1.5	1.1
9	0	0	0	0	0	0	0	0	2.8	0	1.5	.91
10	0	0	0	0	0	0	0	0	2.9	0	2.8	.86
11	0	0	0	0	0	0	0	0	.98	0	1.3	.75
12	0	0	0	0	0	0	0	0	0	0	3.5	.38
13	0	0	0	0	0	0	0	0	0	0	2.9	.27
14	0	0	0	0	0	0	0	0	0	0	1.4	.98
15	0	0	0	0	0	0	0	.30	0	0	1.6	1.5
16	0	0	0	0	0	0	0	4.4	0	0	.95	1.1
17	0	0	0	0	0	0	0	3.3	0	0	.08	1.8
18	0	0	0	0	0	0	0	2.9	0	0	.96	1.8
19	0	0	0	0	0	0	0	2.8	1.9	0	1.1	1.3
20	0	0	0	0	0	0	0	2.6	6.5	.74	.92	3.0
21	0	0	0	0	0	0	0	2.7	6.7	2.9	.94	3.1
22	0	0	0	0	0	0	0	2.7	6.3	2.4	1.5	3.1
23	0	0	0	0	0	0	0	2.3	5.0	2.5	1.7	3.2
24	0	0	0	0	0	0	0	2.0	3.2	2.1	1.8	2.6
25	0	0	0	0	0	0	0	1.9	3.2	2.0	3.7	0
26	0	0	0	0	0	0	0	1.9	3.2	1.7	3.9	0
27	0	0	0	0	0	0	0	2.0	1.7	2.1	3.0	0
28	0	0	0	0	0	0	0	1.9	0	2.0	2.9	0
29	0	0	0	0	-----	0	0	2.1	0	1.8	2.5	0
30	0	0	0	0	-----	0	0	2.2	0	1.9	2.2	0
31	0	-----	0	0	-----	0	-----	1.9	-----	1.7	2.0	-----
TOTAL	1.4	0	0	0	0	0	0	39.90	68.88	23.84	56.95	40.26
MEAN	.045	0	0	0	0	0	0	1.29	2.30	.77	1.84	1.34
MAX	1.4	0	0	0	0	0	0	4.4	6.7	2.9	3.9	3.3
MIN	0	0	0	0	0	0	0	0	0	0	.08	0
AC-FT	2.8	0	0	0	0	0	0	79	137	47	113	80
CAL YEAR 2000	MAX	6.9	MIN	0	AC-FT	609						
WTR YEAR 2001	MAX	6.7	MIN	0	AC-FT	459						

BENNETT-KAY CANAL from Niobrara River, 00013000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	0	0	0	0	0	0	0	1.6	1.2	1.8	0
2	2.5	0	0	0	0	0	0	0	1.6	1.2	1.7	0
3	2.6	0	0	0	0	0	0	0	1.6	1.2	1.6	0
4	2.6	0	0	0	0	0	0	0	1.7	1.2	1.4	0
5	2.6	0	0	0	0	0	0	0	1.9	1.3	1.2	0
6	2.6	0	0	0	0	0	0	0	2.0	1.3	1.3	0
7	2.7	0	0	0	0	0	0	0	1.9	1.2	1.2	0
8	2.7	0	0	0	0	0	0	0	.44	1.3	1.1	0
9	2.7	0	0	0	0	0	0	0	0	1.5	.56	0
10	2.7	0	0	0	0	0	0	0	0	2.0	1.0	0
11	2.7	0	0	0	0	0	0	0	0	2.0	.44	0
12	2.8	0	0	0	0	0	0	0	0	1.8	0	0
13	2.7	0	0	0	0	0	0	0	0	.64	0	0
14	2.7	0	0	0	0	0	0	0	0	0	0	0
15	2.7	0	0	0	0	0	0	0	0	0	0	0
16	2.8	0	0	0	0	0	0	0	0	0	0	0
17	2.8	0	0	0	0	0	0	0	0	0	0	0
18	.59	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	.61	0	0	0
20	0	0	0	0	0	0	0	0	1.7	1.8	0	0
21	0	0	0	0	0	0	0	0	1.5	3.0	0	0
22	0	0	0	0	0	0	0	0	1.4	2.6	0	0
23	0	0	0	0	0	0	0	0	1.4	1.1	0	0
24	0	0	0	0	0	0	0	.57	1.4	0	0	0
25	0	0	0	0	0	0	0	2.0	1.5	1.1	0	0
26	0	0	0	0	0	0	0	2.0	1.2	.43	0	0
27	0	0	0	0	0	0	0	2.0	1.2	1.9	0	0
28	0	0	0	0	0	0	0	2.0	1.2	1.8	0	0
29	0	0	0	0	-----	0	0	2.0	1.2	1.6	0	0
30	0	0	0	0	-----	0	0	1.9	1.2	1.6	0	0
31	0	-----	0	0	-----	0	-----	1.8	-----	1.9	0	0
TOTAL	45.59	0	0	0	0	0	0	14.27	28.25	36.67	13.30	0
MEAN	1.47	0	0	0	0	0	0	.46	.94	1.18	.43	0
MAX	2.8	0	0	0	0	0	0	2.0	2.0	3.0	1.8	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	90	0	0	0	0	0	0	28	56	73	26	0
CAL YEAR 2000	MAX	5.3	MIN	0	AC-FT	340						
WTR YEAR 2001	MAX	3.0	MIN	0	AC-FT	274						

NIOBRARA RIVER BASIN

MOORE - KAY CANAL from Niobrara River, 00104000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	.89	0	.83	0	.43
2	0	0	0	0	0	0	0	.56	0	.89	0	.46
3	0	0	0	0	0	0	0	.62	.12	.83	0	.52
4	0	0	0	0	0	0	0	.88	.27	.81	0	.65
5	0	0	0	0	0	0	0	1.2	3.3	.50	0	.65
6	0	0	0	0	0	0	0	2.0	3.6	.19	0	.73
7	0	0	0	0	0	0	0	2.5	3.6	.24	0	.83
8	0	0	0	0	0	0	0	2.1	3.7	.33	0	.86
9	0	0	0	0	0	0	0	1.0	4.2	.50	0	.87
10	0	0	0	0	0	0	0	.36	3.8	1.6	0	.87
11	0	0	0	0	0	0	0	.07	3.4	.68	0	.80
12	0	0	0	0	0	0	0	0	3.5	0	0	.87
13	0	0	0	0	0	0	0	0	2.5	0	0	1.0
14	0	0	0	0	0	0	0	0	.65	0	0	1.0
15	0	0	0	0	0	0	0	0	.70	0	0	1.2
16	0	0	0	0	0	0	0	0	.65	0	0	1.2
17	0	0	0	0	0	0	0	0	.60	0	.23	1.2
18	0	0	0	0	0	0	0	0	.46	0	.55	1.2
19	0	0	0	0	0	0	0	0	.52	0	.60	1.1
20	0	0	0	0	0	0	0	0	.30	0	.60	.84
21	0	0	0	0	0	0	0	0	.12	0	.60	.98
22	0	0	0	0	0	0	0	0	.15	0	.78	1.0
23	0	0	0	0	0	0	0	0	.15	0	1.0	.95
24	0	0	0	0	0	0	3.8	0	.09	0	.74	.99
25	0	0	0	0	0	0	3.6	0	.74	0	.77	.91
26	0	0	0	0	0	0	3.0	0	1.3	0	.70	.92
27	0	0	0	0	0	0	2.3	0	1.2	0	.60	3.5
28	0	0	0	0	0	0	1.8	0	.92	0	.55	4.5
29	0	0	0	0	-----	0	1.4	0	.87	0	.52	4.3
30	0	0	0	0	-----	0	1.2	0	.81	0	.49	4.1
31	0	-----	0	0	-----	0	-----	0	-----	0	.46	-----
TOTAL	0	0	0	0	0	0	17.1	12.18	42.22	7.40	9.19	39.43
MEAN	0	0	0	0	0	0	.57	.39	1.41	.24	.30	1.31
MAX	0	0	0	0	0	0	3.8	2.5	4.2	1.6	1.0	4.5
MIN	0	0	0	0	0	0	0	0	0	0	0	.43
AC-FT	0	0	0	0	0	0	34	24	84	15	18	78
CAL YEAR 2000	MAX	5.8	MIN	0	AC-FT	214						
WTR YEAR 2001	MAX	4.5	MIN	0	AC-FT	253						

NIOBRARA RIVER BASIN

GEO. HITSHEW CANAL from Niobrara river, 00063000 - 2001

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 2000 TO SEP 2001

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	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	2.1	1.0	0	0	0
11	0	0	0	0	0	0	0	3.5	1.0	0	0	0
12	0	0	0	0	0	0	0	.70	.96	0	0	0
13	0	0	0	0	0	0	0	.21	1.3	0	0	0
14	0	0	0	0	0	0	0	0	1.4	0	0	0
15	0	0	0	0	0	0	0	0	1.1	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	.18	0	0	0	0
25	0	0	0	0	0	0	0	.24	0	0	0	0
26	0	0	0	0	0	0	0	.39	0	0	0	0
27	0	0	0	0	0	0	0	.25	0	0	0	0
28	0	0	0	0	0	0	0	.18	0	0	0	0
29	0	0	0	0	-----	0	0	.12	0	0	0	0
30	0	0	0	0	-----	0	0	0	0	0	0	0
31	0	-----	0	0	-----	0	-----	0	-----	0	0	0
TOTAL	0	0	0	0	0	0	0	7.87	6.76	0	0	0
MEAN	0	0	0	0	0	0	0	.25	.23	0	0	0
MAX	0	0	0	0	0	0	0	3.5	1.4	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	16	13	0	0	0
CAL YEAR 2000	MAX	0	MIN	0	AC-FT	0						
WTR YEAR 2001	MAX	3.5	MIN	0	AC-FT	29						

NIOBRARA RIVER BASIN

McLAUGHLIN CANAL from Niobrara River, 00086000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	0	1.9	2.0	0
2								0	0	2.1	1.9	0
3								0	0	2.2	1.6	0
4								0	0	2.1	1.3	0
5								0	0	2.2	.97	0
6								0	0	2.2	.94	0
7								0	0	2.4	.86	0
8								0	0	3.2	.79	0
9								0	0	3.4	.80	0
10								0	0	3.2	1.0	0
11								0	0	3.4	1.1	0
12								0	0	4.1	1.1	0
13								0	0	3.2	1.6	0
14								0	0	3.2	1.5	0
15								0	0	3.2	.58	0
16								0	0	3.2	0	0
17								0	1.7	3.1	0	0
18								0	3.7	3.0	0	0
19								0	3.7	3.2	0	0
20								0	3.6	3.3	0	0
21								0	3.6	3.0	0	0
22								0	3.2	2.7	0	0
23								0	3.3	2.4	0	0
24								0	3.2	2.2	0	0
25								0	3.1	2.1	0	0
26								0	2.5	2.1	0	0
27								0	2.4	2.1	0	0
28								0	2.3	2.2	0	0
29					-----			0	2.1	1.9	0	0
30					-----			0	2.0	1.8	0	0
31		-----			-----		-----	0	-----	1.9	0	-----
TOTAL								0	40.4	82.2	18.04	0
MEAN								0	1.35	2.65	.58	0
MAX								0	3.7	4.1	2.0	0
MIN								0	0	1.8	0	0
AC-FT								0	80	163	36	0
CAL YEAR 2000	MAX	4.3	MIN	0	AC-FT	400						
WTR YEAR 2001	MAX	4.1	MIN	0	AC-FT	279						

NIOBRARA RIVER BASIN

EXCELSIOR CANAL from Niobrara River, 00046000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	2.3	0	0	0
2								0	2.1	0	0	0
3								0	2.0	0	0	0
4								0	2.4	0	0	0
5								0	3.1	0	0	0
6								0	2.8	0	0	0
7								0	2.4	0	0	0
8								0	2.3	.01	0	0
9								0	2.2	.27	0	0
10								0	1.9	1.1	0	0
11								0	1.8	1.1	0	0
12								0	1.7	.99	0	0
13								0	1.8	.87	0	0
14								0	1.9	.83	0	0
15								0	2.0	.80	0	0
16								0	2.3	.28	0	0
17								0	1.9	0	0	0
18								0	1.3	0	0	0
19								0	1.4	0	0	0
20								0	1.5	0	0	0
21								1.0	1.5	0	0	0
22								2.3	1.0	0	0	0
23								2.3	.44	0	0	0
24								2.0	.37	0	0	0
25								1.6	.09	0	0	0
26								1.3	0	0	0	0
27								.99	0	0	0	0
28								.79	0	0	0	0
29					-----			.68	0	0	0	0
30					-----			.58	0	0	0	0
31												
TOTAL								15.24	44.50	6.25	0	0
MEAN								.49	1.48	.20	0	0
MAX								2.3	3.1	1.1	0	0
MIN								0	0	0	0	0
AC-FT								30	88	12	0	0
CAL YEAR 2000	MAX	8.4	MIN	0	AC-FT	299						
WTR YEAR 2001	MAX	3.1	MIN	0	AC-FT	131						

NIOBRARA RIVER BASIN

HUGHES CANAL from Niobrara River, 00069000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	.20	0	0	0
2	0	0	0	0	0	0	0	0	.20	0	0	0
3	0	0	0	0	0	0	0	0	.19	0	0	0
4	0	0	0	0	0	0	0	0	.33	0	0	0
5	0	0	0	0	0	0	0	0	.61	0	0	0
6	0	0	0	0	0	0	0	0	.59	0	0	0
7	0	0	0	0	0	0	0	0	.53	0	0	0
8	0	0	0	0	0	0	0	0	.50	0	0	0
9	0	0	0	0	0	0	0	0	.40	0	0	0
10	0	0	0	0	0	0	0	0	.36	0	0	0
11	0	0	0	0	0	0	0	0	.29	0	0	0
12	0	0	0	0	0	0	0	0	.24	0	0	0
13	0	0	0	0	0	0	0	0	.21	0	0	0
14	0	0	0	0	0	0	0	0	.21	0	0	0
15	0	0	0	0	0	0	0	0	.28	0	0	0
16	0	0	0	0	0	0	0	0	.34	0	0	0
17	0	0	0	0	0	0	0	0	.35	0	0	0
18	0	0	0	0	0	0	0	0	.15	0	0	0
19	0	0	0	0	0	0	0	0	.13	0	0	0
20	0	0	0	0	0	0	0	0	.19	0	0	0
21	0	0	0	0	0	0	0	.29	.22	0	0	0
22	0	0	0	0	0	0	0	.57	.26	0	0	0
23	0	0	0	0	0	0	0	.57	.27	0	0	0
24	0	0	0	0	0	0	0	.56	.29	0	0	0
25	0	0	0	0	0	0	0	.58	.39	0	0	0
26	0	0	0	0	0	0	0	.48	.43	0	0	0
27	0	0	0	0	0	0	0	.32	.41	0	0	0
28	0	0	0	0	0	0	0	.48	0	0	0	0
29	0	0	0	0	-----	0	0	.53	0	0	0	0
30	0	0	0	0	-----	0	0	.40	0	0	0	0
31	0	-----	0	0	-----	0	-----	.22	-----	0	0	0
TOTAL	0	0	0	0	0	0	0	5.00	8.57	0	0	0
MEAN	0	0	0	0	0	0	0	.16	.29	0	0	0
MAX	0	0	0	0	0	0	0	.58	.61	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	9.9	17	0	0	0
CAL YEAR 2000	MAX	3.9	MIN	0	AC-FT	124						
WTR YEAR 2001	MAX	.61	MIN	0	AC-FT	27						

NIOBRARA RIVER BASIN

PIONEER CANAL from Niobrara River, 00123000 - 2001

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 2000 TO SEP 2001

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

No water diverted in 2001.

NIOBRARA RIVER BASIN

NIOBRARA RIVER above Box Butte Reservoir, 06454500 - 2001

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 52 cubic feet per second March 14, gage height 3.79 feet; maximum gage height 4.40 feet January 31 due to ice conditions, minimum daily discharge 7.9 cubic feet per second July 8 & 9.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	29	22	19	24E	29	42	41	12	11	9.1	9.1
2	13	28	20	19	25	30	41	41	11	11	9.2	9.0
3	15	27	20	19	25	30	41	42	11	11	8.9	9.0
4	14	26	20	20	24	31	41	43	15	12	8.8	8.7
5	15	26	20	20	25	31	42	44	19	19	8.6	8.2
6	15	25	20	21	25	35	42	47	20	13	8.3	8.3
7	16	20	21	21	25	37	42	46	19	13	8.2	9.1
8	17	18	20	22	25E	42	42	46	18	13	7.9	9.5
9	17	21	21	22	23E	44	41	46	19	15	7.9	9.5
10	18	21	20E	22	25E	46	41	45	18	28	8.3	9.4
11	18	21	18E	22	26	47	45	44	22	19	8.4	9.3
12	18	20E	17E	22	26E	45	46	37	19	19	8.2	8.9
13	18	20E	17E	23	25	46	46	34	19	17	8.1	9.5
14	18	21E	17	24	26E	48	47	32	17	17	8.3	10
15	21	19	18	23	26E	45	46	29	17	16	8.8	10
16	20	23	17E	24	26E	44	44	26	17	16	8.8	11
17	20	22E	17E	23E	26E	44	43	25	18	15	9.7	12
18	20	23E	16E	24	25	44	41	23	18	14	9.5	13
19	20	23	16E	24	25	43	41	20	16	14	9.4	14
20	20	23E	17E	23	25	43	40	19	15	14	9.1	14
21	21	23E	18E	23	26	43	38	18	15	13	9.1	14
22	23	23	19E	23	27	44	40	16	15	13	9.6	13
23	23	23	19	23	27	42	43	16	15	13	10	13
24	22	23	17	24	27	42	48	16	14	12	10	12
25	21	23	17	24	27E	41	48	16	13	11	11	12
26	21	23	17E	24	27	42	48	14	13	11	10	13
27	21	23	16	24E	27	42	46	15	13	11	10	12
28	23	24	18	25	28E	41	44	15	12	11	9.7	12
29	33	23	17	25	-----	41	42	14	12	10	9.3	12
30	32	24	19	28E	-----	41	40	11	11	9.8	9.1	12
31	30	-----	19	24E	-----	41	-----	12	-----	9.4	9.0	-----
TOTAL	613	688	570	704	718	1,264	1,291	893	473	431.2	280.3	326.5
MEAN	19.8	22.9	18.4	22.7	25.6	40.8	43.0	28.8	15.8	13.9	9.04	10.9
MAX	33	29	22	28	28	48	48	47	22	28	11	14
MIN	10	18	16	19	23	29	38	11	11	9.4	7.9	8.2
AC-FT	1,220	1,360	1,130	1,400	1,420	2,510	2,560	1,770	938	855	556	648
CAL YEAR 2000 TOTAL		9,372.60	MEAN	25.6	MAX	74	MIN	8.7	AC-FT	18,590		
WTR YEAR 2001 TOTAL		8,252.00	MEAN	22.6	MAX	48	MIN	7.9	AC-FT	16,370		

E indicates estimated discharge.

NIOBRARA RIVER BASIN

BOX BUTTE RESERVOIR from Niobrara River, 06455000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			12,253		14,391	15,578		20,181	20,948		14,101	
2				13,266			17,964			20,308		
3												
4												7,377
5												
6						15,817						
7									21,077			
8												
9											11,865	
10												
11												
12										19,428		
13												7,315
14						16,446						
15												
16											10,651	
17								21,025				
18												
19							19,366					
20						16,750						
21									21,116			
22												
23											8,782	
24								20,986				
25												
26							19,865			15,817		
27												
28									20,986			
29					-----							
30					-----						7,987	
31		-----			-----		-----		-----			-----

NIOBRARA RIVER BASIN

NIOBRARA RIVER below Box Butte Reservoir, 06455500 - 2001

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 5.0 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 148 cubic feet per second August 1, gage height 4.26 feet; minimum daily discharge 0.64 cubic feet per second September 27-30.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.70	.82	.78	.70	.72	.72	.72	.82	.79	57	142	66
2	.70	.80	.73	.73	.70	.73	.73	.82	.78	89	146	66
3	.72	.76	.73	.73	.70	.73	.76	.88	.83	108	138	67
4	.73	.76	.73	.73	.70	.73	.76	.89	1.1	115	133	64
5	.75	.76	.73	.73	.70	.73	.76	.97	.98	109	130	60
6	.76	.78	.73	.73	.70	.73	.77	.97	.86	112	132	62
7	.76	.81	.72	.73	.70	.73	.75	.91	.82	121	137	31
8	.75	.79	.73	.73	.70	.73	.76	.88	.82	112	132	.76
9	.73	.79	.73	.73	.70	.73	.74	.86	.79	40	124	.72
10	.73	.79	.73	.70	.70	.73	.76	.86	.79	1.2	117	.70
11	.73	.79	.73	.73	.70	.73	.86	.89	.76	.90	106	.66
12	.72	.79	.73	.73	.70	.73	.79	.89	.78	.83	106	.67
13	.71	.79	.73	.73	.70	.73	.75	.86	.90	.78	104	.67
14	.70	.79	.73	.73	.70	.73	.78	.86	.80	.76	100	.69
15	.72	.79	.73E	.73	.70	.73	.79	.86	.76	.76	93	.70
16	.72	.79	.72E	.73	.70	.73	.82	.89	.76	.79	91	.73
17	.70	.79	.72E	.73	.70	.73	.82	.86	.76	60	95	.70
18	.70	.79	.71	.73	.70	.75	.82	.86	.74	91	92	.70
19	.70	.82	.72	.70	.70	.73	.74	.86	.76	98	97	.72
20	.70	.81	.72E	.70	.70	.76	.75	.87	.76	110	107	.71
21	.70	.81	.73E	.70	.70	.76	.77	.86	.76	118	115	.67
22	.75	.79	.73	.70	.70	.73	.82	.88	.76	125	119	.67
23	.77	.78	.70	.70	.70	.76	.85	.85	.76	138	106	.67
24	.76	.76	.70	.70	.70	.76	.83	.83	.73	144	83	.66
25	.78	.76	.70	.67	.70	.76	.79	.84	.74	137	71	.67
26	.76	.78	.70	.67	.70	.73	.83	.82	.73	124	73	.66
27	.76	.79	.70	.67	.70	.73	.85	.82	.73	114	73	.64
28	.76	.78	.67	.67	.70	.73	.83	.82	.72	103	74	.64
29	.84	.75	.70	.68	-----	.73	.84	.89	.72	101	79	.64
30	.82	.77	.70	.69	-----	.73	.82	.86	.72	113	74	.64
31	.79	-----	.70	.72	-----	.73	-----	.82	-----	132	68	-----
TOTAL	22.92	23.58	22.31	22.05	19.62	22.79	23.66	26.85	23.71	2,577.02	3,257	431.69
MEAN	.74	.79	.72	.71	.70	.74	.79	.87	.79	83.1	105	14.4
MAX	.84	.82	.78	.73	.72	.76	.86	.97	1.1	144	146	.67
MIN	.70	.75	.67	.67	.70	.72	.72	.82	.72	.76	68	.64
AC-FT	45	47	44	44	39	45	47	53	47	5,110	6,460	856
CAL YEAR 2000 TOTAL		6,977.89	MEAN	19.1	MAX	145	MIN	.67	AC-FT	13,840		
WTR YEAR 2001 TOTAL		6,473.20	MEAN	17.7	MAX	146	MIN	.64	AC-FT	12,840		

E indicates estimated discharge.

NIOBRARA RIVER BASIN

MONTAGUE CANAL from Niobrara River, 00102000 - 2001

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 2000 TO SEP 2001

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

No water diverted in 2001

CAL YEAR 2000	MAX	0	MIN	0	AC-FT	0						
WTR YEAR 2001	MAX	0	MIN	0	AC-FT	0						

NIOBRARA RIVER BASIN

LICHTE CANAL from Niobrara River, 00081000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	3.0	2.3	0	0
2	0	0	0	0	0	0	0	0	2.9	.45	0	0
3	0	0	0	0	0	0	0	0	2.6	0	0	0
4	0	0	0	0	0	0	0	0	.47	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	1.8	0
7	0	0	0	0	0	0	0	0	0	0	2.9	0
8	0	0	0	0	0	0	0	0	1.3	0	2.9	0
9	0	0	0	0	0	0	0	0	3.2	0	2.9	0
10	0	0	0	0	0	0	0	0	3.1	0	2.9	0
11	0	0	0	0	0	0	0	0	2.9	0	2.9	0
12	0	0	0	0	0	0	0	0	2.2	0	2.9	0
13	0	0	0	0	0	0	0	0	0	0	1.7	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	.73	0	0	0
21	0	0	0	0	0	0	0	0	2.4	0	0	0
22	0	0	0	0	0	0	0	0	2.3	0	0	0
23	0	0	0	0	0	0	0	0	2.4	0	0	0
24	0	0	0	0	0	0	0	0	2.4	0	0	0
25	0	0	0	0	0	0	0	1.2E	2.4	0	0	0
26	0	0	0	0	0	0	0	3.0E	2.4	0	0	0
27	0	0	0	0	0	0	0	3.0E	2.4	0	0	0
28	0	0	0	0	0	0	0	3.0E	2.4	0	0	0
29	0	0	0	0	-----	0	0	3.0E	2.2	0	0	0
30	0	0	0	0	-----	0	0	3.0E	2.3	0	0	0
31	0	-----	0	0	-----	0	-----	3.0	-----	0	0	0
TOTAL	0	0	0	0	0	0	0	19.2	46.00	2.75	20.9	0
MEAN	0	0	0	0	0	0	0	.62	1.53	.089	.67	0
MAX	0	0	0	0	0	0	0	3.0	3.2	2.3	2.9	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	38	91	5.5	41	0
CAL YEAR 2000	MAX	3.3	MIN	0	AC-FT	114						
WTR YEAR 2001	MAX	3.2	MIN	0	AC-FT	176						

E indicates estimated discharge.

NIOBRARA RIVER BASIN

MIRAGE FLATS CANAL from Niobrara River, 00100000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	0	0	139	67
2								0	0	0	153	67
3								0	0	59	148	67
4								0	0	99	138	67
5								0	0	115	136	61
6								0	0	108	133	57
7								0	0	102	145	49
8								0	0	109	143	20
9								0	0	109	135	0
10								0	0	51	131	0
11								0	0	0	112	0
12								0	0	0	111	0
13								0	0	0	115	0
14								0	0	0	101	0
15								0	0	0	81	0
16								0	0	0	80	0
17								0	0	78	99	0
18								0	0	86	97	0
19								0	0	79	103	0
20								0	0	114	118	0
21								0	0	136	125	0
22								0	0	143	132	0
23								0	0	172	116	0
24								0	0	139	90	0
25								0	0	125	77	0
26								0	0	115	74	0
27								0	0	116	75	0
28								0	0	91	75	0
29					-----			0	0	92	78	0
30					-----			0	0	103	77	0
31		-----			-----		-----	0	-----	134	69	-----
TOTAL								0	0	2,475	3,406	455
MEAN								0	0	79.8	110	15.2
MAX								0	0	172	153	67
MIN								0	0	0	69	0
AC-FT								0	0	4,910	6,760	902
CAL YEAR 2000	MAX	150	MIN	0	AC-FT	14,150						
WTR YEAR 2001	MAX	172	MIN	0	AC-FT	12,570						

NIOBRARA RIVER BASIN

POTMESIL CANAL from Niobrara River, 00124000 - 2001

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 2000 TO SEP 2001

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

No water diverted in 2001.

NIOBRARA RIVER BASIN

Snake River at Doughboy, 06459175 - 2001

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 436 cubic feet per second July 26, gage height 2.33 feet; maximum gage height 3.35 feet December 17 due to backwater from ice, minimum daily discharge 120 cubic feet per second estimated December 17.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	201	180	153	139	176	187	186	177	146	174	150
2	177	193	181	140	156	177	188	185	172	148	167	149
3	180	188	180	146	174	191	199	182	174	147	169	150
4	181	180	179	152	201	192	203	184	179	144	165	148
5	176	187	180	166	204	209	216	200	190	145	159	143
6	168	172	178	176	208	226	214	218	192	141	159	147
7	167	162	179	178	200	234	227	221	188	141	160	159
8	166	166	186	169	179	253	256	215	175	141	159	158
9	164	176	184	166	168	244	263	189	171	145	157	152
10	169	167	170E	174	167	232	221	181	168	191	158	153
11	170	171	160E	159	168	203	228	180	166	189	159	154
12	174	171	150E	150	168	187	227	177	166	171	164	158
13	173	166	160E	161	182	192	251	177	163	162	170	157
14	172	172	155E	164	164	211	227	175	169	155	171	160
15	174	173	140E	167	159	216	205	171	160	149	175	165
16	175	174	130E	157	172	199	198	167	161	148	170	166
17	173	171	120E	164	172	194	189	167	161	148	166	165
18	171	174	140E	176	183	189	191	165	159	146	165	165
19	174	180	170E	183	188	194	194	167	156	145	160	171
20	175	177	197	188	185	191	192	167	159	144	156	165
21	173	181	190E	192	178	197	195	158	160	142	157	160
22	176	188	195E	184	170	202	208	157	159	145	160	162
23	173	189	190E	162	180	198	199	156	157	145	157	160
24	179	192	190E	177	169	186	229	158	152	143	156	159
25	183	192	170E	170	169	179	291	162	151	156	156	159
26	178	187	160	171	174	172	332	164	150	250	154	161
27	176	190	167	168	173	177	327	169	153	236	152	161
28	182	191	164	164	170	185	248	167	153	222	151	163
29	223	188	166	171	-----	190	205	174	154	199	151	162
30	207	189	164	163	-----	187	194	192	148	182	150	164
31	202	-----	162	147	-----	189	-----	183	-----	179	150	-----
TOTAL	5,505	5,408	5,237	5,158	4,920	6,172	6,704	5,514	4,943	5,045	4,977	4,746
MEAN	178	180	169	166	176	199	223	178	165	163	161	158
MAX	223	201	197	192	208	253	332	221	192	250	175	171
MIN	164	162	120	140	139	172	187	156	148	141	150	143
AC-FT	10,920	10,730	10,390	10,230	9,760	12,240	13,300	10,940	9,800	10,010	9,870	9,410
CAL YEAR 2000 TOTAL		64,548	MEAN	176	MAX	308	MIN	120	AC-FT	128,000		
WTR YEAR 2001 TOTAL		64,329	MEAN	176	MAX	332	MIN	120	AC-FT	127,600		

E indicates estimated discharge.

NIOBRARA RIVER BASIN

MERRITT RESERVOIR from Snake River - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37,160	50,360	68,830	68,560	69,110	69,110	69,390	74,780	74,490	72,190	51,880	35,560
2	37,490	51,880	69,110	68,560	29,110	69,110	69,390	74,490	74,490	71,910	51,220	35,560
3	38,320	52,780	69,110	68,560	68,830	69,110	69,390	74,200	74,200	71,340	50,720	35,400
4	38,830	54,610	69,110	68,560	69,110	69,110	69,390	73,910	74,490	71,060	49,930	35,400
5	39,340	55,540	69,110	68,560	69,110	69,110	69,390	74,200	74,490	70,780	49,070	35,080
6	39,690	56,000	69,110	68,560	68,830	69,110	69,390	74,490	74,490	70,500	48,450	34,930
7	40,220	56,490	68,830	68,560	68,830	69,110	69,950	74,490	74,490	69,950	47,620	34,770
8	40,750	56,730	68,830	68,560	69,110	69,390	69,950	74,490	74,490	69,110	46,810	35,240
9	41,100	57,210	68,830	68,560	69,110	69,670	69,950	74,490	74,490	68,560	45,820	35,560
10	41,280	57,690	68,560	68,830	68,830	69,670	69,950	74,490	74,200	68,020	45,020	36,030
11	41,830	58,420	68,560	68,830	68,830	69,670	70,500	74,490	74,200	67,470	44,070	36,510
12	42,200	59,160	68,560	69,110	68,830	69,950	71,620	74,490	74,200	67,200	43,300	36,840
13	42,750	59,660	68,290	69,110	69,110	69,950	71,910	74,200	74,200	66,660	42,380	37,160
14	42,930	59,910	68,290	69,110	69,110	69,550	72,480	74,200	74,200	66,390	41,640	37,650
15	43,300	60,410	68,290	68,830	69,110	69,950	73,050	74,200	73,910	65,850	41,100	38,150
16	43,680	61,170	68,290	68,830	69,110	69,670	73,630	73,910	73,910	65,060	40,750	38,830
17	44,070	61,680	68,290	68,830	68,830	69,390	73,630	73,910	73,630	64,270	40,400	39,520
18	44,260	61,940	68,290	68,830	69,110	69,110	73,630	74,200	73,630	63,780	40,040	40,210
19	44,640	62,710	68,290	69,110	69,110	69,110	73,630	73,910	73,630	62,450	39,520	40,750
20	44,830	63,220	68,290	69,110	69,110	69,390	73,630	73,910	73,340	61,420	39,000	41,280
21	45,020	63,740	68,290	69,110	69,110	69,390	73,630	73,910	73,630	60,660	38,320	41,830
22	45,420	64,270	68,290	69,110	69,110	69,670	73,630	73,910	73,630	59,910	37,650	42,560
23	46,210	64,800	68,290	68,830	69,110	69,950	74,200	73,910	73,910	59,160	37,000	42,930
24	46,610	65,320	68,290	68,830	69,110	69,950	74,200	73,910	73,910	58,180	36,340	43,300
25	47,010	65,850	68,290	68,830	69,390	69,950	74,490	73,910	73,630	57,210	36,510	43,870
26	47,010	66,390	68,290	68,830	69,390	69,670	74,490	73,910	73,630	56,490	36,670	44,640
27	47,210	66,930	68,290	68,830	69,110	69,670	74,780	73,910	73,340	55,770	36,670	45,030
28	48,040	67,470	68,290	68,830	69,110	69,390	75,080	73,910	73,340	55,070	36,670	45,420
29	49,710	68,020	68,560	68,830	-----	69,390	75,080	73,910	72,770	54,380	36,510	45,820
30	49,930	68,560	68,560	68,830	-----	69,670	74,780	73,910	72,770	53,450	36,030	46,410
31	50,580	-----	68,260	68,830	-----	69,390	-----	74,200	-----	52,780	35,710	-----
MAX	50,580	68,560	69,110	69,110	69,390	69,950	75,080	74,780	74,490	72,190	51,880	46,410
MIN	37,160	50,360	68,260	68,560	29,110	69,110	69,390	73,910	72,770	52,780	35,710	34,770
CHANGE	4,170	17,980	-300	570	280	280	5,390	-580	-1,430	-19,990	-17,070	10,700
CAL YEAR 2000			MEAN	14,467	MAX	76,300	MIN	30,000				
WTR YEAR 2001			MEAN	61,981	MAX	75,080	MIN	29,110				

NIOBRARA RIVER BASIN

AINSWORTH CANAL from Merritt Reservoir, 00001000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	50	327	532	280
2								0	50	340	495	280
3								0	50	335	493	300
4								0	50	362	511	336
5								0	50	396	531	380
6								0	50	445	581	363
7								0	50	475	627	146
8								11	50	475	626	60
9								127	50	473	610	61
10								70	50	456	620	61
11								50	50	443	598	62
12								50	50	422	608	62
13								69	50	401	623	63
14								80	50	408	585	21
15								80	50	440	473	0
16								81	49	517	437	0
17								81	49	572	431	0
18								81	62	596	439	0
19								81	72	616	478	0
20								80	77	622	569	0
21								80	92	605	601	0
22								80	118	618	605	0
23								79	129	626	592	0
24								74	141	562	340	0
25								71	175	568	185	0
26								71	217	596	213	0
27								71	228	594	253	0
28								71	248	565	322	0
29					-----			71	296	583	423	0
30					-----			63	318	604	440	0
31		-----			-----		-----	50	-----	569	339	-----
TOTAL								1,722	3,021	15,611	15,180	2,475
MEAN								55.5	101	504	490	82.5
MAX								127	318	626	627	380
MIN								0	49	327	185	0
AC-FT								3,420	5,990	30,960	30,110	4,910
CAL YEAR 2000	MAX	635	MIN	0	AC-FT	81,250						
WTR YEAR 2001	MAX	627	MIN	0	AC-FT	75,390						

NIOBRARA RIVER BASIN

Snake River near Burge, 06459500 - 2001

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

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

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

PERIOD OF RECORD.--June 1947 - present

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 393 cubic feet per second April 28, gage height 2.29 feet; minimum daily discharge 13 cubic feet per second November 21-24, August 15-17, September 21-22.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	14	54	241	264	285	283	354	157	74	70	14
2	70	14	218	238	264	285	284	344	229	72	70	14
3	70	14	264	237	264	285	285	338	232	72	70	14
4	70	14	264	237	264	285	285	336	232	72	70	15
5	71	14	264	237	264	285	281	344	234	72	44	15
6	70	14	266	237	267	285	281	344	185	72	35	14
7	67	14	268	230	268	285	283	341	229	72	62	16
8	67	14	268	229	268	303	281	328	232	72	62	15
9	67	14	268	232	261	312	281	203	235	70	62	15
10	67	14	261	233	260	315	210	224	227	72	62	14
11	67	14	252	246	260	317	78	222	225	72	62	14
12	67	14	248	256	260	334	76	228	222	72	61	14
13	67	14	244	256	260	346	76	197	219	72	38	14
14	67	14	237	256	260	344	76	179	221	72	14	14
15	66	14	237	255	260	341	76	179	214	72	13	14
16	65	14	237	252	260	341	145	179	214	70	13	14
17	65	14	237	250	260	341	276	179	194	70	13	14
18	36	14	237	248	260	293	280	183	174	68	14	14
19	14	14	237	249	260	262	281	115	143	68	15	14
20	14	14	237	252	260	292	281	178	110	69	14	14
21	14	13	235	252	260	309	285	178	102	69	15	13
22	14	13	236	252	260	326	282	114	77	68	14	13
23	14	13	241	252	260	336	304	165	76	69	15	14
24	14	13	241	254	260	336	324	176	78	70	14	14
25	14	14	241	256	273	340	326	176	78	70	14	14
26	14	14	241	258	289	341	328	176	76	69	14	14
27	14	14	239	260	289	344	352	176	76	68	15	14
28	15	14	237	259	288	346	375	176	76	68	15	14
29	16	14	237	260	-----	212	372	178	76	68	14	14
30	15	14	237	260	-----	274	358	179	75	68	15	14
31	15	-----	239	262	-----	285	-----	179	-----	69	15	-----
TOTAL	1,376	416	7,422	7,696	7,423	9,585	7,705	6,868	4,918	2,181	1,024	424
MEAN	44.4	13.9	239	248	265	309	257	222	164	70.4	33.0	14.1
MAX	71	14	268	262	289	346	375	354	235	74	70	16
MIN	14	13	54	229	260	212	76	114	75	68	13	13
AC-FT	2,730	825	14,720	15,270	14,720	19,010	15,280	13,620	9,750	4,330	2,030	841
CAL YEAR 2000	TOTAL	57,413.10	MEAN	157	MAX	350	MIN	8.5	AC-FT	113,900		
WTR YEAR 2001	TOTAL	57,038.00	MEAN	156	MAX	375	MIN	13	AC-FT	113,100		

NIOBRARA RIVER BASIN

KEYA PAHA RIVER near Naper, 06464900 - 2001

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

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

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

PERIOD OF RECORD.--1957 - present

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 3,990 cubic feet per second May 6, gage height 8.87 feet; maximum gage height 10.50 feet March 15, due to backwater from ice jam; minimum daily discharge 47 cubic feet per second September 6.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	128	124E	74E	90E	170E	423	596	456	157	127	55
2	55	127	110E	80E	80E	180E	419	512	445	480	113	53
3	56	119	100E	76E	108E	170E	456	462	432	527	106	50
4	57	118	104E	80E	140E	190E	423	416	431	459	99	48
5	63	118	110E	82E	160E	220E	426	779	421	368	89	48
6	68	123	100E	86E	170E	250E	445	2,720	447	283	83	47
7	73	120	104E	90E	180E	300E	1,120	2,620	478	288	79	103
8	75	100E	96E	86E	170E	400E	1,900	1,360	432	279	75	82
9	76	94E	98E	90E	160E	450E	1,070	978	379	264	72	84
10	75	96E	100E	90E	150E	500E	849	736	349	300	69	79
11	74	96E	80E	96E	140E	600E	795	542	314	236	69	71
12	75	92E	70E	98E	160E	800E	1,420	431	293	233	68	69
13	76	88E	72E	106E	140E	1,000E	2,240	401	281	213	65	81
14	79	92E	76E	110E	130E	1,400E	1,520	534	317	181	64	105
15	81	94E	72E	120E	120E	2,000E	1,000	499	347	172	71	100
16	83	90E	74E	110E	118E	1,700E	739	451	315	168	69	106
17	86	92E	76E	100E	112E	1,500E	566	404	291	170	66	115
18	86	90E	74E	90E	110E	1,300	459	352	268	173	65	113
19	86	94E	74E	80E	116E	1,160	413	322	225	175	62	110
20	87	90E	72E	88E	118E	1,000	402	306	200	151	58	107
21	86	94E	68E	92E	114E	883	508	291	191	133	57	100
22	87	100E	66E	94E	118E	733	915	261	177	139	57	94
23	89	96E	66E	94E	120E	673	2,940	237	169	130	57	90
24	91	100E	70E	98E	110E	596	2,740	231	154	120	79	86
25	90	94E	74E	96E	106E	547	1,830	226	138	157	74	86
26	89	96E	80E	94E	130E	491	1,510	226	127	214	72	87
27	89	100E	82E	100E	160E	435	1,410	220	119	188	68	86
28	89	102E	88E	96E	180E	400	1,090	211	112	156	64	85
29	101	110E	86E	100E	-----	397	826	209	103	132	58	80
30	111	118E	80E	104E	-----	404	757	249	105	125	60	79
31	109	-----	78E	100E	-----	413	-----	343	-----	130	56	-----
TOTAL	2,496	3,071	2,624	2,900	3,710	21,262	31,611	18,125	8,516	6,901	2,271	2,499
MEAN	80.5	102	84.6	93.5	133	686	1,054	585	284	223	73.3	83.3
MAX	111	128	124	120	180	2,000	2,940	2,720	478	527	127	115
MIN	54	88	66	74	80	170	402	209	103	120	56	47
AC-FT	4,950	6,090	5,200	5,750	7,360	42,170	62,700	35,950	16,890	13,690	4,500	4,960
CAL YEAR 2000 TOTAL		55,353	MEAN	151	MAX	816	MIN	36	AC-FT	109,800		
WTR YEAR 2001 TOTAL		105,986	MEAN	290	MAX	2,940	MIN	47	AC-FT	210,200		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

FORT LARAMIE CANAL from North Platte River, 00052000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	928	1,510	1,500	1,450
2								0	928	1,510	1,510	1,410
3								0	925	1,500	1,510	1,370
4								0	925	1,500	1,510	1,370
5								0	925	1,500	1,510	1,360
6								0	923	1,500	1,510	1,330
7								0	923	1,500	1,500	1,320
8								0	923	1,500	1,500	1,320
9								0	925	1,500	1,500	1,290
10								0	928	1,320	1,500	1,200
11								0	925	1,190	1,500	1,150
12								0	928	1,200	1,500	1,150
13								0	981	1,240	1,500	1,150
14								0	1,050	1,250	1,500	1,120
15								0	1,050	1,260	1,510	915
16								0	1,050	1,300	1,500	618
17								197	1,080	1,350	1,500	201
18								700	1,150	1,350	1,500	0
19								702	1,240	1,410	1,500	0
20								700	1,300	1,480	1,500	0
21								700	1,320	1,500	1,500	0
22								700	1,420	1,500	1,500	0
23								764	1,500	1,500	1,500	0
24								828	1,500	1,500	1,500	0
25								841	1,500	1,500	1,500	0
26								879	1,500	1,500	1,500	0
27								879	1,500	1,500	1,500	0
28								879	1,510	1,500	1,500	0
29					-----			879	1,510	1,500	1,500	0
30					-----			889	1,510	1,500	1,490	0
31		-----			-----		-----	928	-----	1,500	1,480	-----
TOTAL								11,465	34,777	44,370	46,530	19,724
MEAN								370	1,159	1,431	1,501	657
MAX								928	1,510	1,510	1,510	1,450
MIN								0	923	1,190	1,480	0
AC-FT								22,740	68,980	88,010	92,290	39,120
CAL YEAR 2000	MAX	1,520	MIN	0	AC-FT	367,400						
WTR YEAR 2001	MAX	1,510	MIN	0	AC-FT	311,100						

NORTH PLATTE RIVER BASIN

FORT LARAMIE CANAL from North Platte River @ Mile Post 85.3, 00052200 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	353	614	617	608
2								0	355	601	617	603
3								0	355	601	612	583
4								0	355	601	608	564
5								0	353	603	610	536
6								0	357	610	614	540
7								0	361	608	605	538
8								0	363	612	608	533
9								0	363	608	614	533
10								0	359	630	608	527
11								0	359	548	610	510
12								0	359	506	614	479
13								0	355	514	610	481
14								0	355	512	614	481
15								0	389	514	612	483
16								0	410	514	608	461
17								0	406	514	605	348
18								0	406	572	608	225
19								0	421	610	605	136
20								0	463	617	610	72
21								355	492	617	610	24
22								321	512	617	608	0
23								312	533	617	610	0
24								311	585	617	614	0
25								328	610	608	614	0
26								363	612	621	614	0
27								368	599	617	614	0
28								366	599	614	612	0
29					-----			364	610	621	605	0
30					-----			361	617	626	610	0
31		-----			-----		-----	355	-----	619	605	-----
TOTAL								3,804	13,266	18,303	18,925	9,265
MEAN								123	442	590	610	309
MAX								368	617	630	617	608
MIN								0	353	506	605	0
AC-FT								7,550	26,310	36,300	37,540	18,380
CAL YEAR 2000	MAX	619	MIN	0	AC-FT	148,700						
WTR YEAR 2001	MAX	630	MIN	0	AC-FT	126,100						

NORTH PLATTE RIVER BASIN

INTERSTATE CANAL from North Platte River, 00071000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	974						0	913	0	2,010	1,950	1,840
2	982						0	928	0	2,010	1,950	1,840
3	950						0	909	0	2,060	1,950	1,840
4	945						0	741	0	2,050	1,950	1,830
5	865						0	766	0	2,060	1,930	1,790
6	312						0	766	0	2,060	1,950	1,790
7	0						0	768	0	2,050	1,980	1,790
8	0						0	770	0	2,050	1,980	1,740
9	0						0	777	0	2,050	1,970	1,690
10	0						0	858	0	2,050	1,970	1,680
11	0						0	909	0	1,980	1,960	1,590
12	0						0	923	0	1,900	1,960	1,570
13	0						0	1,010	0	1,910	1,960	1,530
14	0						0	1,090	0	1,910	1,960	1,490
15	0						0	1,230	0	1,890	1,950	1,450
16	0						0	1,390	0	1,850	1,950	1,450
17	0						453	1,450	0	1,850	1,940	1,440
18	0						882	1,500	635	1,900	1,940	1,380
19	0						899	1,500	977	1,940	1,930	1,300
20	0						923	1,520	1,160	1,960	1,930	1,260
21	0						942	1,550	1,330	1,950	1,930	1,230
22	0						955	1,560	1,470	1,950	1,930	1,240
23	0						916	1,560	1,680	1,960	1,930	1,240
24	0						909	1,540	1,860	1,960	1,930	844
25	0						899	1,450	1,870	1,960	1,930	360
26	0						921	1,410	1,930	1,960	1,930	0
27	0						935	1,410	1,970	1,950	1,940	0
28	0						923	1,050	2,010	1,940	1,930	0
29	0				-----		926	485	2,010	1,940	1,900	0
30	0				-----		918	0	2,000	1,940	1,890	0
31	0	-----			-----		-----	0	-----	1,950	1,860	-----
TOTAL	5,028						12,401	32,733	20,902	61,000	60,160	37,204
MEAN	162						413	1,056	697	1,968	1,941	1,240
MAX	982						955	1,560	2,010	2,060	1,980	1,840
MIN	0						0	0	0	1,850	1,860	0
AC-FT	9,970						24,600	64,930	41,460	121,000	119,300	73,790
CAL YEAR 2000	MAX	2,000	MIN	0	AC-FT	480,800						
WTR YEAR 2001	MAX	2,060	MIN	0	AC-FT	455,100						

NORTH PLATTE RIVER BASIN

LAKE ALICE RESERVOIR from North Platte, 00400300 - 2001

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	CONTENT
	(Feet)	(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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,300	1,090	792	484	378	335	308	5,400	4,620	6,240	4,620	1,700
2	3,540	1,080	785	474	378	335	308	5,530	4,580	6,000	4,490	1,740
3	3,810	1,070	772	461	378	331	308	5,660	4,540	5,720	4,340	1,830
4	3,990	1,060	766	458	374	331	302	5,820	4,570	5,470	4,190	1,920
5	4,270	1,080	760	451	374	331	302	5,830	4,520	5,190	4,000	1,950
6	4,600	1,060	744	446	374	331	302	5,740	4,470	4,910	3,800	1,980
7	4,640	1,030	737	437	370	331	302	5,600	4,420	4,610	3,550	2,070
8	4,230	1,010	728	427	370	327	302	5,420	4,370	4,330	3,340	2,130
9	3,540	1,010	712	415	361	327	302	5,210	4,350	4,030	3,160	2,180
10	2,730	1,000	712	408	361	327	302	4,900	4,290	3,890	3,000	2,190
11	2,140	996	706	402	361	327	298	4,580	4,240	3,490	2,840	2,220
12	1,420	986	697	401	361	327	298	4,340	4,260	3,950	2,700	2,240
13	1,030	978	685	401	361	318	298	4,110	4,150	4,130	2,570	2,280
14	1,010	957	673	401	361	318	298	3,880	4,090	4,350	2,450	2,300
15	1,000	953	655	401	352	318	298	3,600	4,050	4,630	2,300	2,320
16	1,060	942	655	401	352	318	298	3,380	3,990	4,870	2,170	2,300
17	1,090	928	637	401	352	318	298	3,280	3,950	5,000	2,050	2,310
18	1,180	917	623	394	352	318	298	3,250	3,910	5,030	1,970	2,350
19	1,150	903	608	394	346	314	298	3,260	3,860	5,020	1,900	2,380
20	1,080	900	608	401	346	314	691	3,310	3,800	4,960	1,840	2,380
21	1,070	890	591	401	346	314	1,260	3,370	4,330	4,930	1,780	2,470
22	1,110	883	580	401	346	314	1,900	3,480	4,890	4,930	1,730	2,630
23	1,090	872	572	390	346	314	2,460	3,640	5,310	4,940	1,650	2,780
24	1,110	855	563	390	339	314	2,970	3,780	5,770	4,910	1,600	3,020
25	1,090	848	555	402	339	314	3,390	3,930	6,210	4,880	1,560	3,240
26	1,070	835	547	383	339	314	3,790	4,070	5,490	4,930	1,530	3,300
27	1,060	832	528	383	339	314	4,160	4,130	6,630	4,910	1,540	3,040
28	1,080	822	520	383	335	308	4,530	4,170	6,650	4,900	1,560	2,440
29	1,110	812	510	383	-----	308	4,900	4,140	6,570	4,880	1,580	1,820
30	1,090	805	499	383	-----	308	5,190	4,230	6,440	4,830	1,590	1,210
31	1,120	-----	492	378	-----	308	-----	4,530	-----	4,750	1,620	-----
MAX	4,640	1,090	792	484	378	335	5,190	5,830	6,650	6,240	4,620	3,300
MIN	1,000	805	492	378	335	308	298	3,250	3,800	3,490	1,530	1,210
CHANGE	-1,910	-314	-313	-114	-43	-27	4,880	-665	1,910	-1,690	-3,130	-409
CAL YEAR 2000			MEAN	2,194	MAX	7,940	MIN	118				
WTR YEAR 2001			MEAN	2,085	MAX	6,650	MIN	298				

NORTH PLATTE RIVER BASIN

LITTLE LAKE ALICE RESERVOIR from North Platte River, 00405200 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	375	181	157	111	92	77	45	365	219	330	337	293
2	385	181	134	110	91	77	45	360	224	328	337	301
3	394	179	125	109	90	76	53	351	230	325	337	305
4	387	178	120	111	89	75	53	353	251	328	335	304
5	388	180	118	110	89	72	51	357	256	325	333	320
6	394	179	115	109	88	72	52	353	259	326	325	333
7	397	176	115	109	89	70	51	352	261	328	320	335
8	392	177	115	111	89	69	50	312	264	327	318	333
9	376	176	115	109	86	67	49	293	268	328	320	338
10	351	175	115	109	85	66	51	287	269	329	318	334
11	321	177	115	109	83	65	56	279	269	330	316	330
12	328	177	114	108	82	63	55	273	272	328	313	330
13	262	176	114	108	82	62	53	265	271	329	305	332
14	182	175	112	107	83	68	61	260	269	330	283	339
15	148	175	113	108	82	61	54	255	269	342	288	350
16	145	175	111	109	81	59	51	252	269	341	290	375
17	153	174	112	109	81	57	49	247	270	341	289	367
18	164	173	109	108	81	57	47	243	271	337	284	372
19	171	174	111	108	82	56	46	242	270	337	280	362
20	175	174	111	107	79	54	144	240	281	339	274	367
21	175	173	112	108	80	54	221	240	301	339	269	372
22	184	172	111	106	80	53	262	244	320	341	270	376
23	181	173	111	105	80	53	291	247	326	341	270	452
24	182	172	112	104	81	53	280	279	332	339	269	396
25	185	173	112	102	80	52	294	297	333	342	269	405
26	189	171	112	101	79	50	314	303	332	346	273	422
27	190	171	111	99	79	50	325	312	333	343	277	405
28	195	171	111	99	77	50	335	313	330	343	276	362
29	193	170	110	97	-----	49	344	314	327	339	283	321
30	186	171	111	95	-----	48	354	222	333	337	281	280
31	183	-----	111	95	-----	47	-----	211	-----	337	284	-----
MAX	397	181	157	111	92	77	354	365	333	346	337	452
MIN	145	170	109	95	77	47	45	211	219	325	269	280
CHANGE	-191	-12	-60	-16	-18	-30	307	-143	122	4.0	-53	-4.0
CAL YEAR 2000			MEAN	210	MAX	416	MIN	23				
WTR YEAR 2001			MEAN	208	MAX	452	MIN	45				

NORTH PLATTE RIVER BASIN

LAKE MINATARE RESERVOIR from North Platte, 00406300 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24,000	34,100	33,400	33,300	32,900	32,600	32,200	39,500	54,500	50,800	32,900	14,700
2	24,900	34,100	33,500	33,200	32,900	32,600	32,200	40,400	54,500	49,100	32,500	14,400
3	25,900	34,000	33,500	33,100	32,800	32,700	32,200	41,500	54,600	48,800	32,100	14,200
4	27,000	34,000	33,500	33,100	32,800	32,500	32,200	42,300	54,700	48,800	31,700	14,000
5	27,800	34,000	33,600	33,200	32,800	32,600	32,200	43,300	54,600	46,900	31,300	13,900
6	28,700	33,900	33,500	33,100	32,800	32,500	32,200	44,100	54,500	46,800	30,900	13,900
7	29,600	33,800	33,500	33,100	32,800	32,500	32,200	44,700	54,500	46,800	28,600	13,900
8	30,400	33,800	33,500	33,100	32,800	32,500	32,200	45,600	54,300	46,800	28,000	14,100
9	31,200	33,800	33,500	33,000	32,700	32,500	32,300	46,300	54,300	44,600	27,300	14,300
10	32,000	33,800	33,500	33,100	32,800	32,600	32,500	46,900	54,300	44,600	26,700	14,700
11	32,700	33,800	33,500	33,000	32,700	32,600	32,600	47,400	54,400	43,800	26,200	15,200
12	33,400	33,700	33,400	33,100	32,700	32,500	32,500	47,800	54,400	43,800	25,600	15,700
13	33,900	33,700	33,400	33,200	32,700	32,500	32,500	48,400	54,400	43,000	25,000	16,200
14	33,900	33,700	33,400	33,000	32,700	32,600	32,400	48,800	54,400	43,000	24,500	16,700
15	33,900	33,800	33,300	33,000	32,700	32,500	32,400	49,200	54,400	43,000	23,900	17,300
16	33,900	33,700	33,400	33,000	32,700	32,500	32,400	49,600	54,300	41,700	23,100	17,900
17	33,900	33,700	33,400	33,000	32,700	32,500	32,400	49,800	53,800	41,600	22,500	18,700
18	33,800	33,700	33,300	33,000	32,700	32,500	32,300	50,200	53,800	41,500	21,900	19,500
19	33,800	33,700	33,300	33,000	32,700	32,500	32,200	50,400	53,900	41,400	21,300	20,200
20	33,800	33,700	33,300	33,000	32,700	32,400	32,300	50,800	53,900	39,800	20,700	21,000
21	33,700	33,700	33,300	32,900	32,600	32,500	32,700	50,900	53,700	38,900	20,100	21,600
22	33,800	33,700	33,300	33,000	32,700	32,400	33,200	51,200	53,600	38,000	19,600	22,500
23	33,800	33,600	33,300	32,900	32,700	32,500	33,600	51,500	53,400	38,000	19,100	23,500
24	33,800	33,600	33,300	32,900	32,700	32,500	34,200	51,700	52,900	36,800	18,600	24,400
25	34,100	33,600	33,300	33,000	32,600	32,500	34,900	52,000	52,800	36,500	18,100	25,300
26	33,800	33,600	33,200	32,900	32,700	32,400	35,600	52,500	52,800	36,200	17,600	26,200
27	33,800	33,600	33,200	32,900	32,600	32,400	36,300	52,800	42,800	35,600	17,100	26,900
28	34,000	33,500	33,300	32,900	32,600	32,400	37,100	83,300	52,600	35,200	16,600	27,600
29	34,100	33,500	33,200	33,000	-----	32,400	37,800	53,700	50,800	34,600	16,100	28,300
30	34,000	33,500	33,200	32,900	-----	32,300	38,500	54,300	50,800	34,100	15,600	28,800
31	34,100	-----	33,200	32,900	-----	32,200	-----	54,600	-----	33,500	15,100	-----
MAX	34,100	34,100	33,600	33,300	32,900	32,700	38,500	83,300	54,700	50,800	32,900	28,800
MIN	24,000	33,500	33,200	32,900	32,600	32,200	32,200	39,500	42,800	33,500	15,100	13,900
CHANGE	11,100	-620	-274	-273	-323	-372	6,220	16,110	-3,760	-17,310	-18,390	13,730
CAL YEAR 2000			MEAN	33,300	MAX	54,600	MIN	9,130				
WTR YEAR 2001			MEAN	34,860	MAX	83,300	MIN	13,900				

NORTH PLATTE RIVER BASIN

WINTERS CREEK RESERVOIR, 00412000 - 2001

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	702	893	886	839	774	774	774	529	1,040	961	854	618
2	708	895	886	833	774	774	774	574	1,050	955	845	617
3	712	895	884	822	774	774	774	634	1,070	952	833	609
4	722	893	884	820	774	774	774	706	1,060	966	822	603
5	730	895	884	814	774	774	774	785	1,060	959	816	598
6	738	895	882	814	774	774	774	858	1,030	995	805	598
7	746	893	873	814	774	774	774	939	1,030	995	795	596
8	754	893	873	814	774	774	774	1,000	1,040	993	785	596
9	758	893	871	812	774	774	774	1,070	1,030	993	781	592
10	764	893	878	805	774	774	774	1,130	1,020	993	772	588
11	770	897	880	801	774	774	774	1,190	1,020	993	760	596
12	776	902	880	801	774	774	774	1,220	1,020	966	754	600
13	783	899	875	801	774	774	774	1,160	1,030	966	746	602
14	785	897	869	797	774	774	774	1,160	1,020	966	740	611
15	789	899	863	793	774	774	774	1,160	1,000	966	734	622
16	795	899	869	791	774	774	774	1,150	995	939	724	634
17	797	899	858	789	774	774	774	1,170	993	1,030	718	651
18	799	897	860	789	774	774	774	1,150	986	1,030	710	662
19	799	893	856	781	774	774	774	1,160	995	1,030	706	674
20	602	893	856	781	774	774	552	1,180	1,000	1,030	696	682
21	602	891	856	776	774	774	546	1,170	979	1,030	690	694
22	602	891	852	772	774	774	550	1,150	968	1,030	684	704
23	602	893	850	774	774	774	550	1,150	961	895	676	712
24	602	888	850	774	774	774	537	1,090	970	886	666	722
25	618	891	850	774	774	774	536	1,060	973	888	661	730
26	837	888	848	774	774	774	536	1,050	966	891	655	738
27	837	891	841	774	774	774	534	1,050	964	882	649	748
28	875	891	841	774	774	774	534	1,050	955	882	645	758
29	886	893	839	774	-----	774	529	1,050	952	919	636	762
30	888	886	839	774	-----	774	529	1,040	961	869	632	770
31	891	-----	839	774	-----	774	-----	1,040	-----	863	626	-----
MAX	891	902	886	839	774	774	774	1,220	1,070	1,030	854	770
MIN	602	886	839	772	774	774	529	529	952	863	626	588
CHANGE	205	-5.0	-47	-65	0	0	-245	512	-80	-98	-237	144
CAL YEAR 2000			MEAN	745	MAX	1,220	MIN	233				
WTR YEAR 2001			MEAN	827	MAX	1,220	MIN	529				

NORTH PLATTE RIVER BASIN

MITCHELL & GERING CANAL from North Platte River, 00101100 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	129							0	201	298	311	282
2	129							0	201	319	309	282
3	129							0	200	308	305	280
4	130						0	0	200	295	304	279
5	130						0	2.5	200	300	315	260
6	131						0	.04	199	299	321	245
7	131						0	0	199	302	319	246
8	131						0	0	198	302	315	246
9	131						0	0	197	306	321	245
10	131						0	0	195	183	320	245
11	130						0	0	197	132	321	245
12	131						0	0	189	156	324	245
13	104						0	0	176	160	317	246
14	0						0	0	174	161	320	246
15	0						0	0	179	162	319	247
16	0						0	36	177	207	317	247
17	0						0	120	176	273	317	232
18	0						0	152	173	273	318	247
19	0						0	150	171	279	316	247
20	0						0	174	178	286	317	196
21	0						0	199	179	276	312	155
22	0						0	198	186	294	310	154
23							1.6	200	216	318	311	147
24							0	196	223	325	310	154
25							0	196	248	326	309	47
26							0	197	284	322	308	0
27							0	197	284	314	308	
28							0	196	280	319	307	
29					-----		0	195	278	306	307	
30					-----		0	195	277	299	289	
31		-----			-----		-----	199	-----	301	286	-----
TOTAL	1,667						1.6	2,802.54	6,235	8,401	9,683	5,665
MEAN	75.8						.059	90.4	208	271	312	218
MAX	131						1.6	200	284	326	324	282
MIN	0						0	0	171	132	286	0
AC-FT	3,310						3.2	5,560	12,370	16,660	19,210	11,240
CAL YEAR 2000	MAX	367	MIN	0	AC-FT	82,490						
WTR YEAR 2001	MAX	326	MIN	0	AC-FT	68,340						

NORTH PLATTE RIVER BASIN

GERING CANAL from North Platte River via Mitchell and Gering Canal, 00056000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110							0	108	158	181	158
2	108							0	104	173	185	159
3	108								105	186	177	157
4	110							0	119	174	171	155
5	111						0	0	108	175	164	153
6	111						0	0	106	173	175	138
7	115						0	0	103	173	175	148
8	115						0	0	106	184	176	150
9	116						0	0	106	186	175	152
10	116						0	0	104	261	184	138
11	115						0	0	105	187	176	141
12	115						0	0	106	143	179	142
13	114						0	0	94	129	179	145
14	50						0	0	68	128	165	158
15	1.6						0	0	71	127	170	161
16	0						0	0	77	123	165	160
17	0						0	0	76	189	169	168
18	0						0	36	84	204	176	173
19	0						0	94	80	202	181	121
20	0						0	110	105	190	182	143
21	0						0	109	106	176	177	147
22	0						0	112	101	158	173	134
23	0						0	110	120	173	177	128
24							0	108	117	184	180	133
25							0	107	101	187	179	91
26							0	115	126	223	179	1.9
27							0	113	151	198	183	
28							0	113	144	225	180	
29					-----		0	112	148	200	186	
30					-----		0	114	156	176	166	
31		-----			-----		-----	107	-----	178	160	-----
TOTAL	1,515.6						0	1,460	3,205	5,543	5,445	3,654.9
MEAN	65.9						0	48.7	107	179	176	141
MAX	116						0	115	156	261	186	173
MIN	0						0	0	68	123	160	1.9
AC-FT	3,010						0	2,900	6,360	10,990	10,800	7,250
CAL YEAR 2000	MAX	211	MIN	0	AC-FT	51,310						
WTR YEAR 2001	MAX	261	MIN	0	AC-FT	41,300						

NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from North Platte River, 00145100 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21							0	615	1,330	1,210	950
2	0							0	660	1,340	1,220	867
3	0						0	0	658	1,330	1,230	831
4	0						0	0	656	1,340	1,230	821
5	0						0	0	600	1,340	1,240	750
6	0						0	0	597	1,340	1,240	717
7	0						0	0	588	1,340	1,250	711
8	0						0	0	537	1,340	1,240	645
9	0						0	0	154	1,350	1,240	605
10	0						0	0	0	1,300	1,240	579
11	0						0	0	0	1,230	1,220	563
12	0						0	0	0	1,200	1,210	568
13	0						0	0	0	1,210	1,220	568
14	0						0	119	0	1,200	1,210	573
15	0						0	319	0	1,200	1,220	581
16	0						0	508	0	1,190	1,210	574
17	0						0	529	0	1,220	1,200	576
18	0						0	529	287	1,240	1,200	569
19	0						0	542	665	1,240	1,190	557
20	0						0	606	713	1,260	1,170	532
21	0						0	663	806	1,280	1,170	453
22	0						0	640	844	1,290	1,150	338
23	0						0	623	938	1,290	1,140	179
24							0	637	1,060	1,280	1,110	161
25							0	621	1,200	1,260	1,090	180
26							0	576	1,260	1,240	1,090	171
27							0	558	1,340	1,230	1,060	172
28							0	597	1,330	1,230	1,050	119
29					-----		0	613	1,330	1,220	1,050	0
30					-----		0	627	1,340	1,220	1,010	0
31		-----			-----		0	627	-----	1,220	985	-----
TOTAL	21						0	9,934	18,178	39,300	36,295	14,910
MEAN	.91						0	320	606	1,268	1,171	497
MAX	21						0	663	1,340	1,350	1,250	950
MIN	0						0	0	0	1,190	985	0
AC-FT	42						0	19,700	36,060	77,950	71,990	29,570
CAL YEAR 2000	MAX	1,290	MIN	0	AC-FT	261,600						
WTR YEAR 2001	MAX	1,350	MIN	0	AC-FT	235,300						

NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Sheep Creek, 00144700 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	60	48	79	87
2								0	57	49	78	87
3								0	56	49	77	87
4								0	61	48	77	84
5								0	59	48	77	84
6								0	55	47	74	86
7								0	53	48	74	87
8								0	0	49	76	90
9								0	0	48	74	89
10								0	0	73	75	90
11								0	0	68	76	89
12								0	0	64	76	88
13								0	0	66	75	88
14								0	0	67	76	90
15								0	0	64	82	94
16								0	0	62	82	96
17								0	0	64	83	95
18								0	0	67	84	104
19								0	0	65	84	98
20								0	0	66	85	94
21								0	0	69	85	92
22								0	44	69	82	92
23								0	42	70	82	92
24								0	48	70	83	95
25								0	49	69	83	94
26								0	49	74	83	94
27								0	46	78	83	93
28								27	48	77	84	92
29					-----			50	49	77	85	92
30					-----			63	49	80	85	92
31		-----			-----		-----	61	-----	80	85	-----
TOTAL								201	825	1,973	2,484	2,735
MEAN								6.48	27.5	63.6	80.1	91.2
MAX								63	61	80	85	104
MIN								0	0	47	74	84
AC-FT								399	1,640	3,910	4,930	5,420
CAL YEAR 2000	MAX	96	MIN	0	AC-FT	17,100						
WTR YEAR 2001	MAX	104	MIN	0	AC-FT	16,300						

NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Akers Draw, 00144500 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								11	13	11	14	12
2								11	12	11	13	11
3								10	12	11	15	11
4								10	11	11	14	11
5								10	11	12	14	11
6								9.0	10	12	14	11
7								9.0	11	12	15	11
8								9.0	9.0	12	15	11
9								9.0	9.0	12	15	11
10								9.0	9.0	12	16	11
11								9.0	9.0	12	15	11
12								9.0	8.0	12	14	12
13								9.0	8.0	12	15	12
14								8.0	7.0	11	15	12
15								7.0	7.0	12	16	12
16								7.0	7.0	11	16	12
17								8.0	7.0	10	15	13
18								8.0	7.0	14	15	12
19								9.0	7.0	13	15	12
20								9.0	7.0	15	13	12
21								10	7.0	15	14	12
22								11	7.0	15	14	12
23								11	6.0	14	13	12
24								11	8.0	14	14	12
25								12	8.0	14	12	12
26								13	8.0	15	13	12
27								12	9.0	15	13	13
28								13	9.0	15	12	13
29					-----			13	10	14	12	13
30					-----			14	10	15	12	13
31		-----			-----		-----	13	-----	14	12	-----
TOTAL								313.0	263.0	398	435	355
MEAN								10.1	8.77	12.8	14.0	11.8
MAX								14	13	15	16	13
MIN								7.0	6.0	10	12	11
AC-FT								621	522	789	863	704

CAL YEAR 2000 MAX 19 MIN 0 AC-FT 3,570
WTR YEAR 2001 MAX 16 MIN 6.0 AC-FT 3,500

NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Dry Spotted Tail Creek, 00144600 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	6.0	10	21	25
2								0	6.0	10	21	24
3								0	6.0	11	20	25
4								0	7.0	12	20	24
5								0	7.0	11	20	24
6								0	6.0	12	19	23
7								0	6.0	14	19	24
8								0	0	15	19	23
9								0	0	14	20	23
10								0	0	24	20	21
11								0	0	17	21	21
12								0	0	17	21	20
13								0	0	17	21	20
14								0	0	17	22	21
15								0	0	17	22	23
16								0	0	17	22	22
17								0	0	17	20	23
18								0	0	18	22	32
19								0	0	18	22	23
20								0	0	18	23	22
21								0	0	18	22	21
22								0	5.0	19	22	21
23								0	6.0	19	23	21
24								0	6.0	19	23	19
25								0	6.0	19	23	18
26								0	6.0	19	23	17
27								0	7.0	20	22	17
28								0	9.0	20	22	17
29					-----			0	8.0	20	22	17
30					-----			0	9.0	20	23	17
31		-----			-----		-----	6.0	-----	21	24	-----
TOTAL								6.0	106.0	520	664	648
MEAN								.19	3.53	16.8	21.4	21.6
MAX								6.0	9.0	24	24	32
MIN								0	0	10	19	17
AC-FT								12	210	1,030	1,320	1,290
CAL YEAR 2000	MAX	30	MIN	0	AC-FT	3,850						
WTR YEAR 2001	MAX	32	MIN	0	AC-FT	3,860						

TRI-STATE CANAL from Wet Spotted Tail Creek, 00144900 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								4.0	5.0	4.0	11	7.0
2								4.0	4.0	4.0	9.0	8.0
3								6.0	6.0	4.0	7.0	10
4								7.0	9.0	4.0	6.0	10
5								10	9.0	4.0	6.0	8.0
6								20	7.0	4.0	7.0	11
7								10	7.0	5.0	7.0	13
8								10	8.0	4.0	6.0	14
9								10	7.0	4.0	6.0	14
10								9.0	7.0	10	7.0	15
11								9.0	6.0	10	8.0	10
12								8.0	10	11	7.0	9.0
13								6.0	10	16	7.0	8.0
14								5.0	10	17	8.0	7.0
15								7.0	9.0	16	9.0	10
16								8.0	8.0	14	9.0	9.0
17								9.0	8.0	9.0	9.0	12
18								8.0	4.0	9.0	8.0	29
19								6.0	4.0	14	8.0	13
20								6.0	4.0	10	7.0	13
21								7.0	4.0	10	8.0	13
22								8.0	4.0	10	9.0	12
23								7.0	0	11	9.0	12
24								8.0	0	10	8.0	13
25								9.0	0	9.0	9.0	13
26								9.0	0	13	8.0	12
27								8.0	0	17	10	7.0
28								5.0	0	15	6.0	7.0
29					-----			4.0	3.0	10	6.0	6.0
30					-----			5.0	3.0	9.0	6.0	7.0
31		-----			-----		-----	5.0	-----	10	5.0	-----
TOTAL								237.0	156.0	297.0	236.0	332.0
MEAN								7.65	5.20	18.1	7.61	11.1
MAX								20	10	17	11	29
MIN								4.0	0	4.0	5.0	6.0
AC-FT								470	309	589	468	659
CAL YEAR 2000	MAX	26	MIN	0	AC-FT	2,720						
WTR YEAR 2001	MAX	29	MIN	0	AC-FT	2,500						

NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Tub Springs, 00144800 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	33	34	42	33
2								0	32	35	37	32
3								0	32	35	42	33
4								0	35	35	41	31
5								0	33	36	39	31
6								0	33	34	36	31
7								4.0	32	33	20	32
8								4.0	14	31	40	37
9								4.0	0	30	41	35
10								4.0	0	36	41	36
11								5.0	0	29	41	30
12								5.0	0	27	41	31
13								6.0	0	27	40	31
14								4.0	0	29	38	32
15								5.0	0	31	35	33
16								5.0	0	31	33	33
17								4.0	0	31	35	33
18								4.0	0	33	32	34
19								5.0	0	35	33	35
20								5.0	0	30	35	35
21								5.0	0	31	32	35
22								5.0	24	35	33	35
23								5.0	27	41	37	35
24								5.0	29	41	38	20
25								5.0	30	40	37	0
26								6.0	32	40	35	0
27								6.0	32	38	33	0
28								6.0	32	36	36	0
29					-----			6.0	33	35	36	0
30					-----			16	33	31	37	0
31		-----			-----		-----	35	-----	42	37	-----
TOTAL								164.0	516	1,052	1,133	783
MEAN								5.29	17.2	33.9	36.5	26.1
MAX								35	35	42	42	37
MIN								0	0	27	20	0
AC-FT								325	1,020	2,090	2,250	1,550
CAL YEAR 2000	MAX	41	MIN	0	AC-FT	5,250						
WTR YEAR 2001	MAX	42	MIN	0	AC-FT	7,240						

NORTH PLATTE RIVER BASIN

NORTHPORT CANAL from North Platte River and Drains via Tri-State Canal, 00115100 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	157	244	258	257
2								0	152	254	257	247
3								0	157	251	265	244
4								0	163	246	262	192
5							0	0	163	247	260	175
6							0	0	163	246	260	179
7							0	0	153	244	258	172
8							0	0	161	253	255	175
9							0	0	148	256	263	173
10							0	0	65	260	257	158
11							0	0	14	268	259	142
12							0	0	1.8	258	253	132
13							0	0	.09	257	255	109
14							0	0	0	253	259	107
15							0	0	0	260	262	109
16							0	0	0	258	255	114
17							0	0	0	258	258	112
18							0	0	0	263	261	113
19							0	0	0	259	261	119
20							0	0	32	258	259	109
21							0	110	176	258	257	104E
22							0	141	163	257	262	109E
23							0	143	170	257	259	109E
24							0	149	178	258	263	64E
25							0	116	207	260	260	61
26							0	137	239	262	263	11
27							0	136	252	259	260	0
28							0	140	255	259	255	0
29					-----		0	154	252	262	261	0
30					-----		0	152	245	259	263	0
31		-----			-----		0	156	-----	260	260	-----
TOTAL							0	1,534	3,666.89	7,944	8,040	3,596
MEAN							0	49.5	122	256	259	120
MAX							0	156	255	268	265	257
MIN							0	0	0	244	253	0
AC-FT							0	3,040	7,270	15,760	15,950	7,130
CAL YEAR 2000	MAX	274	MIN	0	AC-FT	55,390						
WTR YEAR 2001	MAX	268	MIN	0	AC-FT	49,150						

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

HORSE CREEK near Lyman, 06677500 - 2001

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 3,880 cubic feet per second July 10, gage height 10.43 feet; minimum daily discharge 15 cubic feet per second March 28, 29, April 1, and estimated January 19.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	51	30	22	18	18	15	23	199	69	174	143
2	69	49	29	22	18	19	16	22	193	68	153	153
3	66	46	29	21	18	19	23	30	201	68	145	185
4	70	44	29	22	17	18	18	35	217	68	119	186
5	73	43	28	22	19	18	16	50	240	74	118	189
6	70	42	27	23	21	18	16	172	241	72	112	191
7	67	42	29	23	20	18	17	46	229	82	102	187
8	66	39	29	22E	20E	18	16	38	221	90	103	200E
9	65	40	29	20E	20E	17	16	35	222	88	106	190E
10	63	38	26	21E	21E	18	17	32	215	2,200E	110	210E
11	62	37	24E	20E	22E	18	38	30	205	1,400E	107	225E
12	60	36E	25E	20E	20	18	36	29	193	480E	104	249
13	59	36E	26E	19E	20	18	24	27	188	350E	111	191
14	57	37E	28E	19E	18	17	21	26	164	340E	117	230
15	55	33E	26E	19E	20E	18	20	24	162	330E	118	320
16	54	36E	24E	18E	20	18	19	57	209	320E	120	338
17	52	36E	25E	17E	20E	19	19	59	224	310E	121	351
18	51	34E	24	16E	20	18	18	23	179	280E	109	471
19	50	32	24E	15E	21	17	18	22	153	220E	109	397
20	49	32	24	16E	21	17	18	21	162	183	107	330
21	48	31	24E	18	21	17	18	118	200	163	103	212
22	49	31	23E	18	20	17	23	255	202	151	102	150
23	50	31	23	18	21	17	31	230	177	143	102	125
24	48	30	23	18	21	16	69	215	153	157	96	113
25	48	30	21	18	20	16	44	226	169	156	88	122
26	47	30	21E	17	19	16	32	227	159	200	87	110
27	46	31	22E	18	17	16	29	233	152	250	93	97
28	47	31	22	18	18	15	26	252	124	204	98	89
29	48	30	21	18	-----	15	25	249	71	181	112	83
30	45	30	22	17	-----	16	24	228	68	174	113	78
31	44	-----	21	16E	-----	16	-----	208	-----	179	132	-----
TOTAL	1,753	1,088	778	591	551	536	722	3,242	5,492	9,050	3,491	6,115
MEAN	56.5	36.3	25.1	19.1	19.7	17.3	24.1	105	183	292	113	204
MAX	75	51	30	23	22	19	69	255	241	2,200	174	471
MIN	44	30	21	15	17	15	15	21	68	68	87	78
AC-FT	3,480	2,160	1,540	1,170	1,090	1,060	1,430	6,430	10,890	17,950	6,920	12,130
CAL YEAR 2000 TOTAL		30,947	MEAN	84.6	MAX	544	MIN	10	AC-FT	61,380		
WTR YEAR 2001 TOTAL		33,409	MEAN	91.5	MAX	2,200	MIN	15	AC-FT	66,270		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

SHEEP CREEK near Morrill, 06678000 - 2001

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.
E indicates estimated daily discharge. 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 111 cubic feet per second October 6, gage height 2.57 feet; minimum daily discharge 2.0 cubic feet per second September 27.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102E	98	82	71	71	70	62	58	3.7	4.0	4.1	2.9
2	102E	96	80	71	71	70	63	60	3.6	3.9	4.3	3.1
3	100	93	79	71	71	70	61	65	3.6	3.8	4.5	2.9
4	102	92	77	71	72	69	60	62	3.7	3.8	4.6	2.9
5	102	92	77	71	72	68	59	69	3.6	3.8	4.4	3.0
6	103	92	76	71	71	69	60	71	3.5	3.9	3.9	3.0
7	102	94	76	71	71	69	59	64	3.4	4.6	3.8	3.0
8	102	95	75	71	69	69	59	62	4.6	4.2	3.8	2.8
9	101	93	76	71	68	69	58	62	64	4.1	3.6	2.6
10	101	92	75	71	68	70	59	60	63	4.3	3.6	2.7
11	100	93	76	71	67	70	63	60	61	4.2	4.1	2.7
12	99	91	77	71	65	70	59	60	63	4.0	4.2	2.8
13	100	92	76	71	65	70	58	60	61	4.0	4.3	2.8
14	98	92	76	70	64	70	58	59	60	4.0	4.1	2.7
15	98	92	75	71	63	71	58	59	55	3.9	3.8	2.6
16	97	90	76	71	61	70	57	62	57	3.9	3.7	2.5
17	97	87	76	70	62	69	57	63	58	3.7	3.8	2.7
18	96	87	75	71	63	69	57	63	59	3.8	2.9	2.8
19	95	86	77	70	63	69	58	64	54	3.9	2.2	2.4
20	94	86	75	70	63	69	58	66	57	3.9	2.1	2.4
21	94	85	74	70	64	69	56	67	27	3.9	2.2	2.3
22	98	85	74	70	65	70	63	67	4.8	3.9	2.3	2.2
23	99	84	73	70	65	69	63	66	4.2	3.9	2.4	2.1
24	96	84	73	70	67	69	63	65	4.0	4.6	2.5	2.1
25	98	83	73	71	67	68	61	64	4.7	5.5	2.5	2.2
26	96	83	73	70	67	68	60	65	4.2	5.4	2.6	2.2
27	94	83	73	71	68	67	60	22 E	4.1	5.2	2.7	2.0
28	95	83	72	71	69	65	60	3.9E	3.8	4.8	2.9	2.1
29	96	83	72	71	-----	64	60	3.9E	4.0	4.6	2.9	2.1
30	93	81	71	70	-----	64	59	3.9	4.1	4.3	2.8	2.1
31	91	-----	71	71	-----	63	-----	3.9	-----	4.2	3.0	-----
TOTAL	3,041	2,667	2,331	2,191	1,872	2,126	1,788	1,680.6	848.0	130.0	104.6	76.7
MEAN	98.1	88.9	75.2	70.7	66.9	68.6	59.6	54.2	28.3	4.19	3.37	2.56
MAX	103	98	82	71	72	71	63	71	64	5.5	4.6	3.1
MIN	91	81	71	70	61	63	56	3.9	3.4	3.7	2.1	2.0
AC-FT	6,030	5,290	4,620	4,350	3,710	4,220	3,550	3,330	1,680	258	207	152
CAL YEAR 2000 TOTAL		18,308.30	MEAN	50.0	MAX	103	MIN	2.4	AC-FT	36,310		
WTR YEAR 2001 TOTAL		18,855.90	MEAN	51.7	MAX	103	MIN	2.0	AC-FT	37,400		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

ENTERPRISE CANAL from North Platte River, 00040000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	56	118	102	89
2								0	56	103	102	84
3								0	58	112	114	86
4							0	0	59	117	117	85
5							0	0	60	124	122	83
6							0	0	51	127	122	79
7							0	0	50	127	130	70
8							0	0	56	115	122	64
9							0	0	61	127	116	62
10							0	0	62	120	112	59
11							0	0	58	75	113	54
12							0	0	56	79	98	53
13							0	0	57	91	92	53
14							0	0	60	82	96	51
15							0	0	60	80	100	48
16							0	30	62	79	107	43
17							0	55	61	89	107	42
18							0	53	61	106	101	37
19							0	53	64	114	102	30
20							0	52	70	104	98	29
21							0	54	68	103	94	17
22							0	58	72	117	93	0
23							0	51	80	111	101	0
24							0	49	78	112	104	0
25							0	52	99	119	105	0
26							0	56	101	135	88	
27							0	55	100	147	92	
28							0	52	112	120	103	
29					-----		0	50	108	121	106	
30					-----		0	54	110	114	108	
31		-----			-----		-----	57	-----	107	106	-----
TOTAL							0	831	2,106	3,395	3,273	1,218
MEAN							0	26.8	70.2	110	106	48.7
MAX							0	58	112	147	130	89
MIN							0	0	50	75	88	0
AC-FT							0	1,650	4,180	6,730	6,490	2,420
CAL YEAR 2000	MAX	150	MIN	0	AC-FT	25,410						
WTR YEAR 2001	MAX	147	MIN	0	AC-FT	21,470						

NORTH PLATTE RIVER BASIN

DRY SPOTTED TAIL CREEK at Mitchell, 06679000 - 2001

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 427 cubic feet per second July 11, gage height 3.40 feet; minimum daily discharge 13 cubic feet per second April 15, 16, & 18.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	31	27	27	23	20	15	16	23	46	67	69
2	37	29	27	27	22	20	16	19	23	51	63	71
3	36	27	27	27	23	20	16	21	23	52	62	74
4	36	27	26	29	22	19	15	20	27	47	60	72
5	36	27	26	31	22	20	15	25	26	63	57	68
6	35	26	26	31	22	20	15	30	21	55	59	70
7	34	25	26	26	22	19	14	22	20	60	58	71
8	34	24	26	25	22	19	14	22	26	58	58	80
9	34	24	26	25	21	19	14	27	32	60	61	79
10	34	24	24	25	22	20	15	38	32	176	63	76
11	34	24	25	25	22	20	15	48	28	218	64	72
12	34	23	25	24	22	20	14	46	26	105	62	67
13	34	22E	25	24	22	21	14	42	25	95	61	63
14	34	22E	25	24	21	20	14	34	26	93	60	64
15	33	22E	25	24	21	20	13	29	23	88	61	69
16	33	21E	27	24	21	20	13	39	19	79	63	65
17	33	23E	26	23	21	20	14	71	18	69	64	68
18	33	27E	26	24	21	19	14	74	18	71	66	84
19	34	28E	28	24	21	19	13	75	18	75	65	67
20	32	28E	29	23	21	19	14	76	19	77	66	62
21	32	31E	29	23	20	20	14	61	24	79	66	57
22	34	29	30	23	20	20	16	49	29	84	65	56
23	33	30	29	23	20	19	16	44	36	74	62	53
24	32	30	30	24	21	19	16	44	39	69	60	68
25	31	30	29	22	21	20	15	47	46	74	62	98
26	31	30	28	23	20	20	15	47	44	78	62	93
27	31	30	27	22	20	19	15	44	43	89	61	92
28	31	29	28	23	20	19	15	46	43	79	59	90
29	31	29	27	23	-----	16	14	38	44	79	64	89
30	30	26	27	23	-----	16	15	29	44	80	64	88
31	29	-----	27	22	-----	16	-----	24	-----	77	65	-----
TOTAL	1,033	798	833	763	596	598	438	1,247	865	2,500	1,930	2,195
MEAN	33.3	26.6	26.9	24.6	21.3	19.3	14.6	40.2	28.8	80.6	62.3	73.2
MAX	38	31	30	31	23	21	16	76	46	218	67	98
MIN	29	21	24	22	20	16	13	16	18	46	57	53
AC-FT	2,050	1,580	1,650	1,510	1,180	1,190	869	2,470	1,720	4,960	3,830	4,350

CAL YEAR 2000 TOTAL 14,842 MEAN 40.6 MAX 125 MIN 13 AC-FT 29,440
WTR YEAR 2001 TOTAL 13,796 MEAN 37.8 MAX 218 MIN 13 AC-FT 27,360

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER at Mitchell, 06679500 - 2001

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,510 cubic feet per second July 11, gage height 5.79 feet; minimum daily discharge 224 cubic feet per second July 4.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,010	648	517	416	371	393	370	359	366	259	368	346
2	862	662	517	415	374	393	375	365	368	252	339	376
3	807	640	516	412	377	393	389	415	384	247	339	397
4	771	618	514	411	372	390	378	447	428	224	329	393
5	744	601	511	410	375	388	373	476	506	233	329	380
6	718	589	505	410	376	387	368	633	480	240	329	407
7	699	577	506	408	378	389	366	538	438	251	325	460
8	695	573	508	402	370	388	362	503	460	251	327	527
9	680	578	505	401	368	389	360	496	627	252	334	524
10	667	572	491	401	368	391	364	503	679	1,550	332	542
11	669	570	470E	404	376	395	381	503	634	2,000	327	557
12	653	553	466	400	375	395	399	491	593	1,340	304	535
13	636	552	465	398	376	392	380	489	582	1,110	287	499
14	700	548	472	394	375	389	370	472	571	1,010	280	505
15	707	550	478	389	373	389	365	421	537	928	283	570E
16	699	550	462	388	377	390	358	309	540	881	305	600E
17	687	546	461	385	380	386	352	384	550	749	317	690E
18	676	547	468	388	383	385	349	416	520	577	304	890E
19	670	548	464	386	385	383	355	396	375	490	301	870E
20	660	542	464	386	387	382	358	380	364	439	292	940E
21	654	542	448	385	387	383	362	374	396	395	290	1,060E
22	661	539	453	382	389	384	386	523	363	403	288	1,070E
23	671	539	454	384	389	381	397	533	339	388	297	940E
24	659	539	448	383	394	380	439	521	296	378	297	840E
25	654	538	446	383	390	379	434	486	310	395	310	947
26	643	533	433	379	390	378	408	464	286	437	288	974
27	637	533	434	375	387	377	386	437	268	613	276	936
28	638	531	433	383	388	376	375	420	285	504	282	934
29	641	525	424	382	-----	372	369	418	275	489	301	920
30	630	522	424	378	-----	373	364	404	252	458	313	912
31	624	-----	422	370	-----	372	-----	384	-----	417	322	-----
TOTAL	21,522	16,905	14,579	12,188	10,630	11,942	11,292	13,960	13,072	18,160	9,615	20,541
MEAN	694	564	470	393	380	385	376	450	436	586	310	685
MAX	1,010	662	517	416	394	395	439	633	679	2,000	368	1,070
MIN	624	522	422	370	368	372	349	309	252	224	276	346
AC-FT	42,690	33,530	28,920	24,170	21,080	23,690	22,400	27,690	25,930	36,020	19,070	40,740
CAL YEAR 2000 TOTAL		191,435	MEAN	523	MAX	1,780	MIN	227	AC-FT	379,700		
WTR YEAR 2001 TOTAL		174,406	MEAN	478	MAX	2,000	MIN	224	AC-FT	345,900		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

TUB SPRINGS near Scottsbluff, 06680000 - 2001

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 304 cubic feet per second July 10, gage height 2.62 feet; minimum daily discharge 20 cubic feet per second March 27 - April 1.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	51	37	32	27	22	20	26	43	38	50	62
2	54	49	36	32	27	23	30	27	44	38	50	59
3	55	49	36	32	27	23	33	30	48	37	50	61
4	56	48	35	32	27	23	26	29	61	41	49	59
5	55	47	35	32	27	23	25	34	61	46	49	60
6	54	46	35	31	27	23	24	34	53	48	45	62
7	56	44	35	31	26	23	24	30	50	51	49	58
8	57	44	35	31	26	23	23	30	59	53	46	60
9	57	45	35	31	25	23	23	29	66	55	43	61
10	57	44	34	31	25	23	24	31	65	122	46	57
11	56	44	34	31	25	24	26	33	64	88	47	58
12	55	44	34	31	25	23	24	33	61	76	45	57
13	54	43	33	31	25	23	23	33	60	86	42	58
14	53	43	33	31	25	23	23	33	60	81	45	60
15	52	43	33	31	25	23	23	33	58	76	46	70
16	51	43	33	31	24	22	23	39	58	65	52	71
17	50	42	34	31	23	22	23	40	56	62	50	82
18	49	42	33	30	23	22	23	39	49	66	49	88
19	49	42	33	30	23	21	24	40	46	67	49	68
20	50	42	33	31	23	21	24	43	48	67	50	65
21	50	42	32	30	23	21	24	48	42	64	49	60
22	54	42	32	30	23	21	26	78	35	60	49	51
23	53	42	32	30	24	21	27	67	37	54	50	51
24	50	42	32	30	24	21	25	61	36	57	50	59
25	49	42	32	30	23	21	24	58	37	61	54	72
26	48	42	32	29	23	21	23	62	44	72	48	67
27	48	42	32	29	22	20	23	63	41	75	43	62
28	49	41	32	29	22	20	24	62	39	65	45	62
29	56	41	32	29	-----	20	25	62	36	63	47	61
30	50	39	32	28	-----	20	26	55	36	62	52	59
31	49	-----	32	28	-----	20	-----	46	-----	54	57	-----
TOTAL	1,630	1,310	1,038	945	689	679	735	1,328	1,493	1,950	1,496	1,880
MEAN	52.6	43.7	33.5	30.5	24.6	21.9	24.5	42.8	49.8	62.9	48.3	62.7
MAX	57	51	37	32	27	24	33	78	66	122	57	88
MIN	48	39	32	28	22	20	20	26	35	37	42	51
AC-FT	3,230	2,600	2,060	1,870	1,370	1,350	1,460	2,630	2,960	3,870	2,970	3,730
CAL YEAR 2000 TOTAL		15,982	MEAN	43.7	MAX	231	MIN	21	AC-FT	31,700		
WTR YEAR 2001 TOTAL		15,173	MEAN	41.6	MAX	122	MIN	20	AC-FT	30,100		

NORTH PLATTE RIVER BASIN

WINTERS CREEK CANAL from North Platte River, 00148000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	8.3	24	24	25
2								0	8.5	25	23	26
3							0	0	9.2	24	25	27
4							0	0	10	24	26	27
5							0	0	11	25	26	26
6								0	11	26	25	26
7							0	0	11	27	25	27
8							0	0	11	28	26	29
9							0	0	12	29	25	29
10							0	0	12	19	26	25
11							0	7.2	12	20	26	21
12							0	10	12	18	26	21
13							0	9.6	12	17	25	23
14							0	9.5	12	19	25	23
15							0	8.8	12	20	25	25
16							0	5.4	12	20	26	24
17							0	9.4	11	22	26	23
18							0	13	11	22	26	23
19							0	13	10	22	27	23
20							0	13	12	28	26	23
21							0	13	12	27	26	21
22							0	14	13	27	25	20
23							0	14	11	27	26	20
24							0	13	15	27	26	19
25							0	12	18	27	25	19
26							0	12	18	27	25	20
27							0	11	16	30	24	8.2
28							0	10	19	28	24	0
29					-----		0	9.3	23	27	24	0
30					-----		0	8.7	24	26	25	0
31		-----			-----		-----	8.1	-----	25	25	-----
TOTAL							0	224.0	389.0	757	784	623.2
MEAN							0	7.23	13.0	24.4	25.3	20.8
MAX							0	14	24	30	27	29
MIN							0	0	8.3	17	23	0
AC-FT							0	444	772	1,500	1,560	1,240
CAL YEAR 2000	MAX	32	MIN	0	AC-FT	4,970						
WTR YEAR 2001	MAX	30	MIN	0	AC-FT	5,510						

NORTH PLATTE RIVER BASIN

WINTERS CREEK CANAL from Winters Creek, 00149000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	15	66	50	43
2								0	15	63	47	37
3							0	0	15	54	44	31
4							0	0	19	43	44	34
5							0	0	16	0	44	37
6							0	0	15	0	42	34
7							0	0	14	0	42	31
8							0	0	6.1	0	42	32
9							0	0	0	0	41	30
10							0	0	0	4.9	41	33
11							0	0	0	0	40	34
12							0	0	0	0	41	30
13							0	2.5	0	0	40	30
14							0	17	8.9	0	41	31
15							0	17	18	0	41	28
16							0	8.6	20	16	42	26
17							0	0	19	19	42	28
18							0	9.0	19	26	43	30
19							0	14	21	43	43	21
20							0	12	23	40	43	19
21							0	15	21	42	42	22
22							0	19	24	41	43	23
23							0	17	28	43	42	22
24							0	19	29	44	44	21
25							0	16	31	45	43	19
26							0	8.8	34	47	42	13
27							0	9.2	35	49	43	3.5
28							0	9.5	47	45	42	0
29					-----		0	9.7	51	45	42	0
30					-----		0	14	56	48	42	0
31		-----			-----		-----	16	-----	50	43	-----
TOTAL							0	233.3	600.0	873.9	1,321	742.5
MEAN							0	7.53	20.0	28.2	42.6	24.8
MAX							0	19	56	66	50	43
MIN							0	0	0	0	40	0
AC-FT							0	463	1,190	1,730	2,620	1,470
CAL YEAR 2000	MAX	60	MIN	0	AC-FT	10,090						
WTR YEAR 2001	MAX	66	MIN	0	AC-FT	7,480						

NORTH PLATTE RIVER BASIN

CENTRAL CANAL from North Platte River, 00022000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	22	29	33	33
2							0	0	22	28	37	33
3							0	0	20	30	32	33
4							0	0	15	32	30	33
5							0	0	11	3.0E	30	30
6							0	0	11	3.0E	32	28
7							0	0	12	3.0E	36	27
8							0	0	16	3.0E	34	29
9							0	0	18	1.3 E	33	28
10							0	0	19	1.3 E	32	28
11							0	0	19	3.0E	34	28
12							0	0	25	3.0E	37	28
13							0	0	27	1.5 E	36	28
14							0	0	25	24	34	28
15							0	0	25	21	33	25
16							0	0	25	29	34	20
17							0	4.9	27	30	27	19
18							0	12	28	30	28	14
19							0	12	27	30	30	4.2E
20							0	12	27	30	32	4.2E
21							0	12	27	32	32	4.2E
22							0	13	27	30	32	4.2E
23							0	15	27	28	32	4.2E
24							0	17	27	34	31	8.0E
25							0	18	28	34	30	20
26							0	20	29	31	32	19
27							0	21	29	32	29	18
28							0	20	30	31	29	13
29					-----		0	23	30	32	33	0
30					-----		0	24	31	33	33	0
31		-----			-----		-----	22	-----	34	32	0
TOTAL							0	245.9	706	723.0	999	591.0
MEAN							0	7.93	23.5	23.3	32.2	19.1
MAX							0	24	31	34	37	33
MIN							0	0	11	3.0	27	0
AC-FT							0	488	1,400	1,430	1,980	1,170
CAL YEAR 2000	MAX	35	MIN	0	AC-FT	6,760						
WTR YEAR 2001	MAX	37	MIN	0	AC-FT	6,480						

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

WINTERS CREEK near Scottsbluff, 06681000 - 2001

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 462 cubic feet per second July 10, gage height 5.62 feet; minimum daily discharge 16.0 cubic feet per second June 29.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	68	51	47	40	33	39	41	44	21	47	95
2	73	68	51	47	41	33	47	41	42	26	47	126
3	73	64	51	47	39	33	50	42	42	21	48	129
4	72	62	51	47	40	32	41	41	49	25	49	125
5	71	62	51	47	40	32	40	47	45	67	48	124
6	70	61	49	47	40	33	40	45	44	67	49	105
7	70	61	50	47	40	32	40	42	43	66	50	92
8	70	61	50	46	40	32	39	42	53	80	51	93
9	71	61	51	46	39	32	38	42	55	76	52	117
10	70	60	53	47	39	32	39	41	51	190	52	129
11	68	59	50	47	39	33	41	42	47	122	52	129
12	68	60	52	47	39	33	39	45	45	122	57	127
13	68	59	50	47	38	33	39	51	44	128	55	126
14	69	59	51	44	38	33	39	39	37	152	57	127
15	68	59	52	42	37	33	37	32	32	137	58	136
16	68	58	51	42	37	32	38	49	31	105	59	145
17	68	57	52	42	37	32	38	53	29	89	58	154
18	67	56	51	42	37	32	38	66	29	76	61	163
19	68	57	52	42	36	27	39	59	30	61	66	145
20	67	56	51	42	36	31	38	51	32	44	59	127
21	66	55	48	42	36	32	38	56	35	41	52	124
22	74	55	49	42	36	32	39	73	35	37	56	120
23	70	54	49	42	35	32	39	73	30	38	60	116
24	71	55	49	41	35	32	38	76	30	41	58	113
25	68	54	48	41	34	33	38	69	31	43	64	106
26	67	53	48	41	34	33	38	53	28	44	73	95
27	66	53	48	41	34	33	38	53	23	46	71	88
28	69	53	50	41	33	33	39	52	18	47	61	84
29	75	52	48	41	-----	34	39	51	16	46	45	82
30	68	52	48	41	-----	36	39	47	17	47	53	79
31	66	-----	48	41	-----	38	-----	45	-----	48	73	-----
TOTAL	2,154	1,744	1,553	1,359	1,049	1,011	1,184	1,559	1,087	2,153	1,741	3,521
MEAN	69.5	58.1	50.1	43.8	37.5	32.6	39.5	50.3	36.2	69.5	56.2	117
MAX	75	68	53	47	41	38	50	76	55	190	73	163
MIN	66	52	48	41	33	27	37	32	16	21	45	79
AC-FT	4,270	3,460	3,080	2,700	2,080	2,010	2,350	3,090	2,160	4,270	3,450	6,980
CAL YEAR 2000	TOTAL	18,602	MEAN	50.8	MAX	163	MIN	20	AC-FT	36,900		
WTR YEAR 2001	TOTAL	20,115	MEAN	55.1	MAX	190	MIN	16	AC-FT	39,900		

NORTH PLATTE RIVER BASIN

MINATARE CANAL from North Platte River, 00099000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	9.3					39	26	45	93	78	70
2	40	0					40	27	44	85	92	70
3	40						39	30	47	92	92	69
4	40						27	31	44	84	89	68
5	41						28	31	46	65	85	66
6	42						30	26	48	84	86	65
7	41						31	28	47	83	91	65
8	41						30	33	46	90	96	68
9	41						31	34	51	82	95	68
10	41						34	33	44	73	96	61
11	41						28	33	46	53	95	56
12	41						29	32	47	45	93	55
13	40						33	33	46	60	93	53
14	39						31	33	49	69	92	54
15	38						30	32	52	62	92	50
16	25						29	30	52	70	94	37
17	41						29	38	60	71	93	38
18	40						28	43	60	65	91	40
19	41						26	40	55	74	91	39
20	40						24	39	58	91	93	35
21	40						26	41	68	99	94	34
22	40						27	41	62	92	94	31
23	40						28	40	60	93	93	30
24	41						26	38	48	94	95	29
25	42						29	37	62	94	97	30
26	41						29	36	71	88	93	30
27	41						30	35	78	77	88	30
28	42						29	34	87	75	85	30
29	42				-----	19	27	33	89	74	77	30
30	31				-----	30	26	44	91	74	73	29
31	23	-----			-----	37	-----	47	-----	72	70	-----
TOTAL	1,216	9.3				86	893	1,078	1,703	2,423	2,786	1,430
MEAN	39.2	4.65				28.7	29.8	34.8	56.8	78.2	89.9	47.7
MAX	42	9.3				37	40	47	91	99	97	70
MIN	23	0				19	24	26	44	45	70	29
AC-FT	2,410	18				171	1,770	2,140	3,380	4,810	5,530	2,840
CAL YEAR 2000	MAX	100	MIN	0	AC-FT	26,860						
WTR YEAR 2001	MAX	99	MIN	0	AC-FT	23,060						

NORTH PLATTE RIVER BASIN

GERING CREEK near Gering, 06681500 - 2001

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.

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 2,860 cubic feet per second June 30, gage height 11.83 feet; minimum daily discharge 18 cubic feet per second March 4, 7, April 29, 30, May 1.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	32	24	23	22	20	24	18	176	441	133	166
2	86	29	24	24	22	19	22	19	164	181	128	186
3	88	28	25	24	23	19	25	24	165	167	124	192
4	91	28	25	24	22	18	22	21	201	189	120	171
5	93	29	25	24	23	19	22	56	164	176	113	159
6	91	29	26	24	22	19	22	51	162	135	112	157
7	117	28	26	23	22	18	23	23	157	129	115	170
8	133	28	25	23	21	19	22	22	156	160	110	184
9	128	28	26	23	20	20	21	21	151	147	110	200
10	100	28	24	23	20	20	25	20	145	921	124	200
11	87	28	23	23	20	20	40	20	137	480	125	200
12	87	26	23	23	20	21	26	21	140	254	122	193
13	75	26	23	24	21	21	21	21	134	300	125	196
14	43	26	24	23	20	21	21	20	111	212	123	209
15	31	27	25	23	20	20	21	20	129	202	124	220
16	30	26	24	23	20	20	20	20	116	196	125	230
17	30	26	24	23	20	21	20	21	87	205	123	224
18	29	26	24	23	21	21	21	21	90	179	119	201
19	29	27	24	23	21	21	21	21	118	162	128	127
20	28	27	24	23	21	21	21	21	132	139	132	99
21	28	27	23	23	21	22	21	59	135	123	126	108
22	32	27	24	23	20	22	27	224	110	114	121	115
23	31	27	23	23	20	22	30	216	90	123	129	121
24	29	27	23	23	21	22	31	181	103	127	131	114
25	29	27	23	23	19	23	24	170	123	123	133	94
26	28	27	23	23	19	23	21	169	110	190	131	44
27	28	28	23	22	19	23	20	185	106	183	133	35
28	31	28	24	23	19	23	19	194	78	180	134	34
29	46	27	23	23	-----	23	18	196	74	170	139	34
30	31	26	23	23	-----	24	18	189	196	167	128	34
31	30	-----	23	22	-----	25	-----	176	-----	148	144	-----
TOTAL	1,824	823	743	717	579	650	689	2,440	3,960	6,623	3,884	4,417
MEAN	58.8	27.4	24.0	23.1	20.7	21.0	23.0	78.7	132	214	125	147
MAX	133	32	26	24	23	25	40	224	201	921	144	230
MIN	28	26	23	22	19	18	18	18	74	114	110	34
AC-FT	3,620	1,630	1,470	1,420	1,150	1,290	1,370	4,840	7,850	13,140	7,700	8,760
CAL YEAR 2000	TOTAL	25,338	MEAN	69.2	MAX	232	MIN	18	AC-FT	50,260		
WTR YEAR 2001	TOTAL	27,349	MEAN	74.9	MAX	921	MIN	18	AC-FT	54,250		

NORTH PLATTE RIVER BASIN

CASTLE ROCK - STEAMBOAT CANAL from North Platte River, 00021000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32							35	60	80	88	45
2	23							31	60	83	87	42
3	18							33	58	63	88	33
4	17						0	34	60	66	84	33
5	17						0	36	60	72	81	47
6	16						0	38	61	81	84	56
7	16						0	36	59	74	93	56
8	15						0	34	57	66	85	60
9	7.4						0	33	59	75	86	61
10	0						0	33	60	60	87	61
11	0						0	33	57	28	82	61
12							0	37	56	25	82	61
13							0	41	55	30	78	57
14							0	41	54	29	77	56
15							0	40	59	50	77	47
16							0	42	64	70	78	41
17							0	49	61	75	80	30
18							.34	52	65	88	79	15
19							25	52	74	89	75	14
20							28	52	74	85	72	15
21							31	52	75	82	77	16
22							36	54	72	83	79	16
23							33	47	80	85	82	15
24							34	43	84	84	85	15
25							34	45	85	85	86	7.1
26							33	49	82	82	85	0
27							38	52	83	77	84	0
28							40	51	74	85	83	
29							40	60	60	82	84	
30							40	64	28	86	83	
31		-----			-----		-----	62	-----	87	77	-----
TOTAL	161.4						412.34	1,361	1,936	2,207	2,548	960.1
MEAN	14.7						15.3	43.9	64.5	71.2	82.2	35.6
MAX	32						40	64	85	89	93	61
MIN	0						0	31	28	25	72	0
AC-FT	320						818	2,700	3,840	4,380	5,050	1,900
CAL YEAR 2000	MAX	96	MIN	0	AC-FT	21,030						
WTR YEAR 2001	MAX	93	MIN	0	AC-FT	19,010						

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER near Minatare, 06682000 - 2001

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 3,070 cubic feet per second July 11, combined channel discharge; minimum daily discharge 324 cubic feet per second June 29, combined channel discharge.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,460	982	753	675	619	554	507	507	720	729	647	708
2	1,340	1,010	755	676	620	554	508	512	697	468	581	770
3	1,280	984	750	681	629	555	630	563	711	428	548	814
4	1,240	965	749	670E	627	552	556	586	843	406	536	796
5	1,210	951	748	674E	629	552	540	672	871	687	528	759
6	1,180	917	752	675E	632	555	527	851	875	604	524	740
7	1,170	881	755	668E	624	555	524	800	793	590	505	755
8	1,150	879	747	666E	611	557	515	719	761	707	484	862
9	1,160	888	742	670E	622E	566	509	685	857	642	480	931
10	1,160	873	732	665E	628E	561	524	685	984	1,970	524	990
11	1,150	876	738E	671	618	562	559	686	955	2,740	546	1,010
12	1,140	861E	743E	675	610	577	569	674	916	2,220	535	1,010
13	1,140	858	761E	676	604	572	547	667	887	1,800	538	977
14	1,120	839	725	664	601	574	534	652	847	1,620	522	986
15	1,090	831	717	666	605	568	521	632	803	1,500	528	1,100
16	1,080	820	700E	663	591	564	508	559	777	1,360	541	1,230
17	1,070	807	700E	658	587	566	504	524	761	1,220	564	1,310
18	1,070	812	710	662	591	563	505	640	748	1,010	562	1,600
19	1,080	820	704	660	588	561	486	721	643	835	570	1,540
20	1,060E	811	702	658	584	564	475	721	561	704	577	1,410
21	1,050E	808	710E	657	585	560	478	699	587	620	554	1,530
22	1,050E	801	705E	650	576	564	507	871	551	551	529	1,520
23	1,040E	802	690	643	576	556	551	1,040	483	559	530	1,440
24	1,000E	792	689	641	591	552	579	971	455	565	532	1,330
25	981E	785	696	643	575	551	589	927	442	573	541	1,370
26	956	780	700	640	561	548	568	884	421	673	521	1,330
27	944	785	697	631	553	552	538	885	395	952	504	1,230
28	976	775	693	643	545	546	521	864	350	894	503	1,190
29	1,060	763	680	648	-----	535	518	833	324	839	525	1,180
30	985	763	680	643	-----	517	508	805	343	774	542	1,160
31	963	-----	681	629	-----	511	-----	746	-----	705	565	-----
TOTAL	34,355	25,519	22,304	20,441	16,782	17,224	15,905	22,581	20,361	29,945	16,686	33,578
MEAN	1,108	851	719	659	599	556	530	728	679	966	538	1,119
MAX	1,460	1,010	761	681	632	577	630	1,040	984	2,740	647	1,600
MIN	944	763	680	629	545	511	475	507	324	406	480	708
AC-FT	68,140	50,620	44,240	40,540	33,290	34,160	31,550	44,790	40,390	59,400	33,100	66,600

CAL YEAR 2000 TOTAL 278,358 MEAN 761 MAX 1,890 MIN 396 AC-FT 552,100
 WTR YEAR 2001 TOTAL 275,681 MEAN 755 MAX 2,740 MIN 324 AC-FT 546,800

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

NINE MILE CANAL from North Platte River, 00106000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9							9.5	21	36	29	29
2	7.8							9.6	20	28	25	28
3	8.6						0	13	20	26	21	23
4	5.3						0	13	18	28	20	23
5	0						0	9.1	15	33	19	17
6							0	.77	14	30	15	8.7
7							0	1.8	12	27	16	8.6
8							0	7.8	9.9	20	34	9.0
9							0	7.0	11	24	31	11
10							0	7.2	10	29	35	11
11							0	7.3	10	24	34	10
12							0	10	10	23	31	10
13							0	19	10	25	29	10
14							0	21	14	25	28	10
15							0	17	19	32	30	10
16							0	9.8	19	30	30	11
17							0	11	21	27	33	10
18							0	19	28	25	33	9.6
19							0	25	29	28	32	7.8
20							4.3	25	28	20	32	5.2
21							6.7	23	24	25	30	4.4
22							9.5	24	24	18	30	3.6
23							12	22	25	16	28	1.6
24							14	21	32	14	30	2.4
25							13	26	29	17	30	11
26							12	25	25	24	30	11
27							10	25	26	29	29	10
28							7.9	23	26	23	26	10
29							10	23	27	30	23	10
30							10	22	33	30	27	10
31		-----			-----		-----	21	-----	30	27	-----
TOTAL	30.6						109.4	497.87	609.9	796	867	335.9
MEAN	6.12						3.91	16.1	20.3	25.7	28.0	11.2
MAX	8.9						14	26	33	36	35	29
MIN	0						0	.77	9.9	14	15	1.6
AC-FT	61						217	988	1,210	1,580	1,720	666
CAL YEAR 2000	MAX	62	MIN	0	AC-FT	9,100						
WTR YEAR 2001	MAX	36	MIN	0	AC-FT	6,440						

NORTH PLATTE RIVER BASIN

NINE MILE CANAL from Ninemile Creek, 00106100 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20							40	48	51	53	51
2	20						0	39	49	50	53	45
3	20						0	37	48	50	54	45
4	20						0	37	42	49	54	44
5	16						0	39	32	52	55	44
6	9.3						0	40	32	52	55	42
7	9.5						0	39	32	53	55	48
8	10						0	39	32	57	53	47
9	9.8						0	37	36	57	48	48
10	7.8						0	32	40	56	42	50
11	0						0	31	40	47	45	52
12	0						0	27	40	44	49	48
13							0	21	40	46	50	41
14							0	26	40	47	50	33
15							0	31	47	35	51	41
16							0	31	54	49	52	43
17							0	35	54	60	53	37
18							5.6	40	49	57	53	29
19							7.6	46	47	53	55	28
20							17	46	47	46	56	31
21							17	39	53	53	54	46
22							18	40	54	55	53	47
23							11	43	52	50	51	48
24							18	50	50	46	54	50
25							31	51	52	47	51	52
26							25	51	53	46	51	34
27							38	51	53	43	52	33
28							39	43	54	46	55	33
29					-----		36	37	54	46	54	36
30					-----		31	42	54	49	53	41
31		-----			-----		-----	51	-----	53	51	-----
TOTAL	142.4						294.2	1,211	1,378	1,545	1,615	1,267
MEAN	11.9						10.1	39.1	45.9	49.8	52.1	42.2
MAX	20						39	51	54	60	56	52
MIN	0						0	21	32	35	42	28
AC-FT	282						584	2,400	2,730	3,060	3,200	2,510
CAL YEAR 2000	MAX	58	MIN	0	AC-FT	16,120						
WTR YEAR 2001	MAX	60	MIN	0	AC-FT	14,780						

NORTH PLATTE RIVER BASIN

NINE MILE CREEK near McGrew, 06682500 - 2001

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, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 322 cubic feet per second July 10, gage height 3.58 feet; minimum daily discharge 29 cubic feet per second May 1.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	136	92	76E	67	62	54	29	49	57	157	213
2	136	128	91	76E	68	63	57	32	50	63	155	203
3	135	124	91	76E	69	62	63	51	57	59	155	201
4	132	122	90	75E	68	62	58	50	70	64	156	203
5	123	121	89	75E	69	62	58	59	80	91	158	205
6	125	117	89	75	69	62	59	55	82	78	158	181
7	123	114	90	74	68	62	58	49	80	84	150	174
8	122	115	89	74	67	62	57	52	81	102	150	172
9	125	112	89	73	65	62	56	48	75	101	151	177
10	131	110	87	73	66	62	59	41	58	237	163	173
11	137	110	85	73	66	62	64	39	53	279	171	163
12	136	107	86	72	66	63	62	43	50	230	173	164
13	132	108	85	71	65	62	61	49	53	231	155	178
14	129	107	86	71	64	61	61	44	51	229	152	185
15	127	106	86	69	64	61	60	39	54	212	151	204
16	126	103	82	69	64	61	59	37	45	204	162	226
17	124	102	84	68	63	60	61	40	46	185	173	228
18	123	101	82	67	64	60	62	38	48	164	168	243
19	121	101	83	68	64	60	60	52	43	163	171	228
20	120	100	82	68	63	60	56	64	42	149	176	209
21	119	100	80	68	63	61	53	52	45	130	171	201
22	133	100	80E	68	63	59	53	54	47	127	172	200
23	131	100	79E	68	62	58	62	56	43	142	177	189
24	124	99	79E	67	63	58	55	50	46	143	174	180
25	122	99	79E	67	62	57	36	48	45	156	179	179
26	120	98	78E	67	61	57	43	45	42	147	176	175
27	121	98	78E	67	62	57	32	44	43	196	178	158
28	139	96	78E	68	62	56	30	49	44	223	172	152
29	165	94	77E	68	-----	55	32	55	48	204	168	143
30	143	93	77E	67	-----	55	37	59	51	188	168	132
31	135	-----	77E	67	-----	55	-----	51	-----	173	178	-----
TOTAL	4,017	3,221	2,600	2,185	1,817	1,859	1,618	1,474	1,621	4,811	5,118	5,639
MEAN	130	107	83.9	70.5	64.9	60.0	53.9	47.5	54.0	155	165	188
MAX	165	136	92	76	69	63	64	64	82	279	179	243
MIN	119	93	77	67	61	55	30	29	42	57	150	132
AC-FT	7,970	6,390	5,160	4,330	3,600	3,690	3,210	2,920	3,220	9,540	10,150	11,180
CAL YEAR 2000	TOTAL	34,040	MEAN	93.0	MAX	245	MIN	20	AC-FT	67,520		
WTR YEAR 2001	TOTAL	35,980	MEAN	98.6	MAX	279	MIN	29	AC-FT	71,370		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

SHORT LINE CANAL from North Platte River, 00133000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5							0	45	38	28	17
2	3.4							0	47	38	27	21
3	1.3						0	0	45	39	28	26
4	0						0	0	49	45	27	26
5							0	0	41	43	30	26
6							0	0	37	44	33	24
7							0	0	36	42	33	24
8							0	0	30	22	32	24
9							0	0	24	36	32	24
10							0	0	18	31	35	23
11							0	0	16	16	35	22
12							0	0	16	4.6	34	21
13							0	0	16	3.4	29	22
14							0	0	20	2.3	28	23
15							0	0	27	14	29	25
16							0	0	20	30	30	26
17							0	0	20	32	31	26
18							0	0	29	29	30	27
19							0	0	31	28	30	26
20							0	0	28	27	31	24
21							0	0	27	26	30	24
22							0	0	32	29	30	23
23							0	17	30	32	30	23
24							0	27	33	34	30	23
25							0	25	35	34	30	22
26							0	26	33	34	29	22
27							0	34	33	35	30	21
28							0	45	33	31	29	20
29					-----		0	47	35	29	33	20
30					-----		0	43	35	31	46	19
31		-----			-----		-----	43	-----	29	41	-----
TOTAL	8.2						0	307	921	908.3	970	694
MEAN	2.05						0	9.90	30.7	29.3	31.3	23.1
MAX	3.5						0	47	49	45	46	27
MIN	0						0	0	16	2.3	27	17
AC-FT	16						0	609	1,830	1,800	1,920	1,380
CAL YEAR 2000	MAX	49	MIN	0	AC-FT	9,770						
WTR YEAR 2001	MAX	49	MIN	0	AC-FT	7,550						

NORTH PLATTE RIVER BASIN

CHIMNEY ROCK CANAL from North Platte River, 00024000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	0						0	8.8	78	60	25
2	30	0						0	9.0	73	63	39
3	29	0						0	10	85	68	36
4	26	0						0	19	83	68	36
5	26	0						0	16	86	69	32
6	26							0	9.3	88	68	31
7	26							0	9.3	89	66	28
8	26							0	9.5	79	61	28
9	27						0	0	9.7	76	54	29
10	27						0	0	9.7	73	55	32
11	26						0	6.0E	9.9	32	57	33
12	37						0	7.0E	30	25	58	33
13	42						0	8.0E	35	37	54	31
14	42						0	9.7	33	38	51	28
15	42						0	24	39	45	53	26
16	35						0	22	52 E	48	55	25
17	31						0	12	58 E	46	64	24
18	29						0	12	56	61	72	22
19	28						0	13	48	66E	73	23E
20	27						0	13	41	46E	71	22E
21	26						0	13	48	46E	68	19E
22	22						0	17	44	55E	69	18E
23	22						0	31	46 E	56	69	17E
24	21						0	29	68 E	58	71	16E
25	20						0	28	64	57	73	16E
26	20						0	42	65	54	69	15E
27	20						0	56	58	46E	68	14E
28	20						0	55	62	49E	69	13
29	8.0				-----		0	52	63	52E	71	15
30	0				-----		0	28	81	55E	72	17
31	0	-----			-----		-----	8.6	-----	58	69	-----
TOTAL	794.0	0					0	486.3	1,111.2	1,840	2,008	743
MEAN	25.6	0					0	15.7	37.0	59.4	64.8	24.8
MAX	42	0					0	56	81	89	73	39
MIN	0	0					0	0	8.8	25	51	13
AC-FT	1,570	0					0	965	2,200	3,650	3,980	1,470
CAL YEAR 2000 MAX		86	MIN	0	AC-FT	19,940						
WTR YEAR 2001 MAX		89	MIN	0	AC-FT	13,850						

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

ALLIANCE CANAL from Bayard Creek, 00002000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24						0	27	33	27	5.8	.98
2	22						7.6	26	33	26	16	0
3	22						13	25	36	26	14	9.5
4	23						13	23	38	26	15	19
5	25						14	22	36	27	16	18
6	23						15	16	35	26	16	19
7	20						15	9.4	36	27	15	20
8	21						15	7.4	35	28	16	20
9	20						16	7.0	34	28	17	20
10	20						18	8.7	33	33	19	19
11	9.3						20	8.9	33	34	19	18
12	0						9.3	7.8	33	31	18	18
13							0	11	31	27	18	18
14							0	19	28	26	18	19
15							3.4	22	27	26	17	23
16							11	23	25	27	18	22
17							13	25	23	27	17	21
18							12	25	22	26	18	23
19							13	25	25	23	18	22
20							18	26	24	20	19	21
21							20	26	25	21	19	20
22							21	29	26	21	18	20
23							23	30	26	19	19	20
24							21	32	26	17	18	19
25							24	30	26	15	17	18
26							24	29	27	12	17	18
27							28	30	27	0	17	17
28							29	31	26	0	15	16
29					-----		29	32	26	0	13	17
30					-----		29	34	26	0	13	16
31		-----			-----	0	-----	36	-----	0	12	-----
TOTAL	229.3					0	474.3	703.2	881	646	507.8	531.48
MEAN	19.1					0	15.8	22.7	29.4	20.8	16.4	17.7
MAX	25					0	29	36	38	34	19	23
MIN	0					0	0	7.0	22	0	5.8	0
AC-FT	455					0	941	1,390	1,750	1,280	1,010	1,050
CAL YEAR 2000	MAX	38	MIN	0	AC-FT	10,070						
WTR YEAR 2001	MAX	38	MIN	0	AC-FT	7,880						

NORTH PLATTE RIVER BASIN

ALLIANCE CANAL from Red Willow Creek, 00003000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18							0	22	41	46	0
2	18						0	0	24	39	48	0
3	18						0	0	17	38	49	0
4	19						0	0	22	41	49	16
5	20						0	0	25	43	50	24
6	20						0	0	24	40	51	26
7	17						0	0	20	40	54	21
8	16						0	0	24	45	52	18
9	16						0	7.4	20	48	52	20
10	16						0	15	11	44	52	25
11	13						0	16	14	17	48	24
12	1.3						0	16	9.5	24	48	21
13	0						0	15	7.1	27	45	18
14							0	16	7.5	30	47	21
15							0	17	7.4	32	48	24
16							0	17	8.1	38	50	25
17							0	16	9.1	34	51	26
18							0	16	11	35	52	26
19							0	.35	6.2	34	53	24
20							0	15	1.8	40	48	23
21							0	24	1.5	51	49	20
22							0	32	17	48	47	19
23							0	30	31	49	49	17
24							0	30	27	50	49	14
25							0	27	33	48	48	17
26							0	25	32	37	43	9.8
27							0	21	37	0	42	9.5
28							0	26	35	0	41	7.8
29					-----		0	24	39	5.2	39	7.3
30					-----		0	27	42	43	43	7.3
31		-----			-----		-----	23	-----	45	41	-----
TOTAL	192.3						0	455.75	585.2	1,106.2	1,484	510.7
MEAN	14.8						0	14.7	19.5	35.7	47.9	17.0
MAX	20						0	32	42	51	54	26
MIN	0						0	0	1.5	0	39	0
AC-FT	381						0	904	1,160	2,190	2,940	1,010
CAL YEAR 2000	MAX	56	MIN	0	AC-FT	12,250						
WTR YEAR 2001	MAX	54	MIN	0	AC-FT	8,600						

NORTH PLATTE RIVER BASIN

BAYARD CREEK near Bayard, 06683000 - 2001

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.

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 232 cubic feet per second September 1, gage height 3.16 feet; minimum daily discharge 2.3 cubic feet per second April 9.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	35	17	19	17	17	12	13	16	15	58	185
2	22	31	16	18	17	18	6.5	11	15	12	58	135
3	21	29	16	18	17	17	3.5	12	22	12	48	108
4	23	28	16	18	17	17	3.4	8.2	37	11	51	87
5	26	28	16	18	17	16	3.1	25	29	16	53	82
6	21	26	17	19	17	16	3.0	35	26	14	51	79
7	17	22	19	18	17	15	2.8	24	27	15	47	81
8	18	23	19	18	17	15	2.4	22	24	19	50	87
9	18	23	19	17	16	15	2.3	22	19	19	55	89
10	18	22	18	17	16	15	3.2	24	17	49	66	83
11	24	21	19	17	16	14	7.0	25	15	61	65	76
12	31	21	20	17	16	15	12	24	17	55	60	77
13	28	21	20	17	17	15	17	12	16	56	57	76
14	28	21	20	17	16	15	16	7.8	11	51	58	80
15	28	21	21	16	16	15	11	11	12	51	54	108
16	28	20	20	15	16	15	4.6	13	9.3	53	58	100
17	28	19	20	15	16	15	3.1	13	7.4	55	58	90
18	27	22	20	15	16	16	3.0	12	7.1	50	61	108
19	27	21	20	14	16	16	3.0	11	11	39	63	99
20	26	20	20	15	17	17	4.5	10	9.0	32	68	86
21	25	21	19	15	17	17	6.0	7.0	10	35	73	80
22	40	21	20	15	17	17	6.9	8.2	12	39	70	80
23	44	21	19	15	17	14	9.5	9.4	12	53	73	76
24	33	21	18	13	17	13	5.9	20	9.8	64	74	70
25	32	20	18	15	17	13	14	14	11	58	71	64
26	30	20	18	20	17	13	12	8.7	14	73	71	56
27	28	21	19	19	17	13	23	12	16	117	72	50
28	29	19	19	18	17	12	22	14	11	103	61	47
29	60	20	19	18	-----	12	21	17	11	98	53	48
30	50	20	19	18	-----	12	17	22	11	95	54	47
31	38	-----	19	17	-----	12	-----	30	-----	77	77	-----
TOTAL	893	678	580	521	466	462	260.7	497.3	464.6	1,497	1,888	2,534
MEAN	28.8	22.6	18.7	16.8	16.6	14.9	8.69	16.0	15.5	48.3	60.9	84.5
MAX	60	35	21	20	17	18	23	35	37	117	77	185
MIN	17	19	16	13	16	12	2.3	7.0	7.1	11	47	47
AC-FT	1,770	1,340	1,150	1,030	924	916	517	986	922	2,970	3,740	5,030
CAL YEAR 2000	TOTAL	8,660.90	MEAN	23.7	MAX	60	MIN	2.3	AC-FT	17,180		
WTR YEAR 2001	TOTAL	10,741.60	MEAN	29.4	MAX	185	MIN	2.3	AC-FT	21,310		

NORTH PLATTE RIVER BASIN

RED WILLOW CREEK near Bayard, 06684000 - 2001

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.

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 913 cubic feet per second August 31, gage height 5.69 feet; minimum daily discharge 42 cubic feet per second May 17.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	87	72	64	59	56	49	68	98	61	136	391
2	93	83	73	64	59	58	53	82	86	58	126	308
3	93	81	72	64	59	58	60	83	107	52	105	252
4	92	81	71	63	59	57	59	79	141	52	97	229
5	90	80	72	63	59	57	57	97	159	56	95	228
6	88	77	71	63	59	57	60	100	158	53	88	234
7	89	76	71	62	59	57	62	80	123	52	82	225
8	89	76	71	62	59	56	61	73	106	62	80	212
9	90	76	72	62	58	56	59	59	104	72	88	215
10	89	75	69	62	58	56	62	52	76	128	121	252
11	93	76	68	61	58	56	85	50	64	242	134	272
12	102	76	68	62	58	55	77	50	62	242	140	257
13	102	76	68	62	58	55	59	50	65	237	124	243
14	101	76	68	62	58	54	54	45	70	217	116	254
15	100	76	68	61	57	54	52	46	72	189	119	270
16	99	75	67	61	57	54	57	43	68	201	134	261
17	94	75	68	61	58	53	55	42	61	178	143	276
18	87	75	66	61	58	53	56	240	59	160	147	308
19	83	75	65	61	57	52	55	309	63	148	154	282
20	80	73	66	61	57	52	52	259	66	129	163	267
21	80	74	66	61	58	53	52	186	137	125	152	250
22	89	74	65	61	58	52	60	179	153	129	143	243
23	91	74	65	61	58	50	73	185	145	133	149	233
24	87	73	65	61	59	50	72	184	98	134	155	203
25	84	74	64	61	57	50	72	166	73	129	171	181
26	83	74	64	60	57	50	77	135	57	184	161	154
27	82	74	65	61	57	49	67	121	62	235	159	131
28	83	73	65	61	56	49	65	90	63	236	152	126
29	97	73	65	62	-----	50	57	86	63	218	133	124
30	90	72	65	61	-----	50	57	111	64	169	132	125
31	85	-----	64	60	-----	48	-----	104	-----	144	223	-----
TOTAL	2,801	2,280	2,099	1,912	1,624	1,657	1,836	3,454	2,723	4,425	4,122	7,006
MEAN	90.4	76.0	67.7	61.7	58.0	53.5	61.2	111	90.8	143	133	234
MAX	102	87	73	64	59	58	85	309	159	242	223	391
MIN	80	72	64	60	56	48	49	42	57	52	80	124
AC-FT	5,560	4,520	4,160	3,790	3,220	3,290	3,640	6,850	5,400	8,780	8,180	13,900
CAL YEAR 2000	TOTAL	33,359	MEAN	91.1	MAX	275	MIN	33	AC-FT	66,170		
WTR YEAR 2001	TOTAL	35,939	MEAN	98.5	MAX	391	MIN	42	AC-FT	71,290		

NORTH PLATTE RIVER BASIN

BELMONT CANAL from North Platte River, 00009000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	0						24	70	114	87	44
2	41	0						24	69	106	90	25
3	40	0						31	70	110	87	73
4	39	0						33	71	112	89	72
5	39	0					0	37	73	119	90	74
6	39						0	41	72	114	90	77
7	35						0	40	72	112	97	73
8	22						0	40	73	114	98	80
9	22						0	38	72	111	98	81
10	21						0	38	73	121	98	68
11	21						0	37	74	80	94	44
12	20						0	38	87	48	91	28
13	20						0	45	91	51	91	32
14	22						24	44	91	81	91	33
15	21						15	40	89	87	91	36
16	20						21	59	84	69	92	36
17	20						37	54	83	71	92	37
18	20						45	61	86	84	92	38
19	19						44	78	86	95	92	37
20	18						41	79	83	92	92	33
21	18						41	79	92	93	93	31
22	18						41	79	91	98	93	32
23	18						50	82	89	110	90	31
24	17						47	83	88	111	91	30
25	17						44	83	91	110	92	30
26	17						44	82	90	111	91	30
27	14						40	80	94	108	91	31
28	0						86	78	90	86	91	32
29	0				-----		56	77	93	86	93	31
30	0				-----		26	72	107	89	92	30
31	0	-----			-----		-----	72	-----	87	95	-----
TOTAL	653	0					702	1,748	2,494	2,980	2,854	1,329
MEAN	21.1	0					27.0	56.4	83.1	96.1	92.1	44.3
MAX	41	0					86	83	107	121	98	81
MIN	0	0					0	24	69	48	87	25
AC-FT	1,300	0					1,390	3,470	4,950	5,910	5,660	2,640
CAL YEAR 2000	MAX	118	MIN	0	AC-FT	29,960						
WTR YEAR 2001	MAX	121	MIN	0	AC-FT	25,310						

NORTH PLATTE RIVER BASIN

BELMONT CANAL from Cedar Creek, 00010000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0						0	.85E	4.5	2.5	.57	3.1E
2	0						0	.78E	4.4	2.4	2.9	3.0E
3	0						0	.72	4.4	2.4	2.6	2.8E
4	0						0	.60	4.5	2.6	2.8	2.7E
5	0						0	.71	4.4	2.7	3.1	2.6E
6							0	.67	3.6	3.0	2.6	2.5
7							0	.59	2.8	3.1	2.7	2.5E
8							0	.54	2.2	3.0	2.2	2.5E
9							0	.53	1.6	3.4	2.2	2.5E
10							0	.55	1.7	3.2	2.5	1.0E
11							0	.51	2.5	4.4	3.2	0
12							0	.47	2.1	4.2	3.1	0
13							0	.43	1.6	3.4	3.6	0
14							0	.39	1.4	3.8	4.1	0
15							0	.31	2.0	4.8	4.0	0
16							0	.31	1.8	4.1	4.0	0
17							0	.86	2.1	3.7	4.1	0
18							.91	1.4	2.5	4.3	4.1	0
19							2.0	2.1	2.9	3.4	4.2 E	0
20							3.7	2.8	2.8	3.1	4.2 E	0
21							2.0	3.0	2.4	3.1	4.2 E	0
22							2.0	3.6	2.4	2.9	4.3	0
23							2.0	3.9	2.9	3.3	4.2 E	0
24							1.6	4.0	2.4	2.9	4.0 E	0
25							1.5	4.4	2.3	3.6	3.9 E	0
26							1.4	4.4	2.2	2.9	3.8 E	0
27							1.2	4.5	2.1	0	3.7 E	0
28							1.1	4.5	2.2	0	3.5 E	0
29					-----		.99	4.6	2.5	0	3.4	0
30					-----		.92	4.6	2.5	0	3.3 E	0
31		-----			-----		-----	4.5	-----	0	3.2 E	-----
TOTAL	0						21.32	62.12	79.7	86.2	104.27	25.2
MEAN	0						.71	2.00	2.66	2.78	3.36	.84
MAX	0						3.7	4.6	4.5	4.8	4.3	3.1
MIN	0						0	.31	1.4	0	.57	0
AC-FT	0						42	123	158	171	207	50
CAL YEAR 2000 MAX		7.4	MIN	0	AC-FT	807						
WTR YEAR 2001 MAX		4.8	MIN	0	AC-FT	751						

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

EMPIRE CANAL from North Platte River, 00039000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9							0	0	20	8.3	6.1
2	0							0	0	20	8.5	7.5
3	0							0	0	21	8.5	13
4								0	0	22	8.6	13
5							0	0	0	23	8.7	13
6							0	0	0	22	8.8	14
7							0	0	0	22	9.0	13
8							0	0	7.4	22	9.1	14
9							0	0	15	22	8.8	14
10							0	0	17	18	8.9	14
11							0	0	18	13	18	12
12							0	0	18	8.7	24	11
13							0	0	19	7.5	24	11
14							0	0	19	8.3	24	11
15							0	0	14	8.4	25	11
16							0	0	.10	7.9	21	11
17							0	0	.10	8.1	18	11
18							0	0	.10	8.4	18	12
19							0	0	.10	8.6	18	12
20							0	0	.10	8.7	18	11
21							0	0	14	8.7	22	11
22							0	0	14	8.8	25	11
23							0	0	11	9.1	25	11
24							0	0	11	9.1	24	11
25							0	0	11	9.1	22	11
26							0	0	11	9.0	22	11
27							0	0	14	9.0	22	18
28							0	0	16	8.7	22	22
29					-----		0	0	16	8.6	21	22
30					-----		0	0	18	8.5	17	21
31		-----			-----		-----	0	-----	8.4	17	-----
TOTAL	7.9						0	0	263.90	396.6	534.2	383.6
MEAN	2.63						0	0	8.80	12.8	17.2	12.8
MAX	7.9						0	0	19	23	25	22
MIN	0						0	0	0	7.5	8.3	6.1
AC-FT	16						0	0	523	787	1,060	761
CAL YEAR 2000	MAX	36	MIN	0	AC-FT	5,760						
WTR YEAR 2001	MAX	25	MIN	0	AC-FT	3,150						

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER at Bridgeport, 06684500 - 2001

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 3,190 cubic feet per second July 11, combined flow for both channels; minimum daily discharge 395 cubic feet per second June 30, combined flow for both channels.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,230	1,320	1,010	943	894	797	713	798	955	502	1,030	1,570
2	2,040	1,320	1,040	919	896	845	702	814	936	538	941	1,550
3	1,910	1,320	1,060	904	904	859	740	862	996	498	854	1,470
4	1,820	1,300	1,070	894	890	850	748	882	1,070	454E	834	1,420
5	1,750	1,290	1,080	876	885	853	728	973	1,200	529E	814	1,360
6	1,690	1,240	1,080	870	873	847	728	1,150	1,140	582	779	1,360
7	1,630	1,200	1,100	863	873	850	746	1,150	1,050	598	739	1,400
8	1,600	1,190	1,120	858	863	815	738	1,050	962	711	714	1,460
9	1,560	1,200	1,130	864	782	796	740	987	950	710	711	1,510
10	1,530	1,200	1,120	907	863	794	776	975	993	1,210	759	1,620
11	1,470	1,200	1,100	911	889	797	821	967	983	2,750	786	1,630
12	1,440	1,180	1,140	930	868	823	846	944	917	2,600	780	1,650
13	1,410	1,180	1,190	936	851	852	826	905	884	2,110	778	1,600
14	1,390	1,200	1,220	912	854	863	760	871	874	1,970	768	1,610
15	1,370	1,200	1,140	882	819	854	768	823	838	1,890	783	1,770
16	1,350	1,200	1,070	869	820	842	771	786	820	1,900E	821	1,890
17	1,330	1,150	1,020	868	820	823	753	776	800	1,770E	870	1,980
18	1,300	1,150	1,020	873	815	803	754	878	773	1,560	884	2,220
19	1,280	1,170	977	871	819	785	751	1,040	749	1,350	877	2,240
20	1,270	1,150	955	871	825	781	733	1,070	708	1,180	911	2,030
21	1,260	1,150	950	872	825	794	738	1,020	723	1,060	900	2,000
22	1,320	1,120	982	883	819	787	772	1,030	726	974	887	2,000
23	1,380	1,090	999	901	808	798	797	1,200	685	950	903	1,960
24	1,270	1,070	1,010	900	827	800	878	1,210	592	957	916	1,810
25	1,220	1,060	1,020	897	823	784	887	1,140	504	929	943	1,740
26	1,200	1,050	996	889	807	784	899	1,060	475	999	938	1,700
27	1,180	1,040	972	889	791	783	876	1,020	463	1,340	931	1,570
28	1,200	1,010	964	906	779	784	816	994	440	1,440	878	1,520
29	1,330	986	975	919	-----	767	807	1,010	412	1,350	862	1,500
30	1,390	1,000	987	914	-----	737	818	1,040	395	1,250	866	1,470
31	1,320	-----	976	894	-----	708	-----	1,020	-----	1,120	1,000	-----
TOTAL	45,440	34,936	32,473	27,685	23,582	25,055	23,430	30,445	24,013	37,781	26,457	50,610
MEAN	1,466	1,165	1,048	893	842	808	781	982	800	1,219	853	1,687
MAX	2,230	1,320	1,220	943	904	863	899	1,210	1,200	2,750	1,030	2,240
MIN	1,180	986	950	858	779	708	702	776	395	454	711	1,360
AC-FT	90,130	69,300	64,410	54,910	46,770	49,700	46,470	60,390	47,630	74,940	52,480	100,400
CAL YEAR 2000 TOTAL		375,152	MEAN	1,025	MAX	2,270	MIN	513	AC-FT	744,100		
WTR YEAR 2001 TOTAL		381,907	MEAN	1,046	MAX	2,750	MIN	395	AC-FT	757,500		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

BROWNS CREEK CANAL from North Platte River, 00019000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3							0	41	98	91	62
2	5.2							0	40	95	90	67
3	5.1							0	41	95	86	67
4	1.6							1.7	39	98	81	64
5								35	39	101	81	62
6								33	32	100	84	56
7							0	27	31	104	91	44
8							0	25	30	103	93	37
9							0	18	30	100	91	35
10							0	16	69	95	91	35
11							0	19	32	80	90	35
12							0	26	38	67	91	35
13							0	33	43	72	91	32
14							0	35	44	63	91	27
15							0	35	47	29	91	19
16							0	36	59	37	89	20
17							0	39	71	58	88	22
18							0	32	72	62	85	21
19							0	40	76	69	85	16
20							0	41	74	70	86	16
21							0	51	79	73	84	15
22							0	52	81	77	81	15
23							0	55	81	78	84	15
24							0	54	80	83	78	13 E
25							0	53	86	89	72	11
26							0	50	80	93	69	11
27							0	49	91	92	67	8.9
28							0	48	91	90	67	8.0
29					-----		0	47	92	88	69	8.0
30					-----		0	47	92	92	74	8.0
31		-----			-----		-----	44	-----	90	73	-----
TOTAL	17.2						0	1,041.7	1,801	2,541	2,584	884.9
MEAN	4.30						0	33.6	60.0	82.0	83.4	29.5
MAX	5.3						0	55	92	104	93	67
MIN	1.6						0	0	30	29	67	8.0
AC-FT	34						0	2,070	3,570	5,040	5,130	1,760
CAL YEAR 2000 MAX		98	MIN	0	AC-FT	18,260						
WTR YEAR 2001 MAX		104	MIN	0	AC-FT	17,590						

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

COURTHOUSE ROCK CANAL from Pumpkin Creek, 00030000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0							0	0	2.0	1.5	1.6
2	0							0	0	2.0	1.5	1.5
3	0							0	0	2.1	1.4	1.4
4								0	0	2.1	1.4	1.4
5								0	0	2.1	1.5	1.1
6							0	0	0	2.0	1.5	1.2
7							0	0	0	2.1	1.4	1.1
8							0	0	0	2.0	1.4	1.1
9							0	0	0	1.8	1.3	1.0
10							0	0	0	1.9	1.3	.90
11							0	0	0	1.8	1.3	1.2
12							0	0	.14	1.8	1.3	1.1
13							0	0	.29	1.8	1.3	1.2
14							0	0	.28	1.8	1.3	1.2
15							0	0	.20	1.8	1.3	1.5
16							0	0	.11	1.5	1.3	1.6
17							0	0	.01	1.4	1.3	1.0
18							0	0	.04	1.3	1.3	1.3
19							0	0	.23	1.4	1.3	1.3
20							0	0	.86	1.4E	1.3	1.3
21							0	0	0	1.4E	1.3	1.3
22							0	0	0	1.5E	1.3	1.3
23							0	0	0	1.5	1.2	1.3
24							0	0	0	1.4	1.4	1.3
25							0	0	1.6	1.3	1.3	1.3
26							0	0	2.1	1.6	1.3	1.4
27							0	0	2.0	1.7	1.2	1.4
28							0	0	2.1	1.7	1.2	1.4
29					-----		0	0	2.0	1.4	1.3	1.4
30					-----		0	0	2.0	1.5	1.4	.96
31		-----			-----		-----	0	-----	1.6	1.5	-----
TOTAL	0						0	0	13.96	52.7	41.6	38.06
MEAN	0						0	0	.47	1.70	1.34	1.27
MAX	0						0	0	2.1	2.1	1.5	1.6
MIN	0						0	0	0	1.3	1.2	.90
AC-FT	0						0	0	28	105	83	75
CAL YEAR 2000	MAX	2.6	MIN	0	AC-FT	344						
WTR YEAR 2001	MAX	2.1	MIN	0	AC-FT	290						

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

LAST CHANCE CANAL from Pumpkin Creek, 00080000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0							0	0	0	0	0
2	0							0	0	0	0	0
3	0							0	0	0	0	0
4								0	0	0	0	0
5								0	0	0	0	0
6							0	0	0	0	0	0
7							0	0	0	0	0	0
8							0	0	0	0	0	0
9							0	0	0	0	0	0
10							0	0	0	0	0	0
11							0	0	0	0	0	0
12							0	0	0	0	0	0
13							0	0	0	0	0	0
14							0	0	0	.03	0	0
15							0	0	0	0	0	0
16							0	0	0	0	0	0
17							0	0	.04	0	0	0
18							0	0	.50	0	0	0
19							0	0	.64	0	0	0
20							0	0	.70	0	0	0
21							0	0	.46	0	0	0
22							0	0	.94	0	0	0
23							0	0	1.3	0	0	0
24							0	0	1.1	0	0	0
25							0	0	.77	0	0	0
26							0	0	.39	.01	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	0
TOTAL	0						0	0	6.84	0.04	0	0
MEAN	0						0	0	.23	.001	0	0
MAX	0						0	0	1.3	.03	0	0
MIN	0						0	0	0	0	0	0
AC-FT	0						0	0	14	.08	0	0
CAL YEAR 2000	MAX	0	MIN	0	AC-FT	0						
WTR YEAR 2001	MAX	1.3	MIN	0	AC-FT	14						

NORTH PLATTE RIVER BASIN

TRINNIER CANAL from Greenwood Creek, 00144200 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0							0	0	2.1	2.8	2.2
2	0							0	0	2.2	2.7	2.1
3	0							0	0	2.3	2.7	2.2
4	0							0	0	2.3	2.7	2.1
5	0							0	0	2.2	2.8	1.8
6								0	0	2.3	2.8	1.7
7								0	0	2.3	2.7	1.7
8								0	0	2.4	2.8	1.8
9								0	0	2.4	2.9	1.7
10								0	0	2.5	3.0	1.5
11								0	0	2.9	2.8	1.4
12								0	0	2.2	2.8	1.4
13								0	0	1.9	2.8	1.3
14								0	0	2.6	2.9	1.5
15								0	0	2.1	2.7	1.8
16								0	0	.73	2.7	1.6
17								0	0	.70	2.6	1.5
18								0	0	.63	2.5	1.5
19								0	0	2.5	2.3	1.4
20								0	0	3.3	2.0	1.3
21								0	0	1.9	3.2	1.9
22								0	0	2.4	3.0	1.9
23								0	0	1.9	3.2	1.9
24								0	0	2.0	3.0	1.7
25								0	0	2.1	2.8	1.5
26								0	0	2.1	2.9	1.5
27								0	0	2.1	1.0	1.5
28								0	0	2.1	.15	2.3
29								0	0	2.1	0	2.5
30								0	0	2.2	1.9	2.3
31		-----			-----		-----	0	-----	2.9	2.2	-----
TOTAL	0							0	0	20.9	66.61	75.2
MEAN	0							0	0	.70	2.15	2.43
MAX	0							0	0	2.4	3.3	3.0
MIN	0							0	0	0	0	1.5
AC-FT	0							0	0	41	132	149
CAL YEAR 2000	MAX	4.0	MIN	0	AC-FT	250						
WTR YEAR 2001	MAX	3.3	MIN	0	AC-FT	413						

NORTH PLATTE RIVER BASIN

NELSON CANAL from Greenwood Creek, 00105500 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	0							0	0	3.6	4.0	4.0	
2	0							0	0	3.6	4.1	3.9	
3	0							0	0	3.6	4.0	3.9	
4	0							0	0	3.6	4.0	3.8	
5								0	0	3.2	4.1	3.9	
6								0	0	3.2	4.0	4.1	
7								0	0	3.2	3.9	4.2	
8								0	0	3.0	3.8	4.3	
9								0	0	3.4	4.0	4.2	
10								0	0	3.5	4.0	4.1	
11								0	0	.16	3.9	4.1	
12								0	0	2.2	3.9	4.1	
13								0	0	3.3	3.9	4.1	
14								0	0	3.9	4.0	1.3	
15								0	0	.04	3.9		
16								0	0	0	3.9		
17								0	0	0	3.9		
18								0	0	0	3.8		
19								0	0	2.3	3.8		
20								0	0	3.9	3.9		
21								0	0	0	3.9	3.8	
22								0	0	2.6	3.4	3.9	
23								0	0	3.9	4.0	4.2	
24								0	0	3.9	4.2	4.0	
25								0	0	3.9	4.1	4.0	
26								0	0	3.9	4.4	3.8	
27								0	0	3.9	1.4	3.9	
28								0	0	3.8	0	3.8	
29					-----			0	0	3.7	0	3.9	
30					-----			0	0	3.7	2.5	3.9	
31		-----			-----		-----	0	-----	4.0	4.0	-----	
TOTAL	0							0	0	33.3	81.60	122.0	54.0
MEAN	0							0	0	1.11	2.63	3.94	3.86
MAX	0							0	0	3.9	4.4	4.2	4.3
MIN	0							0	0	0	0	3.8	1.3
AC-FT	0							0	0	66	162	242	107
CAL YEAR 2000	MAX	4.6	MIN	0	AC-FT	708							
WTR YEAR 2001	MAX	4.4	MIN	0	AC-FT	577							

NORTH PLATTE RIVER BASIN

MEREDITH-AMMER CANAL from Pumpkin Creek, 00088000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0							0	3.4	0	1.0	0
2	0							0	3.4	2.9	2.0	0
3	0							0	3.3	5.0	2.6	0
4	0							0	3.3	4.3	2.6	0
5							0	0	1.1	3.5	2.4	0
6							0	0	0	3.3	1.7	0
7							0	0	0	2.9	.72	0
8							0	0	0	2.4	1.2	0
9							0	0	0	.06	1.1	0
10							0	0	0	2.8	0	0
11							0	0	0	4.3	0	0
12							0	0	0	4.1	0	0
13							0	0	0	3.3	0	0
14							0	0	0	5.2	0	0
15							0	0	0	3.6	0	0
16							0	0	0	.08	0	0
17							0	0	0	0	0	0
18							0	0	0	0	0	0
19							0	0	0	0	0	0
20							0	0	0	1.0	0	0
21							0	0	.89	1.1	0	0
22							0	0	1.4	1.2	0	0
23							0	0	.72	1.1	0	0
24							0	0	0	1.2	0	0
25							0	0	0	1.2	0	0
26							0	0	0	1.3	0	0
27							0	0	0	1.7	0	0
28							0	0	0	1.7	0	0
29					-----		0	1.2	0	1.7	0	0
30					-----		0	2.8	0	1.6	0	0
31		-----			-----		-----	3.4	-----	1.4	0	-----
TOTAL	0						0	7.4	17.51	63.94	15.32	0
MEAN	0						0	.24	.58	2.06	.49	0
MAX	0						0	3.4	3.4	5.2	2.6	0
MIN	0						0	0	0	0	0	0
AC-FT	0						0	15	35	127	30	0
CAL YEAR 2000	MAX	5.1	MIN	0	AC-FT	174						
WTR YEAR 2001	MAX	5.2	MIN	0	AC-FT	207						

NORTH PLATTE RIVER BASIN

PUMPKIN CREEK near Bridgeport, 06685000 - 2001

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 69 cubic feet per second April 23, gage height 2.63 feet; no flow many days in October, November, June, July, August and September.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.52	0	.80E	5.4E	8.4E	7.7	5.3	10	1.6	0	.26	0
2	.59	.05	1.2 E	5.6E	8.8E	9.1	5.3	8.9	1.5	0	0	0
3	.59	.17	1.4 E	5.8E	9.1E	8.4	6.4	13	1.7	0	0	.02
4	.83	.31	1.7 E	5.8E	9.4E	7.9	6.5	13	2.0	0	0	.10
5	.92	.43	1.8 E	5.8E	9.6E	7.5	6.2	14	2.9	0	0	0
6	1.1	.20E	2.0 E	6.0E	10 E	7.3	6.5	19	5.0	0	0	0
7	1.2	0 E	2.1 E	6.2E	10 E	7.1	6.4	17	4.7	0	0	0
8	1.0	.10E	2.2 E	6.4E	11 E	6.9	6.4	13	4.5	.05	.03	0
9	.92	.63	2.4 E	6.6E	11 E	6.6	6.6	13	3.6	0	.40	0
10	.83	.40	2.5 E	6.6E	11 E	6.0	7.2	12	2.4	.01	.14	0
11	.88	.38	2.6 E	6.6E	12 E	6.3	8.7	11	1.8	.02	0	0
12	.83	0 E	2.8 E	6.6E	12 E	6.4	8.6	10	1.5	0	0	0
13	.59	0 E	2.8 E	6.6E	12 E	6.3	7.8	9.8	1.4	0	0	0
14	.66	0 E	2.9 E	6.8E	13 E	6.1	8.3	8.7	1.5	0	0	0
15	.83	0 E	3.0 E	6.8E	12 E	6.2	8.5	8.1	1.2	.12	0	0
16	.83	0 E	1.5 E	6.8E	11 E	5.9	7.7	7.7	1.7	.56	0	0
17	.83	0 E	.20E	6.8E	11 E	5.8	8.1	7.9	1.0	1.2	0	0
18	.92	0 E	.70E	7.0E	10 E	5.4	20	7.9	.29	.89	0	0
19	.83	0 E	2.5 E	6.6E	9.4E	5.4	21	7.6	.13	.63	0	0
20	.83	0 E	3.0 E	6.0E	8.6E	5.1	20	7.8	.04	.37	0	0
21	1.0	.01E	3.5 E	5.6E	8.1E	5.2	22	8.1	0	0	0	0
22	1.5	.10E	.50E	5.2E	7.4E	5.1	25	8.4	0	0	0	0
23	1.7	.20E	3.0 E	5.6E	6.6E	4.9	31	8.1	0	0	0	0
24	1.6	.30E	4.0 E	5.8E	6.8E	5.1	28	7.5	0	0	0	0
25	1.4	.40E	4.5 E	6.2E	6.9E	5.3	23	6.8	0	0	0	0
26	1.4	.50E	4.6 E	6.4E	7.0E	5.5	18	6.0	0	.01	0	0
27	1.4	.70E	4.8 E	6.8E	7.0	5.3	17	5.3	0	0	.02	.32
28	1.2	.80E	4.9 E	7.0E	6.0	5.3	14	5.1	0	.02	.03	2.5
29	.01	.60E	5.0 E	7.4E	-----	5.2	8.7	5.0	0	.32	.03	2.5
30	0	.70E	5.2 E	7.8E	-----	5.2	11	3.2	0	.62	0	2.4
31	0	-----	5.3 E	8.1E	-----	5.3	-----	2.4	-----	.66	0	-----
TOTAL	27.74	6.98	85.40	198.7	265.1	190.8	379.2	285.3	40.46	5.48	0.91	7.84
MEAN	.89	.23	2.75	6.41	9.47	6.15	12.6	9.20	1.35	.18	.029	.26
MAX	1.7	.80	5.3	8.1	13	9.1	31	19	5.0	1.2	.40	2.5
MIN	0	0	.20	5.2	6.0	4.9	5.3	2.4	0	0	0	0
AC-FT	55	14	169	394	526	378	752	566	80	11	1.8	16
CAL YEAR 2000 TOTAL		2,299.71	MEAN	6.28	MAX	35	MIN	0	AC-FT	4,560		
WTR YEAR 2001 TOTAL		1,493.91	MEAN	4.09	MAX	31	MIN	0	AC-FT	2,960		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

BEERLINE CANAL from North Platte River, 00007000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6							0	0	15	9.6E	16
2	5.5							0	0	16	12	16
3	3.2							0	0	16	14	15
4	0							0	0	17	14	14
5	0							0	0	18	14	12
6	0						0	0	0	16	13	5.1
7	0						0	0	0	14	13	5.0
8	0						0	0	0	21	13	4.9
9	0						0	0	0	20	13	4.9
10	0						0	0	0	21	13	4.9
11	0						0	0	0	20	14	4.8
12	0						0	0	0	18	14	4.8
13	0						0	0	0	15	14	4.8
14	0						0	0	0	15	14	4.9
15	0						0	0	0	15	14	5.0
16	0						0	0	0	14	14	4.9
17	0						0	0	0	12	14	4.8
18	0						0	0	0	15	14	5.0
19	0						0	0	8.5	16	14	4.9
20	0						0	0	14	17	14	4.6
21	0						0	0	14	17	13	4.4
22	0						0	0	16	16	13	4.2
23	0						0	0	14	16	13	4.0
24	0						0	0	13	16	13	3.7
25	0						0	0	13	16	13	3.1
26	0						0	0	14	16	13	2.9
27	0						0	0	15	17	13	2.7
28	0						0	0	15	18	13	2.5
29	0				-----		0	0	15	12 E	13	2.6
30	0				-----		0	0	15	9.6E	13	2.7
31	0	-----			-----		-----	0	-----	9.6E	13	-----
TOTAL	14.3						0	0	166.5	494.2	411.6	179.1
MEAN	.46						0	0	5.55	15.9	13.3	5.97
MAX	5.6						0	0	16	21	14	16
MIN	0						0	0	0	9.6	9.6	2.5
AC-FT	28						0	0	330	980	816	355
CAL YEAR 2000	MAX	30	MIN	0	AC-FT	2,580						
WTR YEAR 2001	MAX	21	MIN	0	AC-FT	2,510						

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

LISCO CANAL from North Platte River, 00082000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16							0	32	43	40	72
2	14							0	20	52	39	50
3	13							0	17	38	42	37
4	15							0	24	42	45	37
5	19						0	0	38	37	49	40
6	22						0	0	44	46	48	41
7	18						0	0	47	44	48	42
8	17						0	0	18	48	46	41
9	13						0	0	0	44	57	43
10	11						0	0	18	47	54	42
11	11						0	0	41	53	48	44
12	11						0	0	40	53	47	36
13	11						0	0	39	44	46	33
14	12						0	0	43	46	41	37
15	10						0	0	37	43	37	38
16	11						0	0	26	38	37	31
17	12						0	0	30	40	45	34
18	9.1						0	0	33	40	47	15
19	5.9						0	33	35	35	46	0
20	6.2						0	34	36	37	45	0
21	6.5						0	30	33	37	42	0
22	5.0						0	31	44	40	39	0
23	0						0	35	34	44	42	0
24	0						0	41	34	50	42	0
25	0						0	40	40	50	42	0
26	0						0	35	42	58	43	0
27							0	29	37	57	41	0
28							0	29	39	45	41	0
29					-----		0	33	40	44	40	0
30					-----		0	37	41	43	40	0
31		-----			-----		-----	38	-----	43	41	-----
TOTAL	268.7						0	445	1,002	1,381	1,360	713
MEAN	10.3						0	14.4	33.4	44.5	43.9	23.8
MAX	22						0	41	47	58	57	72
MIN	0						0	0	0	35	37	0
AC-FT	533						0	883	1,990	2,740	2,700	1,410
CAL YEAR 2000	MAX	62	MIN	0	AC-FT	10,020						
WTR YEAR 2001	MAX	72	MIN	0	AC-FT	10,250						

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER at Lisco, 06686000 - 2001

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,660 cubic feet per second September 18, gage height 2.52 feet; minimum daily discharge 256 cubic feet per second July 1.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,050	1,670	1,090	1,100E	920	882	876	838	1,100	256	956	957
2	1,890	1,550	1,090	1,100E	909	910	878	856	1,060	378	887	1,410
3	1,740	1,500	1,100	1,100E	899	916	934	977	1,060	454	818	1,390
4	1,680	1,490	1,120	1,080E	925	901	999	1,050	1,120	354	746	1,310
5	1,640	1,490	1,110	1,060E	1,000	880	944	1,120	1,220	303	748	1,190
6	1,580	1,480	1,080	1,040E	981	881	919	1,220	1,330	369	748	1,210
7	1,550	1,460	1,090	1,040E	954	860	985	1,330	1,340	368	751	1,220
8	1,550	1,400	1,090	1,020E	600E	908	925	1,280	1,230	317	722	1,210
9	1,550	1,390	1,090	1,020E	500E	950	907	1,230	1,170	356	674	1,310
10	1,550	1,370	1,050	1,000E	700E	950E	910	1,190	1,150	362	681	1,390
11	1,540	1,420	800E	960E	880E	945	993	1,170	1,160	1,180	745	1,520
12	1,570	1,310	600E	940E	900E	961	1,060	1,120	1,120	2,300	775	1,570
13	1,610	1,270	540E	920E	960E	978	1,050	1,070	1,060	2,080	748	1,570
14	1,620	1,310	560E	900E	980E	953	999	1,010	1,040	1,890	732	1,570
15	1,620	1,360	600E	880E	900E	921	924	982	983	2,060	718	1,820
16	1,580	1,370	760E	840E	840E	942	938	917	906	1,990	703	1,880
17	1,510	1,310	900E	820E	820E	847	922	807	834	1,830	696	1,990
18	1,470	1,310	1,000E	780E	900E	864	931	751	754	1,620	680	2,440
19	1,450	1,370	1,060E	820E	940E	866	932	884	701	1,390	683	2,390
20	1,470	1,270	1,060E	840E	900E	843	941	1,020	690	1,200	715	2,250
21	1,480	1,190	1,060E	920E	842	830	956	1,040	613	1,060	752	2,080
22	1,560	1,110	1,060E	960E	821	818	1,010	983	643	924	742	2,140
23	1,690	1,120	1,060E	980E	810	856	1,060	1,040	659	850	745	2,150
24	1,640	1,110	1,060E	1,000E	849	880	1,090	1,190	593	849	733	2,170
25	1,540	1,090	1,060E	1,090	848	894	1,040	1,190	499	827	744	2,030
26	1,500	1,090	1,080E	1,060	849	901	1,010	1,180	463	847	773	1,970
27	1,470	1,100	1,080E	1,000	877	871	1,010	1,130	435	1,110	767	1,900
28	1,490	1,120	1,080E	994	848	848	959	1,070	413	1,300	757	1,750
29	1,600	1,080	1,080E	1,010	-----	845	867	1,080	377	1,270	738	1,670
30	1,730	1,100	1,080E	984	-----	866	862	1,120	306	1,180	716	1,620
31	1,680	-----	1,100E	907	-----	865	-----	1,130	-----	1,080	691	-----
TOTAL	49,600	39,210	30,590	30,165	24,152	27,632	28,831	32,975	26,029	32,354	23,084	51,077
MEAN	1,600	1,307	987	973	863	891	961	1,064	868	1,044	745	1,703
MAX	2,050	1,670	1,120	1,100	1,000	978	1,090	1,330	1,340	2,300	956	2,440
MIN	1,450	1,080	540	780	500	818	862	751	306	256	674	957
AC-FT	98,380	77,770	60,680	59,830	47,910	54,810	57,190	65,410	51,630	64,170	45,790	101,300
CAL YEAR 2000 TOTAL		384,968	MEAN	1,052	MAX	2,240	MIN	357	AC-FT	763,600		
WTR YEAR 2001 TOTAL		395,699	MEAN	1,084	MAX	2,440	MIN	256	AC-FT	784,900		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

MIDLAND-OVERLAND CANAL from North Platte River, 00098000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6							0	0	18	12	9.9
2	2.0							0	0	15	11	14
3	.82							0	0	14	6.9	8.5
4	.85							0	0	9.2	7.5	5.1
5	1.1							0	0	6.6	9.1	8.2
6	.83							0	0	4.5	8.0	13
7	0							0	0	11	6.5	4.4
8	0							0	0	11	5.1	2.9
9	0							0	0	14	3.3	2.9
10	0						0	0	0	13	2.9	2.8
11	0						0	0	0	11	3.1	2.8
12	0						0	0	0	11	3.2	2.8
13	0						0	0	0	8.8	3.5	2.8
14							0	0	0	5.9	3.1	2.9
15							0	0	0	6.0	4.2	3.0
16							0	0	0	6.8	3.6	2.9
17							0	0	0	7.8	3.8	6.7
18							0	0	0	8.3	4.9	14
19							0	0	0	8.2	6.2	14
20							0	0	.12	10	6.4	11
21							0	0	8.5	14	8.7	10
22							0	0	14	14	8.4	9.6
23							0	0	18	11	8.7	9.4
24							0	0	18	11	7.2	9.2
25							0	0	15	13	6.7	9.1
26							0	0	11	19	11	8.3
27							0	0	15	25	14	7.2
28							0	0	14	25	14	6.1
29					-----		0	0	14	24	14	4.8
30					-----		0	0	20	23	12	3.5
31		-----			-----		-----	0	-----	18	11	-----
TOTAL	9.20						0	0	147.62	397.1	230.0	211.8
MEAN	.71						0	0	4.92	12.8	7.42	7.06
MAX	3.6						0	0	20	25	14	14
MIN	0						0	0	0	4.5	2.9	2.8
AC-FT	18						0	0	293	788	456	420
CAL YEAR 2000	MAX	24	MIN	0	AC-FT	2,380						
WTR YEAR 2001	MAX	25	MIN	0	AC-FT	1,980						

NORTH PLATTE RIVER BASIN

PAISLEY CANAL from Blue Creek, 00120000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15							0	.42	.67	7.7	0
2	15							0	.18	0	3.4	.50
3	16						0	0	.22	0	4.3	3.3
4	16						0	0	.73	.41	3.8	7.6
5	16						0	0	.84	0	4.2	11
6	16						0	0	.63	0	4.9	13
7	16						0	0	1.9	.23	4.6	6.2
8	16						0	0	1.4	.59	4.5	15
9	16						0	0	1.2	.57	7.3	15
10	17						0	0	.98	2.1	11	15
11	17						0	0	.67	9.4	11	15
12	17						0	0	.61	11	11	15
13	17						0	0	.63	12	11	15
14	15						0	0	.91	14	12	16
15	13						0	0	.93	14	11	15
16	12						0	0	10	16	8.0	15
17	8.7						0	0	14	12	4.2	14
18	4.8						0	0	13	13	.51	4.7
19	5.0						0	0	14	14	0	1.5
20	5.7						0	0	14	7.0	2.8	8.8
21	4.3						0	0	15	.48	5.3	15
22	.70						0	0	14	.55	2.2	15
23	0						0	0	14	3.4	2.2	15
24	0						0	0	13	5.2	4.4	15
25							0	0	13	5.8	7.5	15
26							0	0	9.2	5.9	9.3	16
27							0	0	3.6	11	9.2	16
28							0	0	.58	14	9.0	16
29					-----		0	.15	.52	10	9.6	16
30					-----		0	1.3	.94	8.8	5.4	16
31		-----			-----		-----	.97	-----	10	0	-----
TOTAL	279.20						0	2.42	161.09	202.10	191.31	361.60
MEAN	11.6						0	.078	5.37	6.52	6.17	12.1
MAX	17						0	1.3	15	16	12	16
MIN	0						0	0	.18	0	0	0
AC-FT	554						0	4.8	320	401	379	717
CAL YEAR 2000	MAX	20	MIN	0	AC-FT	2,290						
WTR YEAR 2001	MAX	17	MIN	0	AC-FT	2,380						

NORTH PLATTE RIVER BASIN

BLUE CREEK & HOOPER CANAL from Blue Creek, 00017100 - 2001

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 separately in this report.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20							0	0	48	52	53
2	25							0	0	48	55	52
3	24						0	0	0	48	53	51
4	21						0	0	0	50	44	45
5	19						0	0	0	50	39	0
6	16						0	0	0	50	47	0
7	16						0	0	0	44	50	0
8	16						0	0	0	42	50	0
9	15						0	0	0	46	50	0
10	14						0	0	0	46	50	0
11	14						0	0	0	47	50	0
12	14						0	0	0	34	45	0
13	13						0	0	0	23	34	0
14	11						0	0	10	0	39	0
15	11						0	0	0	0	41	0
16	11						0	0	0	3.5	48	0
17	11						0	0	0	23	50	6.7
18	11						0	0	7.4	35	52	8.1
19	10						0	0	13	47	43	6.8
20	9.9						0	0	22	50	38	3.1
21	7.6						0	0	23	48	49	9.3
22	0						0	0	27	48	50	19
23	0						0	0	33	47	48	18
24	0						0	0	38	48	46	18
25							0	0	43	47	45	17
26							0	0	45	46	44	15
27							0	0	47	47	43	15
28							0	0	47	50	43	15
29					-----		0	0	46	42	46	16
30					-----		0	0	47	46	51	20
31		-----			-----		-----	0	-----	50	51	-----
TOTAL	309.5						0	0	448.4	1,253.5	1,446	388.0
MEAN	12.9						0	0	14.9	40.4	46.6	12.9
MAX	25						0	0	47	50	55	53
MIN	0						0	0	0	0	34	0
AC-FT	614						0	0	889	2,490	2,870	770
CAL YEAR 2000	MAX	52	MIN	0	AC-FT	9,570						
WTR YEAR 2001	MAX	55	MIN	0	AC-FT	7,630						

NORTH PLATTE RIVER BASIN

HOOPER CANAL from Blue Creek via Blue Creek Canal, 00067000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3							0	0	9.6	8.2	10
2	4.7							0	0	10	8.6	9.9
3	5.7							0	0	11	8.5	9.9
4	5.7						0	0	0	11	7.3	8.9
5	2.1						0	0	0	11	6.6	0
6	0						0	0	0	11	8.5	0
7	0						0	0	0	9.7	9.7	0
8	0						0	0	0	8.9	9.8	0
9	0						0	0	0	8.4	9.7	0
10	0						0	0	0	7.6	9.2	0
11	0						0	0	0	5.6	8.2	0
12	0						0	0	0	2.7	6.0	0
13	0						0	0	0	2.9	4.3	0
14	0						0	0	0	.21	4.0	0
15	0						0	0	0	0	7.2	0
16	0						0	0	0	.02	9.4	0
17	0						0	0	0	.97	10	0
18	0						0	0	0	1.0	12	0
19	0						0	0	0	6.6	6.7	0
20	0						0	0	6.0	9.3	2.2	0
21	0						0	0	9.9	8.8	7.3	0
22	0						0	0	11	9.0	10	0
23	0						0	0	12	8.9	8.4	0
24	0						0	0	11	8.9	6.6	0
25	0						0	0	11	8.8	5.6	0
26	0						0	0	10	8.0	5.5	4.8
27	0						0	0	11	5.4	5.6	7.9
28							0	0	11	4.0	5.4	7.8
29					-----		0	0	9.7	3.6	6.8	8.4
30					-----		0	0	9.4	6.6	9.8	9.4
31		-----			-----		-----	0	-----	8.2	9.9	-----
TOTAL	22.5						0	0	112.0	207.70	237.0	77.0
MEAN	.83						0	0	3.73	6.70	7.65	2.57
MAX	5.7						0	0	12	11	12	10
MIN	0						0	0	0	0	2.2	0
AC-FT	45						0	0	222	412	470	153
CAL YEAR 2000	MAX	12	MIN	0	AC-FT	1,580						
WTR YEAR 2001	MAX	12	MIN	0	AC-FT	1,300						

NORTH PLATTE RIVER BASIN

UNION CANAL from Blue Creek, 00146000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6						0	0	0	14	11	4.0
2	7.0						0	0	0	13	14	3.9
3	6.1						0	0	0	13	13	5.1
4	6.2						0	0	0	14	14	2.6
5	6.5						0	0	0	14	12	3.3
6	4.4						0	0	0	12	11	3.1
7	1.7						0	0	0	14	10	1.9
8	1.8						0	0	0	14	12	1.3
9	1.6						0	0	0	14	13	2.5
10	.74						0	0	0	6.9	8.6	3.2
11	.09						0	0	0	15	9.9	2.4
12	.16						0	0	0	14	13	3.3
13	3.5						0	0	0	13	19	5.1
14	0						0	0	0	13	15	5.4
15	0						0	0	0	15	15	5.2
16	0						0	0	0	14	15	5.1
17	0						0	0	0	13	15	4.8
18	0						0	0	0	13	15	5.1
19	0						0	0	0	12	15	5.4
20	0						0	0	0	13	13	5.0
21	0						0	0	0	15	7.0	4.6
22	0						0	0	3.6	11	4.5	4.5
23	0						0	0	9.8	11	5.4	4.8
24	0						0	0	9.8	11	5.6	4.1
25	0						0	0	10	10	3.5	1.6
26	0						0	0	13	11	2.7	3.7
27	0						0	0	14	13	2.1	4.9
28	0						0	0	14	16	3.5	2.8
29	0				-----		0	0	14	9.0	2.7	2.9
30	0				-----		0	0	14	8.0	3.1	3.1
31	0	-----			-----		-----	0	-----	11	4.6	-----
TOTAL	47.39						0	0	102.2	389.9	308.2	114.7
MEAN	1.53						0	0	3.41	12.6	9.94	3.82
MAX	7.6						0	0	14	16	19	5.4
MIN	0						0	0	0	6.9	2.1	1.3
AC-FT	94						0	0	203	773	611	228
CAL YEAR 2000	MAX	16	MIN	0	AC-FT	2,290						
WTR YEAR 2001	MAX	19	MIN	0	AC-FT	1,910						

NORTH PLATTE RIVER BASIN

GRAF CANAL from Blue Creek, 00060000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	5.1						0	0	11	5.8	13
2	7.4	6.5						0	0	10	11	13
3	8.1	6.4					0	0	0	10	9.1	13
4	7.3	6.4					0	0	0	11	8.6	11
5	7.2	6.4					0	0	0	10	12	14
6	7.3	6.3					0	.90	0	10	11	13
7	7.3	5.8					0	2.0	0	11	7.4	12
8	7.3	4.4					0	.57	0	12	2.6	9.1
9	7.3	3.4					0	.16	0	12	.31	9.1
10	7.3	1.6					0	.03	0	12	.28	9.2
11	7.3	1.6					0	0	0	9.2	.28	9.8
12	7.4	1.5					0	0	0	9.8	.25	9.8
13	7.5	1.5					0	0	0	9.2	7.8	9.7
14	7.5	1.5					0	0	0	9.8	11	10
15	7.5	1.5					0	0	0	9.8	12	10
16	6.6	1.4					0	0	0	11	8.2	10
17	6.0	1.4					0	0	0	12	9.2	9.9
18	5.9	1.4					0	0	0	12	9.6	3.5
19	5.6	1.4					0	0	0	7.5	9.2	2.9
20	5.5	1.4					0	0	0	3.9	14	8.0
21	5.1	1.4					0	0	0	11	11	9.2
22	4.5	1.3					0	0	0	12	9.4	8.2
23	4.3	.99					0	0	0	11	12	7.8
24	4.7	.79					0	0	0	11	13	17
25	4.4	.64					0	0	.27	11	13	7.6
26	4.5	.34					0	0	1.3	10	13	7.3
27	4.7	0					0	0	3.9	12	13	6.7
28	6.3						0	0	8.3	14	12	6.7
29	4.8				-----		0	0	7.8	13	11	6.7
30	4.7				-----		0	0	10	11	4.9	6.4
31	4.8	-----			-----		-----	0	-----	8.1	11	-----
TOTAL	193.1	72.36					0	3.66	31.57	327.3	272.92	283.6
MEAN	6.23	2.68					0	.12	1.05	10.6	8.80	9.45
MAX	8.1	6.5					0	2.0	10	14	14	17
MIN	4.3	0					0	0	0	3.9	.25	2.9
AC-FT	383	144					0	7.3	63	649	541	563
CAL YEAR 2000	MAX	16	MIN	0	AC-FT	2,430						
WTR YEAR 2001	MAX	17	MIN	0	AC-FT	2,350						

NORTH PLATTE RIVER BASIN

BLUE CREEK near Lewellen, 06687000 - 2001

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 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 189 cubic feet per second September 19, gage height 4.72 feet; maximum gage height 6.33 feet November 18 due to backwater from ice; no flow August 7, 12, 30.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	104	91	88E	89	100	94	85	80	1.8	.06	1.8
2	29	104	88	90E	91	104	92	86	75	1.0	4.4	3.1
3	30	94	88E	96	95	106	101	92	79	.27	.28	1.9
4	34	90	89	98	95	106	102	95	85	.29	1.2	.92
5	34	94	92	98	96	106	99	107	85	.18	3.8	30
6	39	91	89	98	99	106	98	120	82	.25	2.2	38
7	42	90	89	97	99	107	108	104	101	1.7	0	84
8	42	94	88	96	84E	105	105	92	86	4.9	3.9	59
9	42	92E	84	95	84E	103	98	89	85	5.6	5.5	57
10	42	90E	82E	97	86E	103	93	88	84	29	2.1	54
11	41	86E	84E	99	88E	98	99	87	85	48	1.4	51
12	41	84E	80E	99	92E	97	105	87	87	43	0	48
13	39	80E	80E	98	92E	101	97	86	89	28	5.8	46
14	48	78E	80E	96	90E	100	91	85	85	49	.14	74
15	50	82E	82E	95	90E	96	89	83	95	47	.52	89
16	51	84E	84E	93	90	94	87	83	80	61	.26	71
17	56	86E	86E	92E	92E	93	86	83	70	30	.24	60
18	61	88E	88E	92	94	93	86	85	60	9.5	.06	118
19	62	90E	90E	91	103	93	88	85	53	2.0	2.8	166
20	62	92E	90E	90	108	94	88	86	38	.88	9.0	114
21	62	92E	90E	90	106	96	89	83	36	5.9	.76	71
22	90	92E	92E	88	103	102	97	80	26	6.8	.04	44
23	101	92E	92E	88	108	98	120	79	12 E	4.5	1.6	41
24	95	92E	90E	88	104	93	125	77	7.0 E	2.0	4.8	41
25	91	92E	90E	89	103	92	127	76	2.7	1.7	5.8	46
26	89	94E	90E	89	103	90	100	77	.37	1.9	3.1	47
27	89	94E	90E	90E	100	91	94	77	1.7	15	1.9	50
28	93	92E	90E	90	98	94	90	80	1.2	40	.17	48
29	124	91	90E	95	-----	93	86	82	.72	36	.07	51
30	119	91	90	96	-----	93	86	92	1.3	13	0	49
31	104	-----	87	92E	-----	94	-----	86	-----	.69	.10	-----
TOTAL	1,932	2,715	2,715	2,893	2,682	3,041	2,920	2,697	1,672.99	490.86	62.00	1,654.72
MEAN	62.3	90.5	87.6	93.3	95.8	98.1	97.3	87.0	55.8	15.8	2.00	55.2
MAX	124	104	92	99	108	107	127	120	101	61	9.0	166
MIN	29	78	80	88	84	90	86	76	.37	.18	0	.92
AC-FT	3,830	5,390	5,390	5,740	5,320	6,030	5,790	5,350	3,320	974	123	3,280
CAL YEAR 2000	TOTAL	22,983.32	MEAN	62.8	MAX	124	MIN	0	AC-FT	45,590		
WTR YEAR 2001	TOTAL	25,475.57	MEAN	69.8	MAX	166	MIN	0	AC-FT	50,530		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER at Lewellen, 06687500 - 2001

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 3,130 cubic feet per second September 18, gage height 7.02 feet; maximum gage height 7.68 feet November 12 due to backwater from ice; minimum daily discharge 227 cubic feet per second July 6.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,160	1,950	1,400E	1,140E	980E	1,140	928	1,050	1,080	288	1,050	637
2	2,120	1,790	1,450E	1,180E	920E	1,110	929	1,060	982	260	1,080	1,040
3	1,970	1,690	1,450E	1,180E	900E	1,170	1,030	1,170	965	299	948	1,340
4	1,850	1,660	1,450E	1,160E	1,020E	1,160	1,050	1,250	1,050	330	808	1,290
5	1,780	1,680	1,450E	1,140E	1,040E	1,070	1,080	1,440	1,140	271	736	1,250
6	1,710	1,650	1,400E	1,120E	1,020E	1,060	1,040	1,400	1,250	227	728	1,250
7	1,690	1,560	1,400E	1,120E	980E	1,060	1,130	1,410	1,330	264	708	1,440
8	1,650	1,400	1,400E	1,100E	660E	1,070	1,040	1,500	1,290	336	696	1,330
9	1,610	1,460	1,350E	1,080E	410E	1,060	975	1,440	1,220	391	667	1,340
10	1,590	1,450	1,300E	1,080E	500E	1,050	949	1,330	1,160	599	629	1,360
11	1,590	1,370	700E	1,000E	731	1,050	1,080	1,260	1,120	728	640	1,410
12	1,590	1,000E	480E	980E	985	1,050	1,140	1,210	1,100	2,310	674	1,490
13	1,570	800E	600E	980E	1,210	1,050	1,080	1,160	1,050	3,010	698	1,540
14	1,590	800E	700E	960E	1,170	1,010	1,050	1,100	1,010	2,630	688	1,700
15	1,580	900E	760E	960E	850	989	1,010	1,020	986	2,500	676	1,740
16	1,570	980E	780E	960E	824	997	946	932	924	2,530	627	1,820
17	1,550	1,100E	820E	940E	925	986	939	861	871	2,180	602	1,890
18	1,530	1,300E	840E	900E	943	974	937	823	817	1,890	599	2,590
19	1,490	1,350E	880E	960E	1,250	953	954	785	754	1,630	633	2,740
20	1,450	1,400E	900E	1,000E	1,430	964	950	942	683	1,410	662	2,510
21	1,420	1,400E	900E	1,060E	1,130	980	967	1,040	650	1,210	693	2,300
22	1,550	1,400E	920E	1,100E	1,110	1,020	1,060	1,010	560	1,080	685	2,180
23	1,780	1,400E	1,000E	1,160E	1,180	999	1,180	971	578	923	705	2,150
24	1,750	1,450E	1,020E	1,140E	1,050	956	1,220	1,070	533	854	716	2,170
25	1,640	1,450E	1,020E	1,120E	957	949	1,210	1,160	484	817	702	2,100
26	1,560	1,500E	1,000E	1,100E	1,050	961	1,180	1,130	417	776	709	1,910
27	1,570	1,500E	1,000E	1,080E	856	987	1,150	1,070	358	918	700	1,880
28	1,600	1,500E	1,020E	1,060E	820	1,000	1,130	1,050	361	1,140	666	1,730
29	1,870	1,450E	1,040E	1,060E	-----	995	1,070	1,060	375	1,300	643	1,610
30	1,810	1,400E	1,080E	1,040E	-----	992	1,030	1,110	338	1,280	615	1,580
31	1,890	-----	1,100E	1,000E	-----	955	-----	1,100	-----	1,170	627	-----
TOTAL	52,080	41,740	32,610	32,860	26,901	31,767	31,434	34,914	25,436	35,551	22,010	51,317
MEAN	1,680	1,391	1,052	1,060	961	1,025	1,048	1,126	848	1,147	710	1,711
MAX	2,160	1,950	1,450	1,180	1,430	1,170	1,220	1,500	1,330	3,010	1,080	2,740
MIN	1,420	800	480	900	410	949	928	785	338	227	599	637
AC-FT	103,300	82,790	64,680	65,180	53,360	63,010	62,350	69,250	50,450	70,520	43,660	101,800
CAL YEAR 2000 TOTAL		416,617	MEAN	1,138	MAX	2,320	MIN	355	AC-FT	826,400		
WTR YEAR 2001 TOTAL		418,620	MEAN	1,147	MAX	3,010	MIN	227	AC-FT	830,300		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

KINGSLEY RESERVOIR from North Platte River, 06690000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	900,200	966,200	1,008,600	1,036,500	1,075,800	1,113,800	1,152,600	1,204,000	1,227,800	1,150,300	1,002,100	844,300
2	904,200	966,200	1,010,700	1,038,700	1,078,100	1,113,800	1,154,900	1,204,000	1,225,400	1,143,400	1,000,000	842,300
3	906,200	968,300	1,010,700	1,038,700	1,080,300	1,116,100	1,154,900	1,206,400	1,227,800	1,134,300	993,600	840,300
4	908,300	968,300	1,010,700	1,040,800	1,080,300	1,118,400	1,154,900	1,206,400	1,227,800	1,127,500	987,300	840,300
5	910,300	972,500	1,015,000	1,040,800	1,082,500	1,118,400	1,159,500	1,208,700	1,227,800	1,118,400	980,900	838,400
6	910,300	974,600	1,015,000	1,043,000	1,082,500	1,122,900	1,164,200	1,211,100	1,227,800	1,109,300	974,600	838,400
7	912,300	976,700	1,017,100	1,043,000	1,086,900	1,122,900	1,161,900	1,211,100	1,227,800	1,100,300	966,200	840,300
8	914,400	974,600	1,019,300	1,045,200	1,086,900	1,122,900	1,164,200	1,213,500	1,227,800	1,093,600	957,800	840,300
9	914,400	976,700	1,019,300	1,047,400	1,086,900	1,125,200	1,166,500	1,213,500	1,230,200	1,084,700	949,500	840,300
10	916,400	978,800	1,021,400	1,047,400	1,086,900	1,125,200	1,168,800	1,215,900	1,227,800	1,082,500	939,100	838,400
11	918,500	980,900	1,021,400	1,049,500	1,086,900	1,127,500	1,173,500	1,215,900	1,227,800	1,078,100	930,800	840,300
12	920,500	978,800	1,019,300	1,051,700	1,089,100	1,129,700	1,173,500	1,220,600	1,227,800	1,075,800	922,600	840,300
13	924,600	978,800	1,019,300	1,051,700	1,091,400	1,132,000	1,175,800	1,220,600	1,230,200	1,071,400	914,400	840,300
14	924,600	980,900	1,019,300	1,053,900	1,091,400	1,132,000	1,175,800	1,220,600	1,227,800	1,069,200	910,300	844,300
15	926,700	980,900	1,021,400	1,056,100	1,091,400	1,134,300	1,178,100	1,223,000	1,227,800	1,067,000	904,200	846,200
16	926,700	980,900	1,019,300	1,056,100	1,093,600	1,134,300	1,178,100	1,223,000	1,225,400	1,064,800	900,200	850,200
17	926,700	983,000	1,021,400	1,056,100	1,095,900	1,136,600	1,180,400	1,223,000	1,225,400	1,062,600	896,100	852,200
18	930,800	985,200	1,023,600	1,056,100	1,093,600	1,138,900	1,182,800	1,225,400	1,225,400	1,058,300	892,100	856,100
19	930,800	985,200	1,023,600	1,058,300	1,095,900	1,138,900	1,182,800	1,225,400	1,223,000	1,049,500	886,000	860,100
20	932,900	985,200	1,023,600	1,060,400	1,100,300	1,141,200	1,187,500	1,227,800	1,223,000	1,049,500	882,000	864,100
21	932,900	989,400	1,023,600	1,060,400	1,102,600	1,141,200	1,185,200	1,227,800	1,220,600	1,045,200	878,000	868,000
22	937,000	991,500	1,025,700	1,062,600	1,102,600	1,141,200	1,189,800	1,225,400	1,218,300	1,040,800	872,000	872,000
23	939,100	993,600	1,025,700	1,062,600	1,104,800	1,145,700	1,192,200	1,227,800	1,213,500	1,036,500	868,000	874,000
24	943,200	995,800	1,027,900	1,064,800	1,107,100	1,145,700	1,192,200	1,227,800	1,208,700	1,032,200	866,000	878,000
25	943,200	997,900	1,027,900	1,067,000	1,107,100	1,145,700	1,194,600	1,225,400	1,201,600	1,027,900	862,100	882,000
26	945,300	1,000,000	1,030,000	1,067,000	1,109,300	1,148,000	1,196,900	1,225,400	1,196,900	1,023,600	860,100	886,000
27	945,300	1,002,100	1,032,200	1,069,200	1,111,600	1,150,300	1,196,900	1,227,800	1,187,500	1,021,400	856,100	890,100
28	951,600	1,004,300	1,032,200	1,071,400	1,111,600	1,150,300	1,199,200	1,225,400	1,180,400	1,017,100	854,100	894,100
29	955,700	1,006,400	1,034,400	1,071,400	-----	1,150,300	1,199,200	1,227,800	1,171,100	1,012,800	850,200	896,100
30	957,800	1,008,600	1,034,400	1,073,600	-----	1,152,600	1,201,600	1,227,800	1,161,900	1,008,600	848,200	900,200
31	959,900	-----	1,034,400	1,075,800	-----	1,152,600	-----	1,227,800	-----	1,006,400	846,200	-----
MAX	959,900	1,008,600	1,034,400	1,075,800	1,111,600	1,152,600	1,201,600	1,227,800	1,230,200	1,150,300	1,002,100	900,200
MIN	900,200	966,200	1,008,600	1,036,500	1,075,800	1,113,800	1,152,600	1,204,000	1,161,900	1,006,400	846,200	838,400
CHANGE	59,700	48,700	25,800	41,400	35,800	41,000	49,000	26,200	-65,900	-155,500	-160,200	54,000
CAL YEAR 2000			MEAN	246,866		MAX	1,520,000		MIN	876,000		
WTR YEAR 2001			MEAN	1,055,340		MAX	1,230,200		MIN	838,400		

NORTH PLATTE RIVER BASIN

SUTHERLAND CANAL from North Platte River and Kingsley Reservoir, 00138000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	661	505	480	654	359	462	403	308	922	1,750	1,680	1,340
2	651	514	472	652	355	460	299	344	923	1,750	1,690	1,300
3	644	512	468	648	353	460	375	428	926	1,720	1,690	1,290
4	643	512	468	646	355	455	389	452	926	1,720	1,700	1,250E
5	615	511	502	613	353	455	392	457	925	1,720	1,700	1,200E
6	606	518	470	594	388	451	396	452	916	1,740	1,710	1,170
7	610	517	464	601	451	454	404	467	925	1,760	1,710	1,170
8	613	516	471	604	458	459	407	448	917	1,750	1,710	1,180
9	611	515	521	568	501	454	410	438	915	1,740	1,720	1,170
10	614	520	544	551	456	461	319	443	915	1,730	1,720	1,160
11	608	514	653	550	453	461	280	441	916	1,720	1,730	1,100
12	604	514	740	546	444	459	281	443	912	1,680	1,730	947
13	592	516	733	547	453	455	279	437	907	1,700	1,740	793
14	589	512	731	553	457	456	282	439	946	1,700	1,730	681
15	590	514	663	553	459	463	293	436	1,040	1,690	1,720	633
16	593	513	640	552	455	417	299	436	1,040	1,670	1,720	622
17	596	519	634	554	456	373	305	442	1,050	1,670	1,720	621
18	595	517	634	550	454	371	305	456	1,040	1,660	1,720	619
19	594	512	644	529	450	371	311	568	1,050	1,650	1,730	602
20	594	517	638	475	457	374	321	604	1,100	1,640	1,710	478
21	598	523	647	455	457	378	333	646	1,290	1,650	1,710	347
22	600	516	645	455	455	386	348	719	1,430	1,650	1,720	267
23	606	488	647	454	457	396	343	866	1,610	1,660	1,720	228
24	608	465	650	453	456	402	332	928	1,710	1,660	1,730	177
25	566	465	652	461	458	399	335	922	1,770	1,660	1,740	141
26	516	467	651	449	460	402	330	927	1,780	1,670	1,730	0
27	523	463	645	450	464	403	317	926	1,750	1,670	1,690	0
28	532	464	643	448	467	403	322	919	1,760	1,650	1,630	0
29	534	479	649	409	-----	405	319	921	1,760	1,650	1,580	0
30	526	475	645	349	-----	402	314	926	1,740	1,660E	1,380	0
31	504	-----	650	360	-----	407	-----	923	-----	1,660E	1,350	-----
TOTAL	18,336	15,093	18,694	16,283	12,241	13,154	10,043	18,562	35,811	52,400	52,260	20,486
MEAN	591	503	603	525	437	424	335	599	1,190	1,690	1,690	683
MAX	661	523	740	654	501	463	410	928	1,780	1,760	1,740	1,340
MIN	504	463	464	349	353	371	279	308	907	1,640	1,350	0
AC-FT	36,369	29,937	37,079	32,297	24,280	26,091	19,920	36,817	71,030	103,934	103,656	40,633
CAL YEAR 2000	TOTAL	430,783	MEAN	1,180	MAX	1,800	MIN	435	AC-FT	854,446		
WTR YEAR 2001	TOTAL	283,363	MEAN	776	MAX	1,780	MIN	0	AC-FT	562,043		

E indicates estimated discharge.

SOUTH PLATTE RIVER BASIN

SOUTH PLATTE SUPPLY CANAL (Korty) from South Platte River, 06764900 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	225	361	0	299	0	0	0	0
2	0	0	0	0	223	484	0	258	0	0	0	0
3	0	0	0	0	219	455	0	219	0	0	0	0
4	0	0	0	0	238	410	0	188	0	0	0	0
5	0	0	0	0	220	329	0	201	0	0	0	0
6	0	0	0	0	216	227	0	198	0	0	0	0
7	0	0	0	0	262	204	0	180	0	0	0	0
8	0	0	0	0	354	165	0	153	0	0	0	0
9	0	0	0	0	569	202	86E	196	0	0	0	0
10	0	0	0	0	313	181	191	474	0	0	0	0
11	0	0	0	0	267	184	187	646	0	0	0	0
12	0	0	0	0	323	156	193	735	0	0	0	0
13	0	0	0	0	412	134	190	747	0	0	0	0
14	0	0	0	0	405	148	189	778	0	0	0	0
15	0	0	0	0	296	149	189	721	0	0	0	0
16	0	0	0	0	297	120	188	581	0	0	0	0
17	0	0	0	0	268	99	188	449	0	0	0	0
18	0	0	0	95	289	105	229	339	0	0	0	0
19	0	0	0	101	372	105	298	176	0	0	0	0
20	0	0	0	100	497	50E	298	153	0	0	0	71E
21	0	0	0	104	649	21E	294	128	0	0	0	88
22	0	0	0	130	578	0	303	103	0	0	0	89
23	0	0	0	200	639	0	296	50E	0	0	0	89
24	0	0	0	219	609	0	297	0	0	0	0	89
25	0	0	0	230	523	0	292	0	0	0	0	88
26	0	0	0	206	512	0	303	0	0	0	0	87
27	0	0	0	218	513	0	286	0	0	0	0	73
28	0	0	0	204	395	0	250	0	0	0	0	110
29	0	0	0	215	-----	0	283	0	0	0	0	104
30	0	0	0	222	-----	0	293	0	0	0	0	74
31	0	-----	0	238	-----	0	-----	0	-----	0	0	-----
TOTAL	0	0	0	2,482	10,683	4,289	5,323	7,972	0	0	0	962
MEAN	0	0	0	80.1	382	138	177	257	0	0	0	32.1
MAX	0	0	0	238	649	484	303	778	0	0	0	110
MIN	0	0	0	0	216	0	0	0	0	0	0	0
AC-FT	0	0	0	4,920	21,190	8,510	10,560	15,810	0	0	0	1,910
CAL YEAR 2000 TOTAL		66,401	MEAN	181	MAX	884	MIN	0	AC-FT	131,700		
WTR YEAR 2001 TOTAL		31,711	MEAN	86.9	MAX	778	MIN	0	AC-FT	62,900		

E indicates estimated discharge.

NORTH & SOUTH PLATTE RIVER BASIN

SUTHERLAND RESERVOIR from North & South Platte Rivers, 00409100 - 2001

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

GAGE.--Staff gage

PERIOD OF RECORD.--1936 - present

REMARKS.--Published as combined total of Sutherland and Maloney Reservoirs before 1988. Values furnished by Central Nebraska Public Power and Irrigation District.

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41,603	43,089	42,583	46,216	48,634	49,383	48,578	51,965	55,929	56,482	49,244	54,914
2	41,471	43,035	42,424	46,434	48,661	49,327	48,412	51,937	56,161	56,278	49,105	55,493
3	41,445	43,009	42,450	46,598	48,744	49,466	48,329	52,022	56,307	56,045	49,161	55,929
4	41,550	42,982	42,371	47,063	48,772	49,466	48,357	52,362	56,715	55,435	48,938	56,220
5	41,656	42,982	42,503	46,899	48,744	49,272	48,302	52,704	56,949	55,087	48,938	56,715
6	41,762	43,009	42,530	46,954	48,744	49,022	48,828	52,732	57,271	55,087	49,022	57,183
7	41,814	42,822	42,477	46,981	48,883	48,938	48,661	52,846	57,594	54,885	48,994	58,064
8	41,867	42,876	42,503	47,063	48,661	48,938	48,661	52,903	57,858	54,885	48,081	58,802
9	41,920	42,902	42,397	47,173	48,495	49,022	48,800	52,846	58,153	54,510	47,668	59,157
10	41,894	43,009	42,344	47,173	48,440	49,022	48,855	52,391	58,477	55,609	47,613	59,810
11	41,920	43,196	42,132	47,200	48,440	49,188	49,662	52,391	58,625	56,132	47,530	60,645
12	41,946	43,196	42,265	47,228	48,523	49,216	49,913	52,875	58,477	56,569	47,475	61,363
13	41,973	43,142	42,371	47,310	48,744	49,188	50,052	53,218	58,595	55,435	47,888	61,813
14	41,841	43,035	42,902	47,310	48,883	49,105	50,192	53,590	58,654	55,319	48,136	61,753
15	41,814	43,088	43,302	47,255	48,938	49,077	50,276	53,934	59,009	54,972	48,689	61,663
16	41,788	43,035	43,570	47,228	48,994	49,105	50,388	54,078	59,335	54,366	48,689	61,453
17	41,682	43,062	43,837	47,228	48,994	49,022	50,528	53,992	59,780	54,366	48,744	61,453
18	41,603	43,116	43,891	47,173	49,133	48,966	50,444	54,107	59,840	54,020	48,883	61,513
19	41,550	42,955	44,106	47,200	49,133	48,966	50,612	53,992	59,454	53,819	49,466	61,573
20	41,524	42,796	44,240	47,310	49,383	48,938	50,837	54,164	59,394	53,017	49,466	61,543
21	41,366	42,689	44,294	47,173	49,466	48,800	50,921	54,279	59,157	52,903	49,439	61,273
22	41,471	42,743	44,509	47,393	49,494	48,578	51,371	54,222	58,891	52,590	50,024	61,003
23	41,524	42,689	44,689	47,530	49,689	48,523	51,512	54,193	58,920	52,164	50,388	60,674
24	41,603	42,636	44,806	47,723	49,578	48,440	51,597	54,222	58,891	52,022	50,809	60,197
25	41,709	42,743	45,022	47,888	49,466	48,357	51,739	54,366	59,098	51,090	50,752	59,454
26	41,603	42,769	45,211	47,998	49,466	48,302	51,852	54,539	57,711	50,837	51,174	58,595
27	41,630	42,796	45,564	48,191	49,355	48,274	51,852	54,741	57,506	50,444	52,107	57,917
28	42,583	42,769	45,971	48,440	49,327	48,302	51,767	55,001	57,447	49,941	52,391	57,271
29	42,796	42,530	46,189	48,772	-----	48,274	51,852	55,232	57,506	49,885	52,989	56,803
30	42,849	42,530	45,971	48,772	-----	48,440	51,852	55,493	57,066	49,857	53,532	56,249
31	43,196	-----	46,053	48,634	-----	48,606	-----	55,754	-----	49,327	54,193	-----
MAX	43,196	43,196	46,189	48,772	49,689	49,466	51,852	55,754	59,840	56,569	54,193	61,813
MIN	41,366	42,530	42,132	46,216	48,440	48,274	48,302	51,937	55,929	49,327	47,475	54,914
CHANGE	1,566	-666	3,523	2,581	693	-721	3,246	3,902	1,312	-7,739	4,866	2,056
CAL YEAR 2000			MEAN	47,008	MAX	57,200	MIN	40,800				
WTR YEAR 2001			MEAN	49,832	MAX	61,813	MIN	41,366				

NORTH & SOUTH PLATTE RIVER BASIN

MALONEY RESERVOIR from North & South Platte Rivers, 00405500 - 2001

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

GAGE.--Staff gage

PERIOD OF RECORD.--1936 - present

REMARKS.--Published as combined total of Sutherland and Maloney Reservoirs before 1988. Values furnished by Central Nebraska Public Power and Irrigation District.

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

DAILY CONTENTS IN ACRE- FEET WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17,800	17,965	17,965	17,965	17,640	17,800	18,130	17,800	18,130	17,480	17,640	17,800
2	17,800	17,640	18,130	17,800	17,640	17,800	18,130	17,640	18,130	17,480	17,640	17,965
3	17,800	17,480	17,965	17,965	17,640	17,800	17,965	17,640	18,130	17,480	17,640	17,800
4	17,800	17,480	17,965	17,965	17,640	17,640	17,800	17,640	18,130	17,480	17,480	17,965
5	17,800	17,480	17,965	17,965	17,640	17,640	17,800	17,800	17,965	17,640	17,480	17,965
6	17,800	17,480	17,965	17,965	17,640	17,640	17,965	17,800	17,965	17,640	17,480	17,965
7	17,640	17,480	17,965	17,965	17,640	17,640	17,800	17,640	17,965	17,640	17,320	17,800
8	17,640	17,480	17,965	17,965	17,640	17,480	17,640	17,640	17,965	17,640	17,160	18,130
9	17,640	17,480	17,640	17,965	17,640	17,480	17,640	17,640	17,965	17,640	17,160	18,130
10	17,800	17,480	17,480	17,800	17,640	17,480	17,640	17,965	17,965	17,965	17,160	17,965
11	17,800	17,800	17,480	17,800	17,640	17,480	17,800	18,130	17,800	17,965	17,320	17,965
12	17,800	17,640	17,480	17,800	17,640	17,320	17,800	18,130	17,640	17,965	17,480	17,800
13	17,800	17,640	17,640	17,800	17,640	17,320	17,800	17,965	17,800	17,640	17,480	17,480
14	17,800	17,640	17,800	17,640	17,800	17,320	17,800	17,800	17,800	17,640	17,640	17,320
15	17,640	17,640	17,800	17,640	17,800	17,320	17,640	17,800	17,800	17,640	17,640	17,320
16	17,640	17,640	17,800	17,640	17,800	17,480	17,800	17,640	17,640	17,640	17,640	17,000
17	17,640	17,480	17,800	17,640	17,800	17,480	17,640	17,640	17,800	17,480	17,640	16,840
18	17,640	17,480	17,800	17,640	17,800	17,480	17,640	17,640	17,320	17,480	17,640	16,520
19	17,640	17,480	17,800	17,640	17,800	17,480	17,640	17,640	17,320	17,480	17,640	16,045
20	17,640	17,640	17,800	17,640	17,800	17,480	17,640	17,640	17,320	17,480	17,640	15,580
21	17,640	17,640	17,800	17,640	17,640	17,640	17,640	17,480	17,320	17,320	17,640	14,960
22	17,640	17,640	17,800	17,640	17,800	17,800	17,800	17,480	17,480	17,320	17,640	14,215
23	17,640	17,800	17,800	17,640	17,965	17,800	17,800	17,480	17,800	17,320	17,640	13,490
24	17,640	17,800	17,800	17,640	17,965	17,965	17,800	17,640	17,800	17,320	17,640	12,640
25	17,800	18,130	17,800	17,640	17,965	17,965	17,800	17,640	17,640	17,320	17,640	13,200
26	17,800	17,965	17,800	17,640	17,965	17,965	17,800	17,640	17,480	17,480	17,800	13,200
27	18,295	17,965	17,800	17,640	17,965	17,965	17,800	17,800	17,480	17,480	17,640	13,200
28	18,130	17,965	17,800	17,640	17,965	17,965	17,800	17,800	17,640	17,480	17,640	10,890
29	18,295	17,965	17,800	17,640	-----	18,130	17,800	17,965	17,640	17,480	17,640	10,500
30	18,295	17,965	17,800	17,640	-----	17,965	17,800	18,130	17,480	17,480	17,640	10,125
31	18,130	-----	17,965	17,640	-----	18,130	-----	18,130	-----	17,480	17,800	-----
MAX	18,295	18,130	18,130	17,965	17,965	18,130	18,130	18,130	18,130	17,965	17,800	18,130
MIN	17,640	17,480	17,480	17,640	17,640	17,320	17,640	17,480	17,320	17,320	17,160	10,125
CHANGE	330	-165	0	-325	325	165	-330	330	-650	0	320	-7,675
CAL YEAR 2000			MEAN	17,519	MAX	18,295	MIN	12,900				
WTR YEAR 2001			MEAN	17,561	MAX	18,295	MIN	10,125				

NORTH & SOUTH PLATTE RIVER BASIN

SUTHERLAND POWER RETURN to the South Platte River, 00140000 - 2001

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

GAGE.--Differential pressure recorder

PERIOD OF RECORD.--1939 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	653	367	421	485	482	742	307	467	677	1,630	1,520	879
2	638	386	423	488	485	742	317	464	662	1,620	1,520	749
3	641	433	416	488	485	749	337	467	659	1,640	1,500	839
4	618	436	408	485	482	749	334	475	662	1,660	1,500	839
5	560	436	408	488	482	758	330	482	647	1,660	1,490	829
6	528	433	413	488	482	767	343	477	635	1,650	1,490	823
7	528	431	411	488	514	721	341	469	638	1,650	1,480	755
8	539	431	411	485	580	595	323	469	638	1,650	1,550	687
9	549	431	441	475	618	520	323	469	638	1,660	1,640	684
10	549	433	334	464	618	522	320	583	641	1,480	1,680	674
11	552	438	475	462	621	525	327	671	650	1,280	1,610	595
12	549	441	541	459	621	522	334	820	671	1,250	1,560	482
13	544	443	541	456	621	520	332	780	677	1,320	1,490	436
14	547	498	549	456	624	514	327	770	674	1,590	1,400	475
15	544	467	528	464	624	509	327	770	671	1,660	1,390	539
16	544	413	459	477	612	475	327	767	671	1,650	1,390	555
17	544	382	459	482	597	426	347	761	674	1,630	1,380	552
18	544	451	477	482	597	408	346	699	676	1,630	1,380	544
19	544	462	498	482	624	406	436	621	829	1,620	1,380	512
20	544	469	485	482	656	374	485	536	907	1,620	1,380	449
21	544	459	418	482	721	360	454	472	978	1,620	1,380	406
22	544	472	438	482	804	382	454	533	1,100	1,620	1,380	386
23	541	451	459	482	832	379	469	641	1,200	1,630	1,380	346
24	541	443	459	480	823	365	469	693	1,260	1,620	1,380	318
25	517	436	459	482	804	358	467	699	1,340	1,610	1,380	394
26	469	416	475	488	792	343	467	702	1,520	1,600	1,380	464
27	443	406	501	485	770	337	467	702	1,680	1,600	1,280	446
28	459	413	461	485	749	332	467	705	1,690	1,590	1,160	401
29	428	411	490	490	-----	330	477	711	1,650	1,600	1,150	348
30	394	411	488	480	-----	330	472	705	1,630	1,550	1,050	316
31	391	-----	488	480	-----	330	-----	693	-----	1,490	933	-----
TOTAL	16,530	12,999	14,234	14,852	17,720	15,390	11,526	19,273	27,645	49,080	43,583	16,722
MEAN	533	433	459	479	633	496	384	622	922	1,583	1,406	557
MAX	653	498	549	490	832	767	485	820	1,690	1,660	1,680	879
MIN	391	367	334	456	482	330	307	464	635	1,250	933	316
AC-FT	32,790	25,780	28,230	29,460	35,150	30,530	22,860	38,230	54,830	97,350	86,450	33,170
CAL YEAR 2000	TOTAL	427,236	MEAN	1,167	MAX	1,740	MIN	334	AC-FT	847,400		
WTR YEAR 2001	TOTAL	259,554	MEAN	711	MAX	1,690	MIN	307	AC-FT	514,800		

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER near Keystone, 06690500 - 2001

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 good.

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 3,390 cubic feet per second August 12, gage height 5.46 feet; no flow December 16 to January 8, February 8 to March 4.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	23	20	0	24	0	25	8.8	204	3,200	1,320	346
2	27	21	19	0	23	0	24	16	206	2,960	1,410	354
3	26	20	19	0	23	0	24	8.8	205	2,870	1,680	351
4	21	21	17	0	23	0	23	20	203	2,850	2,190	305
5	15	26	17	0	22	.12	24	20	206	2,610	2,260	275
6	17	22	16	0	22	27	25	19	210	2,780	2,400	278
7	22	20	15	0	11	29	24	16	175	2,790	2,640	251
8	29	27	20	0	0	29	23	16	149	2,790	2,750	230
9	29	27	20	16	0	30	23	18	194	2,810	2,940	223
10	28	27	20	16	0	30	22	18	202	2,330	3,300	102
11	29	25	20	22	0	31	24	15	205	1,810	3,340	29
12	28	25	20	23	0	31	21	14	199	1,670	3,110	30
13	31	25	21	25	0	30	22	14	204	1,860	2,290	30
14	32	23	20	25	0	30	22	14	208	2,050	1,650	33
15	34	23	3.8	25	0	26	21	14	205	2,200	1,140	29
16	35	23	0	22	0	22	20	20	201	2,270	1,090	29
17	33	21	0	22	0	23	20	19	202	2,250	1,100	29
18	31	20	0	22	0	23	20	19	205	2,240	1,110	29
19	29	22	0	22	0	23	19	19	203	2,200	1,110	29
20	28	22	0	22	0	25	20	19	204	1,890	1,110	29
21	27	23	0	22	0	25	20	17	243	1,920	1,100	30
22	27	22	0	22	0	25	23	50	492	1,960	1,120	32
23	26	22	0	22	0	25	14	85	992	1,880	1,120	33
24	26	21	0	23	0	25	23	104	1,240	1,400	708	33
25	24	21	0	24	0	25	35	128	1,470	999	589	29
26	23	21	0	24	0	24	22	145	2,080	1,010	446	20
27	21	22	0	23	0	25	20	138	2,630	1,010	344	20
28	20	22	0	23	0	25	20	135	2,990	1,340	363	38
29	19	23	0	23	-----	25	15	139	3,210	1,340	301	104
30	18	22	0	24	-----	25	4.6	143	3,240	1,340	326	103
31	18	-----	0	24	-----	25	-----	178	-----	1,310	343	-----
TOTAL	838	682	267.8	516	148	683.12	642.6	1,589.6	22,577	63,939	46,700	3,453
MEAN	27.0	22.7	8.64	16.6	5.29	22.0	21.4	51.3	753	2,063	1,506	115
MAX	65	27	21	25	24	31	35	178	3,240	3,200	3,340	354
MIN	15	20	0	0	0	0	4.6	8.8	149	999	301	20
AC-FT	1,660	1,350	531	1,020	294	1,350	1,270	3,150	44,780	126,800	92,630	6,850
CAL YEAR 2000	TOTAL	206,018.73	MEAN	563	MAX	2,900	MIN	0	AC-FT	408,600		
WTR YEAR 2001	TOTAL	142,036.12	MEAN	389	MAX	3,340	MIN	0	AC-FT	281,700		

NORTH PLATTE RIVER BASIN

KEITH - LINCOLN COUNTY CANAL from North Platte River. 00076000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1								0	52	97	78	61	
2								0	52	95	80	60	
3								0	52	92	86	59	
4								0	52	92	84	59	
5								0	51	93	84	57	
6								0	52	89	85	57	
7								0	51	93	88	55	
8								0	51	94	87	45	
9								0	52	96	86	31	
10								0	51	55	84	45	
11								0	50	4.4	83	51	
12							0	0	49	2.9	82	46	
13							0	0	50	2.3	80	28	
14							0	0	50	27	76	4.8	
15							0	0	50	85	70	3.0	
16								0	50	86	71	1.5	
17								0	51	90	69	.35	
18								0	56	99	68	0	
19								0	56	102	68	0	
20								0	56	96	67	0	
21								0	59	91	66	0	
22								0	67	90	66	0	
23								0	65	86	68	0	
24								0	18	63	84	70	
25								0	63	73	84	59	
26								0	53	80	84	65	
27								0	49	84	83	64	
28								0	49	96	82	63	
29								0	34	97	80	63	
30								0	51	96	79	62	
31		-----			-----		-----	51	-----	78	61	-----	
TOTAL								0	369.8	1,814	2,411.6	2,283	663.65
MEAN								0	11.9	60.5	77.8	73.6	27.7
MAX								0	63	97	102	88	61
MIN								0	0	49	2.3	59	0
AC-FT								0	733	3,600	4,780	4,530	1,320
CAL YEAR 2000	MAX	98	MIN	0	AC-FT	16,610							
WTR YEAR 2001	MAX	102	MIN	0	AC-FT	14,960							

NORTH PLATTE RIVER BASIN

NORTH PLATTE CANAL from North Platte River, 00114000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1								0	81	327	139	158	
2								0	103	332	166	151	
3								0	104	329	187	148	
4								0	104	307	193	149	
5								0	103	302	191	146	
6								0	52	306	224	143	
7								0	105	314	246	136	
8								0	103	311	269	95	
9								0	101	304	271	58	
10								2.0	100	195	269	58	
11								2.6	100	148	267	58	
12								1.4	99	130	254	58	
13								0	4.6	97	116	59	
14								0	65	114	123	61	
15								0	59	122	144	59	
16								0	67	123	186	56	
17								0	79	134	207	23	
18								0	84	142	238	2.8	
19								0	82	142	290	2.3	
20								0	81	140	305	2.1	
21								0	79	142	291	1.9	
22								0	78	144	292	.58	
23								0	79	174	303	0	
24								0	83	206	216	0	
25								0	94	217	191	0	
26								0	86	252	197	0	
27								0	77	272	195	0	
28								0	76	282	166	0	
29					-----			0	78	307	159	0	
30					-----			0	78	323	152	0	
31		-----			-----		-----	77	-----	127	177	-----	
TOTAL								0	1,412.6	4,488	7,203	6,681	1,625.68
MEAN								0	45.6	150	232	216	67.7
MAX								0	94	323	332	271	158
MIN								0	0	52	116	139	0
AC-FT								0	2,800	8,900	14,290	13,250	3,220
CAL YEAR 2000	MAX	364	MIN	0	AC-FT	56,780							
WTR YEAR 2001	MAX	332	MIN	0	AC-FT	42,470							

NORTH PLATTE RIVER BASIN

PAXTON-HERSHEY CANAL from North Platte River, 00121000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	27	122	88	66
2								0	27	122	90	55
3								0	26	122	91	57
4								0	26	120	94	56
5								0	26	112	98	51
6								0	27	102	110	51
7								0	27	106	118	50
8								0	27	113	120	46
9								0	32	116	120	47
10								0	38	92	117	37
11								0	42	51	112	28
12							0	0	41	0	107	21
13							0	0	42	0	102	18
14							0	0	45	0	95	27
15							0	0	45	54	85	15
16							0	0	45	85	103	4.8
17							0	0	42	91	102	5.0
18							0	0	39	103	103	3.0
19							0	0	39	110	104	2.6
20							0	0	37	122	107	0
21							0	0	34	122	111	3.3
22							0	0	34	122	114	6.7
23							0	0	43	121	109	6.7
24							0	0	58	106	100	2.8
25							0	0	68	100	90	
26							0	1.3	85	98	83	
27							0	21	112	92	75	
28							0	25	119	89	76	
29					-----		0	26	116	94	65	
30					-----		0	27	119	90	73	
31		-----			-----		-----	27	-----	87	78	-----
TOTAL							0	127.3	1,488	2,864	3,040	659.9
MEAN							0	4.11	49.6	92.4	98.1	27.5
MAX							0	27	119	122	120	66
MIN							0	0	26	0	65	0
AC-FT							0	252	2,950	5,680	6,030	1,310
CAL YEAR 2000	MAX	124	MIN	0	AC-FT	23,410						
WTR YEAR 2001	MAX	122	MIN	0	AC-FT	16,220						

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER near Sutherland, 06691000 - 2001

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge 3,200 cubic feet per second July 10, gage height 6.15 feet; minimum daily discharge 27 cubic feet per second May 24.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	269	150	120E	143	72E	88	151	108	2,490	813	95
2	151	204	135	125E	143	72	86	137	93	2,620	779	106
3	149	177	141	130E	150	83	110	133	109	2,550	893	112
4	140	168	128	130E	144	90	110	133	122	2,420	1,170	118
5	142	175	125	130E	134	91	118	202	134	2,490	1,600	104
6	132	154	133	130E	127	110	120	203	197	2,330	1,850	87
7	125	145	129	130E	122	120	171	181	139	2,370	1,930	106
8	125	141	123	132	122E	129	153	177	115	2,420	2,080	130
9	134	137	116	124	125E	126	137	153	89	2,450	2,300	147
10	142	128	106	125	116E	121	128	149	95	2,940	2,440	158
11	149	130E	60	129	114E	127	187	138	92	2,550	2,830	128
12	160	130E	120E	128	112E	143	262	130	101	1,750	3,070	99
13	150	130E	118E	143	110E	147	186	117	106	1,520	3,120	84
14	150	135E	120E	140E	106E	132	137	68	87	1,740	2,430	104
15	149	135E	124E	140E	100E	114	139	60	77	1,720	1,370	114
16	146	135E	124E	145E	94E	105	134	54	76	1,730	757	121
17	139	140E	120E	145E	90E	103	137	36	67	1,840	700	138
18	135	150E	118E	145E	88E	111	143	33	59	1,780	712	187
19	137	160E	116E	150E	86E	117	152	33	55	1,690	741	182
20	138	165E	114E	151	87	117	148	32	50	1,980	712	166
21	131	166	110E	149	80	119	152	30	46	1,610	709	165
22	146	168	110E	143	91	127	173	31	47	1,600	624	165
23	160	165	108E	143	82	123	230	30	170	1,590	759	154
24	164	162	108E	150	74	117	227	27	592	1,620	659	159
25	176	164	110E	147	76	106	207	34	700	964	343	155
26	162	155	108E	148	73	103	197	56	920	600	278	151
27	150	157	104E	140	72E	106	186	73	1,340	588	170	148
28	182	166	106E	154	74E	105	172	76	1,760	661	112	144
29	415	161	110E	158	-----	97	162	97	2,100	883	85	134
30	297	154	110E	154	-----	94	164	121	2,290	982	66	168
31	252	-----	114E	149	-----	92	-----	100	-----	920	72	-----
TOTAL	5,080	4,726	3,618	4,327	2,935	3,419	4,716	2,995	11,936	55,398	36,174	4,029
MEAN	164	158	117	140	105	110	157	96.6	398	1,787	1,167	134
MAX	415	269	150	158	150	147	262	203	2,290	2,940	3,120	187
MIN	125	128	60	120	72	72	86	27	46	588	66	84
AC-FT	10,080	9,370	7,180	8,580	5,820	6,780	9,350	5,940	23,680	109,900	71,750	7,990
CAL YEAR 2000 TOTAL		197,954	MEAN	541	MAX	2,400	MIN	60	AC-FT	392,600		
WTR YEAR 2001 TOTAL		139,353	MEAN	382	MAX	3,120	MIN	27	AC-FT	276,400		

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

BIRDWOOD CANAL from Birdwood Creek, 00016000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22							0	13	27	14	25
2	21							0	12	27	12	27
3	22							0	14	28	7.7	26
4	21							0	15	31	15	21
5	21							0	15	31	17	21
6	21							0	15	30	26	22
7	14							0	16	31	32	24
8	10							0	16	32	32	25
9	9.4							0	15	25	33	25
10	9.6							0	15	24	33	23
11	8.2							0	15	22	33	23
12	7.2						0	0	17	20	34	24
13	5.8						0	0	23	17	36	23
14	9.8						0	0	24	17	35	22
15	16						0	0	23	17	33	16
16							0	0	22	19	33	10
17							0	0	22	23	33	9.9
18							0	0	23	26	33	13
19							0	0	23	27	32	13
20							0	0	23	27	33	9.6
21							0	0	20	26	33	11
22							0	0	17	28	33	11
23							0	0	17	35	36	11
24							0	18	17	22	38	11
25							0	23	18	21	27	11
26							0	24	22	23	22	12
27							0	25	23	24	23	13
28							0	26	25	16	23	13
29					-----		0	28	26	15	24	12
30					-----		0	29	27	17	28	13
31		-----			-----		-----	14	-----	13	24	-----
TOTAL	218.0						0	187	573	741	867.7	520.5
MEAN	14.5						0	6.03	19.1	23.9	28.0	17.4
MAX	22						0	29	27	35	38	27
MIN	5.8						0	0	12	13	7.7	9.6
AC-FT	432						0	371	1,140	1,470	1,720	1,030
CAL YEAR 2000	MAX	44	MIN	0	AC-FT	9,480						
WTR YEAR 2001	MAX	38	MIN	0	AC-FT	6,160						

NORTH PLATTE RIVER BASIN

BIRDWOOD CREEK near Hershey, 06692000 - 2001

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.-- May - September partial year record 1994 - 1999, full time operation May 1931 - 1993, 2000 - present.
Records are fair.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 299 cubic feet per second October 29, gage height 1.67 feet; minimum daily discharge 112 cubic feet per second July 3.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150	214	166	169	167	165	180	170	135E	115	122	131
2	151	186	167	173	162	168	186	165	135E	116	130	132
3	152	177	177	176	170	167	198	158	137	112	131	132
4	151	173	178	179	163	169	188	169	142	113	119	133
5	151	175	172	189	168	167	193	194	141	121	115	132
6	145	164	167	190	176	170	200	207	139	115	117	135
7	159	157	186	182	170	173	229	174	141	113	118	146
8	162	152	191	175	154	172	206	170	142	122	118	148
9	162	161	184	179	146	171	199	166	142	141	114	145
10	171	159	167	189	164	172	197	162	144	190	113	140
11	172	160	166	188	158	162	224	161	144	196	114	139
12	177	157	165E	183	152	169	232	161	139	168	116	138
13	181	155	165E	182	165	177	218	162	129	153	127	138
14	170	154	160E	171	152	175	206	160	125	147	123	161
15	167	157	163	178	149	168	197	160	129	148	130	178
16	169	162	162	177	152	164	189	163	133	145	125	171
17	170	161	160E	175	156	171	181	164	135	138	122	169
18	169	156	163	168	153	172	186	158	136	128	120	184
19	169	163	165E	170	168	172	184	162	134	122	118	177
20	169	169	165	176	167	178	181	159	136	121	118	170
21	168	163	151	175	155	185	188	145	140	120	120	163
22	175	169	165E	174	153	186	194	145E	143	119	119	160
23	188	167	171	169	164	184	189	145E	145	126	122	156
24	178	168	164	171	157	171	200	140E	146	147	124	153
25	186	165	165E	171	149	176	189	140E	142	129	125	160
26	176	162	173	170	167	171	180	140E	136	128	126	163
27	171	166	173	166	160	176	178	140E	127	128	125	162
28	180	180	183	167	157	180	173	140E	118	123	125	164
29	253	181	173	172	-----	184	171	140E	118	128	126	165
30	205	174	175	167	-----	183	180	140E	119	135	143	165
31	199	-----	176	161	-----	179	-----	140E	-----	123	132	-----
TOTAL	5,346	5,007	5,258	5,432	4,474	5,377	5,816	4,900	4,072	4,130	3,797	4,610
MEAN	172	167	170	175	160	173	194	158	136	133	122	154
MAX	253	214	191	190	176	186	232	207	146	196	143	184
MIN	145	152	151	161	146	162	171	140	118	112	113	131
AC-FT	10,600	9,930	10,430	10,770	8,870	10,670	11,540	9,720	8,080	8,190	7,530	9,140

CAL YEAR 2000 TOTAL 54,346 MEAN 148 MAX 253 MIN 101 AC-FT 107,800
WTR YEAR 2001 TOTAL 58,219 MEAN 160 MAX 253 MIN 112 AC-FT 115,500

E indicates estimated discharge.

NORTH PLATTE RIVER BASIN

SUBURBAN CANAL from North Platte River, 00136000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0							0	50	77	89	64
2	0							0	48	77	92	59
3	0							0	47	96	91	59
4	0							0	48	101	90	57
5	0							0	48	103	94	57
6	0							0	50	96	94	65
7	0							0	40	92	103	59
8	0							0	34	94	110	41
9	0							0	20	96	114	34
10	0							0	33	96	110	34
11	0							0	46	69	111	30
12	0							0	47	77	90	17
13								0	46	78	84	9.9
14							0	0	45	85	76	9.2
15							0	0	44	91	62	8.4
16							0	0	43	95	65	8.3
17							0	0	43	96	60	4.9
18							0	0	42	103	62	0
19							0	0	41	108	61	0
20							0	0	42	113	71	0
21							0	0	41	106	83	0
22							0	0	48	107	100	0
23							0	1.1	56	109	112	0
24							0	5.6	67	89	93	0
25							0	5.3	68	81	55	0
26							0	31	73	87	88	
27							0	47	72	99	77	
28							0	49	73	98	72	
29					-----		0	49	80	103	74	
30					-----		0	52	76	103	75	
31		-----			-----		-----	51	-----	93	74	-----
TOTAL	0						0	291.0	1,511	2,918	2,632	616.7
MEAN	0						0	9.39	50.4	94.1	84.9	24.7
MAX	0						0	52	80	113	114	65
MIN	0						0	0	20	69	55	0
AC-FT	0						0	577	3,000	5,790	5,220	1,220
CAL YEAR 2000	MAX	118	MIN	0	AC-FT	19,980						
WTR YEAR 2001	MAX	114	MIN	0	AC-FT	15,810						

NORTH PLATTE RIVER BASIN

CODY-DILLON CANAL from North Platte River, 00027000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2						0	0	4.0	24	3.1	17
2	1.2						0	0	3.6	26	2.5	21
3	1.2						0	0	4.0	25	2.7	18
4	1.5						0	0	4.9	20	6.2	15
5	1.5						0	0	4.9	20	11	11
6	1.3						0	0	4.3	19	12	4.2
7	1.2						0	0	3.8	18	12	20
8	1.2						0	0	3.3	17	10	17
9	1.2						0	0	3.6	18	8.7	5.9
10	1.0						0	0	3.7	20	9.5	4.1
11	.47						0	0	4.5	16	11	3.0
12	0						0	0	4.5	6.2	13	1.3
13							0	0	4.0	3.4	15	.75
14							0	0	4.2	2.9	14	.81
15							0	0	3.3	3.2	7.8	1.3
16							0	0	5.9	3.2	6.3	1.5
17							0	0	11	5.1	13	1.3
18							0	0	9.0	7.5	18	2.2
19							0	0	7.4	6.8	19	2.7
20							0	0	6.9	9.9	18	2.1
21							0	.05	9.7	10	17	1.6
22							0	.52	6.8	9.6	15	1.2
23							0	.48	5.3	13	16	.97
24							0	.25	16	17	24	0
25							0	.11	21	10	16	0
26							0	.26	22	8.6	8.5	
27							0	.16	25	17	4.1	
28							0	.28	30	17	1.7	
29					-----	0	0	.73	19	22	2.8	
30					-----	0	0	7.5	21	7.0	10	
31		-----			-----	0	-----	3.0	-----	2.0	13	-----
TOTAL	12.97					0	0	13.34	276.6	404.4	340.9	153.93
MEAN	1.08					0	0	.43	9.22	13.0	11.0	6.16
MAX	1.5					0	0	7.5	30	26	24	21
MIN	0					0	0	0	3.3	2.0	1.7	0
AC-FT	26					0	0	26	549	802	676	305
CAL YEAR 2000	MAX	27	MIN	0	AC-FT	4,450						
WTR YEAR 2001	MAX	30	MIN	0	AC-FT	2,380						

NORTH PLATTE RIVER BASIN

LINCOLN COUNTY DRAIN NO. 1 at North Platte, 06692500 - 2001

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

GAGE.--Continuous stage recorder

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 170 cubic feet per second August 24, gage height 2.17 feet; minimum daily discharge 19 cubic feet per second March 31, April 2, 4 - 5.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	47	37	31	25	23	20	34	54	55	107	135
2	54	45	38	32	25	23	19	33	62	66	109	120
3	53	44	38	32	25	23	20	32	74	55	129	123
4	52	45	38	32	26	22	19	32	82	53	122	123
5	51	45	38	32	25	22	19	35	83	53	101	111
6	50	44	38	32	25	22	21	35	73	46	93	108
7	49	42	38	32	25	22	23	35	59	47	95	124
8	49	42	38	31	24	22	21	35	76	58	108	127
9	49	41	37	30	26	22	21	35	75	59	108	99
10	48	40	36	30	22	21	22	34	72	96	100	94
11	49	41	34	30	22	21	26	34	71	142	109	102
12	47	39	34	29	22	21	31	34	67	132	122	105
13	46	39	34	29	23	21	40	34	63	121	136	93
14	45	40	34	28	22	21	33	33	68	94	116	86
15	44	40	35	27	22	21	30	50	76	78	100	81
16	43	37	34	27	22	21	30	38	75	81	103	84
17	42	37	34	27	22	20	30	30	70	73	110	88
18	42	38	34	27	23	20	31	37	70	54	102	65
19	42	37	33	26	23	21	30	43	64	56	108	62
20	41	36	34	26	23	21	30	43	54	76	124	60
21	42	36	32	26	23	21	30	43	56	74	100	59
22	44	37	33	26	23	21	32	46	59	75	120	58
23	45	37	33	25	23	20	32	44	63	78	142	55
24	45	37	32	25	24	20	32	48	66	113	163	54
25	43	37	32	24	23	20	33	53	84	91	146	54
26	41	37	32	24	24	20	34	53	73	95	128	53
27	39	37	32	24	22	20	34	50	67	109	126	52
28	43	37	33	25	24	20	34	52	58	129	114	50
29	52	37	32	25	-----	19	34	53	53	130	96	50
30	49	37	32	26	-----	20	35	57	57	136	100	49
31	47	-----	32	25	-----	19	-----	56	-----	122	123	-----
TOTAL	1,441	1,188	1,071	865	658	650	846	1,271	2,024	2,647	3,560	2,524
MEAN	46.5	39.6	34.5	27.9	23.5	21.0	28.2	41.0	67.5	85.4	115	84.1
MAX	55	47	38	32	26	23	40	57	84	142	163	135
MIN	39	36	32	24	22	19	19	30	53	46	93	49
AC-FT	2,860	2,360	2,120	1,720	1,310	1,290	1,680	2,520	4,010	5,250	7,060	5,010
CAL YEAR 2000	TOTAL	18,768	MEAN	51.3	MAX	150	MIN	16	AC-FT	37,230		
WTR YEAR 2001	TOTAL	18,745	MEAN	51.4	MAX	163	MIN	19	AC-FT	37,180		

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER at North Platte, 06693000 - 2001

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 3,760 cubic feet per second July 12, gage height 6.29 feet; minimum daily discharge 224 cubic feet per second June 23.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	332	602	390E	360E	349	363	363	416	315	2,150	1,260	371
2	324	550	390E	360E	372	357	359	403	305	2,360	1,300	391
3	322	490	390E	360E	361	354	377	403	309	2,480	1,280	389
4	329	470	389	350E	360E	359	402	403	321	2,450	1,420	373
5	343	445	386	350E	360E	362	399	455	339	2,390	1,720	353
6	338	432	389	350E	360E	364	404	549	339	2,360	1,990	315
7	338	420	391	350E	360E	364	504	527	378	2,230	2,050	358
8	347	420	384	360E	360E	366	480	464	364	2,220	2,180	419
9	359	417	380	360E	350E	372	431	430	341	2,290	2,290	466
10	370	408	380E	360E	340E	378	411	400	315	2,480	2,390	453
11	362	380E	370E	360E	340E	394	466	396	304	3,370	2,550	431
12	343	370E	360E	370E	340E	397	763	387	306	3,500	2,820	381
13	343	350E	360E	370E	340E	397	844	377	288	2,510	3,190	347
14	344	350E	350E	370E	340E	390	641	367	278	2,030	3,230	356
15	351	350E	360E	370E	350E	386	530	335	277	2,020	2,510	395
16	356	360E	370E	380E	360E	380	496	318	275	2,010	1,360	413
17	357	380E	370E	380E	380E	369	474	304	266	2,030	1,020	407
18	351	390E	380E	380E	390E	376	463	299	251	2,010	917	453
19	355	390E	370E	380E	390E	383	440	297	242	1,900	892	500
20	361	390E	380E	380E	390E	384	426	288	236	1,900	876	454
21	364	400E	370E	380E	380E	383	425	278	233	1,990	780	417
22	370	400E	360E	362	380E	391	451	276	232	1,660	754	399
23	390	410E	370E	357	370E	397	537	279	224	1,610	742	390
24	386	421	380E	364	370E	391	573	263	305	1,940	933	376
25	382	420	380E	370	370E	386	533	259	547	1,720	817	389
26	386	421	370E	363	360E	379	475	259	656	1,090	640	381
27	381	409	370E	353	360E	380	448	255	884	1,010	557	377
28	402	402	370E	346	360E	374	434	265	1,200	980	443	376
29	658	397	370E	354	-----	373	413	266	1,540	1,130	364	374
30	769	397	360E	363	-----	375	428	293	1,860	1,320	332	386
31	604	-----	360E	366	-----	370	-----	318	-----	1,310	330	-----
TOTAL	12,017	12,441	11,599	11,278	10,142	11,694	14,390	10,829	13,730	62,450	43,937	11,890
MEAN	388	415	374	364	362	377	480	349	458	2,015	1,417	396
MAX	769	602	391	380	390	397	844	549	1,860	3,500	3,230	500
MIN	322	350	350	346	340	354	359	255	224	980	330	315
AC-FT	23,840	24,680	23,010	22,370	20,120	23,200	28,540	21,480	27,230	123,900	87,150	23,580
CAL YEAR 2000	TOTAL	246,353	MEAN	673	MAX	2,350	MIN	273	AC-FT	488,600		
WTR YEAR 2001	TOTAL	226,397	MEAN	620	MAX	3,500	MIN	224	AC-FT	449,100		

E indicates estimated discharge.

SOUTH PLATTE RIVER BASIN

LODGEPOLE CREEK above Oliver Reservoir, 06762500 - 2001

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--Oct. 1931 - 1992, monthly discharges only for some periods, 1993 - present, May - September partial year.
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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								3.8	2.4	1.5	1.8	1.4
2								4.2	2.4	1.5	1.6	1.4
3								4.6	2.5	1.5	1.4	1.6
4								4.6	2.7	1.4	1.2	1.6
5								5.2	2.8	1.5	1.2	1.7
6								5.2	2.7	1.4	1.2	1.7
7								5.0	2.9	1.5	1.1	1.6
8								4.6	3.2	2.1	.97	1.6
9								4.4	3.2	2.0	.81	1.7
10								4.4	3.1	1.9	.79	1.8
11								4.3	2.9	4.0	.89	1.8
12								4.4	2.9	4.1	1.0	1.7
13								4.4	3.0	1.9	1.1	1.8
14								4.4	3.0	1.9	1.0	2.6
15								4.3	3.0	2.0	.97	2.9
16								4.1	2.9	2.0	.90	3.1
17								3.9	2.8	2.0	.91	3.1
18								3.8	2.7	1.9	.90	3.2
19								3.8	2.7	1.9	.97	3.1
20								3.6	2.7	1.9	.98	2.9
21								3.5	2.7	1.9	.97	2.8
22								3.4	2.5	1.9	1.0	2.6
23								3.1	2.3	1.8	.96	2.5
24								2.8	2.2	1.9	1.0	2.4
25								2.6	2.1	2.0	1.1	2.4
26								2.4	1.9	2.1	1.2	2.1
27								2.4	1.8	2.2	1.2	1.9
28								2.4	1.7	2.2	1.1	1.7
29					-----			2.4	1.6	2.1	1.1	1.7
30					-----			2.5	1.6	2.0	1.2	1.7
31		-----			-----		-----	2.5	-----	1.9	1.3	-----
TOTAL								117.0	76.9	61.9	33.82	64.1
MEAN								3.77	2.56	2.00	1.09	2.14
MAX								5.2	3.2	4.1	1.8	3.2
MIN								2.4	1.6	1.4	.79	1.4
AC-FT								232	153	123	67	127
CAL YEAR 2000	MAX	4.3	MIN	.51	AC-FT	535						
WTR YEAR 2001	MAX	5.2	MIN	.79	AC-FT	702						

SOUTH PLATTE RIVER BASIN

OLIVER RESERVOIR on Lodgepole Creek, 00407000 - 2001

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

GAGE.--Staff gage

PERIOD OF RECORD.--1977 - present

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2								2,176				
3												
4												
5												
6												
7					2,022						1,880	
8												
9												
10							2,090					
11									2,200			
12												
13												
14												
15												
16	1,606											
17												
18								2,239		2,000		
19												
20												
21												
22												
23												
24												
25												
26									2,113			
27												
28												
29					-----						1,582	
30					-----							
31		-----			-----		-----		-----			-----

SOUTH PLATTE RIVER BASIN

LOGEPOLE CREEK below Oliver Reservoir, 00219000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								.18	.24	.22	.12	.06
2								.24	.20	.18	.12	.06
3								.30	.18	.18	.12	.17
4								.33	.30	.18	.06	.12
5								.37	.34	.18	.06	.06
6								.36	.30	.12	.08	.07
7								.30	.30	.18	.05E	.12
8								.33	.32	.30	.05E	.12
9								.30	.24	.18	.05E	.10
10								.27	.18	.18	.06	.09
11								.24	.18	.42	.06	.12
12								.28	.18	.19	.06	.09
13								.30	.24	.12	.12	.06
14								.30	.24	.12	.12	.12
15								.28	.24	.18	.12	.18
16								.28	.24	.12	.12	.24
17								.30	.24	.12	.08	.24
18								.30	.18	.12	.06	.24
19								.30	.24	.12	.06	.18
20								.30	.24	.12	.06	.12
21								.32	.24	.12	.06	.18
22								.24	.24	.12	.06	.12
23								.24	.24	.12	.06	.18
24								.28	.24	.12	.06	.24
25								.30	.18	.12	.06	.24
26								.30	.18	.18	.06	.24
27								.26	.18	.18	.06	.24
28								.30	.18	.12	.05E	.24
29					-----			.36	.18	.12	.05E	.24
30					-----			.30	.24	.06	.05E	.24
31		-----			-----		-----	.30	-----	.06	.06	-----
TOTAL								9.06	6.92	4.85	2.26	4.72
MEAN								.29	.23	.16	.073	.16
MAX								.37	.34	.42	.12	.24
MIN								.18	.18	.06	.05	.06
AC-FT								18	14	9.6	4.5	9.4
CAL YEAR 2000	MAX	.54	MIN	.03	AC-FT	67						
WTR YEAR 2001	MAX	.42	MIN	.05	AC-FT	55						

E indicates estimated discharge.

SOUTH PLATTE RIVER BASIN

WESTERN CANAL from South Platte River, 00147000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117								73	43	111	58
2	118								101	55	123	58
3	111								77	53	96	57
4	109								74	47	71	60
5	79								80	46	77	61
6	69								71	46	65	61
7	85								77	48	59	64
8	80								91	49	55	66
9	59								103	51	47	71
10	58								109	45	47	84
11	50								82	71	47	84
12	38								81	64	46	83
13	27								85	56	46	82
14	26								88	52	47	92
15	17								84	59	47	73
16	0								98	153	48	71
17	0								92	185	50	61
18	0								92	195	49	72
19	0							35	94	186	51	59
20	0							7.8	107	157	64	60
21	0							82	93	126	63	62
22	0							138	91	128	62	63
23								85	94	88	75	66
24								76	94	138	89	64
25								106	87	95	83	60
26								87	87	83	76	68
27								80	86	82	68	71
28								75	85	94	63	65
29					-----			91	72	95	63	55
30					-----			81	42	119	63	50
31		-----			-----		-----	70	-----	121	61	-----
TOTAL	1,043							1,013.8	2,590	2,830	2,012	2,001
MEAN	47.4							78.0	86.3	91.3	64.9	66.7
MAX	118							138	109	195	123	92
MIN	0							7.8	42	43	46	50
AC-FT	2,070							2,010	5,140	5,610	3,990	3,970
CAL YEAR 2000	MAX	130	MIN	0	AC-FT	20,860						
WTR YEAR 2001	MAX	195	MIN	0	AC-FT	22,790						

SOUTH PLATTE RIVER BASIN

SOUTH PLATTE RIVER at North Platte, 06765500 - 2001

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 1,330 cubic feet per second May 11, gage height 7.61 feet; minimum daily discharge 89 cubic feet per second October 4.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	287	243	300E	416	270E	315	299	292	141	196	133
2	91	247	229	320E	413	343	318	296	251	146	233	136
3	90	253	219	350E	398	356	328	282	241	154	204	128
4	89	254	214	350E	399	368	334	290	278	167	190	123
5	94	255	214	350E	420	352	340	369	290	178	182	115
6	94	237	215	360E	456	358	376	391	270	170	172	118
7	92	218	221	360E	513	344	480	367	288	156	156	160
8	90	199	203	350E	453	325	491	345	277	145	143	165
9	93	187	197	350E	322	339	485	344	264	139	136	154
10	98	221	182	360E	313	321	450	642	271	189	137	131
11	105	220E	180E	370E	302	314	451	1,280	317	228	134	118
12	118	220E	185E	380	249	264	546	1,190	420	248	141	115
13	131	225E	190E	413	250	281	536	1,060	493	232	153	116
14	137	225E	190E	405	262	267	509	804	487	222	143	127
15	142	215E	200E	382	283	245	469	624	466	239	153	124
16	148	220E	205E	374	392	232	427	460	434	250	145	130
17	153	190E	205E	387	375	241	394	428	389	242	140	131
18	148	170E	210E	421	381	236	372	432	366	226	136	155
19	144	155E	210E	422	392	237	466	399	330	246	139	174
20	141	170E	220E	375	412	232	494	389	300	252	132	178
21	145	213	215E	379	411	244	469	376	284	261	110	184
22	158	251	215E	379	346	274	460	352	259	242	107	144
23	164	285	210E	381	347	267	404	336	219	211	111	129
24	157	323	220E	372	363	261	376	329	214	220	152	133
25	170	313	225E	361	336	257	387	331	188	199	145	140
26	177	313	240E	379	299	240	367	289	189	188	136	137
27	179	301	250E	393	300E	267	321	286	173	222	141	127
28	209	294	270E	410	290E	291	306	269	169	217	128	122
29	305	264	300E	428	-----	282	327	272	153	200	122	124
30	291	246	310E	411	-----	274	346	297	154	214	115	118
31	275	-----	320E	385	-----	283	-----	305	-----	186	119	-----
TOTAL	4,521	7,171	6,907	11,657	10,093	8,865	12,344	14,133	8,726	6,330	4,551	4,089
MEAN	146	239	223	376	360	286	411	456	291	204	147	136
MAX	305	323	320	428	513	368	546	1,280	493	261	233	184
MIN	89	155	180	300	249	232	306	269	153	139	107	115
AC-FT	8,970	14,220	13,700	23,120	20,020	17,580	24,480	28,030	17,310	12,560	9,030	8,110
CAL YEAR 2000	TOTAL	107,458	MEAN	294	MAX	1,070	MIN	79	AC-FT	213,100		
WTR YEAR 2001	TOTAL	99,387	MEAN	272	MAX	1,280	MIN	89	AC-FT	197,100		

E indicates estimated discharge.

PLATTE RIVER BASIN

TRI-COUNTY CANAL from Platte River, 00142000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	965	1,380	1,050	1,010	1,240	1,590	961	1,270	1,310	2,290	2,270	1,300
2	950	1,300	1,040	1,040	1,270	1,550	929	1,220	1,240	2,280	2,270	1,320
3	939	1,190	945	1,180	1,240	1,530	995	1,190	1,300	2,290	2,260	1,300
4	956	1,120	1,080	1,200	1,300	1,550	1,100	1,220	1,320	2,270	2,280	1,300
5	919	1,040	974	1,170	1,330	1,540	1,110	1,440	1,370	2,270	2,270	1,260
6	904	1,080	861	1,270	1,350	1,520	1,110	1,620	1,320	2,290	2,260	1,190
7	899	1,040	885	1,230	1,440	1,500	1,630	1,490	1,380	2,290	2,270	1,290
8	908	1,020	878	1,270	1,480	1,400	1,460	1,370	1,340	2,270	2,270	1,250
9	916	1,000	946	1,270	866	1,320	1,390	1,280	1,280	2,270	2,290	1,270
10	908	1,000	977	1,260	1,170	1,230	1,260	1,410	1,240	2,270	2,260	1,180
11	942	974	745	1,320	1,280	1,230	1,300	2,200	1,230	2,280	2,250	1,140
12	945	713	803	1,250	1,420	1,200	1,880	2,260	1,380	2,270	2,280	1,070
13	957	814	906	1,270	1,520	1,270	2,050	2,260	1,440	2,260	2,280	888
14	963	943	836	1,280	1,090	1,250	1,680	2,090	1,460	2,270	2,260	939
15	957	1,090	873	1,290	1,200	1,230	1,430	1,860	1,430	2,290	2,270	1,020
16	960	1,140	879	1,220	1,410	1,190	1,330	1,660	1,390	2,270	2,270	1,130
17	963	984	819	1,200	1,410	1,040	1,240	1,540	1,300	2,270	2,090	1,130
18	983	1,020	883	1,300	1,370	965	1,190	1,370	1,240	2,270	2,040	1,260
19	975	1,090	906	1,280	1,720	1,010	1,330	1,320	1,290	2,260	1,980	1,400
20	982	1,020	1,000	1,230	1,630	976	1,400	1,160	1,380	2,250	1,950	1,360
21	996	1,000	899	1,240	1,530	947	1,430	1,090	1,370	2,280	1,840	1,320
22	1,000	1,180	812	1,290	1,490	980	1,500	1,010	1,370	2,260	1,780	1,270
23	1,050	1,240	850	1,300	1,510	979	1,650	1,180	1,490	2,260	1,830	1,230
24	1,050	1,160	884	1,160	1,550	971	1,620	1,160	1,620	2,260	2,210	1,210
25	1,040	1,090	839	1,170	1,500	953	1,520	1,200	2,160	2,270	2,270	1,220
26	935	965	862	1,270	1,480	939	1,400	1,200	2,280	2,100	2,240	1,200
27	831	1,200	937	1,210	1,390	943	1,320	1,180	2,260	2,060	2,150	1,190
28	942	1,130	915	1,220	1,450	953	1,250	1,190	2,290	2,130	1,830	1,200
29	1,470	1,020	966	1,330	-----	931	1,230	1,230	2,300	2,200	1,580	1,190
30	1,470	983	1,040	1,290	-----	943	1,330	1,280	2,280	2,270	1,560	948
31	1,320	-----	1,060	1,250	-----	948	-----	1,320	-----	2,250	1,410	-----
TOTAL	30,995	31,926	28,350	38,270	38,636	36,578	41,025	44,270	46,060	69,820	65,070	35,975
MEAN	1,000	1,064	915	1,235	1,380	1,180	1,368	1,428	1,535	2,252	2,099	1,199
MAX	1,470	1,380	1,080	1,330	1,720	1,590	2,050	2,260	2,300	2,290	2,290	1,400
MIN	831	713	745	1,010	866	931	929	1,010	1,230	2,060	1,410	888
AC-FT	61,480	63,330	56,230	75,910	76,630	72,550	81,370	87,810	91,360	138,500	129,100	71,360
CAL YEAR 2000	TOTAL	652,219	MEAN	1,782	MAX	2,260	MIN	0	AC-FT	1,294,000		
WTR YEAR 2001	TOTAL	506,975	MEAN	1,389	MAX	2,300	MIN	713	AC-FT	1,006,000		

PLATTE RIVER BASIN

JEFFREY RESERVOIR from Platte River, 00403700 - 2001

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1977 - present

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

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5,732	3,962	5,347	5,512	5,787	5,677	5,567	5,567	5,787	5,677	6,007	5,347
2	5,677	4,062	5,127	5,512	6,007	5,622	5,567	5,732	5,732	5,622	5,952	5,457
3	5,622	3,819	4,962	5,622	5,512	5,677	5,622	5,842	5,842	5,732	5,787	5,677
4	5,897	3,677	5,402	5,677	5,842	5,622	5,567	5,347	5,842	5,787	5,732	5,897
5	5,842	3,582	5,512	5,622	5,622	5,677	5,567	5,677	5,842	5,787	5,787	5,622
6	5,787	3,677	5,567	5,677	5,677	5,677	5,787	5,787	5,787	5,787	5,787	5,732
7	5,787	3,677	5,512	5,732	5,567	5,622	6,119	5,567	5,732	5,732	5,787	5,952
8	5,842	3,772	5,457	5,732	5,787	5,512	5,567	5,072	5,732	5,732	5,732	5,842
9	5,787	3,772	5,512	5,732	5,457	5,402	5,512	4,462	5,567	5,677	5,787	5,567
10	5,732	3,439	5,567	5,787	5,567	5,292	5,347	4,412	5,787	5,677	5,787	5,732
11	5,787	3,439	5,072	5,842	5,622	5,457	5,622	5,072	5,897	5,732	5,732	5,787
12	5,732	3,962	5,402	5,897	5,842	5,402	5,897	5,732	5,897	5,787	5,842	5,787
13	5,677	4,812	5,567	5,842	5,622	5,347	5,952	5,842	5,567	5,787	5,787	5,512
14	5,732	5,402	5,567	5,787	5,347	5,567	5,677	5,787	5,732	5,787	5,732	5,402
15	5,732	5,567	5,512	5,842	5,237	5,677	5,457	5,677	5,787	5,732	5,732	6,007
16	5,677	5,512	5,457	5,237	5,457	5,402	5,457	5,567	5,787	5,677	5,787	6,007
17	5,677	5,567	5,512	5,512	5,732	5,292	5,622	5,347	5,622	5,787	5,677	6,007
18	5,622	5,567	5,567	5,787	5,292	5,072	5,237	5,842	5,567	5,842	5,457	6,119
19	5,622	5,567	5,567	5,237	5,457	5,072	5,512	5,677	5,567	5,842	5,457	5,622
20	5,677	5,567	5,512	5,292	5,787	5,182	5,457	5,787	5,622	5,787	5,512	5,457
21	5,622	5,512	5,567	5,677	5,457	5,237	5,457	5,842	5,732	5,732	5,512	5,787
22	5,677	5,567	5,457	5,182	5,237	5,292	5,677	5,732	5,622	5,732	5,402	5,897
23	5,622	5,622	5,567	5,512	5,457	5,347	5,237	5,677	5,567	5,732	5,512	5,292
24	5,567	5,512	5,512	5,732	5,347	5,457	5,567	5,732	5,732	5,787	6,007	5,512
25	5,347	5,512	5,457	5,072	5,457	5,457	5,622	5,897	5,732	5,952	5,952	5,567
26	5,017	5,347	5,567	5,347	5,402	5,457	5,347	5,952	5,842	5,897	5,842	5,622
27	4,462	5,457	5,622	5,567	5,347	5,457	5,182	6,007	5,622	5,787	5,787	5,677
28	3,914	5,457	5,622	5,842	5,732	5,457	5,457	5,842	5,457	5,842	5,677	5,732
29	3,772	5,512	5,567	5,512	-----	5,512	5,622	5,952	5,402	5,897	5,732	5,787
30	3,819	5,457	5,567	5,952	-----	5,512	5,512	5,842	5,622	5,952	5,732	5,127
31	3,914	-----	5,567	5,512	-----	5,512	-----	5,842	-----	5,952	5,952	-----
MAX	5,897	5,622	5,622	5,952	6,007	5,677	6,119	6,007	5,897	5,952	6,007	6,119
MIN	3,772	3,439	4,962	5,072	5,237	5,072	5,182	4,412	5,402	5,622	5,402	5,127
CHANGE	-1,818	1,543	110	-55.0	220	-220	0	330	-220	330	0	-825
CAL YEAR 2000			MEAN	5,473	MAX	6,700	MIN	3,439				
WTR YEAR 2001			MEAN	5,530	MAX	6,119	MIN	3,439				

PLATTE RIVER BASIN

JEFFREY POWER RETURN to Platte River, 00143000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	141	0	192	201
2	0	0	0	0	0	0	0	0	158	0	150	197
3	0	0	0	0	0	0	0	0	151	0	225	219
4	0	0	0	0	0	0	0	0	152	0	306	228
5	0	0	0	0	0	0	0	0	153	0	282	217
6	0	0	0	0	0	0	0	0	153	0	177	140
7	0	0	0	0	0	0	0	0	147	0	56	51
8	0	0	0	0	0	0	0	0	150	0	0	53
9	0	0	0	0	0	0	0	0	158	0	0	48
10	0	0	0	0	0	0	0	0	163	0	0	46
11	0	0	0	0	0	0	0	0	167	0	0	45
12	0	0	0	0	0	0	0	0	169	0	0	47
13	0	0	0	0	0	0	0	0	158	0	0	54
14	0	0	0	0	0	0	0	0	163	0	0	57
15	0	0	0	0	0	0	0	0	167	0	0	47
16	0	0	0	0	0	0	0	0	167	0	29	49
17	0	0	0	0	0	0	0	0	226	0	355	48
18	0	0	0	0	0	0	0	53	308	0	437	42
19	0	0	0	0	0	0	0	77	346	13	491	41
20	0	0	0	0	0	0	0	79	345	28	554	48
21	0	0	0	0	0	0	0	81	346	18	609	40
22	0	0	0	0	0	0	0	116	326	70	636	40
23	0	0	0	0	0	0	0	163	320	212	598	46
24	0	0	0	0	0	0	0	167	339	83	446	45
25	0	0	0	0	0	0	0	165	384	0	374	18
26	0	0	0	0	0	0	0	163	497	187	490	0
27	0	0	0	0	0	0	0	162	363	202	494	0
28	0	0	0	0	0	0	0	162	234	321	471	0
29	0	0	0	0	-----	0	0	160	195	347	404	0
30	0	0	0	0	-----	0	0	162	69	242	395	0
31	0	-----	0	0	-----	0	-----	160	-----	243	257	-----
TOTAL	0	0	0	0	0	0	0	1,870	6,815	1,966	8,428	2,067
MEAN	0	0	0	0	0	0	0	60.3	227	63.4	272	68.9
MAX	0	0	0	0	0	0	0	167	497	347	636	228
MIN	0	0	0	0	0	0	0	0	69	0	0	0
AC-FT	0	0	0	0	0	0	0	3,710	13,520	3,900	16,720	4,100
CAL YEAR 2000	TOTAL	8,555	MEAN	23.4	MAX	490	MIN	0	AC-FT	16,970		
WTR YEAR 2001	TOTAL	21,146	MEAN	57.9	MAX	636	MIN	0	AC-FT	41,940		

PLATTE RIVER BASIN

ELWOOD RESERVOIR from Platte River, 00403300 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17,590	16,540	15,460	14,430	13,690	12,909	23,100	30,300	36,300	34,800	29,900	19,870
2	17,520	16,470	15,400	14,430	13,690	12,909	23,500	30,400	36,500	34,400	29,700	19,570
3	17,520	16,400	15,400	14,370	13,630	12,851	23,700	30,600	36,700	34,100	29,300	19,570
4	17,450	16,400	15,330	14,310	13,630	12,851	24,100	31,100	36,800	33,900	28,800	19,490
5	17,370	16,330	15,330	14,310	13,570	12,851	24,400	31,500	36,900	33,800	28,200	19,420
6	17,370	16,270	15,270	14,310	13,570	13,085	24,800	31,600	37,100	33,600	27,700	19,420
7	17,300	16,200	15,270	14,240	13,570	13,450	25,000	31,700	37,200	33,400	27,100	19,420
8	17,230	16,200	15,200	14,240	13,510	13,870	25,300	31,900	37,300	33,300	26,500	19,420
9	17,230	16,130	15,200	14,180	13,450	14,310	25,600	32,200	37,500	33,200	26,000	19,340
10	17,160	16,130	15,140	14,180	13,390	14,620	25,900	32,400	37,700	33,000	24,800	19,270
11	17,090	16,200	15,140	14,120	13,330	15,070	26,200	32,600	37,700	32,700	24,400	19,190
12	17,090	16,130	15,070	14,120	13,330	15,530	26,500	32,800	37,800	32,500	24,500	19,120
13	17,020	16,060	15,070	14,120	13,330	15,930	26,700	33,000	37,800	32,300	24,500	19,120
14	16,950	16,060	15,010	14,060	13,270	16,330	27,000	33,100	37,700	32,000	24,500	19,120
15	16,950	16,000	14,940	14,060	13,210	16,750	27,300	33,400	37,700	31,800	24,500	19,040
16	16,880	15,930	14,940	14,060	13,210	17,160	27,400	33,500	37,700	31,600	24,400	18,970
17	16,880	15,930	14,940	14,060	13,210	17,520	27,700	33,700	37,700	31,300	24,300	18,970
18	16,820	15,930	14,880	14,000	13,150	17,940	27,900	33,900	37,600	31,100	24,300	18,970
19	16,820	15,860	14,880	14,000	13,150	18,670	28,100	34,100	37,600	30,800	24,300	18,970
20	16,750	15,800	14,820	14,000	13,085	19,040	28,400	34,300	37,500	30,700	24,200	18,970
21	16,680	15,800	14,820	14,000	13,085	19,420	28,700	34,400	37,500	30,600	23,900	18,820
22	16,750	15,730	14,750	14,000	13,085	19,800	29,100	34,600	37,300	30,600	23,600	18,820
23	16,680	15,730	14,750	13,940	13,026	20,100	29,100	34,800	37,200	30,400	23,200	18,820
24	16,680	15,660	14,690	13,940	13,026	20,490	29,000	34,900	37,100	30,600	23,000	18,670
25	16,680	15,660	14,690	13,940	12,968	20,800	28,900	35,100	36,900	30,400	22,700	18,670
26	16,610	15,600	14,620	13,870	12,968	21,190	29,100	35,200	36,600	30,400	22,400	18,600
27	16,540	15,600	14,620	13,870	12,968	21,510	29,300	35,500	36,300	30,300	22,080	18,530
28	16,680	15,530	14,560	13,810	12,968	21,840	29,500	35,600	36,100	30,300	21,670	18,530
29	16,610	15,530	14,560	13,750	-----	22,200	29,800	35,800	35,800	30,200	21,350	18,450
30	16,610	15,530	14,500	13,750	-----	22,500	30,000	36,000	35,200	30,100	20,960	18,380
31	16,610	-----	14,500	13,750	-----	22,800	-----	36,100	-----	30,100	20,410	-----
MAX	17,590	16,540	15,460	14,430	13,690	22,800	30,000	36,100	37,800	34,800	29,900	19,870
MIN	16,540	15,530	14,500	13,750	12,968	12,851	23,100	30,300	35,200	30,100	20,410	18,380
CHANGE	-1,050	-1,080	-1,030	-750	-782	9,832	7,200	6,100	-900	-5,100	-9,690	-2,030
CAL YEAR 2000			MEAN	22,763	MAX	38,030	MIN	14,500				
WTR YEAR 2001			MEAN	22,194	MAX	37,800	MIN	12,851				

PLATTE RIVER BASIN

JOHNSON RESERVOIR from Platte River, 00403800 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44,185	45,185	42,935	40,760	42,935	43,685	39,585	40,995	43,185	40,290	45,685	44,435
2	43,935	44,685	41,935	40,995	41,700	43,935	39,350	40,055	42,935	40,525	44,685	44,685
3	43,435	44,185	40,760	41,230	41,230	43,935	39,585	39,820	43,435	41,230	44,185	44,185
4	43,435	43,935	40,055	41,230	40,760	43,935	39,585	41,230	42,935	41,935	43,435	43,435
5	42,935	42,935	38,410	41,230	40,760	43,935	39,820	41,935	42,185	42,435	42,435	42,935
6	42,435	42,435	40,055	41,230	40,995	43,435	40,525	42,685	42,935	43,185	41,700	43,685
7	42,185	41,935	40,290	41,465	41,465	42,685	40,760	44,185	41,935	43,935	40,995	43,685
8	41,465	40,525	40,290	41,465	41,935	42,435	41,465	44,935	42,435	43,435	40,525	44,935
9	40,995	39,585	40,760	41,465	42,185	42,935	43,435	45,435	42,685	43,935	40,290	44,935
10	40,760	40,055	40,290	41,465	41,465	42,685	44,935	43,685	42,435	43,685	39,585	45,185
11	40,995	40,525	40,055	41,465	41,230	42,185	45,435	43,185	41,935	44,185	40,055	44,435
12	40,995	40,525	39,820	41,465	41,465	41,700	44,685	41,935	41,700	43,935	40,290	43,935
13	40,055	40,055	39,820	41,700	40,760	41,465	44,435	40,760	42,685	44,435	40,995	43,935
14	38,645	39,350	40,290	41,935	41,230	40,760	43,935	41,465	43,435	44,185	43,185	44,185
15	38,410	38,880	40,760	42,185	41,230	40,995	44,435	42,185	43,435	44,685	45,185	44,185
16	38,645	39,115	40,760	42,185	40,995	40,995	44,435	42,185	42,935	45,185	45,685	44,685
17	38,410	39,820	40,995	42,685	40,995	40,995	43,935	41,700	42,935	44,685	46,185	45,185
18	37,940	40,055	40,525	42,435	40,760	40,760	42,435	40,525	43,435	45,185	45,935	44,935
19	37,940	40,290	40,525	41,700	41,230	40,290	42,935	40,760	43,185	44,185	44,185	44,685
20	37,705	40,290	40,760	41,935	40,995	40,055	42,435	40,760	42,435	45,185	44,685	45,185
21	37,470	40,290	40,995	41,935	41,465	39,820	42,435	40,995	41,935	44,685	44,435	44,185
22	37,705	40,055	40,995	41,935	42,435	39,585	42,935	41,935	41,465	45,185	43,185	43,185
23	37,940	39,820	40,995	42,435	42,685	39,820	43,685	41,935	40,525	45,435	42,435	41,230
24	38,645	40,995	40,760	42,185	42,685	39,820	43,935	42,185	39,820	45,685	42,685	41,935
25	39,585	42,435	40,525	42,185	42,435	39,585	43,935	42,185	39,115	45,185	43,935	40,290
26	40,290	43,685	40,525	42,685	43,185	39,585	43,185	42,435	38,645	45,935	45,685	37,940
27	40,995	44,685	40,290	42,435	42,935	40,055	42,685	43,185	38,410	45,185	45,435	36,795
28	42,185	45,435	40,290	42,185	44,185	40,055	41,700	43,935	38,645	45,435	45,435	34,595
29	43,435	44,685	40,290	42,935	-----	39,820	40,995	43,935	39,115	45,435	45,185	33,495
30	44,435	43,935	40,525	43,435	-----	40,055	40,525	43,435	39,820	45,685	44,685	31,810
31	44,685	-----	40,525	42,935	-----	39,820	-----	42,685	-----	45,935	44,685	-----
MAX	44,685	45,435	42,935	43,435	44,185	43,935	45,435	45,435	43,435	45,935	46,185	45,185
MIN	37,470	38,880	38,410	40,760	40,760	39,585	39,350	39,820	38,410	40,290	39,585	31,810
CHANGE	500	-750	-3,410	2,410	1,250	-4,365	705	2,160	-2,865	6,115	-1,250	-12,875
CAL YEAR 2000			MEAN	42,539	MAX	45,900	MIN	37,470				
WTR YEAR 2001			MEAN	42,046	MAX	46,185	MIN	31,810				

PLATTE RIVER BASIN

PHELPS COUNTY CANAL from Platte River via Tri-County Canal, 00122000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	147	247	807	767	390
2	0	0	0	0	0	0	0	127	207	793	949	354
3	0	0	0	0	0	0	0	93	225	791	1,060	332
4	0	0	0	0	0	0	0	74	195	793	1,050	338
5	0	0	0	0	0	0	0	92	206	788	1,020	345
6	0	0	0	0	0	0	0	142	218	808	1,040	296
7	0	0	0	0	0	0	0	97	266	793	1,060	30
8	0	0	0	0	0	0	0	113	165	760	1,040	0
9	0	0	0	0	0	0	0	129	184	779	1,000	0
10	0	0	0	0	0	0	0	174	227	820	875	0
11	0	0	0	0	0	0	0	193	196	794	731	0
12	0	0	0	0	0	0	0	203	199	838	650	0
13	0	0	0	0	0	0	0	197	201	904	627	0
14	0	0	0	0	0	0	0	195	231	865	615	0
15	0	0	0	0	0	0	0	216	314	826	192	0
16	0	0	0	0	0	0	0	249	237	872	173	0
17	0	0	0	0	0	0	0	268	239	928	204	0
18	0	0	0	0	0	0	0	264	246	869	206	0
19	0	0	0	0	0	0	0	242	298	1,090	196	0
20	0	0	0	0	0	0	0	263	363	616	203	0
21	0	0	0	0	0	0	0	196	398	493	259	0
22	0	0	0	0	0	0	0	274	481	450	413	0
23	0	0	0	0	0	0	58	259	564	519	493	0
24	0	0	0	0	0	0	103	176	590	495	216	0
25	0	0	0	0	0	0	109	259	627	519	168	0
26	0	0	0	0	0	0	109	272	787	408	151	0
27	0	0	0	0	0	0	134	218	854	244	181	0
28	0	0	0	0	0	0	152	222	848	335	235	0
29	0	0	0	0	-----	0	153	235	871	322	326	0
30	0	0	0	0	-----	0	153	233	854	359	389	0
31	0	-----	0	0	-----	0	-----	204	-----	584	397	-----
TOTAL	0	0	0	0	0	0	971	6,026	11,538	21,262	16,886	2,085
MEAN	0	0	0	0	0	0	32.4	194	385	686	545	69.5
MAX	0	0	0	0	0	0	153	274	871	1,090	1,060	390
MIN	0	0	0	0	0	0	0	74	165	244	151	0
AC-FT	0	0	0	0	0	0	1,930	11,950	22,890	42,170	33,490	4,140
CAL YEAR 2000	TOTAL	65,337	MEAN	179	MAX	999	MIN	0	AC-FT	129,600		
WTR YEAR 2001	TOTAL	58,768	MEAN	161	MAX	1,090	MIN	0	AC-FT	116,600		

PLATTE RIVER BASIN

JOHNSON POWER RETURN to Platte River, 00144000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	676	979	1,360	802	1,370	1,290	543	750	434	286	613	280
2	729	1,240	1,360	804	1,370	1,360	493	729	357	196	448	281
3	706	1,240	1,370	799	1,360	1,360	510	460	465	98	436	284
4	734	1,240	1,370	876	1,380	1,360	521	0	595	75	421	282
5	697	1,240	1,010	954	1,180	1,360	659	472	689	36	452	211
6	697	1,230	0	961	1,060	1,350	371	429	554	0	451	216
7	786	849	733	996	1,030	1,360	617	470	279	258	486	461
8	710	939	680	1,020	916	1,360	438	438	462	499	551	598
9	791	767	646	1,050	887	958	601	862	389	480	618	637
10	786	630	913	1,070	1,000	1,010	588	1,300	445	391	650	783
11	353	648	879	1,200	1,040	1,000	919	1,290	444	375	547	860
12	806	652	583	1,010	1,000	1,050	922	1,430	375	325	404	1,130
13	887	291	376	1,060	1,000	1,010	1,090	1,440	375	201	225	596
14	1,220	467	435	1,050	1,010	913	1,500	1,180	349	250	34	607
15	767	470	584	1,080	1,030	750	1,380	1,030	342	102	483	578
16	683	467	757	1,020	1,070	740	1,210	1,010	335	278	1,040	602
17	630	578	734	978	1,030	745	1,230	1,090	326	376	1,000	718
18	811	633	865	1,010	1,030	749	1,360	1,050	216	253	1,220	910
19	675	675	735	1,030	1,180	756	690	415	338	333	1,310	1,010
20	679	723	659	1,370	1,260	737	1,090	261	174	586	809	693
21	662	896	675	1,020	1,020	478	1,050	83	38	727	454	1,630
22	736	1,180	684	1,010	1,010	540	993	0	171	770	451	1,630
23	656	957	701	989	1,260	507	852	0	171	702	402	1,660
24	556	167	843	1,030	1,360	500	1,260	0	172	910	380	1,040
25	635	300	836	1,030	1,360	486	1,260	0	171	986	371	1,750
26	515	400	808	1,030	1,120	495	1,260	0	167	942	591	1,760
27	631	500	811	1,020	1,370	176	1,240	0	157	1,260	918	1,690
28	644	490	814	1,060	481	497	1,220	0	157	854	924	1,590
29	646	1,350	805	695	-----	499	1,050	331	139	625	647	1,700
30	676	1,360	808	962	-----	522	855	501	168	505	530	1,700
31	823	-----	805	1,020	-----	621	-----	594	-----	220	348	-----
TOTAL	22,003	23,558	24,639	31,006	31,184	26,539	27,772	17,615	9,454	13,899	18,214	27,887
MEAN	710	785	795	1,000	1,114	856	926	568	315	448	588	930
MAX	1,220	1,360	1,370	1,370	1,380	1,360	1,500	1,440	689	1,260	1,310	1,760
MIN	353	167	0	695	481	176	371	0	38	0	34	211
AC-FT	43,640	46,730	48,870	61,500	61,850	52,640	55,090	34,940	18,750	27,570	36,130	55,310
CAL YEAR 2000	TOTAL	368,408	MEAN	1,007	MAX	2,220	MIN	0	AC-FT	730,700		
WTR YEAR 2001	TOTAL	273,770	MEAN	750	MAX	1,760	MIN	0	AC-FT	543,000		

PLATTE RIVER BASIN

PLATTE RIVER near Maxwell, 00228500 - 2001

LOCATION.--SW1/4SW1/4 Sec. 28-13-28 W. at Maxwell, Lincoln County, Lat. 41° 03' 42", Long. 101° 31' 30", on right bank 20 feet upstream of the Nebraska Highway 330 bridge over the Platte River 1 mile south of Maxwell, Nebraska.

DRAINAGE AREA.--Not determined.

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

PERIOD OF RECORD.--2000 - present

REMARKS.--Records 100 cubic feet per second and above are good, fair below 100 cubic feet per second, and estimated records are poor. Operation of gage started in May, 1999. This station replaces the Platte River below the Tri-County Diversion Dam gage operated through water year 1999.

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,670 cubic feet per second August 15, gage height 6.63 feet, minimum daily discharge 23 cubic feet per second January 7.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	106	43	42E	53	70E	71	75	48	1,540	962	56
2	55	97	38	43E	52	67	66	72	43	1,620	1,030	57
3	58	84	35	43E	53	70	76	65	52	1,860	958	55
4	58	78	31	55	58	77	78	70	51	1,930	940	54
5	64	74	30	44	63	88	82	110	50	1,850	1,060	51
6	61	62	31	31	71	92	84	138	50	1,810	1,260	51
7	60	58	29	23	74	93	184	157	53	1,770	1,420	55
8	56	59	29	24E	70E	95	246	143	50	1,670	1,440	63
9	59	52	31	26	68E	92	190	113	47	1,700	1,650	58
10	61	43	25E	23	64E	92	142	86	45	1,820	1,870	54
11	62	40E	26E	24	66E	92	130	145	43	1,900	2,060	53
12	67	38E	27E	25	68E	82	194	630	55	2,450	2,020	52
13	69	37E	28E	27	70E	105	266	382	44	2,200	2,340	49
14	68	38E	29E	30E	72E	123	246	180	44	1,920	2,440	49
15	68	39E	30E	32E	74E	124	183	79	40	1,770	2,480	53
16	70	40E	30E	32E	74E	110	128	65	37	1,820	1,580	54
17	62	42E	31E	40E	76E	111	92	57	37	1,830	837	53
18	56	44E	31E	46	76E	106	76	52	34	1,830	653	71
19	59	46E	32E	43	78E	103	65	51	36	1,760	564	79
20	55	50E	32E	40E	80E	105	62	51	34	1,690	555	72
21	54	44	33E	36E	80E	101	66	48	34	1,660	583	62
22	61	39	33E	34E	80E	101	114	47	33	1,420	606	60
23	60	39	34E	33	60	102	132	47	32	1,180	586	58
24	53	39	35E	32	62	98	171	46	29	1,290	448	53
25	52	39	36E	35	61	96	171	45	27	1,390	346	51
26	51	39	37E	41	62	88	152	43	230	1,000	190	51
27	48	41	38E	41	84E	84	116	44	588	879	129	52
28	57	43	39E	43	76E	82	90	44	922	725	103	53
29	114	43	40E	45	-----	79	76	48	1,110	705	90	56
30	105	42	40E	58	-----	77	86	50	1,420	881	70	57
31	111	-----	41E	47	-----	72	-----	54	-----	924	59	-----
TOTAL	1,989	1,535	1,024	1,138	1,925	2,877	3,835	3,237	5,318	48,794	31,329	1,692
MEAN	64.2	51.2	33.0	36.7	68.8	92.8	128	104	177	1,574	1,011	56.4
MAX	114	106	43	58	84	124	266	630	1,420	2,450	2,480	79
MIN	48	37	25	23	52	67	62	43	27	705	59	49
AC-FT	3,950	3,040	2,030	2,260	3,820	5,710	7,610	6,420	10,550	96,780	62,140	3,360
CAL YEAR 2000	TOTAL	191,597	MEAN	523	MAX	2,320	MIN	25	AC-FT	380,000		
WTR YEAR 2001	TOTAL	104,693	MEAN	287	MAX	2,480	MIN	23	AC-FT	207,700		

E indicates estimated discharge.

PLATTE RIVER BASIN

PLATTE RIVER at Brady, 06766000 - 2001

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,370 cubic feet per second August 15, combined channel flow; minimum daily discharge 72 cubic feet per second on October 20 & 21, combined channel flow.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	152	116	124E	123E	168E	135	195	208	1,230	1,020	98
2	74	139	131	125E	121E	163	132	179	146	1,440	1,030	92
3	75	130	137	126E	127E	160	137	165	152	1,630	984	88
4	75	125	143	127E	133E	164	142	185	149	1,780	923	83
5	79	125	140	128E	137	164	153	300	148	1,790	980	80
6	77	113	137	130E	135	159	159	426	141	1,740	1,100	78
7	75	106	131	132E	130	156	287	380	142	1,710	1,220	85
8	73	108	130	130E	114	160	396	302	130	1,600	1,260	99
9	79	102	132	130E	100E	165	312	256	123	1,570	1,390	102
10	77	98	108E	132E	102E	164	261	222	117	1,640	1,530	93
11	78	107E	104E	132E	110E	153	265	203	112	1,720	1,640	87
12	80	101E	108E	128E	117E	149	347	367	116	2,180	1,700	82
13	80	106E	110E	129E	115E	162	400	397	117	2,080	2,100	82
14	79	109E	114E	126E	108E	174	361	262	117	1,730	2,170	89
15	80	112E	116E	126E	113E	176	292	178	108	1,590	2,230	111
16	79	115E	118E	125E	122E	162	244	156	102	1,610	1,570	110
17	77	116E	120E	123E	126E	159	215	143	97	1,590	894	111
18	74	118E	122E	121E	130E	153	203	133	94	1,580	742	119
19	74	121E	122E	120E	135E	151	195	128	95	1,510	635	128
20	72	123E	120E	122E	134E	152	180	128	94	1,470	585	121
21	72	124E	118E	124E	125E	154	180	120	96	1,500	552	111
22	78	126E	120E	125E	134E	160	255	115	92	1,440	549	106
23	83	128E	120E	125E	137E	159	411	114	89	1,240	551	99
24	83	127E	122E	128E	142E	153	379	113	86	1,250	481	97
25	84	130E	124E	127E	129E	148	314	114	84	1,350	370	97
26	81	131E	124E	129E	140E	144	274	114	121	1,100	237	97
27	81	133	128E	124E	112E	144	239	114	346	1,010	159	96
28	100	127	129E	125E	123E	143	210	119	662	816	135	94
29	145	131	125E	128E	-----	142	190	123	890	784	127	91
30	154	132	123E	129E	-----	139	207	128	1,060	907	124	90
31	154	-----	122E	122E	-----	138	-----	137	-----	977	108	-----
TOTAL	2,647	3,615	3,814	3,922	3,474	4,838	7,475	6,016	6,034	45,564	29,096	2,916
MEAN	85.4	121	123	127	124	156	249	194	201	1,470	939	97.2
MAX	154	152	143	132	142	176	411	426	1,060	2,180	2,230	128
MIN	72	98	104	120	100	138	132	113	84	784	108	78
AC-FT	5,250	7,170	7,570	7,780	6,890	9,600	14,830	11,930	11,970	90,380	57,710	5,780
CAL YEAR 2000 TOTAL		205,120	MEAN	560	MAX	2,020	MIN	62	AC-FT	406,900		
WTR YEAR 2001 TOTAL		119,411	MEAN	327	MAX	2,230	MIN	72	AC-FT	236,900		

E indicates estimated discharge.

PLATTE RIVER BASIN

THIRTY MILE CANAL from Platte River, 00141000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	78	236	251	0
2								0	77	249	250	0
3								0	78	254	250	0
4								0	77	253	249	0
5								0	77	252	252	0
6								0	76	263	255	0
7								0	76	274	254	0
8								0	76	277	255	0
9								0	75	278	258	0
10								0	75	276	255	0
11								0	75	274	247	0
12								0	75	274	249	0
13								0	75	266	243	0
14								0	75	261	236	0
15								0	76	265	220	0
16								0	75	272	206	0
17								45	76	273	210	0
18								67	85	276	210	0
19								77	104	275	216	0
20								77	103	275	222	0
21								77	104	276	237	0
22								76	103	273	247	0
23								76	103	246	247	0
24								76	103	215	216	0
25								76	104	193	189	0
26								76	119	191	184	0
27								76	139	175	180	0
28								77	165	162	171	0
29					-----			77	191	175	170	0
30					-----			79	211	206	61	0
31		-----			-----		-----	79	-----	241	0	-----
TOTAL								1,111	2,926	7,676	6,690	0
MEAN								35.8	97.5	248	216	0
MAX								79	211	278	258	0
MIN								0	75	162	0	0
AC-FT								2,200	5,800	15,230	13,270	0
CAL YEAR 2000	MAX	308	MIN	0	AC-FT	39,810						
WTR YEAR 2001	MAX	278	MIN	0	AC-FT	36,500						

PLATTE RIVER BASIN

GOTHENBURG CANAL from Platte River, 00057000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1							0	105	139	346	329	149	
2							0	104	139	340	329	147	
3							0	103	140	355	334	148	
4							0	106	137	347	330	145	
5							0	108	136	346	331	123	
6							1.5	105	135	351	335	108	
7							5.0	103	135	354	333	107	
8							3.6	102	134	350	332	108	
9							18	102	131	351	333	108	
10							22	103	129	354	334	106	
11							90	102	129	351	331	106	
12							58	102	129	348	328	100	
13							59	101	129	349	328	89	
14							58	104	129	359	325	88	
15							58	120	129	347	323	89	
16							55	131	129	352	320	89	
17							116	126	130	350	323	89	
18							102	112	129	350	328	90	
19							103	132	130	347	328	90	
20							104	134	128	356	329	88	
21							103	134	127	351	329	87	
22							0	107	137	123	350	87	
23							0	105	133	123	351	88	
24							0	104	133	122	337	88	
25							0	103	136	124	334	43	
26							0	106	137	152	313	6.1	
27							0	106	141	170	301	4.5	
28							0	106	142	201	297	2.5	
29					-----		0	106	142	272	298	0	
30					-----		0	107	141	300	327	0	
31		-----			-----		0	-----	141	-----	330	-----	
TOTAL							0	1,906.1	3,722	4,360	10,592	8,987	2,573.1
MEAN							0	63.5	120	145	342	290	85.8
MAX							0	116	142	300	359	335	149
MIN							0	0	101	122	297	155	0
AC-FT							0	3,780	7,380	8,650	21,010	17,830	5,100
CAL YEAR 2000	MAX	369	MIN	0	AC-FT	59,640							
WTR YEAR 2001	MAX	359	MIN	0	AC-FT	63,750							

PLATTE RIVER BASIN

BUFFALO CREEK (B-1) RESERVOIR SUPPLY CANAL from Platte River, 00019500 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	24.4	28.0E	5.9	1.9	25.1
2							0	19.9	29.0E	5.9	1.6	25.4
3							0	22.8	29.0E	5.6	1.6	27.2
4							0	25.2	29.0E	4.8	3.4	28.9
5							0	27.2	29.0E	4.6	3.6	29.7
6							0	28.2	29.0E	4.2	3.8	28.9
7							0	27.2	29.0E	2.6	4.7	22.5
8							0	27.0E	29.0E	1.3	2.6	19.9
9							0	27.0E	29.0E	1.5	1.2	23.1
10							0	27.0E	29.0E	2.0	1.0	30.4
11							0	27.0E	29.0E	1.5	1.5	27.9
12							0	27.0E	29.0E	1.3	2.6	29.7
13							0	27.0E	29.0E	1.5	2.7	30.8
14							0	27.0E	28.6	1.7	2.7	27.9
15							0	27.0E	29.3	1.5	2.7	23.5
16							0	27.0E	30.0	1.3	3.6	23.8
17							0	27.0E	30.4	1.3	4.1	24.8
18							0	27.0E	30.0	1.3	4.0	27.2
19							0	27.0E	29.3	1.4	4.0	27.2
20							0	27.0E	30.4	1.5	2.3	26.5
21							0	28.0E	29.7	2.0	1.1	26.1
22							0	28.0E	29.3	2.2	1.1	23.5
23							7.5	28.0E	29.3	3.0	1.9	22.1
24							20.3	28.0E	28.9	3.6	7.1	23.8
25							25.1	28.0E	28.6	3.6	18.0	26.1
26							27.9	28.0E	27.9	3.6	23.1	22.1
27							25.7	28.0E	27.5	3.4	23.1	5.4
28							22.8	28.0E	26.8	3.4	24.1	0
29					-----		16.8	28.0E	12.0	3.4	25.1	0
30					-----		21.5	28.0E	5.9	1.9	25.1	0
31		-----			-----		-----	28.0	-----	1.0	25.1	-----
TOTAL							167.6	833.9	829.9	83.8	230.4	679.5
MEAN							5.6	26.9	27.7	2.7	7.4	22.7
MAX							27.9	28.2	30.4	5.9	25.1	30.8
MIN							0	19.9	5.9	1.0	1.0	0
AC-FT							332	1,654	1,646	166	457	1,348
CAL YEAR 2000	MAX	0	MIN	0	AC-FT	0						
WTR YEAR 2001	MAX	30.8	MIN	0	AC-FT	5,603						

E indicates estimated discharge.

PLATTE RIVER BASIN

SIX MILE CANAL from Platte River, 00134000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	5.2	13	18	5.8
2							0	0	4.8	14	17	4.2
3							0	0	4.5	17E	16	0
4							0	0	4.4	20E	16	0
5							0	0	3.9	23	17	0
6							0	0	3.3	24	21	0
7							0	0	3.2	26	21	0
8							0	0	3.0	26	21	0
9							0	0	3.1	26	21	0
10							0	0	3.1	27	21	0
11							0	0	3.0	28	21	0
12							0	0	2.8	28	21	0
13							0	0	2.6	29	18	
14							0	0	2.4	27	9.8	
15							0	0	2.3	23	5.0	
16							0	0	2.3	19	4.8	
17							0	0	2.4	19	4.6	
18							0	0	2.8	19	4.6	
19							0	0	3.1	19	4.6	
20							0	0	3.3	22	8.3	
21							0	0	3.4	21	10	
22							0	0	3.4	20	11	
23							0	2.6	3.3	21	15	
24							0	5.8	3.1	24E	13 E	
25							0	6.6	3.4	26	11 E	
26						0	0	1.8	9.9	28	8.6E	
27						0	0	7.1	11	28	6.5	
28						0	0	5.2	11	28	6.4	
29					-----	0	0	4.1	12	28	6.2	
30					-----	0	0	4.9	12	29	6.0	
31		-----			-----	0	-----	5.1	-----	24	6.2	-----
TOTAL						0	0	43.2	138.0	726	390.6	10.0
MEAN						0	0	1.39	4.60	23.4	12.6	.83
MAX						0	0	7.1	12	29	21	5.8
MIN						0	0	0	2.3	13	4.6	0
AC-FT						0	0	86	274	1,440	775	20
CAL YEAR 2000	MAX	27	MIN	0	AC-FT	2,560						
WTR YEAR 2001	MAX	29	MIN	0	AC-FT	2,590						

E indicates estimated discharge.

PLATTE RIVER BASIN

COZAD CANAL from Platte River, 00033000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	43	223	244	0
2								0	43	246	242	0
3								0	43	258	265	0
4								0	43	282	276	0
5								0	43	284	281	0
6								0	43	278	282	
7								0	43	282	280	
8								0	43	292	278	
9								0	44	291	285	
10								0	43	289	284	
11								0	43	279	284	
12								0	43	280	274	
13								0	41	270	255	
14								0	42	269	248	
15								0	42	271	242	
16								0	42	279	229	
17								0	42	279	222	
18								0	43	288	214	
19								0	44	290	219	
20								0	44	293	251	
21								0	52	296	253	
22								0	55	293	262	
23								22	55	288	258	
24								52	55	280	176	
25								53	56	263	122	
26								47	91	242	116	
27								43	146	235	98	
28								43	164	231	99	
29					-----			43	196	232	96	
30					-----			43	216	233	96	
31		-----			-----		-----	42	-----	256	57	-----
TOTAL								388	1,943	8,372	6,788	0
MEAN								12.5	64.8	270	219	0
MAX								53	216	296	285	0
MIN								0	41	223	57	0
AC-FT								770	3,850	16,610	13,460	0
CAL YEAR 2000	MAX	294	MIN	0	AC-FT	38,310						
WTR YEAR 2001	MAX	296	MIN	0	AC-FT	34,690						

PLATTE RIVER BASIN

ORCHARD ALFALFA CANAL from Platte River, 00117000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								8.0	13	54	66	2.1
2								9.1	15	57	66	2.0
3								9.9	15	61	62	1.1
4								11	16	61	63	0
5								8.4	15	63	65	0
6								7.7	14	62	66	0
7								9.3	15	64	67	0
8								10	15	66	67	0
9								9.0	15	66	67	0
10								8.7	15	67	67	
11								9.8	15	66	68	
12								10	16	66	68	
13								12	15	68	67	
14								14	15	67	63	
15								14	15	67	57	
16								12	15	67	52	
17								12	15	69	55	
18								13	15	73	55	
19								14	16	68	59	
20								14	14	66	66	
21								13	15	64	70	
22								12	16	65	72	
23								8.2	16	65	69	
24							0	4.0	18	51	59	
25							.47	2.8	25	36	57	
26							2.8	2.4	27	36	52	
27							6.2	2.0	32	32	44	
28							6.3	1.8	39	33	21	
29					-----		6.1	1.9	45	41	3.0	
30					-----		6.6	7.1	51	49	2.7	
31		-----			-----		-----	11	-----	59	2.4	-----
TOTAL							28.47	282.1	583	1,829	1,718.1	5.2
MEAN							4.07	9.10	19.4	59.0	55.4	.58
MAX							6.6	14	51	73	72	2.1
MIN							0	1.8	13	32	2.4	0
AC-FT							56	560	1,160	3,630	3,410	10
CAL YEAR 2000	MAX	85	MIN	0	AC-FT	10,630						
WTR YEAR 2001	MAX	73	MIN	0	AC-FT	8,820						

PLATTE RIVER BASIN

DAWSON COUNTY CANAL from Platte River, 00037000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	146	433	425	245
2							0	59	148	475	427	243
3							0	101	148	494	423	233
4							0	106	148	499	430	224
5							0	108	148	491	428	210
6							0	96	148	492	433	163
7							0	104	148	494	437	55
8							0	105	148	501	447	0
9							0	103	148	510	451	0
10							0	94	146	508	455	0
11							0	94	146	506	453	
12							0	95	141	511	456	
13							0	97	135	506	452	
14							0	96	147	511	455	
15							0	97	138	508	449	
16							0	98	123	513	425	
17							0	98	116	513	418	
18							0	98	133	513	420	
19							0	98	163	514	425	
20							0	98	172	518	419	
21							0	98	197	514	417	
22							0	98	206	516	426	
23						0	0	128	212	510	423	
24						0	0	149	207	499	352	
25						0	0	148	197	482	300	
26						0	0	148	216	481	299	
27						0	0	148	264	453	300	
28						0	0	148	284	426	271	
29					-----	0	0	148	375	426	245	
30					-----	0	0	148	413	419	245	
31		-----			-----	0	-----	146	-----	427	246	-----
TOTAL						0	0	3,352	5,461	15,163	12,252	1,373
MEAN						0	0	108	182	489	395	137
MAX						0	0	149	413	518	456	245
MIN						0	0	0	116	419	245	0
AC-FT						0	0	6,650	10,830	30,080	24,300	2,720
CAL YEAR 2000	MAX	502	MIN	0	AC-FT	78,270						
WTR YEAR 2001	MAX	518	MIN	0	AC-FT	74,580						

PLATTE RIVER BASIN

PLATTE RIVER near Cozad, 06766500 - 2001

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,120 cubic feet per second August 15, combined channel flow; minimum daily discharge 12 cubic feet per second September 3, combined channel flow.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	148	429	247	198E	190E	249E	300	285	35	97	142	29
2	146	357	241	203E	160E	279E	297	178	32	169	87	14
3	145	318	242	200	232	292	291	134	48	270	34	12
4	143	296	245	214	238	317	293	199	50	364	34	16
5	153	283	244	232	244	334	294	337	43	446	28	22
6	151	260	241	239	251	324	240	404	33	390	44	53
7	153	246	244	240	246	335	381	479	31	336	46	115
8	153	241	242	229	229	350	481	395	26	262	40	116
9	150	232	244	222	134E	348	547	331	15	156	40	113
10	153	224	234	230	145E	350	488	273	15	184	173	103
11	154	189E	126E	241	200E	336	497	235	14	291	317	91
12	159	139E	198E	237	210E	318	539	206	14	435	392	82
13	158	189E	228E	229E	205E	317	571	384	15	714	616	78
14	158	210	248E	189E	195	330	589	329	15	463	854	85
15	160	234	228E	199E	186	355	535	235	16	299	970	104
16	163	243	228E	209E	200	352	468	158	16	196	880	118
17	160	227	223E	199E	220	349	387	119	16	176	342	127
18	159	235	208E	194E	227	344	334	85	16	129	175	151
19	155	249	218E	185E	247	345	308	60	43	94	70	160
20	151	252	223E	164E	257	346	292	65	78	70	26	155
21	147	243	223E	170E	229	344	287	74	57	64	23	149
22	161	251	218E	190E	232	344	538	64	39	82	36	138
23	175	255	208E	210E	220E	344	766	41	21	120	54	125
24	177	251	218E	220E	210E	335	648	32	16	292	263	118
25	174	258	218E	199E	180E	324	564	32	14	222	201	116
26	170	260	209E	195E	200E	311	502	32	14	260	145	202
27	167	266	225	190E	160E	302	450	27	23	312	106	189
28	193	268	208	205E	174E	300	404	26	19	241	89	181
29	310	260	204	210E	-----	305	362	27	49	186	74	175
30	300	260	210	210E	-----	312	348	41	106	148	32	176
31	311	-----	209	190E	-----	306	-----	35	-----	44	80	-----
TOTAL	5,357	7,625	6,902	6,442	5,821	10,097	13,001	5,322	929	7,512	6,413	3,313
MEAN	173	254	223	208	208	326	433	172	31.0	242	207	110
MAX	311	429	248	241	257	355	766	479	106	714	970	202
MIN	143	139	126	164	134	249	240	26	14	44	23	12
AC-FT	10,630	15,120	13,690	12,780	11,550	20,030	25,790	10,560	1,840	14,900	12,720	6,570
CAL YEAR 2000 TOTAL		141,729	MEAN	387	MAX	1,490	MIN	14	AC-FT	281,100		
WTR YEAR 2001 TOTAL		78,734	MEAN	216	MAX	970	MIN	12	AC-FT	156,200		

E indicates estimated discharge.

PLATTE RIVER BASIN

KEARNEY CANAL from Platte River, 00073000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	166							0	83	210	306	322
2	163							0	80	188	321	318
3	164							1.3	80	224	321	312
4	164							2.4	81	292	317	310
5	163							2.4	105	324	314	310
6	164							2.4	120	331	322	304
7	165							2.4	121	301	328	317
8	165							2.4	119	314	334	334
9	167							2.4	121	313	331	344
10	166							2.4	119	276	325	346
11	162							2.4	133	284	326	344
12	159							2.4	93	298	328	319
13	167							2.4	57	304	330	310
14	175							2.4	196	317	324	311
15	169							2.4	246	308	335	315
16	163							2.4	202	310	322	316
17	162							2.4	79	314	312	319
18	167							2.4	60	312	315	334
19	161							2.4	40	313	320	339
20	162							2.4	147	343	313	327
21	163							2.4	235	323	308	350
22	163							2.4	226	325	314	342
23	111							2.4	234	326	309	328
24	42							2.2	233	331	313	320
25	12							2.0	238	348	323	319
26								2.0	248	341	324	339
27								2.0	246	346	335	339
28								36	201	339	341	336
29					-----			75	205	309	333	334
30					-----			86	212	306	327	334
31		-----			-----		-----	85	-----	305	329	-----
TOTAL	3,785							339.5	4,560	9,475	10,000	9,792
MEAN	151							11.0	152	306	323	326
MAX	175							86	248	348	341	350
MIN	12							0	40	188	306	304
AC-FT	7,510							673	9,040	18,790	19,840	19,420
CAL YEAR 2000	MAX	197	MIN	0	AC-FT	60,280						
WTR YEAR 2001	MAX	350	MIN	0	AC-FT	75,280						

PLATTE RIVER BASIN

KEARNEY POWER RETURN to Platte River, 00075000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136								0	160	239	278
2	134								58E	201	250	273
3	137								69	115	240	265
4	137								43	239	256	259
5	135								54	250	251	262
6	136								90	267	247	262
7	137								94	252	249	287
8	138								90E	227	237	294
9	139								80E	263	236	298
10	141								60E	252	250	301
11	141								40E	256	253	309
12	135								30E	247	257	271
13	139								24E	253	251	281
14	142								110	260	257	292
15	146								197	260	298	314
16	142								197	225	276	289
17	139								112	232	264	283
18	139								62	231	266	300
19	143								31	226	272	311
20	140								43	282	270	307
21	141								189	270	253	293
22	144								204	283	278	314
23	138								191	290	285	286
24	71								203	280	260	307
25	10								223	290	283	282
26	0								219	291	290	311
27	0								218	281	299	314
28	0								183	302	303	319
29	0				-----				149	277	300	316
30	0				-----				184	249	285	319
31	0	-----			-----		-----		-----	243	277	-----
TOTAL	3,280								3,447	7,754	8,232	8,797
MEAN	106								115	250	266	293
MAX	146								223	302	303	319
MIN	0								0	115	236	259
AC-FT	6,510								6,840	15,380	16,330	17,450
CAL YEAR 2000	MAX	208	MIN	0	AC-FT	46,240						
WTR YEAR 2001	MAX	319	MIN	0	AC-FT	62,500						

E indicates estimated discharge.

PLATTE RIVER BASIN

PLATTE RIVER near Odessa, 06770000 - 2001

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 3,110 cubic feet per second May 7, gage height 4.57 feet; maximum gage height 7.20 feet February 25 due to backwater from ice, minimum daily discharge 64 cubic feet per second September 6.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	807	1,520	1,840	1,040E	1,650	1,400E	1,190	1,520	1,000	220	463	283
2	672	1,940	1,800	1,060E	1,540	1,800E	1,070	1,410	677	326	740	256
3	699	1,910	1,820	1,100E	1,630	2,270	1,030	1,210	681	313	585	217
4	641	1,790	1,820	1,140E	1,810	2,290	1,060	1,120	811	151	443	168
5	601	1,770	1,860	1,160E	1,700	2,130	1,060	1,550	964	217	361	133
6	529	1,750	1,090	1,200E	1,550	2,000	1,180	2,620	930	217	373	64
7	561	1,400	631	1,220E	1,510	1,920	1,060	2,350	830	203	383	129
8	542	1,360	1,220	1,280E	1,450	2,050	1,250	1,950	583	479	383	294
9	541	1,330	1,190	1,300E	1,000E	2,110	1,160	1,840	660	678	408	449
10	539	1,040	1,000E	1,400E	900E	2,360	1,470	2,590	596	618	446	492
11	565	944	580E	1,500E	1,350E	2,060	1,660	2,230	735	466	531	661
12	341	900E	500E	1,380E	1,250E	1,760	1,840	2,290	475	470	576	773
13	758	640E	500E	1,400E	1,300E	1,880	1,820	2,270	581	508	596	861
14	1,130	840E	600E	1,280E	800E	2,120	2,280	2,330	376	735	573	611
15	918	900E	900E	1,260E	900E	1,830	2,330	1,900	240	677	1,340	719
16	711	1,000E	520E	1,260E	1,000E	1,510	2,030	1,700	246	468	2,100	701
17	709	700E	800E	1,220E	900E	1,430	1,750	1,510	432	455	2,280	658
18	891	1,000E	1,000E	1,240E	1,200E	1,400	1,810	1,500	466	441	1,730	888
19	713	1,060E	1,000E	900E	1,400E	1,410	1,540	1,120	455	292	1,610	1,100
20	776	1,100E	1,020E	1,100E	1,600E	1,470	1,380	1,080	368	626	1,410	1,030
21	756	1,260	680E	1,250E	1,300E	1,510	1,620	753	156	1,000	582	1,230
22	810	1,520	1,000E	1,300E	1,300E	1,280	2,080	535	109	935	369	1,760
23	989	1,560	800E	1,350E	1,500E	1,290	2,730	375	175	981	350	1,780
24	1,010	1,480	900E	1,400E	1,680E	1,210	2,990	351	194	989	538	1,520
25	969	699	1,000E	1,300E	1,700E	1,160	2,800	322	180	1,520	649	1,040
26	962	851	1,020E	1,260E	1,500E	1,150	2,610	326	125	1,630	693	1,680
27	872	1,060	1,020E	1,100E	1,100E	1,020	2,410	321	92	1,750	941	1,700
28	947	1,170	1,100E	1,240E	1,000E	1,000	2,190	313	93	1,910	1,170	1,750
29	1,040	1,280	1,060E	1,100E	-----	1,090	2,000	347	123	1,320	884	1,710
30	1,240	1,840	1,080E	1,190	-----	1,060	1,500	837	111	1,050	616	1,770
31	1,260	-----	1,000E	1,370	-----	1,070	-----	1,050	-----	699	388	-----
TOTAL	24,499	37,614	32,351	38,300	37,520	50,040	52,900	41,620	13,464	22,344	24,511	26,427
MEAN	790	1,254	1,044	1,235	1,340	1,614	1,763	1,343	449	721	791	881
MAX	1,260	1,940	1,860	1,500	1,810	2,360	2,990	2,620	1,000	1,910	2,280	1,780
MIN	341	640	500	900	800	1,000	1,030	313	92	151	350	64
AC-FT	48,590	74,610	64,170	75,970	74,420	99,250	104,900	82,550	26,710	44,320	48,620	52,420
CAL YEAR 2000 TOTAL		599,286	MEAN	1,637	MAX	3,860	MIN	329	AC-FT	1,189,000		
WTR YEAR 2001 TOTAL		401,590	MEAN	1,100	MAX	2,990	MIN	64	AC-FT	796,600		

E indicates estimated discharge.

PLATTE RIVER BASIN

WOOD RIVER near Alda, 06772000 - 2001

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

DRAINAGE AREA.--628 Square miles.

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 235 cubic feet per second March 13, gage height 8.22 feet; maximum gage height 8.25 feet April 25 due to high water; minimum daily discharge was zero many days in October, November, December, January, February, March, and September.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	1.0E	0	0	0	6.6	8.7	8.4	7.3	5.0	2.6
2	0	0	1.8E	0	0	0	5.5	7.5	6.5	6.9	5.0	3.3
3	0	.50E	3.0E	0	0	0	5.3	7.5	7.9	6.7	5.0	4.1
4	0	.40E	3.8E	0	0	0	4.5	13	8.0	6.1	6.7	3.6
5	0	0 E	3.6E	0	0	0	4.3	26	8.9	8.9	9.1	4.2
6	0	1.0 E	3.4E	0	0	0	4.1	22	7.5	11	10	2.9
7	0	0 E	3.6E	0	0	0	4.5	31	6.9	12	11	3.0
8	0	0 E	3.0E	0	0	0	7.7	48	6.3	11	8.3	3.2
9	0	0	3.2E	0	0	0	6.0	36	6.0	9.7	8.9	2.7
10	0	0 E	1.8E	0	0	0	5.2	31	5.9	9.2	9.8	2.4
11	0	.20E	1.8E	0	0	0	11	23	6.0	12	10	2.0
12	0	0 E	0	0	0	50	7.4	20	5.8	13	11	.87
13	0	0	0	0	0	196	6.2	13	5.6	11	10	.14
14	0	0	0	0	0	108	6.7	11	4.9	9.1	9.6	.04
15	0	0	0	0	0	152	8.6	9.8	3.7	9.6	9.6	18 E
16	0	1.5 E	0	0	0	164	7.9	9.4	2.8	10	11	21 E
17	0	.20E	0	0	0	97	9.9	8.5	2.6	9.0	14	17 E
18	0	2.8 E	0	0	0	54	7.3	8.2	2.8	8.6	8.8	13 E
19	0	2.8 E	0	0	0	45	5.6	7.1	2.1	10	11	11
20	0	2.6 E	0	0	0	38	4.4	6.3	2.3	11	23	7.7
21	0	.60E	0	0	0	32	3.7	5.3	3.0	12	13	4.8
22	0	0 E	0	0	0	21	4.7	4.6	2.9	14	8.0	3.9
23	0	0 E	0	0	0	19	9.0	4.0	2.8	12	6.6	2.8
24	0	.20E	0	0	0	16	13	3.7	3.0	8.9	5.7	2.0
25	0	0	0	0	0	14	135	3.9	3.3	8.7	6.8	1.0
26	0	0	0	0	0	12	95	3.7	3.5	8.2	7.8	.21
27	0	.20E	0	0	0	10	31	4.2	5.1	8.6	7.7	.05
28	0	2.5 E	0	0	0	9.6	18	5.4	4.5	5.5	5.8	0
29	0	2.5 E	0	0	-----	8.3	13	5.6	4.4	4.8	6.1	0
30	0	1.3 E	0	0	-----	7.6	10	7.5	6.2	4.1	4.5	0
31	0	-----	0	0	-----	6.9	-----	8.5	-----	3.7	3.6	-----
TOTAL	0	19.30	30.0	0	0	1,060.4	461.1	403.4	149.6	282.6	272.4	137.51
MEAN	0	.64	.97	0	0	34.2	15.4	13.0	4.99	9.12	8.79	4.58
MAX	0	2.8	3.8	0	0	196	135	48	8.9	14	23	21
MIN	0	0	0	0	0	0	3.7	3.7	2.1	3.7	3.6	0
AC-FT	0	38	60	0	0	2,100	915	800	297	561	540	273
CAL YEAR 2000	TOTAL	2,814.31	MEAN	7.69	MAX	34	MIN	0	AC-FT	5,580		
WTR YEAR 2001	TOTAL	2,816.31	MEAN	7.72	MAX	196	MIN	0	AC-FT	5,590		

E indicates estimated discharge.

PLATTE RIVER BASIN (LOUP RIVER)

SARGENT CANAL from Middle Loup River, 00130000 - 2001

LOCATION.--NWL/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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	188	225	106
2									0	210	202	94
3									0	193	162	93
4									0	182	131	137
5									0	182	124	183
6									0	183	162	192
7									0	184	204	131
8									0	156	221	81
9									0	125	231	69
10									0	103	222	65
11									0	70	193	66
12									0	60	187	65
13									0	60	200	65
14									0	60	191	23
15									0	60	69	0
16									0	95	51	0
17									33	99	59	0
18									64	151	70	0
19									64	205	74	0
20									64	231	83	0
21									64	239	117	0
22									64	238	148	0
23									65	254	189	0
24									64	266	185	0
25									66	263	139	0
26									73	243	132	0
27									93	225	140	0
28									130	183	153	0
29					-----				159	170	152	0
30					-----				180	182	167	0
31		-----			-----		-----		-----	212	142	-----
TOTAL									1,183	5,272	4,725	1,370
MEAN									39.4	170	152	45.7
MAX									180	266	231	192
MIN									0	60	51	0
AC-FT									2,350	10,460	9,370	2,720
CAL YEAR 2000	MAX	258	MIN	0	AC-FT	27,080						
WTR YEAR 2001	MAX	266	MIN	0	AC-FT	24,890						

PLATTE RIVER BASIN (LOUP RIVER)

MIDDLE LOUP CANAL NO. 1 from Middle Loup River, 00090000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	13	29	26	34
2								0	13	28	23	34
3								0	12	31	25	33
4								0	12	37	27	34
5								0	12	40	29	34
6								0	12	40	34	34
7								0	12	41	35	31
8								0	12	38	36	20
9								0	12	34	36	18
10								0	12	26	35	18
11								0	12	24	34	17
12								0	13	23	35	17
13								0	13	23	35	17
14								0	15	23	33	17
15								0	15	23	18	16
16								0	15	25	20	15
17								0	12	36	21	14
18								9.5	9.5	40	23	7.0
19								13	12	39	24	0
20								13	13	39	25	0
21								13	14	39	25	0
22								13	14	37	27	0
23								13	15	36	30	0
24								13	15	36	32	0
25								13	18	37	32	0
26								13	23	37	30	0
27								12	25	39	30	0
28								13	26	38	32	0
29					-----			13	27	36	33	0
30					-----			13	29	34	35	0
31		-----			-----		-----	13	-----	36	34	-----
TOTAL								177.5	457.5	1,044	914	410.0
MEAN								5.73	15.3	33.7	29.5	13.7
MAX								13	29	41	36	34
MIN								0	9.5	23	18	0
AC-FT								352	907	2,070	1,810	813
CAL YEAR 2000	MAX	41	MIN	0	AC-FT	6,740						
WTR YEAR 2001	MAX	41	MIN	0	AC-FT	5,960						

PLATTE RIVER BASIN (LOUP RIVER)

MIDDLE LOUP CANAL NO. 1 PUMP from Middle Loup River, 00090200 - 2001

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 2000 TO SEP 2001

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										1.9	5.4	
8										2.2	9.0	
9										0	9.0	
10										0	9.0	
11										0	9.0	
12										0	9.0	
13										0	5.2	
14										0	0	
15										0	0	
16										0	0	
17										0	0	
18										0	0	
19										1.5	0	
20										9.0	0	
21										9.0	0	
22										9.0	0	
23										9.0	0	
24										9.0	0	
25										9.0	0	
26										9.0	0	
27										9.0	0	
28										9.0	0	
29					-----					9.0	0	
30					-----					.40	0	
31		-----			-----		-----		-----	0	0	-----
TOTAL										96.00	55.6	
MEAN										3.10	1.79	
MAX										9.0	9.0	
MIN										0	0	
AC-FT										190	110	
CAL YEAR 2000	MAX	9.0	MIN	0	AC-FT	577						
WTR YEAR 2001	MAX	9.0	MIN	0	AC-FT	301						

PLATTE RIVER BASIN (LOUP RIVER)

MIDDLE LOUP CANAL NO. 2 from Middle Loup River, 00091000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	14	30	34	36
2								0	14	30	34	36
3								0	14	32	34	35
4								0	13	33	33	35
5								0	13	34	31	33
6								0	13	39	33	27
7								0	14	46	38	33
8								0	16	51	42	26
9								0	17	35	46	26
10								0	17	31	46	24
11								0	18	29	45	24
12								0	19	29	46	24
13								0	18	29	44	24
14								0	19	28	43	23
15								0	19	29	27	23
16								0	20	30	28	21
17								0	20	37	26	18
18								0	20	46	24	10
19								0	21	52	25	0
20								0	21	52	26	0
21								20	21	58	26	0
22								22	22	58	27	0
23								20	24	59	28	0
24								19	24	59	29	0
25								19	25	56	29	0
26								19	26	52	29	0
27								19	26	53	30	0
28								18	26	51	31	0
29					-----			18	27	49	33	0
30					-----			17	29	46	37	0
31		-----			-----		-----	16	-----	44	35	-----
TOTAL								207	590	1,307	1,039	478
MEAN								6.68	19.7	42.2	33.5	15.9
MAX								22	29	59	46	36
MIN								0	13	28	24	0
AC-FT								411	1,170	2,590	2,060	948
CAL YEAR 2000	MAX	59	MIN	0	AC-FT	7,980						
WTR YEAR 2001	MAX	59	MIN	0	AC-FT	7,180						

PLATTE RIVER BASIN (LOUP RIVER)

MIDDLE LOUP CANAL NO. 3 from Middle Loup River, 00092000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	29	142	111	138
2								0	27	128	91	150
3								0	26	127	90	141
4								0	25	125	103	117
5								0	23	128	115	118
6								0	24	132	118	123
7								0	25	123	128	112
8								0	26	127	128	85
9								0	27	124	133	73
10								0	28	128	135	73
11								0	28	87	136	72
12								0	29	61	132	71
13								0	29	77	123	63
14								0	29	83	121	50
15								0	29	91	90	41
16								46	29	106	76	41
17								63	29	126	79	41
18								47	29	r 83	83	16
19								48	30	159	88	0
20								49	31	162	92	0
21								51	33	162	102	0
22								52	35	157	130	0
23								50	37	158	150	0
24								49	58	124	144	0
25								49	77	87	138	0
26								49	100	86	133	0
27								48	136	85	145	0
28								48	125	89	151	0
29					-----			41	135	99	146	0
30					-----			33	147	103	139	0
31		-----			-----		-----	31	-----	125	135	-----
TOTAL								754	1,435	3,511	3,685	1,525
MEAN								24.3	47.8	117	119	50.8
MAX								63	147	162	151	150
MIN								0	23	61	76	0
AC-FT								1,500	2,850	6,960	7,310	3,020
CAL YEAR 2000	MAX	137	MIN	0	AC-FT	24,050						
WTR YEAR 2001	MAX	162	MIN	0	AC-FT	21,640						

PLATTE RIVER BASIN (LOUP RIVER)

MIDDLE LOUP CANAL NO. 4 from Middle Loup River, 00093000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	39	122	95	87
2								0	38	118	88	83
3								0	38	122	89	82
4								0	37	126	94	86
5								0	35	126	98	92
6								0	35	122	114	83
7								0	36	121	126	65
8								0	37	122	125	56
9								0	38	118	129	49
10								0	40	117	124	51
11								27	43	88	118	55
12								42	46	69	123	54
13								48	47	69	118	48
14								82	46	69	107	38
15								68	43	71	67	40
16								52	44	81	69	40
17								53	45	111	70	40
18								52	48	120	73	16
19								49	50	119	76	0
20								47	52	122	78	0
21								46	56	122	91	0
22								45	54	122	106	0
23								45	51	124	105	0
24								45	54	88	100	0
25								45	73	72	90	0
26								45	87	72	85	0
27								45	95	71	88	0
28								45	90	74	87	0
29					-----			45	118	74	89	0
30					-----			44	120	97	91	0
31		-----			-----		-----	42	-----	113	89	-----
TOTAL								1,012	1,635	3,162	3,002	1,065
MEAN								32.6	54.5	102	96.8	35.5
MAX								82	120	126	129	92
MIN								0	35	69	67	0
AC-FT								2,010	3,240	6,270	5,950	2,110
CAL YEAR 2000	MAX	127	MIN	0	AC-FT	21,280						
WTR YEAR 2001	MAX	129	MIN	0	AC-FT	19,590						

PLATTE RIVER BASIN (LOUP RIVER)

FARWELL (SHERMAN FEEDER) CANAL from Middle Loup River, 00047000 - 2001

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	375						0	264	277	255	384	363
2	369						0	256	268	275	378	367
3	364						0	250	273	316	398	366
4	363						0	240	223	240	373	365
5	364						0	245	184	273	364	350
6	364						0	258	177	276	317	299
7	363						0	247	177	293	266	327
8	362						0	250	176	292	188	344
9	296						0	241	172	351	163	346
10	55						0	248	175	406	170	349
11	0						0	247	249	418	183	373
12	0						0	244	319	394	212	366
13	0						0	253	361	406	293	368
14	0						0	257	391	401	317	363
15	0						0	254	377	393	393	366
16	0						65	256	378	417	404	362
17	0						168	243	381	392	403	380
18	0						236	249	363	372	402	401
19	0						250	252	426	312	408	397
20	0						251	252	417	224	406	397
21	0						251	299	414	187	394	394
22	0						248	313	416	170	386	401
23	0						249	325	408	170	331	376
24	0						250	348	396	251	337	389
25	0						244	356	395	316	370	390
26	0						240	357	372	283	373	390
27	0						242	359	363	280	329	380
28	0						237	357	196	327	282	394
29	0				-----		245	360	302	315	265	398
30	0				-----		255	361	258	326	332	402
31	0	-----			-----		-----	310	-----	325	355	-----
TOTAL	3,275						3,431	8,751	9,284	9,656	10,176	11,163
MEAN	106						114	282	309	311	328	372
MAX	375						255	361	426	418	408	402
MIN	0						0	240	172	170	163	299
AC-FT	6,500						6,810	17,360	18,410	19,150	20,180	22,140
CAL YEAR 2000	MAX	510	MIN	0	AC-FT	119,000						
WTR YEAR 2001	MAX	426	MIN	0	AC-FT	110,600						

PLATTE RIVER BASIN (LOUP RIVER)

MIDDLE LOUP CANAL NO. 4 from Sherman Feeder Canal, 00093200 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	6.7	0	
2									0	4.8	0	
3									0	0	0	
4									0	0	0	
5									0	0	0	
6									0	0	0	
7									0	0	2.6	
8									0	0	1.9	
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	0	0	
19									0	0	0	
20									0	0	0	
21									0	0	0	
22									0	0	0	
23									0	0	0	
24									0	0	0	
25									0	0	0	
26									0	0	0	
27									0	0	6.0	
28									1.0	0	4.1	
29					-----				5.1	0	6.1	
30					-----				4.1	0	4.0	
31		-----			-----		-----		-----	0	0	-----
TOTAL									10.2	11.5	24.7	
MEAN									.34	.37	.80	
MAX									5.1	6.7	6.1	
MIN									0	0	0	
AC-FT									20	23	49	
CAL YEAR 2000	MAX	7.6	MIN	0	AC-FT	97						
WTR YEAR 2001	MAX	6.7	MIN	0	AC-FT	92						

PLATTE RIVER BASIN (LOUP RIVER)

SHERMAN RESERVOIR storage in acre-feet - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51,530	55,670	54,430	53,210	52,480	51,530	51,290	56,420	69,080	64,860	47,270	33,110
2	51,770	55,670	54,190	53,210	52,480	51,530	51,290	56,930	69,650	64,040	47,810	33,110
3	52,240	55,420	54,190	52,970	52,400	51,530	51,290	57,180	69,940	63,490	47,610	33,110
4	52,970	55,420	54,190	52,970	52,400	51,530	51,290	57,690	70,230	62,940	46,700	33,280
5	53,550	55,420	54,190	52,970	52,400	51,530	51,290	58,460	69,940	62,140	45,710	33,460
6	53,940	55,420	54,190	52,970	52,240	51,530	51,290	58,720	69,940	61,610	45,370	33,460
7	54,180	55,420	53,940	52,970	52,240	51,530	51,290	59,240	69,650	60,810	44,500	33,630
8	54,920	55,170	53,940	52,970	52,240	51,530	51,290	59,600	69,650	60,280	43,420	34,180
9	55,420	55,170	53,940	52,970	52,240	51,530	51,290	59,750	69,370	59,500	42,590	35,090
10	56,170	55,170	53,940	52,970	52,240	51,290	51,060	60,280	69,370	58,980	41,330	35,450
11	56,170	55,170	53,940	52,720	52,000	51,290	51,290	60,540	69,080	58,460	40,120	36,120
12	56,170	55,170	53,940	52,720	52,000	51,530	51,290	60,810	69,080	57,940	38,910	36,970
13	56,170	55,170	53,940	52,720	52,000	51,530	51,290	61,340	69,080	57,940	38,130	37,540
14	55,290	55,170	53,940	52,720	52,000	51,530	51,290	61,610	69,080	57,940	37,160	38,240
15	51,060	54,920	53,940	52,720	52,000	51,530	51,060	61,870	69,080	57,940	36,590	39,110
16	55,920	54,920	53,940	52,720	52,000	51,530	51,060	62,140	69,080	57,690	36,970	39,910
17	55,920	54,920	53,700	52,720	52,000	51,530	51,060	62,670	69,370	57,690	37,540	40,520
18	55,920	54,920	53,700	52,720	52,000	51,530	51,060	62,670	69,370	57,180	38,130	41,130
19	55,920	54,920	53,700	52,720	51,770	51,530	51,530	63,220	69,370	56,420	38,520	41,960
20	55,920	54,920	53,700	52,720	51,770	51,530	52,000	63,490	69,370	55,670	38,910	42,590
21	55,670	54,670	53,700	52,480	51,770	51,290	52,480	63,760	69,370	54,670	39,110	43,420
22	55,670	54,670	53,550	52,480	51,770	51,530	53,210	64,040	69,370	53,550	39,110	44,070
23	55,670	54,670	53,550	52,480	51,770	51,530	53,700	64,580	69,370	52,490	38,910	44,940
24	55,670	54,670	53,550	52,480	51,770	51,530	53,940	64,860	69,370	51,530	38,130	45,370
25	55,670	54,670	53,550	52,480	51,770	51,530	54,180	65,400	69,370	50,820	37,540	46,030
26	55,670	54,430	53,550	52,480	51,530	51,530	54,670	65,970	68,790	50,350	36,970	46,700
27	55,670	54,430	53,550	52,480	51,530	51,290	55,170	66,530	67,210	49,650	36,590	47,310
28	55,670	54,430	53,550	52,480	51,530	51,290	55,420	67,090	67,650	49,190	35,840	47,810
29	55,670	54,430	53,210	52,240	-----	51,290	55,670	67,370	66,810	49,190	34,910	48,500
30	55,670	54,430	53,210	52,240	-----	51,290	56,170	67,930	65,970	48,960	33,990	49,190
31	55,670	-----	53,210	52,240	-----	51,290	-----	68,790	-----	48,730	33,460	-----
MAX	56,170	55,670	54,430	53,210	52,480	51,530	56,170	68,790	70,230	64,860	47,810	49,190
MIN	51,060	54,430	53,210	52,240	51,530	51,290	51,060	56,420	65,970	48,730	33,460	33,110
CHANGE	6,480	-1,240	-1,220	-970	-710	-240	4,880	12,620	-2,820	-17,240	-15,270	15,730
CAL YEAR 2000			MEAN	13,718	MAX	70,500	MIN	34,900				
WTR YEAR 2001			MEAN	53,331	MAX	70,230	MIN	33,110				

PLATTE RIVER BASIN (LOUP RIVER)

FARWELL "MAIN" CANAL from Sherman Reservoir, 00048000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	417	351	196
2									0	387	384	174
3									0	368	410	147
4									68	354	426	153
5									100	349	431	154
6									100	363	441	153
7									100	368	453	38
8									100	368	453	0
9									130	333	438	0
10									145	426	433	0
11									145	421	407	0
12									147	233	398	0
13									147	172	407	0
14									162	174	407	0
15									170	174	147	0
16									170	210	60	0
17									170	285	71	0
18									170	397	90	0
19									176	454	96	0
20									182	474	124	0
21									191	447	197	0
22									214	442	318	0
23									263	447	416	0
24									287	418	448	0
25									336	394	403	0
26									386	361	388	0
27									412	330	388	0
28									417	263	388	0
29					-----				426	245	377	0
30					-----				417	269	354	0
31		-----			-----		-----		-----	302	271	-----
TOTAL									5,731	10,645	10,375	1,015
MEAN									191	343	335	33.8
MAX									426	474	453	196
MIN									0	172	60	0
AC-FT									11,370	21,110	20,580	2,010
CAL YEAR 2000	MAX	554	MIN	0	AC-FT	57,780						
WTR YEAR 2001	MAX	474	MIN	0	AC-FT	55,070						

PLATTE RIVER BASIN (LOUP RIVER)

FARWELL "SOUTH" CANAL from Sherman Reservoir, 00049000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	228	193	160
2									0	228	211	150
3									0	222	220	121
4									40	206	223	109
5									60	201	223	100
6									60	204	223	87
7									60	220	229	21
8									60	225	232	0
9									59	232	223	0
10									59	245	220	0
11									59	248	214	0
12									64	208	214	0
13									66	184	230	0
14									72	188	235	0
15									79	191	95	0
16									82	200	52	0
17									82	225	54	0
18									83	245	51	0
19									87	254	50	0
20									89	256	60	0
21									89	246	100	0
22									89	243	145	0
23									108	229	197	0
24									115	204	216	0
25									138	191	200	0
26									174	169	191	0
27									202	147	211	0
28									214	111	233	0
29					-----				226	100	235	0
30					-----				228	121	221	0
31		-----			-----		-----		-----	163	201	-----
TOTAL									2,744	6,334	5,602	748
MEAN									91.5	204	181	24.9
MAX									228	256	235	160
MIN									0	100	50	0
AC-FT									5,440	12,560	11,110	1,480
CAL YEAR 2000	MAX	287	MIN	0	AC-FT	30,110						
WTR YEAR 2001	MAX	256	MIN	0	AC-FT	30,600						

PLATTE RIVER BASIN (LOUP RIVER)

MUD CREEK near Sweetwater, 06783500 - 2001

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 629 cubic feet per second April 23, gage height 12.40 feet; minimum daily discharge 6.3 cubic feet per second August 10.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	33	17E	18E	18E	40E	35	42	29	17	15	10
2	8.4	28	16E	18E	18E	45E	33	40	27	17	14	12
3	8.4	19	16E	19E	17E	45E	33	39	28	16	11	11
4	8.4	43	16E	20E	18E	50E	33	41	28	15	15	9.8
5	9.1	22	15E	20E	19E	47E	32	98	29	14	15	9.2
6	8.8	16	15E	22E	18E	52E	31	143	32	15	11	8.1
7	9.3	15	16E	21E	17E	60E	36	191	30	15	8.8	9.1
8	9.2	13	17E	22E	17E	70E	34	173	28	14	8.4	8.9
9	9.9	12E	17E	23E	16E	90E	44	106	26	13	8.0	11
10	11	12E	16E	23E	16E	150E	53	74	26	13	6.3	12
11	12	12E	15E	24E	17E	190E	71	61	25	12	6.6	13
12	12	11E	14E	25E	16E	230E	61	53	25	11	7.5	13
13	13	10E	15E	24E	17E	250E	49	49	24	12	8.5	13
14	13	10E	16E	22E	16E	270E	55	45	25	15	7.8	12
15	14	11E	16E	22E	16E	290E	46	41	25	15	15	13
16	14	12E	16E	21E	17E	280E	38	39	25	13	8.0	13
17	15	13E	17E	20E	18E	130E	37	32	25	11	7.9	16
18	16	15E	17E	20E	19E	100E	36	31	25	9.2	9.8	22
19	17	16E	16E	19E	22E	80E	36	29	23	7.7	11	20
20	18	15E	15E	20E	21E	70E	34	30	24	7.7	10	16
21	22	17E	14E	16E	24E	64E	34	30	24	10	9.4	13
22	25	16E	14E	18E	28E	60E	52	28	24	12	9.2	12
23	22	15E	15E	19E	27E	54E	343	28	24	8.6	8.3	13
24	23	15E	16E	19E	30E	48E	262	28	23	17	9.0	13
25	22	16E	15E	18E	35E	45E	389	26	22	45	12	12
26	21	16E	17E	18E	34E	44E	155	30	20	21	12	12
27	21	15E	18E	17E	40E	43	81	27	18	16	12	12
28	19	16E	18E	17E	38E	41	60	27	18	18	12	12
29	21	15E	20E	18E	-----	38	51	27	19	17	11	12
30	22	16E	19E	18E	-----	37	45	29	19	16	9.7	12
31	20	-----	19E	18E	-----	36	-----	29	-----	17	9.9	-----
TOTAL	473.4	495	503	619	609	3,049	2,299	1,666	740	460.2	319.1	375.1
MEAN	15.3	16.5	16.2	20.0	21.8	98.4	76.6	53.7	24.7	14.8	10.3	12.5
MAX	25	43	20	25	40	290	389	191	32	45	15	22
MIN	8.4	10	14	16	16	36	31	26	18	7.7	6.3	8.1
AC-FT	939	982	998	1,230	1,210	6,050	4,560	3,300	1,470	913	633	744
CAL YEAR 2000	TOTAL	7,597.20	MEAN	20.8	MAX	226	MIN	3.8	AC-FT	15,070		
WTR YEAR 2001	TOTAL	11,607.80	MEAN	31.8	MAX	389	MIN	6.3	AC-FT	23,020		

E indicates estimated discharge.

PLATTE RIVER BASIN (LOUP RIVER)

TURKEY CREEK near Dannebrog, 06784800 - 2001

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 345 cubic feet per second April 22, gage height 10.53 feet, minimum daily discharge 2.8 cubic feet per second October 1.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	11	6.4E	6.2E	5.6E	7.8	15	16	13	22	17	30
2	3.1	9.0	6.2E	6.6E	5.4E	8.0	14	15	12	23	21	27
3	3.5	7.5	6.0E	6.4E	6.0E	10	15	16	12	20	22	21
4	3.5	6.8	6.2E	6.6E	7.0E	16	15	22	14	20	25	18
5	4.3	7.4	6.2E	7.0E	7.0E	15	14	125	13	20	27	18
6	4.5	8.5	6.0E	8.0E	6.6E	12	15	98	12	21	26	18
7	4.9	8.3	6.0E	9.0E	6.4E	13	38	39	12	25	25	33
8	5.1	7.5	6.6E	10 E	6.0E	31	29	28	12	25	24	31
9	5.3	7.2E	6.4E	9.8E	6.4E	61	20	25	11	25	24	16
10	5.4	6.8E	5.8E	9.6E	6.6E	94	18	24	11	23	24	13
11	5.5	6.6E	5.2E	9.0E	7.0E	61	54	21	11	41	22	12
12	4.9	6.6E	7.4E	8.6E	7.4E	31	58	19	9.5	49	22	8.4
13	4.3	7.0E	8.0E	8.4E	9.6E	75	27	18	10	27	27	7.4
14	4.1	7.4E	8.2E	8.0E	9.0E	253	23	17	9.3	18	25	8.5
15	3.7	7.0E	8.2E	7.6E	8.0E	125	21	16	8.8	18	46	11
16	4.5	6.8E	8.0E	7.4E	8.0E	40	20	16	8.1	18	27	9.8
17	6.1	6.6E	8.0E	7.0E	7.0E	27	18	15	8.2	20	15	8.3
18	7.4	6.8E	7.8E	6.6E	6.4E	24	17	14	8.8	20	25	7.5
19	9.7	7.0E	7.4E	6.2E	6.4E	22	17	14	11	21	17	6.9
20	12	7.0E	8.0E	6.6E	6.2E	22	17	16	12	25	20	6.3
21	10	7.8E	7.8E	6.4E	6.4E	22	16	15	15	27	15	6.0
22	12	7.4E	8.4E	6.0E	6.2E	23	99	13	14	29	16	5.8
23	12	7.0E	8.4E	6.4E	6.4E	21	177	13	18	36	19	5.6
24	11	7.0E	8.0E	6.2E	6.8E	19	44	13	15	34	30	5.6
25	11	7.0E	7.4E	6.0E	6.6E	17	29	14	18	32	28	5.5
26	9.7	7.0E	7.0E	6.2E	8.4E	16	25	13	18	29	30	5.3
27	9.5	6.8E	7.0E	6.0E	9.4E	16	22	12	19	28	27	5.2
28	9.4	6.8E	7.0E	6.2E	10	16	20	12	18	22	28	5.1
29	12	6.6E	6.8E	6.2E	-----	16	18	12	21	16	28	5.1
30	12	6.6E	7.0E	5.8E	-----	15	17	15	21	12	31	5.0
31	9.1	-----	7.0E	6.0E	-----	16	-----	18	-----	14	31	-----
TOTAL	222.3	218.8	219.8	222.0	198.2	1,144.8	932	724	395.7	760	764	365.3
MEAN	7.17	7.29	7.09	7.16	7.08	36.9	31.1	23.4	13.2	24.5	24.6	12.2
MAX	12	11	8.4	10	10	253	177	125	21	49	46	33
MIN	2.8	6.6	5.2	5.8	5.4	7.8	14	12	8.1	12	15	5.0
AC-FT	441	434	436	440	393	2,270	1,850	1,440	785	1,510	1,520	725
CAL YEAR 2000 TOTAL		4,367.70	MEAN	11.9	MAX	134	MIN	2.8	AC-FT	8,660		
WTR YEAR 2001 TOTAL		6,166.90	MEAN	16.9	MAX	253	MIN	2.8	AC-FT	12,230		

E indicates estimated discharge.

PLATTE RIVER BASIN (LOUP RIVER)

TAYLOR-ORD CANAL from North Loup River, 00107000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	62	131	211	163
2								0	64	156	212	166
3								0	64	173	212	158
4								0	63	147	212	153
5								0	62	150	212	156
6								0	63	153	214	156
7								0	62	148	211	139
8								0	63	152	211	112
9								0	64	163	211	80
10								0	66	172	211	30
11								0	65	178	209	0
12								0	63	176	209	0
13								0	64	176	204	0
14								0	68	176	195	0
15								39	62	179	144	0
16								1.5	64	193	92	0
17								54	66	208	100	0
18								131	65	207	100	0
19								84	63	209	100	0
20								71	60	211	99	0
21								63	57	211	100	0
22								66	63	212	96	0
23								64	74	213	100	0
24								68	93	214	100	0
25								69	93	216	96	0
26								69	90	216	106	0
27								66	95	216	123	0
28								68	111	213	140	0
29					-----			69	116	212	155	0
30					-----			67	119	212	157	0
31		-----			-----		-----	65	-----	213	161	-----
TOTAL								1,114.5	2,184	5,806	4,903	1,313
MEAN								36.0	72.8	187	158	43.8
MAX								131	119	216	214	166
MIN								0	57	131	92	0
AC-FT								2,210	4,330	11,520	9,730	2,600
CAL YEAR 2000	MAX	234	MIN	0	AC-FT	34,020						
WTR YEAR 2001	MAX	216	MIN	0	AC-FT	30,390						

PLATTE RIVER BASIN (LOUP RIVER)

TAYLOR-ORD CANAL inlet to Mirdan Canal, 00107100 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	33	90	126	99
2								0	32	96	129	101
3								0	33	109	128	99
4								0	33	97	130	89
5								0	37	90	126	83
6								0	35	89	126	79
7								0	34	80	124	86
8								0	34	78	123	83
9								0	35	85	126	59
10								0	35	99	128	39
11								0	39	111	130	14
12								0	39	116	136	.35
13								0	42	117	138	0
14								0	44	113	136	0
15								0	46	109	118	0
16								0	45	117	68	0
17								0	46	120	77	0
18								63	44	123	81	0
19								60	45	124	81	0
20								54	46	123	80	0
21								34	46	126	78	0
22								38	44	126	72	0
23								39	53	124	64	0
24								41	60	125	68	0
25								41	67	127	75	0
26								42	66	127	74	0
27								39	65	133	88	0
28								36	75	134	92	0
29					-----			35	89	136	97	0
30					-----			35	89	134	97	0
31		-----			-----		-----	35	-----	128	98	-----
TOTAL								592	1,431	3,506	3,214	831.35
MEAN								19.1	47.7	113	104	27.7
MAX								63	89	136	138	101
MIN								0	32	78	64	0
AC-FT								1,170	2,840	6,950	6,370	1,650
CAL YEAR 2000	MAX	145	MIN	0	AC-FT	22,840						
WTR YEAR 2001	MAX	138	MIN	0	AC-FT	18,990						

PLATTE RIVER BASIN (LOUP RIVER)

TAYLOR-ORD CANAL outlet from Mirdan Canal, 00107200 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	31	70	75	56
2								0	29	68	74	55
3								0	29	69	73	54
4								0	29	2.1	73	53
5								0	32	0	73	49
6								0	31	0	73	44
7								0	30	0	73	40
8								0	30	0	73	36
9								0	30	0	75	31
10								0	30	0	73	25
11								0	33	0	73	6.0
12								0	35	17	76	0
13								0	36	59	74	0
14								0	39	60	74	0
15								0	41	58	76	0
16								0	41	69	64	0
17								0	41	77	59	0
18								34	42	77	52	0
19								53	42	76	52	0
20								57	42	76	50	0
21								50	42	75	50	0
22								41	41	74	52	0
23								42	45	75	51	0
24								41	52	76	51	0
25								40	59	76	51	0
26								39	58	75	50	0
27								39	54	77	53	0
28								35	54	78	58	0
29					-----			32	68	76	58	0
30					-----			32	72	74	54	0
31		-----			-----		-----	32	-----	75	54	-----
TOTAL								567	1,238	1,609.1	1,967	449.0
MEAN								18.3	41.3	51.9	63.5	15.0
MAX								57	72	78	76	56
MIN								0	29	0	50	0
AC-FT								1,120	2,460	3,190	3,900	891
CAL YEAR 2000	MAX	89	MIN	0	AC-FT	13,350						
WTR YEAR 2001	MAX	78	MIN	0	AC-FT	11,560						

PLATTE RIVER BASIN (LOUP RIVER)

KENT CANAL from North Loup River, 00076500 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	269			
2								0	271			
3								0	271			
4								0	272			
5								0	266			
6								0	265			
7								0	300			
8								0	308			
9								0	306			
10								0	306			
11								0	306			
12								0	309			
13								0	309			
14								31	312			
15								110	310			
16								163	309			
17								195	307			
18								259	306			
19								263	309			
20								251	321			
21								265	331			
22								279	261			
23								288	181			
24								290	183			
25								293	182			
26								284	183			
27								276	183			
28								271	124			
29					-----			271	70			
30					-----			272	13			
31		-----			-----		-----	268	-----			-----
TOTAL								4,329	7,643			
MEAN								140	255			
MAX								293	331			
MIN								0	13			
AC-FT								8,590	15,160			
CAL YEAR 2000	MAX	317	MIN	0	AC-FT	22,780						
WTR YEAR 2001	MAX	331	MIN	0	AC-FT	23,750						

PLATTE RIVER BASIN (LOUP RIVER)

CALAMUS RIVER near Harrop, 06787000 - 2001

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

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

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 1,380 cubic feet per second May 28, 1995, gage height 4.68 feet; maximum gage height 6.18 feet February 9, 2001 due to backwater from ice; minimum daily discharge 90 cubic feet per second January 7, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharge 719 cubic feet per second May 7, gage height 4.63 feet; maximum gage height 6.18 feet February 9 due to backwater from ice; minimum daily discharge 207 cubic feet per second October 20.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	247	384	260	230E	254	283	348	457	322	251	227	242
2	237	338	262	245E	240E	294	361	444	306	254	258	237
3	241	317	264	250E	261	300	369	419	322	250	252	234
4	243	289	269	270E	270	305	376	406	311	244	249	233
5	249	273	260	296	274	284	391	506	318	256	239	231
6	230	263	260	281	287	291	414	598	308	254	230	223
7	231	260	270	271	288	292	506	675	318	244	231	249
8	237	234	278	262	268	310	509	657	315	261	231	273
9	237	236	275	264	250E	332	579	647	306	245	230	263
10	242	230	260E	270	230E	378	529	552	296	257	230	252
11	245	242	240E	275	230E	393	518	460	289	276	228	246
12	249	245E	240E	267	240E	383	520	432	283	286	252	244
13	240	250E	220E	284	240E	377	582	402	283	275	283	245
14	238	245E	220E	277	250E	401	644	382	304	261	280	282
15	234	242	230E	263	260E	438	629	359	297	253	417	307
16	240	237	230E	263	250E	456	555	339	276	247	314	307
17	224	230E	220E	261	260E	458	458	322	269	241	277	294
18	222	248	230E	263	275	446	421	312	261	238	262	284
19	222	245	230E	240E	293	427	396	307	256	240	253	282
20	215	241	240E	250E	278	429	370	304	254	233	250	274
21	215	244	240E	268	266	455	374	295	258	228	249	271
22	247	253	235E	260	274	457	455	279	247	245	246	270
23	254	253	240E	268	294	440	523	272	246	245	256	269
24	262	259	240E	261	250E	406	567	270	243	242	285	266
25	250	265	250E	255	240E	386	607	271	234	247	269	269
26	242	266	244	254	283	368	566	273	229	236	263	270
27	237	270	253	246	270E	351	514	271	242	246	253	271
28	254	278	266	264	270E	345	475	272	250	243	244	274
29	320	270	281	274	-----	342	437	273	234	242	239	277
30	324	277	266	273	-----	352	492	303	234	234	245	280
31	318	-----	257	255	-----	353	-----	319	-----	231	252	-----
TOTAL	7,646	7,884	7,730	8,160	7,345	11,532	14,485	12,078	8,311	7,705	7,994	7,919
MEAN	247	263	249	263	262	372	483	390	277	249	258	264
MAX	324	384	281	296	294	458	644	675	322	286	417	307
MIN	215	230	220	230	230	283	348	270	229	228	227	223
AC-FT	15,170	15,640	15,330	16,190	14,570	22,870	28,730	23,960	16,480	15,280	15,860	15,710
CAL YEAR 2000 TOTAL		97,418	MEAN	266	MAX	528	MIN	205	AC-FT	193,200		
WTR YEAR 2001 TOTAL		108,789	MEAN	298	MAX	675	MIN	215	AC-FT	215,800		

E indicates estimated discharge.

PLATTE RIVER BASIN (LOUP RIVER)

CALAMUS RESERVOIR from Calamus River, 06787300 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61,560	59,670	79,620	98,950	118,600	121,200	121,000	127,300	128,300	126,900	97,800	75,680
2	61,460	59,600	80,300	99,380	118,900	121,200	121,000	127,500	128,400	125,700	97,100	74,660
3	61,170	59,950	80,950	99,950	119,700	121,200	121,000	127,100	128,000	124,800	96,900	73,830
4	61,170	60,850	81,710	100,700	120,100	121,200	120,800	127,600	128,500	124,000	95,300	73,140
5	61,070	61,690	82,290	101,300	120,600	121,200	120,800	127,800	128,300	123,400	94,300	72,320
6	60,940	62,600	83,100	101,600	121,000	121,200	121,000	128,200	128,700	122,200	93,500	71,510
7	60,720	63,280	83,720	102,800	120,800	121,200	122,100	128,100	128,800	121,300	92,800	70,700
8	60,520	63,680	84,300	103,300	121,100	121,200	122,100	128,200	128,900	120,100	91,900	70,000
9	60,430	64,380	85,000	103,700	121,000	121,300	122,200	128,400	128,900	119,600	91,100	69,470
10	60,270	65,010	85,790	104,400	121,000	121,300	122,200	128,400	128,700	118,500	89,900	69,090
11	60,460	65,580	86,340	105,100	121,000	121,300	122,300	128,200	128,800	117,700	88,800	68,950
12	59,980	66,620	86,580	105,700	120,800	121,500	122,700	127,600	129,100	117,100	87,700	69,020
13	60,080	67,410	87,020	106,400	121,100	121,800	122,600	127,600	129,200	116,400	87,000	68,950
14	59,950	68,430	87,700	107,300	121,000	121,800	122,500	127,600	130,300	115,600	86,300	68,980
15	59,830	68,430	88,460	107,800	120,900	121,700	123,100	127,600	130,300	114,800	86,300	69,470
16	59,760	69,330	89,100	108,500	121,000	121,700	123,100	127,700	130,800	114,000	85,800	69,510
17	59,640	69,820	89,630	109,100	121,100	121,700	122,900	127,700	131,100	113,100	85,300	69,580
18	59,480	70,620	90,200	109,600	121,000	121,800	122,600	127,700	131,500	112,100	84,800	69,440
19	59,350	71,220	90,730	110,300	121,100	122,000	122,700	127,800	131,000	111,100	84,300	69,330
20	59,220	71,970	91,300	110,500	121,300	121,900	122,700	127,900	130,900	109,800	83,900	69,370
21	59,070	72,570	91,840	111,400	121,200	122,100	122,800	128,000	130,600	108,700	83,400	69,190
22	58,940	73,290	92,420	112,100	121,100	121,900	123,200	127,800	130,400	107,700	82,900	68,920
23	59,260	74,040	93,250	112,700	121,100	121,700	124,600	127,500	130,300	106,400	82,200	68,780
24	59,130	74,730	93,750	113,400	121,100	121,500	124,900	127,800	130,300	105,200	82,000	68,610
25	59,190	75,240	94,300	113,800	121,100	121,400	125,700	127,800	129,900	104,300	81,400	68,570
26	59,190	76,260	95,000	114,600	121,200	121,400	126,700	128,100	129,800	103,400	80,700	68,610
27	59,130	76,710	95,600	115,100	121,100	121,200	127,100	128,300	129,300	102,500	80,200	68,610
28	59,070	77,520	96,240	115,700	120,900	121,200	127,900	128,400	129,000	101,800	79,400	68,500
29	59,070	78,190	96,880	116,700	-----	121,300	126,900	128,400	128,400	100,800	78,200	68,540
30	59,290	78,860	97,520	117,300	-----	121,200	127,400	128,900	128,000	100,100	77,600	68,430
31	59,380	-----	98,210	117,800	-----	121,300	-----	129,000	-----	98,900	76,600	-----
MAX	61,560	78,860	98,210	117,800	121,300	122,100	127,900	129,000	131,500	126,900	97,800	75,680
MIN	58,940	59,600	79,620	98,950	118,600	121,200	120,800	127,100	128,000	98,900	76,600	68,430
CHANGE	-9,050	19,480	19,350	19,590	3,100	400	6,100	1,600	-1,000	-29,100	-22,300	-8,170
CAL YEAR 2000			MEAN	18,263	MAX	129,000	MIN	58,940				
WTR YEAR 2001			MEAN	101,455	MAX	131,500	MIN	58,940				

PLATTE RIVER BASIN (LOUP RIVER)

MIRDAN CANAL from Calamus Reservoir, 00100500 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	495	565	423
2									0	502	534	414
3									0	489	482	382
4									0	436	433	402
5									0	432	431	426
6									0	451	446	426
7									0	504	440	327
8									0	496	483	184
9									0	452	487	164
10									0	431	455	38
11									0	371	426	0
12									0	327	423	0
13									0	383	402	0
14									0	380	410	0
15									0	383	275	0
16									0	473	227	0
17									0	523	215	0
18									0	585	197	0
19									0	610	196	0
20									0	637	223	0
21									0	593	262	0
22									124	592	294	0
23									162	610	340	0
24									162	543	349	0
25									225	495	327	0
26									247	492	318	0
27									253	493	357	0
28									320	496	452	0
29					-----				395	490	467	0
30					-----				466	522	455	0
31		-----			-----		-----		-----	582	440	-----
TOTAL									2,354	15,268	11,811	3,186
MEAN									78.5	493	381	106
MAX									466	637	565	426
MIN									0	327	196	0
AC-FT									4,670	30,280	23,430	6,320
CAL YEAR 2000	MAX	606	MIN	0	AC-FT	83,070						
WTR YEAR 2001	MAX	637	MIN	0	AC-FT	64,700						

PLATTE RIVER BASIN (LOUP RIVER)

CALAMUS FISH HATCHERY INLET from Calamus Reservoir, 00019800 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	5.6	5.8	6.1	6.4	6.3	3.5	9.5	11	14	18	10
2	5.1	5.6	5.8	6.1	6.6	6.3	3.5	10	11	14	16	9.6
3	5.1	5.6	5.8	6.2	6.4	6.3	3.9	9.6	11	15	14	9.6
4	4.5	5.6	5.8	6.2	6.4	6.3	4.8	8.8	11	15	14	9.4
5	3.8	5.7	5.8	6.2	6.5	6.3	4.7	8.8	11	14	15	9.4
6	4.5	5.7	5.8	6.2	6.4	6.3	4.5	8.8	11	15	15	9.7
7	4.3	5.8	5.9	6.0	6.3	6.3	4.7	7.7	11	15	16	11
8	4.0	5.6	5.9	6.2	6.2	6.5	4.4	12	11	14	16	9.7
9	14	5.6	5.9	6.1	6.4	6.4	4.5	14	11	15	16	8.6
10	12	5.7	5.9	6.2	6.3	6.4	12	9.6	11	15	16	8.0
11	11	5.7	5.9	6.2	6.5	6.4	11	11	11	15	16	7.8
12	5.6	5.6	6.0	6.2	6.3	6.4	11	12	11	14	15	8.5
13	3.5	5.7	5.9	6.1	6.3	6.3	8.9	13	11	15	15	12
14	4.3	5.6	5.9	6.2	6.2	6.4	8.5	9.1	11	14	15	13
15	4.3	5.6	6.0	6.2	6.4	6.3	8.6	7.2	11	13	15	15
16	5.1	5.6	6.0	6.2	6.2	6.2	9.7	6.3	11	14	15	13
17	5.4	5.6	6.0	6.1	6.4	6.5	10	5.6	11	14	14	16
18	5.6	5.7	5.9	6.2	6.4	6.4	9.2	5.7	11	14	14	17
19	5.3	5.6	6.0	6.2	6.3	4.2	10	5.7	11	15	12	18
20	5.0	5.7	6.0	6.3	6.4	1.2	13	5.6	11	14	12	12
21	5.0	5.6	6.0	6.1	6.2	3.5	14	5.5	11	15	12	11
22	5.0	5.6	6.0	6.2	6.5	3.6	13	8.3	11	15	12	9.8
23	4.9	5.7	5.9	6.2	6.3	3.5	11	5.9	11	15	12	9.0
24	5.0	5.7	6.0	6.3	6.3	3.5	14	4.4	11	15	12	12
25	3.0	5.7	5.9	6.3	6.4	3.5	16	3.5	11	15	12	18
26	3.0	5.8	6.1	6.2	6.3	3.5	16	3.5	11	14	12	19
27	3.0	5.7	6.0	6.2	6.3	3.5	11	3.7	11	17	12	18
28	2.9	5.7	6.0	6.3	6.3	3.5	8.0	4.7	11	16	12	16
29	3.0	5.8	6.1	6.3	-----	3.6	6.9	7.1	11	15	12	16
30	2.9	5.8	6.1	6.3	-----	3.6	8.6	9.5	11	16	12	16
31	3.0	-----	6.1	6.4	-----	3.6	-----	8.0	-----	17	12	-----
TOTAL	158.3	170.0	184.2	192.2	177.9	158.6	268.9	244.1	330	458	431	372.1
MEAN	5.11	5.67	5.94	6.20	6.35	5.12	8.96	7.87	11.0	14.8	13.9	12.4
MAX	14	5.8	6.1	6.4	6.6	6.5	16	14	11	17	18	19
MIN	2.9	5.6	5.8	6.0	6.2	1.2	3.5	3.5	11	13	12	7.8
AC-FT	314	337	365	381	353	315	533	484	655	908	855	738
CAL YEAR 2000	TOTAL	2,943.90	MEAN	8.04	MAX	21	MIN	2.9	AC-FT	5,840		
WTR YEAR 2001	TOTAL	3,145.30	MEAN	8.62	MAX	19	MIN	1.2	AC-FT	6,240		

PLATTE RIVER BASIN (LOUP RIVER)

INLET TO DAVIS CREEK RESERVOIR from Mirdan Canal, 00088500 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	188	222	181	151
2								0	190	215	195	163
3								0	192	212	192	170
4								0	191	212	140	152
5								0	192	212	129	129
6								0	195	212	77	117
7								0	222	210	22	140
8								0	232	208	30	130
9								0	238	208	45	102
10								0	239	207	61	83
11								0	239	230	81	60
12								0	237	244	89	59
13								0	237	244	79	65
14								0	238	244	63	66
15								0	238	244	103	63
16								0	241	244	140	59
17								47	243	225	137	21
18								116	244	211	129	1.6
19								117	246	200	127	0
20								160	244	178	121	0
21								183	241	181	108	0
22								184	243	184	91	0
23								181	242	187	78	0
24								186	242	208	79	0
25								180	239	234	80	0
26								185	235	238	82	0
27								183	234	239	72	0
28								183	234	232	100	0
29					-----			188	231	224	122	0
30					-----			189	228	203	119	0
31		-----			-----		-----	189	-----	185	132	-----
TOTAL								2,471	6,855	6,697	3,204	1,731.6
MEAN								79.7	229	216	103	57.7
MAX								189	246	244	195	170
MIN								0	188	178	22	0
AC-FT								4,900	13,600	13,280	6,360	3,430
CAL YEAR 2000	MAX	250	MIN	0	AC-FT	53,950						
WTR YEAR 2001	MAX	246	MIN	0	AC-FT	41,570						

PLATTE RIVER BASIN (LOUP RIVER)

DAVIS CREEK RESERVOIR from Calamus Reservoir via Mirdan Canal - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23,960	23,180	22,360	21,760	21,210	20,770	20,450	20,290	20,850	27,740	25,710	15,940
2	23,940	23,170	22,350	21,730	21,200	20,760	20,430	20,290	21,120	27,700	25,350	15,710
3	23,920	23,140	22,320	21,720	21,190	20,750	20,410	20,290	21,380	27,770	25,050	15,610
4	23,870	23,120	22,300	21,690	21,180	20,740	20,380	20,300	21,640	27,680	24,390	15,920
5	23,830	23,100	22,280	21,670	21,170	20,740	20,370	20,310	21,850	27,620	24,140	15,620
6	23,790	23,080	22,270	21,660	21,160	20,730	20,390	20,320	22,090	27,520	23,560	15,500
7	23,760	23,040	22,260	21,650	21,150	20,720	20,380	20,320	22,360	27,420	22,760	15,460
8	23,720	23,010	22,250	21,630	21,130	20,710	20,370	20,300	22,540	27,270	21,980	15,470
9	23,680	22,980	22,250	21,610	21,110	20,690	20,400	20,290	22,600	27,130	21,360	15,420
10	23,650	22,950	22,240	21,590	21,090	20,670	20,540	20,270	23,300	27,790	21,080	15,380
11	23,610	22,930	22,230	21,580	21,060	20,670	20,540	20,250	23,600	26,720	20,800	15,910
12	23,580	22,910	22,200	21,560	21,040	20,660	20,530	20,230	23,940	26,950	20,210	15,610
13	23,560	22,870	22,170	21,550	21,030	20,650	20,500	20,210	24,260	27,340	20,100	15,710
14	23,540	22,850	22,140	21,540	21,020	20,640	20,480	20,180	24,600	27,620	19,900	16,010
15	23,510	22,830	22,120	21,530	21,010	20,630	20,470	20,160	24,930	27,890	19,500	16,060
16	23,470	22,810	22,090	21,520	20,980	20,620	20,450	19,990	25,240	28,200	19,460	16,140
17	23,440	22,790	22,060	21,500	20,960	20,610	20,430	19,900	25,650	28,300	19,430	16,210
18	23,410	22,770	22,040	21,490	20,950	20,610	20,410	19,780	25,840	28,370	19,400	16,210
19	23,380	22,740	22,010	21,460	20,930	20,590	20,400	19,970	26,200	28,200	19,360	16,210
20	23,360	22,710	21,980	21,430	20,920	20,590	20,380	20,060	26,460	27,810	19,320	16,200
21	23,330	22,690	21,960	21,410	20,910	20,580	20,360	20,210	26,730	27,470	19,220	16,180
22	23,300	22,660	21,940	21,380	20,890	20,580	20,350	20,290	27,070	27,020	19,050	16,160
23	23,280	22,630	21,920	21,380	20,880	20,570	20,490	20,350	27,250	26,920	18,740	16,150
24	23,260	22,590	21,910	21,330	20,860	20,560	20,490	20,440	27,490	26,660	18,440	16,130
25	23,220	22,560	21,890	21,320	20,840	20,550	20,470	20,510	27,670	26,530	18,140	16,110
26	23,240	22,520	21,870	21,290	20,820	20,540	20,450	20,510	27,780	26,340	17,860	16,080
27	23,250	22,490	21,850	21,270	20,810	20,540	20,430	20,510	27,900	26,200	17,580	16,070
28	23,260	22,470	21,820	21,250	20,790	20,530	20,410	20,530	28,000	26,130	17,180	16,060
29	23,250	22,440	21,800	21,240	-----	20,520	20,390	20,540	27,830	26,120	16,800	16,040
30	23,230	22,410	21,780	21,220	-----	20,500	20,350	20,590	27,800	26,090	16,380	16,020
31	23,210	-----	21,760	21,210	-----	20,480	-----	20,640	-----	25,710	16,070	-----
MAX	23,960	23,180	22,360	21,760	21,210	20,770	20,540	20,640	28,000	28,370	25,710	16,210
MIN	23,210	22,410	21,760	21,210	20,790	20,480	20,350	19,780	20,850	25,710	16,070	15,380
CHANGE	7,190	-800	-650	-550	-420	-310	-130	290	7,160	-2,090	-9,640	-50.0
CAL YEAR 2000			MEAN	5,731	MAX	32,100	MIN	13,800				
WTR YEAR 2001			MEAN	21,724	MAX	28,370	MIN	15,380				

PLATTE RIVER BASIN (LOUP RIVER)

FULLERTON CANAL from Davis Creek Reservoir, 00054700 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	111	216	319	215
2								0	114	175	320	215
3								0	114	215	319	148
4								0	115	233	277	156
5								0	115	233	260	172
6								0	116	247	308	172
7								0	116	252	367	151
8								0	116	252	378	129
9								0	116	276	377	129
10								0	116	282	332	38
11								0	116	153	242	0
12								0	117	64	216	0
13								0	117	77	215	0
14								0	118	88	251	0
15								40	118	93	178	0
16								74	119	99	133	0
17								74	119	142	133	0
18								74	119	246	134	0
19								74	120	322	134	0
20								74	134	335	148	0
21								95	150	282	177	0
22								90	156	262	204	0
23								99	156	274	213	0
24								118	173	280	216	0
25								150	195	280	216	0
26								161	210	280	215	0
27								161	226	280	242	0
28								161	285	233	279	0
29					-----			164	294	217	287	0
30					-----			166	284	235	286	0
31		-----			-----		-----	87	-----	285	233	-----
TOTAL								1,862	4,475	6,908	7,609	1,525
MEAN								60.1	149	223	245	50.8
MAX								166	294	335	378	215
MIN								0	111	64	133	0
AC-FT								3,690	8,880	13,700	15,090	3,020
CAL YEAR 2000	MAX	385	MIN	0	AC-FT	40,220						
WTR YEAR 2001	MAX	378	MIN	0	AC-FT	44,390						

PLATTE RIVER BASIN (LOUP RIVER)

CALAMUS RIVER near Burwell, 06787500 - 2001

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 poor.

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 731 cubic feet per second May 9, gage height 3.00 feet; minimum daily discharge 19 cubic feet per second January 31.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	383	341	24	25	20	345	437	485	438	332	278	317
2	382	365	24	26	79	345	438	480	380	346	281	316
3	382	164	25	25	95	346	440	479	351	339	281	315
4	386	27	24	25	93	344	410	482	348	336	283	315
5	349	27	23	24	165	353	394	582	355	340	282	315
6	366	28	24	26	213	362	396	656	357	339	283	312
7	368	27	24	25	292	362	462	639	358	338	284	334
8	368	27	24	26	302	379	484	633	357	349	280	355
9	367	29	25	26	310	404	546	699	359	347	278	389
10	369	28	27	25	310	412	595	723	343	347	303	365
11	369	27E	22E	25	314	419	612	680	302	343	313	336
12	369	26E	21E	26	311	434	586	545	289	344	314	322
13	371	27E	22E	26	316	446	578	479	123	341	313	318
14	373	26E	24E	26	317	484	576	425	77	343	332	345
15	374	27E	24E	24	321	500	578	367	79	344	376	387
16	372	27	21E	24	323	499	592	358	78	340	382	393
17	379	27	22E	24	326	496	592	334	84	334	378	397
18	380	27	22E	23E	325	494	529	315	405	314	350	395
19	385	26	21E	23E	314	491	499	314	546	307	329	393
20	386	26	24E	24	362	433	434	325	513	308	328	398
21	387	25	22E	24	378	525	408	361	504	300	328	397
22	389	25	22E	23	382	547	427	290	441	291	328	402
23	386	25	24E	24	390	549	424	250	339	291	328	373
24	388	24	24E	23	389	502	410	218	323	290	331	347
25	389	23	24E	22	385	475	220	212	313	287	332	350
26	388	24	25	21	387	472	80E	207	298	287	332	347
27	386	24	24	21	386	452	600E	229	289	285	328	343
28	386	24	23	22	362	440	520E	256	282	280	328	345
29	389	23	23	23	-----	406	500E	262	272	282	327	347
30	387	25	25	21	-----	439	500E	338	286	279	318	336
31	384	-----	25	19	-----	439	-----	431	-----	278	317	-----
TOTAL	11,737	1,571	728	741	8,167	13,594	14,267	13,054	9,489	9,881	9,845	10,604
MEAN	379	52.4	23.5	23.9	292	439	476	421	316	319	318	353
MAX	389	365	27	26	390	549	612	723	546	349	382	402
MIN	349	23	21	19	20	344	80	207	77	278	278	312
AC-FT	23,280	3,120	1,440	1,470	16,200	26,960	28,300	25,890	18,820	19,600	19,530	21,030
CAL YEAR 2000 TOTAL		77,362	MEAN	211	MAX	437	MIN	21	AC-FT	153,400		
WTR YEAR 2001 TOTAL		103,678	MEAN	284	MAX	723	MIN	19	AC-FT	205,600		

E indicates estimated discharge.

PLATTE RIVER BASIN (LOUP RIVER)

BURWELL-SUMTER CANAL from North Loup River, 00108000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								70	33	84	117	75
2								126	32	93	117	74
3								59	32	119	110	74
4								55	35	117	112	74
5								49	35	122	112	72
6								42	34	119	108	71
7								37	34	122	108	65
8								27	34	118	107	52
9								9.4	35	117	107	52
10								8.5	34	120	110	46
11								12	34	123	112	44
12								33	37	123	112	40
13								35	35	107	110	33
14								36	37	103	114	24
15								35	35	107	79	18
16								33	36	111	54	14
17								33	36	111	54	4.6
18								32	35	109	55	0
19								32	35	117	55	0
20								32	35	119	57	0
21								32	36	118	59	0
22								33	35	117	66	0
23								33	37	116	72	0
24								32	39	118	73	0
25								33	44	114	72	0
26								31	44	114	71	0
27								31	49	118	78	0
28								33	58	115	95	0
29					-----			33	69	111	106	0
30					-----			34	77	113	97	0
31		-----			-----		-----	33	-----	112	75	-----
TOTAL								1,153.9	1,181	3,527	2,774	832.6
MEAN								37.2	39.4	114	89.5	27.8
MAX								126	77	123	117	75
MIN								8.5	32	84	54	0
AC-FT								2,290	2,340	7,000	5,500	1,650
CAL YEAR 2000	MAX	115	MIN	0	AC-FT	19,600						
WTR YEAR 2001	MAX	126	MIN	0	AC-FT	18,780						

PLATTE RIVER BASIN (LOUP RIVER)

NORTH LOUP RIVER at Ord, 06788500 - 2001

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 record 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 3,210 cubic feet per second May 5, gage height 3.82 feet; maximum gage height 4.44 feet March 4 due to backwater from ice; minimum daily discharge 389 cubic feet per second June 17.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,040	1,480	760E	560E	680E	1,000E	1,220	1,640	956	850	624	738
2	1,010	1,170	740E	560E	720E	1,100E	1,170	1,560	941	1,020	699	706
3	1,000	962	700E	580E	740E	1,200E	1,250	1,440	857	916	677	679
4	1,010	489	700E	620E	760E	1,300E	1,140	1,530	814	870	662	686
5	1,020	451	700E	660E	780E	1,500E	1,140	2,470	800	855	629	659
6	1,080	452	680E	700E	800E	1,790	1,140	2,560	828	848	616	597
7	1,090	417	680E	720E	820E	1,450	1,540	2,690	828	871	576	740
8	1,080	450E	700E	740E	780E	1,390	2,160	2,250	757	1,120	541	867
9	1,060	410E	740E	740E	740E	1,350	1,940	2,240	768	983	536	1,070
10	1,060	540E	700E	740E	720E	1,540	1,890	2,170	765	863	537	983
11	1,060	560E	660E	760E	720E	1,560	2,270	2,110	560E	838	620	957
12	1,040	580E	600E	760E	740E	1,480	2,240	1,730	510E	984	667	896
13	1,050	540E	490E	760E	760E	1,760	2,340	1,550	400E	1,140	751	838
14	1,040	560E	500E	760E	780E	2,480	2,120	1,440	440E	977	857	985
15	1,040	600E	500E	740E	760E	2,170	1,970	1,200	461	935	2,300	1,690
16	1,060	620E	520E	740E	780E	1,810	1,610	931	415	905	1,460	1,390
17	1,110	640E	500E	720E	800E	1,710	1,380	867	389	819	1,000	1,310
18	1,060	620E	520E	720E	800E	1,740	1,300	676	439	700	919	1,180
19	1,010	640E	520E	700E	840E	1,700	1,270	544	691	658	808	1,130
20	982	720E	520E	680E	900E	1,650	1,210	636	658	654	752	1,140
21	989	680E	520E	660E	920E	1,740	1,210	692	630	630	756	1,200
22	1,040	660E	520E	660E	940E	1,760	1,720	679	590	581	777	1,170
23	1,180	660E	520E	680E	940E	1,760	1,910	508	554	571	779	1,200
24	1,250	660E	540E	700E	980E	1,590	1,910	435	582	618	850	1,110
25	1,260	680E	540E	700E	980E	1,490	1,900	402	529	606	949	1,090
26	1,200	680E	540E	680E	980E	1,440	1,250	392	481	585	960	1,080
27	1,130	680E	560E	680E	960E	1,310	1,880	391	468	587	846	1,040
28	1,170	700E	580E	680E	940E	1,250	1,890	435	435	617	712	1,020
29	1,310	740E	600E	680E	-----	1,220	1,540	485	484	636	663	1,030
30	1,490	780E	580E	700E	-----	1,250	1,490	530	548	591	718	1,060
31	1,440	-----	580E	700E	-----	1,280	-----	771	-----	560	729	-----
TOTAL	34,361	19,821	18,510	21,480	23,060	47,770	49,000	37,954	18,578	24,388	24,970	30,241
MEAN	1,108	661	597	693	824	1,541	1,633	1,224	619	787	805	1,008
MAX	1,490	1,480	760	760	980	2,480	2,340	2,690	956	1,140	2,300	1,690
MIN	982	410	490	560	680	1,000	1,140	391	389	560	536	597
AC-FT	68,160	39,310	36,710	42,610	45,740	94,750	97,190	75,280	36,850	48,370	49,530	59,980
CAL YEAR 2000 TOTAL		288,214	MEAN	787	MAX	1,790	MIN	262	AC-FT	571,700		
WTR YEAR 2001 TOTAL		350,133	MEAN	959	MAX	2,690	MIN	389	AC-FT	694,500		

E indicates estimated discharge.

PLATTE RIVER BASIN (LOUP RIVER)

ORD-NORTH LOUP CANAL from North Loup River, 00109000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								25	25	71	104	67
2								83	23	71	104	60
3								57	21	79	111	59
4								34	21	82	111	58
5								35	23	86	111	60
6								30	24	90	116	61
7								27	26	92	119	51
8								26	23	99	122	37
9								26	23	101	123	24
10								25	23	96	108	13
11								24	24	85	110	13
12								24	24	88	99	16
13								25	22	86	86	8.1
14								27	22	83	95	0
15								26	23	83	64	0
16								22	20	85	30	0
17								22	24	91	25	0
18								26	22	99	24	0
19								24	20	111	24	0
20								27	21	115	28	0
21								26	23	115	44	0
22								23	30	115	55	0
23								22	32	116	75	0
24								27	32	102	89	0
25								25	33	92	91	0
26								25	38	84	89	0
27								24	44	79	88	0
28								23	56	80	88	0
29					-----			23	65	80	89	0
30					-----			25	72	83	86	0
31		-----			-----		-----	25	-----	97	73	-----
TOTAL								883	879	2,836	2,581	527.1
MEAN								28.5	29.3	91.5	83.3	17.6
MAX								83	72	116	123	67
MIN								22	20	71	24	0
AC-FT								1,750	1,740	5,630	5,120	1,050
CAL YEAR 2000	MAX	128	MIN	0	AC-FT	18,450						
WTR YEAR 2001	MAX	123	MIN	0	AC-FT	15,290						

PLATTE RIVER BASIN (LOUP RIVER)

MIRA CREEK near North Loup, 06788898 - 2001

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.--65.1 Square miles.

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

PERIOD OF RECORD.--1979 - present

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1993. Records are 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 503 cubic feet per second April 23, gage height 4.62 feet; minimum daily discharge 0.27 cubic feet per second October 16.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.32	.83	1.4	1.4	1.4	3.0	6.2	9.2	7.8	4.0	7.7	9.0
2	.32	.84	1.5	1.5	2.0	3.3	5.9	10	6.3	4.9	7.6	9.3
3	.30	.83	1.5	1.2	2.3	3.7	7.6	9.7	6.2	5.6	8.2	8.7
4	.32	1.0	1.5	1.3	2.4	5.2	7.9	13	6.1	5.9	8.7	8.2
5	.35	1.3	1.5	1.7	2.6	5.5	7.1	65	6.4	7.2	8.2	7.7
6	.37	1.4	1.2	2.2	3.4	4.7	7.4	69	6.6	6.8	7.7	8.1
7	.35	1.5	1.2	2.9	3.8	4.7	41	41	6.4	6.7	6.8	13
8	.32	1.0	1.6	2.8	3.8	11	12	23	5.8	7.0	6.6	18
9	.31	1.0	1.7	2.6	8.5	16	9.6	19	5.0	6.7	6.5	16
10	.28	.95	1.3	2.5	8.4	15	8.6	16	4.8	6.1	6.4	12
11	.28	.81	1.7	3.0	8.8	6.4	44	14	4.7	9.7	7.4	9.0
12	.29	1.5	1.8E	2.8	4.8	8.5	29	13	4.6	29	7.7	7.1
13	.31	1.7	1.9E	2.8	3.3	73	24	11	4.3	31	9.4	5.7
14	.32	1.7	1.8	2.6	2.5	294	19	11	4.8	22	9.9	5.8
15	.31	1.6	1.7	4.1	2.3	294	16	9.1	4.8	16	21	7.4
16	.27	1.4	1.7E	3.3	2.3	83	13	4.5	5.1	11	88	11
17	.32	1.4	1.8E	3.5	2.1	38	11	3.4	5.1	8.0	39	12
18	.31	1.2	1.8	4.1	1.8	27	9.7	2.8	5.3	7.1	19	11
19	.37	1.1	2.6	6.0	1.8	21	14	2.4	5.7	7.1	13	7.9
20	.37	1.2	2.0	8.8	2.1	18	13	2.7	5.7	6.7	9.3	5.8
21	.37	1.4	2.0	3.6	2.3	16	17	2.9	5.2	6.1	6.7	5.0
22	.50	1.3	2.2	2.1	2.2	15	106	2.8	5.1	6.2	6.8	4.1
23	.60	1.3	2.1	2.0	2.3	14	287	2.9	5.0	7.2	6.5	3.6
24	.52	1.2	1.9	1.8	2.4	12	120	2.9	4.5	9.7	6.0	2.6
25	.48	1.2	1.9	2.3	2.6	10	51	2.9	3.8	23	6.2	2.0
26	.43	1.2	1.5	2.7	2.8	9.2	33	3.4	3.1	26	6.3	1.9
27	.37	1.2	1.2	2.2	2.8	8.6	25	3.3	3.0	19	6.1	1.8
28	.50	1.2	1.2	2.1	2.7	8.0	19	4.3	3.1	14	5.3	1.7
29	1.0	1.4	1.5	2.0	-----	7.6	15	4.2	3.3	11	5.8	1.7
30	1.7	1.4	1.5	1.3	-----	7.2	12	5.7	3.7	9.6	5.9	1.6
31	.92	-----	1.5	1.1	-----	7.2	-----	8.4	-----	7.8	6.4	-----
TOTAL	13.78	37.06	51.7	84.3	90.5	1,049.8	991.0	392.5	151.3	348.1	366.1	218.7
MEAN	.44	1.24	1.67	2.72	3.23	33.9	33.0	12.7	5.04	11.2	11.8	7.29
MAX	1.7	1.7	2.6	8.8	8.8	294	287	69	7.8	31	88	18
MIN	.27	.81	1.2	1.1	1.4	3.0	5.9	2.4	3.0	4.0	5.3	1.6
AC-FT	27	74	103	167	180	2,080	1,970	779	300	690	726	434
CAL YEAR 2000 TOTAL		1,199.65	MEAN	3.28	MAX	49	MIN	.27	AC-FT	2,380		
WTR YEAR 2001 TOTAL		3,794.84	MEAN	10.4	MAX	294	MIN	.27	AC-FT	7,530		

E indicates estimated discharge.

PLATTE RIVER BASIN (LOUP RIVER)

CEDAR RIVER near Spalding, 06791500 - 2001

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 fair, 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 866 cubic feet per second on April 26, gage height 4.47 feet; minimum daily discharge 105 cubic feet per second estimated December 27.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150	230	170E	120E	150E	160E	211	290E	195E	160	148	179
2	146	233	160E	130E	150E	165E	206	296E	205E	212	147	175
3	148	232	170E	140E	145E	170E	215E	350E	190E	210	150	173
4	148	189	180E	150E	155E	170E	225E	450E	205E	191	151	171
5	156	241	180E	170E	160E	175E	220E	560E	210E	179	139	169
6	156	213	190E	190E	165E	180E	235E	620E	205E	171	130	171
7	156	201	200E	210E	160E	180E	280E	600E	200E	164	128	170E
8	154	195	190E	190E	150E	185E	270E	560E	185	164	129	175E
9	157	192	195E	166E	145E	190E	320E	600E	180	184	125	180E
10	161	188	190E	170E	150E	195E	450E	580E	167	179	124	190E
11	163	180E	185E	175E	155E	205E	580E	500E	164	174	125	180E
12	166	170E	190E	170E	160E	220E	520E	450E	173	181	125	170E
13	166	160E	190E	165E	155E	240E	470E	400E	171	176	132	160E
14	164	150E	180E	165E	160E	270E	430E	300E	182	175	142	170E
15	162	140E	170E	160E	160E	300E	440E	250E	183	168	222	190E
16	161	150E	160E	165E	150E	330E	420E	230E	171	162	287	290E
17	157	160E	140E	160E	150E	366	400E	250E	165	155	285	260E
18	156	155E	130E	160E	145E	330	370E	270E	159	142	259	245E
19	158	160E	125E	155E	150E	305	340E	280E	151	139	207	249
20	129	155E	125E	150E	150E	283	320E	270E	145	148	181	234
21	147	160E	120E	160E	155E	271	300E	250E	153	148	166	220
22	152	160E	120E	165E	160E	256	360E	240E	156	144	163	215
23	153	160E	115E	155E	165E	239	430E	230E	156	138	162	210
24	158	165E	115E	150E	165E	215E	540E	220E	154	167	183	197
25	215	160E	110E	155E	160E	200E	700E	220E	151	154	272	191
26	198	160E	110E	150E	160E	190E	620E	230E	146	148	312	188
27	181	170E	105E	160E	155E	180E	520E	220E	150	143	264	188
28	178	160E	110E	155E	155E	170	400E	220E	149	138	216	188
29	203	165E	115E	155E	-----	203	290E	210E	146	136	191	186
30	239	165E	110E	160E	-----	207	220E	200E	149	132	178	183
31	227	-----	110E	155E	-----	208	-----	190E	-----	130	181	-----
TOTAL	5,165	5,319	4,660	4,981	4,340	6,958	11,302	10,536	5,116	5,012	5,624	5,867
MEAN	167	177	150	161	155	224	377	340	171	162	181	196
MAX	239	241	200	210	165	366	700	620	210	212	312	290
MIN	129	140	105	120	145	160	206	190	145	130	124	160
AC-FT	10,240	10,550	9,240	9,880	8,610	13,800	22,420	20,900	10,150	9,940	11,160	11,640
CAL YEAR 2000 TOTAL		62,545	MEAN	171	MAX	278	MIN	105	AC-FT	124,100		
WTR YEAR 2001 TOTAL		74,880	MEAN	205	MAX	700	MIN	105	AC-FT	148,500		

E indicates estimated discharge.

PLATTE RIVER BASIN (LOUP RIVER)

CEDAR RIVER near Fullerton, 06792000 - 2001

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 fair, 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 1,900 cubic feet per second March 14, gage height 5.52 feet; minimum daily discharge 75 cubic feet per second August 10.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	168	416	190E	150E	210E	245E	309	285	320	188	121	160
2	164	331	180E	170E	230E	250E	303	282	324	218	131	167
3	165	317	170E	200E	250E	260E	325	456	304	277	127	166
4	190	296	155E	250E	260E	260E	334	624	310	275	112	136
5	178	275	150E	210E	270E	260E	328	813	316	245	101	142
6	175	348	145E	280E	260E	260E	346	1,070	313	214	97	171
7	182	337	145E	270E	240E	280E	414	812	310	200	90	172
8	186	275	140E	260E	235E	290E	399	769	286	158	90	187
9	191	252	130E	245E	230E	320E	479	910	273	177	91	208
10	190	251	135E	240E	230E	370E	694	834	257	214	75	204
11	190	261	140E	245E	235E	500E	774	674	253	212	77	200
12	193	240E	140E	250E	240E	800E	908	543	235	198	89	200
13	196	220E	142E	245E	260E	1,300E	617	486	262	204	90	185
14	194	200E	140E	240E	260E	1,900E	508	453	259	197	103	192
15	193	185E	145E	240E	260E	1,000E	664	322	237	193	179	562
16	195	175E	145E	250E	260E	700E	673	257	266	185	216	507
17	205	180E	150E	245E	260E	570	466	287	259	177	290	400
18	205	185E	140E	250E	250E	538	424	326	251	154	346	382
19	198	190E	145E	250E	250E	490	397	336	214	131	323	320
20	198	195E	140E	240E	260E	409	373	312	238	142	254	272
21	185	195E	150E	250E	260E	445	349	299	204	124	216	241
22	163	195E	145E	260E	260E	471	440	283	237	140	187	227
23	192	200E	140E	270E	260E	526	1,070	275	251	110	171	211
24	197	200E	145E	260E	260E	446	514	272	185	104	156	204
25	195	210E	150E	250E	260E	398	632	255	196	173	169	198
26	217	200E	145E	250E	250E	358	1,170	273	202	186	212	193
27	269	210E	145E	260E	240E	341	1,020	271	191	134	324	188
28	235	200E	150E	260E	235E	330	766	270	175	135	278	185
29	244	190E	140E	250E	-----	322	553	266	149	134	215	165
30	367	185E	145E	250E	-----	314	457	261	162	135	184	181
31	528	-----	135E	240E	-----	318	-----	313	-----	124	170	-----
TOTAL	6,548	7,114	4,557	7,530	6,975	15,271	16,706	13,889	7,439	5,458	5,284	6,926
MEAN	211	237	147	243	249	493	557	448	248	176	170	231
MAX	528	416	190	280	270	1,900	1,170	1,070	324	277	346	562
MIN	163	175	130	150	210	245	303	255	149	104	75	136
AC-FT	12,990	14,110	9,040	14,940	13,830	30,290	33,140	27,550	14,760	10,830	10,480	13,740
CAL YEAR 2000 TOTAL		80,790	MEAN	221	MAX	528	MIN	55	AC-FT	160,200		
WTR YEAR 2001 TOTAL		103,697	MEAN	284	MAX	1,900	MIN	75	AC-FT	205,700		

E indicates estimated discharge.

PLATTE RIVER BASIN (LOUP RIVER)

BEAVER CREEK at Loretto, 06793500 - 2001

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 826 cubic feet per second May 7, gage height 5.04 feet; minimum daily discharge 21 cubic feet per second August 9.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	105	86	50E	56E	80E	118	113	108	60	43	32E
2	42	92	77	56E	40E	101	114	125	85	189	41	30E
3	43	89	76	80E	60E	104	114	149	76	134	35	28E
4	45	86	71	100E	80E	104	120	171	73	76	33	26E
5	46	84	62E	150E	88E	103	120	402	76	65	32	26E
6	48	82	60E	189	88	97	121	696	80	56	28	25E
7	49	78	62E	185	86	89	168	800	76	50	26	25E
8	50	73	74	160	77	106	230	583	68	51	23	24E
9	51	64	77	119	49	143	229	371	66	59	21	27E
10	53	59	70E	104	46E	188	181	242	61	56	22	26E
11	52	56E	50E	95	42E	162	246	181	58	56	26	25E
12	51	52E	40E	90	46E	129	444	158	54	53	28	24E
13	50	50E	42E	82	50E	235	457	149	54	51	29	24E
14	49	45E	44E	81	66E	476	371	134	52	46	37	100E
15	49	45E	47E	70	60E	448	246	114	58	44	115	737
16	48	43E	48E	73	50E	383	166	101	53	41	152	674
17	50	42E	45E	73	52E	286	135	90	52	56	103	271
18	51	42E	48E	70	50E	248	127	85	50	55	74	170E
19	51	42E	45E	49	56E	205	114	81	45	41	62	100E
20	49	59E	49E	45E	52E	206	106	85	44	35	58	81
21	50	56E	52E	40E	46E	214	106	82	47	32	56	74
22	50	52E	49E	42E	46E	189	193	77	49	31	54	70
23	58	52E	47E	40E	52E	177	618	70	48	28	51	68
24	59	58E	46E	44E	50E	158	737	68	45	36	49	67
25	60	60E	45E	39E	46E	141	543	68	40	40	53	66
26	55	58E	45E	43E	50E	127	325	66	38	39	56	65
27	54	58E	44E	40E	60E	121	206	64	49	40	48	65
28	57	64E	48E	45E	70E	116	164	61	46	41	42	64
29	112	70E	52E	50E	-----	114	141	61	39	40	39	62
30	193	91	50E	54E	-----	111	120	70	40	32	36	62
31	149	-----	48E	56E	-----	113	-----	111	-----	31	34E	-----
TOTAL	1,865	1,907	1,699	2,414	1,614	5,474	7,080	5,628	1,730	1,664	1,506	3,138
MEAN	60.2	63.6	54.8	77.9	57.6	177	236	182	57.7	53.7	48.6	105
MAX	193	105	86	189	88	476	737	800	108	189	152	737
MIN	41	42	40	39	40	80	106	61	38	28	21	24
AC-FT	3,700	3,780	3,370	4,790	3,200	10,860	14,040	11,160	3,430	3,300	2,990	6,220
CAL YEAR 2000 TOTAL		25,005	MEAN	68.3	MAX	810	MIN	22	AC-FT	49,600		
WTR YEAR 2001 TOTAL		35,719	MEAN	97.9	MAX	800	MIN	21	AC-FT	70,850		

E indicates estimated discharge.

PLATTE RIVER BASIN (ELKHORN RIVER)

ELKHORN RIVER near Atkinson, 06796973 - 2001

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

DRAINAGE AREA.--Undetermined.

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

PERIOD OF RECORD.--1982 - present

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

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 4,060 cubic feet per second May 29, 1995, gage height 9.27 feet; minimum daily discharge 0.15 cubic feet per second August 30, 2000.

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,260 cubic feet per second April 24, gage height 8.29 feet; minimum daily discharge 1.8 cubic feet per second October 7.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.2	24	16 E	11E	19E	21E	81	305	94	46	24	18
2	2.2	20	15 E	12E	18E	23E	79	283	87	73	33	19
3	3.5	18	14 E	13E	20E	27E	81	235	81	77	31	18
4	2.8	18	13 E	12E	22E	30E	102	207	75	70	30	16
5	2.4	16	12 E	12E	22E	35E	123	410	79	62	27	14
6	2.0	16	14 E	12E	21E	40E	123	1,160	79	55	22	11
7	1.8	12E	11 E	11E	21E	50E	486	1,520	82	55	19	19
8	2.0	11E	12 E	12E	20E	60E	1,080	1,290	78	57	16	19
9	2.1	10E	9.0E	13E	19E	80E	740	993	75	56	14	19
10	3.1	11E	7.0E	12E	19E	100E	524	780	72	53	13	19
11	4.3	11E	5.0E	13E	20E	150E	421	598	68	50	13	19
12	4.8	12E	5.4E	14E	21E	190E	799	462	64	49	12	18
13	5.5	11E	5.6E	14E	22E	218	1,320	350	62	49	13	20
14	4.9	11E	6.0E	15E	23E	254	1,040	273	67	49	16	30
15	5.5	12E	6.4E	14E	22E	446	832	219	65	46	20	31
16	6.0	12E	6.0E	14E	21E	297	646	185	63	44	19	35
17	6.0	11E	6.4E	15E	22E	238	466	161	61	43	18	33
18	6.6	12E	6.6E	16E	22E	242	346	141	58	41	16	30
19	7.3	12E	6.8E	14E	24E	216	270	127	51	38	13	29
20	7.1	13E	7.4E	17E	23E	191	223	119	47	34	12	29
21	7.2	13E	7.8E	19E	22E	163	195	107	44	31	12	26
22	8.5	13E	8.4E	20E	23E	141	353	98	43	32	11	26
23	12	14E	9.0E	21E	22E	133	1,700	89	38	32	16	23
24	11	15E	10 E	21E	22E	131	2,130	83	38	31	44	22
25	9.8	15E	11 E	21E	23E	126	1,440	80	35	29	31	22
26	9.6	15E	10 E	20E	23E	115	981	77	33	28	26	22
27	8.9	16E	9.2E	21E	22E	102	734	74	33	27	23	22
28	9.1	16E	10 E	20E	20E	95	530	71	31	27	21	23
29	11	17E	11 E	21E	-----	89	371	68	29	24	21	22
30	14	16E	12 E	20E	-----	86	304	78	28	23	24	23
31	12	-----	11 E	19E	-----	83	-----	91	-----	21	20	-----
TOTAL	195.2	423	294.0	489	598	4,172	18,520	10,734	1,760	1,352	630	677
MEAN	6.30	14.1	9.48	15.8	21.4	135	617	346	58.7	43.6	20.3	22.6
MAX	14	24	16	21	24	446	2,130	1,520	94	77	44	35
MIN	1.8	10	5.0	11	18	21	79	68	28	21	11	11
AC-FT	387	839	583	970	1,190	8,280	36,730	21,290	3,490	2,680	1,250	1,340
CAL YEAR 2000 TOTAL		8,302.86	MEAN	22.7	MAX	71	MIN	.15	AC-FT	16,470		
WTR YEAR 2001 TOTAL		39,844.20	MEAN	109	MAX	2,130	MIN	1.8	AC-FT	79,030		

E indicates estimated discharge.

PLATTE RIVER BASIN (ELKHORN RIVER)

SOUTH FORK ELKHORN RIVER near Ewing, 06798000 - 2001

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

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

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

PERIOD OF RECORD.--Oct. 1977 - present

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,860 cubic feet per second on April 24, gage height 4.37 feet; minimum daily discharge 25 cubic feet per second on August 8, 11, 13.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	47	50E	33E	46E	52E	69	123	76	47	32	30
2	29	47	50E	33E	45E	72E	66	139	78	56	36	30
3	31	47	50E	33E	44E	92E	67	128	78	72	34	30
4	32	47E	50E	34E	46E	74	64	130	73	74	31	29
5	31	47E	50E	34E	47E	57	68	246	74	64	28	29
6	32	47E	50E	34E	48E	50	78	765	72	57	28	31
7	32	47E	50E	34E	48E	43	107	1,140	68	53	26	33
8	33	48E	49E	34E	48E	43	335	774	62	50	25	33
9	33	48E	45E	34E	48E	47	487	484	61	53	27	36
10	33	48E	43E	34E	47E	50	270	290	63	53	26	33
11	31	48E	39E	36E	45E	54	265	203	62	50	25	32
12	30	47E	36E	39E	46E	59	416	173	59	47	26	33
13	30	47E	33E	42E	47E	60	545	149	58	46	25	41
14	29	46E	30E	43E	48E	75	456	120	55	43	44	58
15	30	46E	29E	43E	48E	87	263	100	61	42	75	61
16	31	47E	27E	43E	47E	108	171	91	55	47	37	53
17	33	47E	27E	43E	46E	284	143	81	54	47	34	47
18	31	48E	27E	42E	46E	209	141	72	52	49	33	48
19	33	48E	27E	44E	46E	166	135	71	49	42	30	47
20	33	47E	27E	43E	46E	148	114	71	49	38	29	45E
21	35	47E	27E	42E	46E	138	112	62	49	37	29	45E
22	35	49E	27E	43E	46E	124	156	59	49	38	29	43E
23	37	49E	27E	44E	47E	114	648	58	47	38	31	42E
24	42	50E	27E	46E	47E	106	1,610	61	46	39	31	43E
25	36	50E	27E	45E	47E	92	956	61	42	41	31	43
26	37	49E	28E	44E	46E	85	557	59	42	40	31	41
27	38	49E	28E	44E	46E	77	323	55	45	40	30	41
28	38	49E	28E	44E	48E	74	224	53	41	40	32	39
29	52	50E	29E	45E	-----	72	170	56	42	35	33	38
30	54	50E	30E	46E	-----	70	135	72	42	35	30	37
31	45	-----	31E	46E	-----	71	-----	85	-----	33	30	-----
TOTAL	1,073	1,436	1,098	1,244	1,305	2,853	9,151	6,031	1,704	1,446	988	1,191
MEAN	34.6	47.9	35.4	40.1	46.6	92.0	305	195	56.8	46.6	31.9	39.7
MAX	54	50	50	46	48	284	1,610	1,140	78	74	75	61
MIN	27	46	27	33	44	43	64	53	41	33	25	29
AC-FT	2,130	2,850	2,180	2,470	2,590	5,660	18,150	11,960	3,380	2,870	1,960	2,360
CAL YEAR 2000 TOTAL		16,094	MEAN	44.0	MAX	115	MIN	22	AC-FT	31,920		
WTR YEAR 2001 TOTAL		29,520	MEAN	80.9	MAX	1,610	MIN	25	AC-FT	58,550		

E indicates estimated discharge.

PLATTE RIVER BASIN (ELKHORN RIVER)

ELKHORN RIVER at Neligh, 06798500 - 2001

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 7,440 cubic feet per second April 25, gage height 8.73 feet; minimum daily discharge 69 cubic feet per second October 1-2.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	214	135E	104E	170E	210E	450	624	545	266	152	125
2	69	222	130E	110E	190E	220E	436	630	514	304	179	124
3	73	215	130E	116E	210E	215E	441	586	484	380	201	121
4	78	212	130E	130E	200E	210E	437	553	455	404	183	118
5	83	213	125E	150E	210E	215	434	970	443	364	170	118
6	86	210E	130E	160E	195E	214	479	2,700	430	327	161	113
7	90	190E	135E	160E	190E	211	697	4,030	420	305	150	141
8	92	170E	130E	150E	180E	235	1,340	4,130	397	306	145E	148
9	95	170E	125E	160E	170E	248	1,970	3,320	382	297	140E	140
10	99	160E	114E	170E	160E	265	2,110	2,270	393	272	140E	133
11	97	150E	110E	160E	170E	300	1,980	1,540	380	268	135E	125
12	97	130E	106E	175E	175E	266	2,970	1,200	359	264	135E	119
13	99	135E	104E	165E	180E	298	3,020	952	334	256	135E	125
14	101	145E	104E	160E	160E	524	2,800	831	351	239	137	176
15	103	135E	108E	145E	175E	779	2,500	732	339	222	510	245
16	104	120E	106E	145E	160E	655	1,820	632	318	238	420	257
17	104	105E	106E	145E	170E	1,060	1,350	553	301	554	259	240
18	108	115E	104E	150E	180E	1,240	998	472	280	300	218	230
19	109	120E	110E	135E	190E	1,300	762	441	271	257	196	211
20	107	125E	110E	150E	180E	1,330	630	420	261	229	176	205
21	111	130E	106E	160E	180E	1,160	560	392	246	212	161	194
22	118	125E	102E	150E	190E	995	746	354	231	204	158	185
23	136	125E	104E	160E	190E	959	2,730	338	218	203	152	183
24	146	135E	102E	160E	200E	844	5,310	315	203	220	152	172
25	145	130E	102E	150E	210E	718	7,010	297	192	226	154	171
26	145	140E	104E	160E	185E	640E	4,760	286	212	205	161	166
27	144	150E	110E	165E	175E	540E	2,630	273	219	199	157	165
28	152	155E	108E	170E	190E	480E	1,610	270	189	189	146	162
29	174	150E	108E	160E	-----	449	1,030	271	183	179	132	157
30	249	140E	106E	150E	-----	465	745	321	212	167	127	156
31	227	-----	104E	160E	-----	475	-----	462	-----	156	126	-----
TOTAL	3,610	4,636	3,508	4,685	5,135	17,720	54,755	31,165	9,762	8,212	5,568	4,925
MEAN	116	155	113	151	183	572	1,825	1,005	325	265	180	164
MAX	249	222	135	175	210	1,330	7,010	4,130	545	554	510	257
MIN	69	105	102	104	160	210	434	270	183	156	126	113
AC-FT	7,160	9,200	6,960	9,290	10,190	35,150	108,600	61,820	19,360	16,290	11,040	9,770
CAL YEAR 2000 TOTAL		64,726	MEAN	177	MAX	629	MIN	47	AC-FT	128,400		
WTR YEAR 2001 TOTAL		153,681	MEAN	421	MAX	7,010	MIN	69	AC-FT	304,800		

E indicates estimated discharge.

PLATTE RIVER BASIN (ELKHORN RIVER)

WILLOW CREEK near Foster, 06799080 - 2001

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 fair, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 162 cubic feet per second May 8, gage height 6.60 feet; minimum daily discharge 7.5 cubic feet per second estimated October 3.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.3	12	10 E	9.0E	10 E	8.6E	25	18	23	17	17	14
2	8.4	11	11 E	9.2E	9.4E	8.6E	24	24	22	24	17	13
3	7.5E	10	13 E	9.2E	10 E	9.0E	26	30	20	30	18	13
4	7.6E	11	15 E	9.3E	11 E	11 E	26	39	21	31	19	12
5	7.6E	12	11 E	9.6E	10 E	10 E	26	79	21	35	20	12
6	7.8E	18	13 E	10 E	12 E	10 E	25	132	20	37	20	11
7	8.0E	14	15 E	9.6E	13 E	11 E	37	153	19	34	19	13
8	8.2E	12	13 E	9.8E	12 E	10 E	47	152	18	30	17	12
9	8.6E	11 E	14 E	9.8E	10 E	10 E	41	79	17	27	16	12
10	8.8E	11 E	11 E	10 E	10 E	11 E	30	46	18	26	16E	11
11	9.0E	10 E	10 E	10 E	11 E	10 E	65	33	18	25	15E	10
12	9.0E	10 E	9.2E	10 E	11 E	11 E	107	28	18	23	14E	10
13	9.2E	9.8E	9.4E	9.8E	12 E	15 E	120	25	18	21	13E	10
14	9.2E	9.0E	9.6E	9.8E	11 E	40 E	73	22	18	20	12E	15
15	9.4E	9.0E	10 E	9.8E	11 E	80 E	49	19	17	19	47	19
16	9.4E	8.4E	9.8E	9.6E	10 E	67 E	35	18	17	20	77	19
17	9.6	8.4E	9.6E	9.8E	10 E	50 E	28	17	16	24	105	19
18	9.6	8.6E	9.4E	10 E	11 E	49	24	17	16	37	131	18
19	9.8	9.0E	9.2E	9.6E	12 E	41	22	16	15	43	117	19
20	9.6	8.6E	10 E	10 E	11 E	40	20	18	15	52	57	17
21	10	8.6E	9.8E	10 E	10 E	37	22	18	16	46	35	15
22	11	8.6E	9.8E	11 E	10 E	33	32	18	15	34	28	14
23	11	9.0E	9.6E	11 E	9.6E	38	110	17	15	26	24	13
24	11	11 E	9.4E	10 E	10 E	39	141	17	15	25	21	12
25	12	10 E	9.4E	10 E	10 E	42	124	17	15	23	20	11
26	11	8.6E	9.2E	11 E	9.8E	35	62	16	16	22	17	11
27	10	11 E	9.4E	11 E	9.4E	31	39	16	17	21	17	10
28	11	13 E	9.6E	11 E	9.0E	28	29	16	16	20	16	9.9
29	15	12 E	9.8E	10 E	-----	26	23	15	16	20	15	9.7
30	17	11 E	9.4E	10 E	-----	25	20	18	16	19	16	9.6
31	12	-----	9.0E	10 E	-----	26	-----	24	-----	18	15	-----
TOTAL	305.6	315.6	326.6	308.9	295.2	862.2	1,452	1,157	524	849	991	394.2
MEAN	9.86	10.5	10.5	9.96	10.5	27.8	48.4	37.3	17.5	27.4	32.0	13.1
MAX	17	18	15	11	13	80	141	153	23	52	131	19
MIN	7.5	8.4	9.0	9.0	9.0	8.6	20	15	15	17	12	9.6
AC-FT	606	626	648	613	586	1,710	2,880	2,290	1,040	1,680	1,970	782
CAL YEAR 2000 TOTAL		5,695.20	MEAN	15.6	MAX	143	MIN	5.6	AC-FT	11,300		
WTR YEAR 2001 TOTAL		7,781.30	MEAN	21.3	MAX	153	MIN	7.5	AC-FT	15,430		

E indicates estimated discharge.

PLATTE RIVER BASIN (ELKHORN RIVER)

WILLOW CREEK RESERVOIR from Willow Creek, 00410300 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,960	5,190	5,600	5,820	6,260	6,580	7,310	7,410	7,180	6,890	6,970	7,030
2	4,960	5,180	5,630	5,820	6,270	6,540	7,320	7,410	7,180	6,980	6,950	7,010
3	4,960	5,160	5,650	5,870	6,270	6,560	7,320	7,400	7,180	7,040	6,940	6,990
4	4,940	5,180	5,670	5,880	6,270	6,560	7,320	7,710	7,150	7,080	6,910	6,960
5	4,950	5,200	5,670	5,910	6,270	6,620	7,320	7,630	7,190	7,100	6,890	6,950
6	4,950	5,250	5,680	5,910	6,280	6,620	7,320	7,840	7,200	7,130	6,880	6,920
7	4,940	5,280	5,720	5,910	6,280	6,630	7,380	7,980	7,190	7,150	6,860	6,920
8	4,930	5,300	5,720	5,940	6,280	6,650	7,390	8,080	7,180	7,160	6,850	6,890
9	4,930	5,300	5,720	5,940	6,280	6,650	7,410	8,020	7,180	7,160	6,790	6,890
10	4,930	5,310	5,720	5,970	6,280	6,650	7,400	7,890	7,220	7,140	6,760	6,890
11	4,930	5,310	5,720	5,970	6,270	6,660	7,540	7,780	7,200	7,130	6,740	6,870
12	4,950	5,370	5,710	5,990	6,340	6,710	7,720	7,680	7,200	7,110	6,700	6,870
13	4,940	5,370	5,720	5,990	6,340	6,760	7,820	7,610	7,180	7,100	6,680	6,870
14	4,950	5,370	5,720	5,980	6,340	6,860	7,820	7,530	7,170	7,070	6,660	6,880
15	4,940	5,380	5,720	6,000	6,400	7,010	7,690	7,450	7,140	7,040	7,010	6,970
16	4,960	5,380	5,720	6,020	6,400	7,200	7,630	7,380	7,130	7,040	7,160	7,010
17	4,960	5,430	5,720	6,060	6,400	7,350	7,540	7,320	7,120	7,070	7,280	7,010
18	4,970	5,440	5,720	6,060	6,420	7,380	7,510	7,270	7,070	7,090	7,400	7,030
19	4,970	5,450	5,720	6,090	6,460	7,450	7,470	7,260	7,050	7,100	7,530	7,050
20	4,960	5,450	5,730	6,140	6,410	7,470	7,410	7,230	7,040	7,140	7,540	7,050
21	4,970	5,490	5,740	6,150	6,410	7,470	7,380	7,200	7,010	7,170	7,500	7,040
22	4,970	5,490	5,670	6,140	6,500	7,450	7,410	7,180	7,010	7,170	7,430	7,030
23	4,990	5,510	5,710	6,160	6,500	7,440	7,540	7,140	7,000	7,140	7,350	7,010
24	5,010	5,550	5,710	6,160	6,500	7,450	7,710	7,130	6,980	7,130	7,310	6,990
25	5,040	5,550	5,740	6,160	6,510	7,450	7,850	7,130	6,940	7,110	7,250	6,980
26	5,040	5,560	5,740	6,160	6,510	7,410	7,800	7,110	6,930	7,080	7,200	6,980
27	5,030	5,580	5,830	6,160	6,510	7,410	7,710	7,090	6,930	7,070	7,150	6,980
28	5,020	5,600	5,820	6,160	6,540	7,380	7,620	7,100	6,910	7,040	7,120	6,970
29	5,100	5,600	5,820	6,160	-----	7,360	7,530	7,100	6,900	7,010	7,100	6,960
30	5,150	5,600	5,820	6,190	-----	7,360	7,470	7,100	6,890	7,000	7,080	6,960
31	5,150	-----	5,820	6,240	-----	7,350	-----	7,180	-----	6,970	7,050	-----
MAX	5,150	5,600	5,830	6,240	6,540	7,470	7,850	8,080	7,220	7,170	7,540	7,050
MIN	4,930	5,160	5,600	5,820	6,260	6,540	7,310	7,090	6,890	6,890	6,660	6,870
CHANGE	181	447	225	420	294	809	129	-290	-297	81	82	-95
CAL YEAR 2000			MEAN	6,385	MAX	7,930	MIN	4,930				
WTR YEAR 2001			MEAN	6,559	MAX	8,080	MIN	4,930				

**PLATTE RIVER BASIN
(ELKHORN RIVER)**

WILLOW CREEK near Pierce, 00232500 - 2001

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

DRAINAGE AREA.--210 square miles.

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

PERIOD OF RECORD.--1983 - present

REMARKS.--Records are good, 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 150 cubic feet per second May 9, gage height 4.93 feet; minimum daily
discharge 2.8 cubic feet per second, August 13-14.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	4.6	4.4	5.0E	5.1	5.6	40	48	25	7.5	11	13
2	5.6	4.6	4.4	5.0E	5.1E	5.4	38	48	25	11	9.5	11
3	5.7	4.6	4.7	5.0E	5.2E	5.3	36	45	24	16	8.6	10
4	5.9	4.6	4.9	5.0E	5.3E	5.4	35	46	23	18	7.9	8.4
5	6.1	4.6	4.9	5.1	5.4E	5.6	34	64	23	20	7.1	6.9
6	5.9	4.6	4.9	5.1	5.5E	5.6	34	97	23	22	5.0	5.3
7	5.9	4.7	4.9	5.1	5.6E	5.6	45	120	24	24	4.4	7.1
8	5.9	4.6	4.9	4.9	5.7	5.7	41	138	24	26	4.0	7.0
9	5.8	4.6	4.8	4.9	5.4	5.9	43	141	24	27	3.9	6.7
10	5.7	4.6	4.6	5.0	5.3	5.8	43	116	26	26	3.7	5.9
11	5.8	4.6	4.7	5.3	5.1	5.3	54	98	27	25	3.5	5.7
12	5.6	4.6	4.7E	5.3	5.0	5.6	77	84	26	23	3.1	5.1
13	5.6	4.6	4.7E	5.3	5.1	5.6	88	74	26	22	2.8	4.9
14	5.3	3.8	4.8E	5.3	5.1	5.9	97	65	26	20	2.8	6.3
15	5.2	3.7	4.8E	5.1	5.0	14	89	57	24	17	5.8	9.7
16	5.3	3.6	4.8E	5.1	4.9	27	78	49	22	16	18	12
17	5.1	3.5	4.8E	5.1	4.7	38	67	41	21	18	27	13
18	5.2	3.6	4.8E	5.1	4.9	47	59	36	20	18	36	13
19	5.1	3.7	4.9E	5.1	5.0	51	52	31	17	21	46	14
20	5.1	3.7	4.9E	5.2	5.0	52	47	29	16	23	54	15
21	5.0	3.7	4.9E	5.1	5.1	53	40	27	15	27	52	15
22	5.0	3.7	4.9E	5.0	5.4	50	39	25	14	28	47	15
23	4.9	3.7	4.9E	5.1	5.3	50	56	23	13	27	41	14
24	5.1	3.7	4.9E	5.1	5.5	52	72	21	12	26	36	13
25	4.9	3.7	4.9E	5.1	5.6	52	93	21	11	24	31	13
26	4.7	3.7	4.9E	5.3	5.3	50	96	20	9.9	22	28	12
27	4.9	3.7	4.9E	5.3	5.3	49	86	19	9.1	20	24	11
28	4.8	3.9	4.9E	5.2	5.6	45	74	18	8.5	19	21	11
29	4.8	4.2	4.9E	5.1	-----	44	63	18	8.0	17	18	10
30	4.9	4.2	4.9E	5.2	-----	43	54	19	7.6	14	16	9.9
31	4.6	-----	5.0E	5.3	-----	43	-----	23	-----	12	15	-----
TOTAL	165.3	123.7	149.3	158.8	146.5	838.3	1,770	1,661	574.1	636.5	593.1	303.9
MEAN	5.33	4.12	4.82	5.12	5.23	27.0	59.0	53.6	19.1	20.5	19.1	10.1
MAX	6.1	4.7	5.0	5.3	5.7	53	97	141	27	28	54	15
MIN	4.6	3.5	4.4	4.9	4.7	5.3	34	18	7.6	7.5	2.8	4.9
AC-FT	328	245	296	315	291	1,660	3,510	3,290	1,140	1,260	1,180	603
CAL YEAR 2000 TOTAL		4,735.70	MEAN	12.9	MAX	113	MIN	2.8	AC-FT	9,390		
WTR YEAR 2001 TOTAL		7,120.50	MEAN	19.5	MAX	141	MIN	2.8	AC-FT	14,120		

E indicates estimated discharge.

PLATTE RIVER BASIN (ELKHORN RIVER)

UNION CREEK at Madison, 06799230 - 2001

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 good, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,800 cubic feet per second March 15, gage height 17.77 feet; minimum daily discharge 9.2 cubic feet per second July 15.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	16	21	21	23	21	35	28	53	14	21	14
2	13	14	20	21	22	21	34	137	37	16	17	13
3	13	12	20	21	22	24	38	121	35	305	19	12
4	13	12	20	22	23	27	39	265	35	67	14	11
5	15	23	20	23	24	24	36	873	49	27	14	11
6	14	155	19	26	24	26	48	998	50	16	13	10
7	14	54	20	27	25	26	84	226	36	14	11	12
8	15	24	23	25	25	34	58	78	33	14	9.6	12
9	16	20	22	25	24	42	39	62	29	13	11	12
10	15	18	19	27	24	50	37	51	28	14	11	12
11	16	19	20	28	24	48	268	45	27	15	11	14
12	15	19	20	27	24	65	210	43	27	15	9.5	11
13	15	19	19	27	24	342	63	41	27	13	11	11
14	15	19	18	27	24	1,520	49	38	46	10	14	411
15	15	19	18	25	23	2,020	43	35	45	9.2	177	2,100
16	19	19	18	24	23	329	38	33	27	18	117	2,100
17	15	19	20	23	23	130	35	33	25	652	39	149
18	15	19	20	23	23	92	32	31	23	984	20	41
19	16	20	19	22	23	63	30	33	21	123	16	30
20	13	19	18	21	22	60	31	40	21	37	15	28
21	13	19	17	21	22	79	33	42	21	30	16	27
22	15	19	17	21	22	62	56	34	22	27	15	26
23	15	19	17	20	23	51	148	31	18	25	16	23
24	19	18	18	20	24	52	60	30	16	29	19	23
25	17	19	18	20	23	42	42	29	15	27	20	21E
26	15	20	19	21	22	38	37	29	15	27	16	21E
27	15	20	20	20	22	38	34	28	15	24	16	21E
28	15	21	20	21	21	35	31	29	14	22	15	20E
29	33	21	20	22	-----	34	30	28	11	17	14	20E
30	27	21	20	24	-----	36	28	40	10	17	14	20E
31	20	-----	20	23	-----	35	-----	59	-----	19	13	-----
TOTAL	499	736	600	718	648	5,466	1,746	3,590	831	2,640.2	744.1	5,236
MEAN	16.1	24.5	19.4	23.2	23.1	176	58.2	116	27.7	85.2	24.0	175
MAX	33	155	23	28	25	2,020	268	998	53	984	177	2,100
MIN	13	12	17	20	21	21	28	28	10	9.2	9.5	10
AC-FT	990	1,460	1,190	1,420	1,290	10,840	3,460	7,120	1,650	5,240	1,480	10,390
CAL YEAR 2000 TOTAL		19,718.30	MEAN	53.9	MAX	4,380	MIN	3.7	AC-FT	39,110		
WTR YEAR 2001 TOTAL		23,454.30	MEAN	64.3	MAX	2,100	MIN	9.2	AC-FT	46,520		

E indicates estimated discharge.

PLATTE RIVER BASIN (ELKHORN RIVER)

PEBBLE CREEK at Scribner, 06799385 - 2001

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

DRAINAGE AREA.--203.52 square miles.

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

PERIOD OF RECORD.--1978 - present

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,960 cubic feet per second May 10, gage height 11.64 feet; minimum daily discharge 15 cubic feet per second August 12.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	29	24	16E	30E	30E	56	38	150	51	24	22
2	17	24	23	16E	35E	32E	50	153	100	73	25	23
3	18	22	22E	17E	40E	34E	54	146	88	190	25	23
4	18	22	22E	19E	44E	38E	55	201	91	90	31	23
5	20	23	24E	24E	38E	35E	50	810	147	58	24	23
6	20	48	21E	30E	39E	35E	65	409	98	54	21	23
7	19	45	22E	34E	35E	39E	89	183	82	51	20	45
8	19	31	24E	34E	34E	50E	60	138	75	49	19	43
9	19	28	22E	36E	30E	60E	50	168	72	49	19	28
10	20	27	19E	40E	25E	70E	46	806	90	47	16	26
11	20	27	17E	46E	30E	68E	534	166	70	46	16	25
12	22	27	16E	45E	32E	68	237	128	68	44	15	25
13	21	26	16E	43E	34E	324	107	123	68	42	16	24
14	21	26	17E	41E	35E	1,120	92	104	675	38	17	30
15	20	25E	17E	39E	31E	700	80	94	165	38	92	142
16	20	25E	17E	37E	32E	180	67	85	91	38	99	51
17	21	22E	18E	35E	31E	119	60	77	85	224	29	44
18	22	22E	18E	33E	31E	102	59	70	82	79	23	35
19	20	24E	18E	30E	33E	92	57	68	76	56	21	33
20	20	21E	18E	28E	33E	91	55	107	72	43	21	31
21	21	19E	20E	30E	31E	108	53	208	67	43	21	30
22	23	19E	18E	30E	29E	87	53	92	64	40	21	32
23	23	21E	18E	31E	31E	86	69	76	62	39	20	36
24	22	25E	18E	33E	31E	75	54	69	60	39	21	28
25	23	27	16E	33E	34E	63	48	65	57	38	62	28
26	22	26	16E	35E	32E	56	45	58	56	35	31	28
27	21	25E	17E	34E	30E	59	44	56	60	35	27	27
28	20	25	18E	36E	29E	59	42	57	55	35	24	26
29	23	25	19E	37E	-----	59	39	56	53	32	21	26
30	84	25	18E	37E	-----	54	38	74	52	30	24	26
31	41	-----	16E	36E	-----	64	-----	315	-----	26	22	-----
TOTAL	717	781	589	1,015	919	4,057	2,408	5,200	3,031	1,752	867	1,006
MEAN	23.1	26.0	19.0	32.7	32.8	131	80.3	168	101	56.5	28.0	33.5
MAX	84	48	24	46	44	1,120	534	810	675	224	99	142
MIN	17	19	16	16	25	30	38	38	52	26	15	22
AC-FT	1,420	1,550	1,170	2,010	1,820	8,050	4,780	10,310	6,010	3,480	1,720	2,000
CAL YEAR 2000 TOTAL		16,148	MEAN	44.1	MAX	1,660	MIN	15	AC-FT	32,030		
WTR YEAR 2001 TOTAL		22,342	MEAN	61.2	MAX	1,120	MIN	15	AC-FT	44,320		

E indicates estimated discharge.

PLATTE RIVER BASIN (ELKHORN RIVER)

LOGAN CREEK at Pender, 06799450 - 2001

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

DRAINAGE AREA.--731 square miles.

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

PERIOD OF RECORD.--1965 - present

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 4,530 cubic feet per second March 15, gage height 11.37 feet; minimum daily discharge 73 cubic feet per second October 1.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	189	120E	98E	110E	98E	245	231	307	191	155	109
2	74	119	130	96E	96E	104E	224	313	303	829	152	112
3	75	105	127	100E	130E	110E	224	407	260	2,870	296	111
4	77	98	127	110E	120E	114E	229	429	246	1,110	186	108
5	78	100	120E	120E	120E	120E	224	749	265	440	159	103
6	79	151	110E	110E	104E	140E	227	913	266	354	144	102
7	79	195	132E	120E	104E	160E	338	763	248	313	136	110
8	81	147	120E	124E	109E	176E	358	493	232	393	127	117
9	81	130	110E	118E	102E	200E	278	424	226	679	121	115
10	82	123	110E	130E	100E	220E	252	377	228	467	114	110
11	82	121	100E	135E	106E	240E	602	335	230	314	110	106
12	80	123	96E	140E	108E	260E	762	305	227	282	107	103
13	78	108	100E	160E	109E	274	409	307	248	261	106	103
14	78	108	106E	160E	110E	1,440	327	293	404	240	107	131
15	78	118	110E	150E	108E	3,820	288	273	266	227	394	224
16	79	119	110E	140E	104E	1,960	250	260	233	218	710	228
17	79	124	100E	130E	100E	1,220	229	248	224	442	235	180
18	78	137	100E	120E	110E	842	229	238	221	370	190	156
19	75	132	106E	110E	110E	684	231	239	211	231	174	145
20	74	100E	110E	100E	112E	697	229	369	207	210	166	139
21	76	98E	100E	110E	106E	583	296	367	205	200	158	132
22	77	92E	98E	110E	110E	404	290	300	204	194	155	131
23	82	90E	98E	106E	110E	338	633	268	201	185	146	129
24	81	90E	96E	100E	116E	332	488	258	199	186	142	123
25	80	88E	96E	98E	110E	274	358	259	193	287	140	123
26	79	88E	94E	98E	106E	241	318	251	260	196	135	126
27	77	90E	98E	100E	100E	233	290	237	507	180	126	126
28	78	90E	100E	110E	100E	230	267	229	231	181	121	124
29	88	94E	94E	110E	-----	224	245	222	200	173	115	122
30	147	100E	100E	106E	-----	218	226	231	191	164	127	123
31	123	-----	98E	100E	-----	231	-----	292	-----	160	115	-----
TOTAL	2,548	3,467	3,316	3,619	3,030	16,187	9,566	10,880	7,443	12,547	5,369	3,871
MEAN	82.2	116	107	117	108	522	319	351	248	405	173	129
MAX	147	195	132	160	130	3,820	762	913	507	2,870	710	228
MIN	73	88	94	96	96	98	224	222	191	160	106	102
AC-FT	5,050	6,880	6,580	7,180	6,010	32,110	18,970	21,580	14,760	24,890	10,650	7,680
CAL YEAR 2000 TOTAL		62,279	MEAN	170	MAX	3,330	MIN	66	AC-FT	123,500		
WTR YEAR 2001 TOTAL		81,843	MEAN	224	MAX	3,820	MIN	73	AC-FT	162,300		

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

HAIGLER CANAL from Republican River, 00061000 - 2001

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

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

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

REMARKS.--Values furnished by the State of Colorado

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	0	0	0	0	0	0	22	5.4	18	21	18
2	17	0	0	0	0	0	0	21	5.5	25	22	17
3	17	0	0	0	0	0	0	22	5.6	25	24	17
4	18	0	0	0	0	0	0	25	5.5	21	26	17
5	18	0	0	0	0	0	0	36	7.8	24	26	17
6	18	0	0	0	0	0	0	36	12	21	26	17
7	18	0	0	0	0	0	0	31	6.4	22	23	20
8	18	0	0	0	0	0	0	29	5.9	26	19	25
9	18	0	0	0	0	0	0	27	9.2	23	17	26
10	18	0	0	0	0	0	0	27	13	20	17	25
11	18	0	0	0	0	0	0	31	12	14	17	25
12	18	0	0	0	0	0	0	35	14	3.4	19	25
13	18	0	0	0	0	0	0	32	16	14	16	25
14	5.4	0	0	0	0	0	0	25	14	22	19	25
15	.60	0	0	0	0	0	0	24	16	23	20	27
16	.60	0	0	0	0	0	0	25	20	23	19	28
17	5.4	0	0	0	0	0	0	25	21	22	19	27
18	9.1	0	0	0	0	0	0	25	21	21	18	25
19	8.7	0	0	0	0	0	0	24	20	20	19	24
20	8.4	0	0	0	0	0	0	25	21	25	18	23
21	11	0	0	0	0	0	0	25	21	23	18	23
22	18	0	0	0	0	0	0	25	21	21	18	23
23	17	0	0	0	0	0	0	25	21	19	20	23
24	16	0	0	0	0	0	0	25	20	22	19	24
25	11	0	0	0	0	0	0	26	20	22	19	24
26	11	0	0	0	0	0	0	28	20	16	19	24
27	10	0	0	0	0	0	0	28	20	20	19	24
28	13	0	0	0	0	0	26	27	17	24	19	24
29	14	0	0	0	-----	0	23	24	17	22	18	24
30	8.0	0	0	0	-----	0	23	12	16	21	18	23
31	2.2	-----	0	0	-----	0	-----	7.9	-----	21	18	-----
TOTAL	400.40	0	0	0	0	0	72	799.9	444.3	643.4	610	689
MEAN	12.9	0	0	0	0	0	2.40	25.8	14.8	20.8	19.7	23.0
MAX	18	0	0	0	0	0	26	36	21	26	26	28
MIN	.60	0	0	0	0	0	0	7.9	5.4	3.4	16	17
AC-FT	794	0	0	0	0	0	143	1,590	881	1,280	1,210	1,370
CAL YEAR 2000	MAX	39	MIN	0	AC-FT	7,780						
WTR YEAR 2001	MAX	36	MIN	0	AC-FT	7,260						

REPUBLICAN RIVER BASIN

HAIGLER CANAL from Republican River, 00061400 - 2001

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

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

PERIOD OF RECORD.--1985 - present

REMARKS.--Values furnished by the State of Colorado

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	0	0	0	0	0	0	16	4.9	12	16	13
2	14	0	0	0	0	0	0	15	4.7	16	16	13
3	15	0	0	0	0	0	0	15	4.7	14	17	11
4	17	0	0	0	0	0	0	17	4.9	17	18	10
5	18	0	0	0	0	0	0	25	5.9	22	17	11
6	19	0	0	0	0	0	0	29	11	17	18	12
7	19	0	0	0	0	0	0	24	4.2	16	17	14
8	19	0	0	0	0	0	0	20	4.0	18	12	18
9	20	0	0	0	0	0	0	19	7.4	14	11	21
10	19	0	0	0	0	0	0	17	13	12	13	22
11	19	0	0	0	0	0	0	20	10	11	13	19
12	19	0	0	0	0	0	0	25	11	1.6	15	19
13	10	0	0	0	0	0	0	23	13	6.8	12	19
14	.89	0	0	0	0	0	0	17	14	18	11	18
15	.42	0	0	0	0	0	0	18	12	19	14	21
16	.43	0	0	0	0	0	0	16	14	19	12	23
17	2.4	0	0	0	0	0	0	16	12	16	12	18
18	8.2	0	0	0	0	0	0	17	12	15	12	15
19	8.1	0	0	0	0	0	0	17	15	16	12	14
20	8.9	0	0	0	0	0	0	16	17	18	13	14
21	8.5	0	0	0	0	0	0	17	15	16	12	13
22	18	0	0	0	0	0	0	18	15	14	11	13
23	18	0	0	0	0	0	0	19	16	13	25	14
24	17	0	0	0	0	0	0	21	12	17	15	15
25	12	0	0	0	0	0	0	22	12	17	13	16
26	10	0	0	0	0	0	0	23	12	14	15	18
27	9.5	0	0	0	0	0	0	22	13	11	14	18
28	14	0	0	0	0	0	12	23	12	22	16	18
29	14	0	0	0	-----	0	17	24	9.6	18	17	18
30	8.1	0	0	0	-----	0	18	12	10	16	14	18
31	3.1	-----	0	0	-----	0	-----	7.9	-----	15	13	-----
TOTAL	383.54	0	0	0	0	0	47	590.9	321.3	471.4	446	486
MEAN	12.4	0	0	0	0	0	1.57	19.1	10.7	15.2	14.4	16.2
MAX	20	0	0	0	0	0	18	29	17	22	25	23
MIN	.42	0	0	0	0	0	0	7.9	4.0	1.6	11	10
AC-FT	761	0	0	0	0	0	93	1,170	637	935	885	964
CAL YEAR 2000	MAX	28	MIN	0	AC-FT	5,920						
WTR YEAR 2001	MAX	29	MIN	0	AC-FT	5,450						

REPUBLICAN RIVER BASIN

HAIGLER CANAL SPILLBACK to Arikaree River, 00061500 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.9	3.0						3.9	.06	0	2.5	.60
2	7.2	1.0						.76	0	.02	.94	.64
3	5.2	0						.54	0	0	1.3	.73
4	3.8	0						1.5	0	0	2.6	.70
5	5.0	0						8.1	0	0	1.4	.65
6	6.4	0						8.8	.96	0	.60	.62
7	7.2	0						4.2	.49	0	.76	.60
8	8.0	0						2.3	0	.15	.50	1.5
9	4.0	0						1.0	0	0	0	5.1
10	3.6	0						0	.19	0	0	6.4
11	2.2	0						0	.29	1.4	0	1.6
12	4.2	0						0	.20	2.0	.01	.82
13	6.8	0						.19	.42	.25	.37	.74
14	1.1	0						.25	1.8	6.5	0	1.6
15	0	0						0	0	2.7	0	2.1
16	0	0						0	0	1.4	0	2.6
17	0	0						.13	0	1.2	0	5.0
18	2.0	0						.01	0	0	0	2.4
19	1.9	0						.32	0	.15	0	1.9
20	0	0						.01	0	.54	0	1.8
21	.40	0						.01	0	.24	0	2.1
22	2.1	0						.08	.61	0	0	1.9
23	3.4	0						1.3	1.9	.59	0	2.0
24	4.3	0						1.0	2.2	1.4	0	2.0
25	4.5	0						.84	.28	3.6	0	2.0
26	3.2	0						.49	.34	3.1	0	2.6
27	3.0	0						.61	.17	.87	0	3.4
28	3.8	0						.67	.83	4.9	.56	1.9
29	7.3	0			-----			5.8	0	2.0	.66	2.1
30	3.3	0			-----			3.6	0	.01	.62	2.3
31	1.9	-----			-----		-----	1.8	-----	1.6	.58	-----
TOTAL	112.70	4.0						48.21	10.74	34.62	13.40	60.40
MEAN	3.64	.13						1.56	.36	1.12	.43	2.01
MAX	8.0	3.0						8.8	2.2	6.5	2.6	6.4
MIN	0	0						0	0	0	0	.60
AC-FT	224	7.9						96	21	69	27	120
CAL YEAR 2000	MAX	12	MIN	0	AC-FT	487						
WTR YEAR 2001	MAX	8.8	MIN	0	AC-FT	563						

REPUBLICAN RIVER BASIN

MEEKER-DRIFTWOOD CANAL from Republican River, 00087000 - 2001

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

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

PERIOD OF RECORD.--1957 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	191	171	
2									0	190	180	
3									0	189	171	
4									0	190	164	
5									0	180	163	
6									0	169	163	
7									0	166	178	
8									0	165	193	
9									0	173	198	
10									0	191	207	
11									0	202	211	
12									0	201	211	
13									0	183	217	
14									0	175	215	
15									0	173	90	
16									0	158	0	
17									0	150	0	
18									0	160	0	
19									53	167	0	
20									49	166	0	
21									68	165	0	
22									93	164	0	
23									102	184	0	
24									102	154	0	
25									115	112	0	
26									129	94	0	
27									142	73	0	
28									158	64	0	
29					-----				183	65	0	
30					-----				192	97	0	
31		-----			-----		-----		-----	151	0	-----
TOTAL									1,386	4,862	2,732	
MEAN									46.2	157	88.1	
MAX									192	202	217	
MIN									0	64	0	
AC-FT									2,750	9,640	5,420	
CAL YEAR 2000	MAX	234	MIN	0	AC-FT	27,530						
WTR YEAR 2001	MAX	217	MIN	0	AC-FT	17,810						

REPUBLICAN RIVER BASIN

SWANSON LAKE near Trenton, 06829000 - 2001

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

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

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

PERIOD OF RECORD.--May 1953 - present

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25,000	25,300	25,260	25,800	27,770	31,290	39,520	44,010	45,090	41,040	29,960	23,760
2	24,980	25,350	25,260	25,820	27,890	31,430	39,690	43,860	45,060	40,670	29,400	23,720
3	24,960	25,320	25,280	25,860	27,970	31,520	39,860	43,980	45,030	40,220	29,080	23,680
4	24,940	25,320	25,280	25,900	28,090	31,670	40,000	44,100	45,000	39,660	28,670	23,620
5	24,920	25,320	25,280	25,920	28,240	31,860	40,110	44,250	44,970	39,130	28,270	23,580
6	24,880	25,320	25,300	25,970	28,360	32,030	40,250	44,430	44,940	38,720	27,860	23,540
7	24,830	25,320	25,320	26,010	58,640	32,170	40,450	44,910	44,910	38,200	27,550	23,640
8	24,830	25,320	25,320	26,060	28,630	32,360	40,610	45,060	45,420	37,770	27,100	23,680
9	24,810	25,300	25,350	26,100	28,740	32,530	40,780	45,240	45,420	37,370	26,600	23,700
10	24,770	25,300	25,370	26,140	28,860	32,630	40,950	45,360	45,420	36,860	26,230	23,680
11	24,750	25,300	25,370	26,190	28,990	32,800	41,130	45,300	45,420	36,340	25,840	23,640
12	24,730	25,280	25,370	26,230	29,110	33,020	41,300	45,420	45,400	35,920	25,450	23,620
13	24,730	25,280	25,390	26,300	29,220	33,170	41,440	45,610	45,400	35,660	25,070	23,600
14	24,710	25,280	25,410	26,340	29,330	36,780	41,580	45,730	45,400	35,220	24,560	23,560
15	24,710	25,280	25,430	26,380	29,470	36,970	41,780	45,850	45,420	34,940	24,320	23,540
16	24,680	25,280	25,450	26,450	29,590	37,130	41,990	45,980	45,400	34,540	24,080	23,540
17	24,680	25,280	25,450	26,510	29,700	37,320	42,160	45,490	45,360	34,080	24,030	23,540
18	24,680	25,260	25,480	26,600	29,840	37,510	42,160	45,520	45,330	33,740	24,100	23,560
19	24,640	25,260	25,480	26,670	29,960	37,690	42,330	45,580	45,150	33,260	24,100	23,600
20	24,630	25,260	25,500	26,730	30,070	37,880	42,510	45,550	44,880	32,820	24,100	23,580
21	24,620	25,260	25,520	26,800	30,190	38,070	42,650	45,520	44,790	32,360	24,050	23,580
22	24,660	25,260	25,520	26,860	30,330	38,260	42,800	45,490	44,580	31,910	24,030	23,560
23	24,750	25,260	25,560	26,950	30,470	38,420	42,950	45,460	44,250	31,450	23,990	23,560
24	24,750	25,260	25,580	27,020	30,560	38,560	43,100	45,360	44,040	31,200	24,050	23,580
25	24,810	25,240	25,600	27,100	30,680	38,750	43,240	45,330	43,710	30,910	24,050	23,450
26	24,830	25,240	25,620	27,170	30,860	39,000	43,270	45,300	43,500	30,720	24,030	23,430
27	24,790	25,240	25,670	27,240	30,980	39,190	43,420	45,240	42,980	31,010	24,030	23,410
28	24,810	25,240	25,690	27,330	27,685	39,380	72,130	45,210	42,510	30,840	23,990	23,330
29	25,240	25,240	25,710	27,460	-----	39,550	72,170	45,180	42,160	30,680	23,950	23,310
30	25,280	25,260	25,730	27,600	-----	39,740	43,860	45,150	41,640	30,490	23,910	23,270
31	25,280	-----	25,750	27,6902	-----	39,350	-----	45,120	-----	30,050	23,800	-----
MAX	25,280	25,350	25,750	27,690	58,640	39,740	72,170	45,980	45,420	41,040	29,960	23,760
MIN	24,620	25,240	25,260	25,800	27,685	31,290	39,520	43,860	41,640	30,050	23,800	23,270
CHANGE	260	-20.0	490	1,940	-5.0	11,665	4,510	1,260	-3,480	-11,590	-6,250	-530
CAL YEAR 2000			MEAN	47,704	MAX	73,340	MIN	24,620				
WTR YEAR 2001			MEAN	32,115	MAX	72,170	MIN	23,270				

REPUBLICAN RIVER BASIN

REPUBLICAN RIVER near Trenton, 00126700 - 2001

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 July 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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	48		
2									0	48		
3									0	48		
4									0	48		
5									0	46		
6									0	46		
7									0	46		
8									0	46		
9									0	46		
10									0	48		
11									0	48		
12									0	48		
13									0	50		
14									0	48		
15									0	48		
16									0	48		
17									0	46		
18									0	46		
19									0	46		
20									0	46		
21									0	46		
22									0	46		
23									0	18		
24									0	0		
25									0	0		
26									53	0		
27									57	0		
28									49	0		
29					-----				48	0		
30					-----				48	0		
31		-----			-----		-----		-----	0		-----
TOTAL									255	1,054		
MEAN									8.50	34.0		
MAX									57	50		
MIN									0	0		
AC-FT									506	2,090		
CAL YEAR 2000	MAX	200	MIN	0	AC-FT	16,800						
WTR YEAR 2001	MAX	57	MIN	0	AC-FT	2,600						

REPUBLICAN RIVER BASIN

FRENCHMAN CREEK near Imperial, 06831500 - 2001

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.

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 74 cubic feet per second October 21, gage height 1.94 ft.; minimum daily discharge 3.9 cubic feet per second September 5.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	13	11	11	13	15	14	16	14	9.5	6.7	4.5
2	6.6	12	11	12	13	15	14	15	13	9.4	6.7	4.4
3	6.5	12	11	12	13	15	14	15	15	8.9	6.6	4.4
4	6.6	11	11	12	13	15	15	17	17	8.7	6.3	4.3
5	6.6	11	11	12	13	14	15	22	17	8.9	6.1	4.2
6	6.9	11	11	12	13	14	15	22	16	8.8	6.1	4.3
7	7.4	12	11	12	13	15	22	20	17	8.9	6.1	4.8
8	7.6	11	11	12	13	14	20	18	19	9.2	5.7	5.5
9	7.8	11	11	12	11	14	17	17	20	8.8	5.7	5.5
10	8.1	11	11	12	13	15	11	17	15	8.1	5.8	5.4
11	8.2	12	11	12	13	15	14	16	14	8.4	5.6	5.3
12	8.3	11	10	12	13	16	21	16	13	8.4	5.5	5.2
13	8.5	12	11	12	13	15	21	15	13	8.2	5.5	5.2
14	8.5	12	11	12	12	15	19	14	13	7.9	5.4	5.2
15	8.4	12	11	12	13	15	17	14	13	8.5	5.2	5.7
16	8.3	12	11	12	13	14	17	14	12	8.2	5.1	6.0
17	8.1	12	12	12	12	14	16	14	12	8.0	5.1	6.2
18	8.0	12	11	12	13	14	16	13	11	7.9	5.1	8.1
19	8.1	12	11	12	13	14	16	13	11	7.7	5.0	7.8
20	8.5	12	11	12	13	14	16	13	11	7.5	4.6	8.2
21	16	12	10	12	13	14	18	14	11	7.3	4.3	7.2
22	12	12	11	12	13	15	19	13	10	7.0	4.3	6.8
23	12	12	11	12	13	15	21	13	10	7.1	4.8	6.6
24	13	12	11	12	14	15	19	12	9.6	7.4	4.9	6.6
25	12	11	11	12	14	15	18	12	9.1	7.2	5.1	6.6
26	11	11	11	12	14	15	17	12	9.2	8.3	5.1	6.6
27	11	11	12	12	12	15	17	12	8.8	10	4.8	6.4
28	13	11	12	13	14	15	16	12	8.7	12	4.6	6.4
29	16	11	11	13	-----	15	16	15	9.1	9.1	4.4	6.7
30	16	12	12	13	-----	15	16	16	9.3	7.8	4.4	6.9
31	14	-----	12	13	-----	14	-----	15	-----	7.0	4.3	-----
TOTAL	299.5	349	344	375	363	455	507	467	380.8	260.1	164.9	177.0
MEAN	9.66	11.6	11.1	12.1	13.0	14.7	16.9	15.1	12.7	8.39	5.32	5.90
MAX	16	13	12	13	14	16	22	22	20	12	6.7	8.2
MIN	6.5	11	10	11	11	14	11	12	8.7	7.0	4.3	4.2
AC-FT	594	692	682	744	720	902	1,010	926	755	516	327	351
CAL YEAR 2000	TOTAL	4,987.80	MEAN	13.6	MAX	26	MIN	5.5	AC-FT	9,890		
WTR YEAR 2001	TOTAL	4,142.30	MEAN	11.3	MAX	22	MIN	4.2	AC-FT	8,220		

REPUBLICAN RIVER BASIN

FRENCHMAN CREEK near Enders, 06832500 - 2001

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

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										12		
2										89		
3										93		
4										94		
5										105		
6										121		
7										156		
8										247		
9										257		
10										238		
11										222		
12										198		
13										183		
14										178		
15										171		
16										169		
17										167		
18										166		
19										145		
20										132		
21										141		
22										168		
23										175		
24										179		
25										180		
26										182		
27										184		
28										179		
29										121		
30										4.6		
31		-----					-----		-----	4.4		-----
TOTAL										4,661.0		
MEAN										150		
MAX										257		
MIN										4.4		
AC-FT										9,250		
CAL YEAR 2000	MAX	229	MIN	0	AC-FT	15,590						
WTR YEAR 2001	MAX	257	MIN	4.4	AC-FT	9,250						

REPUBLICAN RIVER BASIN

STINKING WATER CREEK near Palisade, 06835000 - 2001

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 123 cubic feet per second October 30, gage height 5.94 feet; minimum daily discharge 5.9 cubic feet per second August 17 - 20.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	50	20	20E	21	22	23	25	19	10	12	6.7
2	10	49	20	20E	22	25	23	23	19	10	12	6.5
3	10	43	20	19E	21	26	22	22	19	10	11	6.5
4	10	33	20	19	23	29	22	24	20	9.8	9.7	6.3
5	11	26	20	20	23	33	22	29	22	9.7	8.6	6.0
6	11	24	20	20	24	31	23	35	22	9.3	8.2	6.1
7	11	23	20	20	26	29	26	38	21	9.0	8.0	6.2
8	11	22	20	20	26	29	29	35	20	8.7	7.9	7.3
9	12	21	20	20	25E	28	34	30	19	8.5	7.6	8.5
10	12	20	20	20	24E	28	28	29	19	8.3	7.8	9.0
11	12	21	19E	21	23E	28	31	26	18	8.9	8.0	8.6
12	13	20E	19E	21	22E	27	41	25	18	9.4	7.8	8.3
13	13	20E	18E	21	23	27	46	23	17	9.9	7.2	7.9
14	13	19E	17E	22	23	27	46	22	16	10	6.1	7.8
15	13	19E	18E	22	22	29	42	21	16	11	6.1	8.1
16	13	18E	19E	21	21	28	39	20	16	11	6.1	8.9
17	13	17E	19E	20E	22	27	34	20	15	10	5.9	9.9
18	14	17E	20	20E	21	26	31	19	15	9.7	5.9	11
19	14	18E	22	19E	21	25	30	19	14	9.1	5.9	12
20	14	18E	21E	19E	23	25	29	19	14	9.6	5.9	12
21	14	19E	20E	20	23	25	28	18	14	10	6.0	12
22	15	20	20E	20	23	25	30	18	14	9.4	6.1	12
23	16	20	19E	20	22	25	40	18	13	9.2	6.7	11
24	18	21	18E	21	24	25	40	17	13	8.9	7.5	11
25	18	21	17E	20	24	25	37	17	12	9.0	12	11
26	18	21	18E	21	23	24	34	17	12	9.1	8.7	11
27	17	21	18E	21	22E	24	31	17	11	13	7.8	11
28	18	21	20	21	23	24	29	17	11	21	7.7	11
29	37	21	19E	22	-----	24	27	18	11	16	7.4	11
30	103	21	20E	22	-----	24	27	18	10	16	7.0	11
31	58	-----	20E	22	-----	23	-----	19	-----	12	6.8	-----
TOTAL	572	704	601	634	640	817	944	698	480	325.5	241.4	275.6
MEAN	18.5	23.5	19.4	20.5	22.9	26.4	31.5	22.5	16.0	10.5	7.79	9.19
MAX	103	50	22	22	26	33	46	38	22	21	12	12
MIN	10	17	17	19	21	22	22	17	10	8.3	5.9	6.0
AC-FT	1,130	1,400	1,190	1,260	1,270	1,620	1,870	1,380	952	646	479	547
CAL YEAR 2000 TOTAL		6,853.70	MEAN	18.7	MAX	103	MIN	6.1	AC-FT	13,590		
WTR YEAR 2001 TOTAL		6,932.50	MEAN	19.0	MAX	103	MIN	5.9	AC-FT	13,750		

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

CULBERTSON CANAL from Frenchman River, 00035000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	47	47	15		
2							0	46	45	15		
3							0	45	46	17		
4							0	43	45	53		
5							0	40	48	67		
6							0	40	48	73		
7							0	38	46	85		
8							0	35	45	91		
9							0	34	43	140		
10							0	34	41	178		
11							0	34	38	185		
12							0	34	37	180		
13							0	33	35	168		
14							0	42	34	156		
15							0	46	31	152		
16							40	44	32	147		
17							52	43	30	145		
18							50	42	30	145		
19							48	40	28	146		
20							47	40	29	136		
21							46	40	27	128		
22							49	39	28	127		
23							54	39	26	141		
24							55	39	23	150		
25							48	40	22	155		
26							40	41	19	158		
27							41	43	18	160		
28							40	43	17	165		
29					-----		40	44	16	166		
30					-----		45	46	17	157		
31		-----			-----		-----	47	-----	88		-----
TOTAL							695	1,261	991	3,889		
MEAN							23.2	40.7	33.0	125		
MAX							55	47	48	185		
MIN							0	33	16	15		
AC-FT							1,380	2,500	1,970	7,710		
CAL YEAR 2000	MAX	173	MIN	0	AC-FT	19,330						
WTR YEAR 2001	MAX	185	MIN	0	AC-FT	13,560						

REPUBLICAN RIVER BASIN

RIVERSIDE CANAL from Frenchman River, 00127000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12						0	10	7.0	5.4	4.1	1.7
2	12						0	9.6	6.8	5.2	2.5	.18
3	12						0	8.7	7.4	3.6	2.3	1.6
4	12						0	11	7.4	2.2	.94	1.0
5	13						0	17	7.4	2.7	1.1	.72
6	14						0	19	7.1	1.8	1.4	.62
7	15						0	18	5.6	1.3	4.7	.75
8	17						0	13	4.2	1.8	11	.72
9	17						0	13	4.2	1.2	15	.27
10	17						0	13	4.4	4.2	11	.59
11	18						0	14	4.3	.95	11	.85
12	17						0	12	4.3	.35	11	1.1
13	17						0	9.1	4.3	9.3	9.0	2.0
14	18						0	9.0	4.3	9.6	8.5	2.0
15	19						0	7.8	4.1	9.6	9.5	4.4
16	19						0	7.1	4.1	10	6.3	2.4
17	19						0	7.0	7.4	9.4	9.2	.30
18	19						0	6.6	7.2	8.3	7.5	3.3
19	19						0	6.3	6.9	9.5	8.8	14
20	19						0	6.7	6.9	9.3	9.3	21
21	19						0	6.4	6.8	10	7.4	22
22	19						0	6.0	7.0	9.4	6.8	19
23	20						0	5.9	7.3	9.1	5.6	17
24	19						0	5.9	7.7	10	7.7	11
25	20						8.7	6.9	7.6	10	3.2	12
26	20						10	7.5	8.3	9.9	6.2	18
27	20						11	7.2	7.6	10	5.0	18
28	20						8.5	7.2	6.9	14	5.6	17
29	8.9				-----		13	7.4	6.3	13	4.3	22
30	0				-----		11	7.8	6.8	11	4.5	22
31	0	-----			-----		-----	7.3	-----	9.7	2.5	-----
TOTAL	490.9						62.2	293.4	187.6	221.80	202.94	237.50
MEAN	15.8						2.07	9.46	6.25	7.15	6.55	7.92
MAX	20						13	19	8.3	14	15	22
MIN	0						0	5.9	4.1	.35	.94	.18
AC-FT	974						123	582	372	440	403	471
CAL YEAR 2000	MAX	20	MIN	0	AC-FT	1,970						
WTR YEAR 2001	MAX	22	MIN	0	AC-FT	3,360						

REPUBLICAN RIVER BASIN

RED WILLOW CREEK above Hugh Butler Lake, 06837300 - 2001

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 northwest 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 65 cubic feet per second October 30, gage height 4.11 feet; minimum daily discharge 3.4 cubic feet per second September 4 & 6.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	33	17E	15E	16	19	19	21	13	7.6	6.9	4.1
2	8.1	50	17E	14E	17	22	19	19	13	7.4	6.3	3.6
3	8.4	40	15	14E	17	28	19	18	14	7.6	6.1	3.5
4	8.4	30	15	14E	16	28	19	20	16	7.5	6.1	3.4
5	8.6	23	14	14E	18	26	19	34	16	7.3	5.9	3.7
6	8.6	18	14	14E	19	27	20	43	17	7.4	5.6	3.4
7	9.0	15	14	15E	20	27	28	51	15	7.4	5.1	4.7
8	9.1	14	15	15E	21	28	38	49	14	6.5	5.3	4.8
9	9.5	13	16E	15E	18	27	46	40	13	5.5	5.4	6.0
10	9.7	13	15E	16E	18E	27	58	32	13	6.1	5.6	7.9
11	9.5	13E	14E	15E	17E	28	53	26	11	6.2	5.6	8.1
12	9.4	13E	14E	15E	17E	27	42	22	11	6.3	5.3	7.9
13	9.1	12E	14E	15E	17E	27	38	19	9.8	6.4	5.4	6.5
14	9.0	12E	15E	15E	18E	27	46	18	9.3	14	6.0	4.8
15	8.8	12E	15E	15E	18E	28	48	16	8.6	11	7.7	4.9
16	8.6	13E	15E	15E	18E	29	37	15	9.4	8.5	8.4	5.3
17	8.3	13E	15E	16E	19E	27	29	14	9.3	7.2	8.2	5.8
18	8.3	13E	15E	16E	19E	25	24	13	8.2	6.9	9.5	7.3
19	8.2	13E	16E	16E	20	24	22	12	8.8	6.2	7.1	8.3
20	8.2	14E	16E	16E	18	24	21	12	8.4	6.0	6.8	9.8
21	8.2	14E	15E	17E	17	24	20	12	8.5	5.6	6.2	11
22	9.2	14E	15E	17E	17	24	32	11	8.1	5.8	5.6	10
23	11	15E	15E	17	18	25	38	11	8.4	5.8	5.4	9.0
24	12	15E	14E	16	19	25	40	11	7.6	6.5	6.2	8.4
25	12	15E	14E	17	19	24	36	11	7.3	6.5	6.1	8.0
26	11	15E	14E	16	19	23	35	11	7.1	7.1	5.5	7.9
27	9.9	16E	15E	17	16	22	32	11	7.3	9.4	5.3	7.7
28	12	16E	15E	17	18E	21	27	12	7.6	8.5	4.6	7.9
29	33	16E	15E	16	-----	21	23	12	7.7	8.4	4.3	8.1
30	60	16E	15E	16	-----	20	22	12	8.0	8.3	4.1	8.2
31	38	-----	15E	16	-----	19	-----	13	-----	7.7	4.7	-----
TOTAL	391.5	529	463	482	504	773	950	621	315.4	228.6	186.3	200.0
MEAN	12.6	17.6	14.9	15.5	18.0	24.9	31.7	20.0	10.5	7.37	6.01	6.67
MAX	60	50	17	17	21	29	58	51	17	14	9.5	11
MIN	8.1	12	14	14	16	19	19	11	7.1	5.5	4.1	3.4
AC-FT	777	1,050	918	956	1,000	1,530	1,880	1,230	626	453	370	397
CAL YEAR 2000 TOTAL		5,560.70	MEAN	15.2	MAX	60	MIN	5.0	AC-FT	11,030		
WTR YEAR 2001 TOTAL		5,643.80	MEAN	15.5	MAX	60	MIN	3.4	AC-FT	11,190		

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

HUGH BUTLER LAKE near McCook, 06837390 - 2001

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

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

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

PERIOD OF RECORD.--September 1961 - present

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21,630	22,290	23,050	23,530	24,330	25,140	26,400	27,980	28,380	25,580	20,380	16,120
2	21,630	22,340	23,060	23,540	24,360	25,180	26,410	27,990	28,380	25,350	20,170	16,210
3	21,630	22,400	23,090	23,550	24,370	25,260	26,420	28,010	28,430	25,110	19,910	16,210
4	21,630	22,450	23,110	23,590	24,390	25,340	26,450	28,080	28,450	24,880	19,650	16,210
5	21,630	22,490	23,130	23,600	24,420	25,420	26,480	28,320	28,480	24,680	19,370	16,200
6	21,620	22,520	23,140	23,630	24,460	25,440	26,490	28,430	28,480	24,520	19,060	16,180
7	21,610	22,530	23,180	23,640	29,340	25,500	26,640	28,450	28,490	24,390	18,680	16,190
8	21,590	22,520	23,190	23,670	24,520	25,540	26,670	28,500	28,480	24,260	18,310	16,240
9	21,580	22,520	23,210	23,680	24,560	25,580	26,700	28,550	28,480	24,070	17,940	16,260
10	21,570	22,520	23,240	23,700	24,560	25,600	26,780	28,580	28,460	23,800	17,560	16,250
11	21,560	22,550	23,250	23,730	24,590	25,660	26,860	28,590	28,460	23,550	17,220	16,240
12	21,560	22,690	23,240	23,750	24,610	25,740	26,990	28,600	28,450	23,290	16,870	16,260
13	21,570	22,690	23,250	23,780	24,650	25,780	27,030	28,620	28,430	23,040	16,490	16,270
14	21,570	22,680	23,260	23,880	24,680	25,800	27,060	28,630	28,420	22,790	16,110	16,270
15	21,580	22,710	23,290	23,910	24,700	25,860	27,100	28,630	28,390	22,610	16,060	16,270
16	21,590	22,730	23,310	23,920	24,720	25,900	27,170	28,620	28,350	22,460	16,010	16,280
17	21,590	22,730	23,340	23,950	24,730	25,920	27,200	28,620	28,280	22,300	16,010	16,310
18	21,590	22,760	23,350	23,970	24,760	25,950	27,210	28,590	28,140	22,150	16,070	16,350
19	21,580	22,780	23,340	23,980	24,780	25,990	27,220	28,560	28,010	21,960	16,070	16,390
20	21,590	22,790	23,360	24,000	24,820	26,020	27,240	28,560	27,880	21,810	16,080	16,400
21	21,590	22,800	23,360	24,010	24,820	26,040	27,290	28,530	27,670	21,670	16,090	16,410
22	21,610	22,830	23,380	24,030	24,860	26,070	27,350	28,530	27,430	21,500	16,090	16,420
23	21,700	22,850	23,390	24,070	24,880	26,100	27,820	28,450	27,240	21,310	16,100	16,430
24	21,700	22,870	23,400	24,110	24,930	26,140	27,820	28,400	27,060	21,190	16,160	16,420
25	21,740	22,900	23,410	24,120	24,980	26,170	27,870	28,380	26,780	21,030	16,160	16,420
26	21,770	22,930	23,430	24,180	25,030	26,190	27,880	28,380	26,600	20,890	16,180	16,420
27	21,770	22,960	23,450	24,180	25,060	26,220	27,920	28,380	26,340	20,890	16,180	16,420
28	21,810	23,000	23,480	24,200	25,100	26,320	31,320	28,360	26,100	20,830	16,170	16,430
29	22,000	23,010	23,490	24,260	-----	26,330	31,320	28,350	25,860	20,770	16,150	16,420
30	22,100	23,030	23,500	24,320	-----	26,360	27,980	28,390	25,750	20,700	16,140	16,420
31	22,180	-----	23,510	24,320	-----	26,380	-----	28,390	-----	20,530	16,130	-----
MAX	22,180	23,030	23,510	24,320	29,340	26,380	31,320	28,630	28,490	25,580	20,380	16,430
MIN	21,560	22,290	23,050	23,530	24,330	25,140	26,400	27,980	25,750	20,530	16,010	16,120
CHANGE	540	850	480	810	780	1,280	1,600	410	-2,640	-5,220	-4,400	290
CAL YEAR 2000			MEAN	26,764	MAX	31,560	MIN	20,520				
WTR YEAR 2001			MEAN	23,491	MAX	31,320	MIN	16,010				

REPUBLICAN RIVER BASIN

RED WILLOW CREEK near McCook, 06837500 - 2001

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.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									3.5	97	105	
2									4.1	115	125	
3									4.5	122	135	
4									4.4	113	134	
5									4.5	78	150	
6									4.5	49	173	
7									4.5	51	181	
8									4.5	70	182	
9									4.5	101	178	
10									4.4	120	172	
11									4.0	127	175	
12									4.0	131	194	
13									3.7	127	194	
14									3.6	120	172	
15									3.5	113	13	
16									6.7	83	2.6	
17									56	67	2.6	
18									44	78	2.9	
19									37	86	2.7	
20									98	81	2.9	
21									113	83	3.0	
22									101	93	3.0	
23									85	108	3.3	
24									105	114	3.1	
25									105	79	3.1	
26									114	54	3.1	
27									125	38	3.2	
28									120	23	3.3	
29					-----				109	28	3.3	
30					-----				98	51	2.9	
31		-----			-----		-----		-----	81	2.7	-----
TOTAL									1,378.9	2,681	2,330.7	
MEAN									46.0	86.5	75.2	
MAX									125	131	194	
MIN									3.5	23	2.6	
AC-FT									2,740	5,320	4,620	
CAL YEAR 2000	MAX	116	MIN	5.2	AC-FT	10,560						
WTR YEAR 2001	MAX	194	MIN	2.6	AC-FT	12,680						

REPUBLICAN RIVER BASIN

RED WILLOW CANAL from Red Willow Creek, 00126000 - 2001

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

GAGE.--Continuous stage recorder and orifice

PERIOD OF RECORD.--1963 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	47	42	
2									0	61	43	
3									0	62	47	
4									0	55	48	
5									0	46	48	
6									0	41	59	
7									0	41	72	
8									0	49	74	
9									0	52	70	
10									0	56	67	
11									0	56	65	
12									0	58	66	
13									0	59	66	
14									0	58	71	
15									0	50	31	
16									0	50	0	
17									0	45	0	
18									0	45	0	
19									0	47	0	
20									21	42	0	
21									34	39	0	
22									35	39	0	
23									35	44	0	
24									35	38	0	
25									38	31	0	
26									45	28	0	
27									52	24	0	
28									51	22	0	
29					-----				54	22	0	
30					-----				56	28	0	
31		-----			-----		-----		-----	36	0	-----
TOTAL									456	1,371	869	
MEAN									15.2	44.2	28.0	
MAX									56	62	74	
MIN									0	22	0	
AC-FT									904	2,720	1,720	
CAL YEAR 2000	MAX	75	MIN	0	AC-FT	7,780						
WTR YEAR 2001	MAX	74	MIN	0	AC-FT	5,350						

REPUBLICAN RIVER BASIN

BARTLEY CANAL from Republican River, 00006000 - 2001

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 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	47	44	
2									0	46	54	
3									0	52	60	
4									0	57	62	
5									0	45	62	
6									0	30	71	
7									0	26	76	
8									0	26	75	
9									0	40	74	
10									0	50	71	
11									0	58	70	
12									0	63	70	
13									0	63	85	
14									0	61	91	
15									0	61	35	
16									0	46	0	
17									0	47	0	
18									49	45	0	
19									42	42	0	
20									38	44	0	
21									45	44	0	
22									54	43	0	
23									59	49	0	
24									57	41	0	
25									62	28	0	
26									64	22	0	
27									61	16	0	
28									57	13	0	
29					-----				51	13	0	
30					-----				48	24	0	
31		-----			-----		-----		-----	31	0	-----
TOTAL									687	1,273	1,000	
MEAN									22.9	41.1	32.3	
MAX									64	63	91	
MIN									0	13	0	
AC-FT									1,360	2,520	1,980	
CAL YEAR 2000	MAX	94	MIN	0	AC-FT	8,610						
WTR YEAR 2001	MAX	91	MIN	0	AC-FT	5,870						

REPUBLICAN RIVER BASIN

MEDICINE CREEK above Harry Strunk Lake, 06841000 - 2001

LOCATION.--SW1/4 Sec. 7-6-26 W., Frontier County, Lat. 40°30'10", Long. 100°19'20", on right bank 3.75 miles southeast of Stockville and 13.5 miles upstream from Medicine Creek Dam.

DRAINAGE AREA.--770 square miles, of which approximately 530 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Datum of gage is 2,380.94 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1950 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994. Records are good, except 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 267 cubic feet per second March 3, gage height 7.11 feet; minimum daily discharge 16 cubic feet per second August 9.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	113	46	46E	46	50	55	54	45	26	26	21
2	26	61	45	45E	45E	62	54	54	44	25	24	21
3	27	51	44	44E	44E	154	53	52	49	28	26	20
4	26	46	44	43E	43E	197	53	59	47	33	24	20
5	27	44	44	44E	43E	142	53	86	49	31	22	20
6	27	43	44	45E	43E	87	54	110	49	30	21	20
7	28	41	45	44E	44E	68	63	103	48	28	19	22
8	29	41	45	43E	45E	64	87	83	46	28	18	24
9	29	40	46	44E	46E	65	70	72	43	27	16	27
10	30	40	44E	45	47	64	64	65	41	28	17	29
11	30	39E	43E	45	46E	65	62	59	40	28	18	27
12	31	38E	43E	45	45E	61	63	55	38	27	17	27
13	32	37E	42E	47	44E	60	64	53	37	30	17	26
14	32	38E	42E	49	45E	59E	61	51	37	29	46	26
15	32	39E	41E	50E	46E	58E	59	49	36	30	111	26
16	32	40E	40E	49E	47E	57E	56	47	36	29	129	27
17	32	41E	41E	48E	48E	58E	53	46	35	30	71	36
18	32	42E	41E	47E	47E	59E	52	44	34	29	41	61
19	32	41E	42E	46E	45E	60E	51	43	34	25	33	54
20	32	40E	43E	45E	43E	61	51	44	33	26	29	62
21	32	41E	43E	45E	45	60	50	43	34	25	27	57
22	34	42E	44E	46E	45	60	79	42	33	25	25	46
23	34	43E	43E	47E	46	62	114	41	33	26	25	38
24	38	42E	42E	48	53	61	155	41	32	38	28	34
25	38	41E	41E	48	52	60	96	41	31	34	28	32
26	38	42E	40E	48	51E	58	73	41	30	36	26	31
27	37	44E	41E	47	51E	57	64	41	29	34	26	31
28	67	45E	42E	47	50E	55	59	42	28	32	25	31
29	75	46	43E	47	-----	55	55	42	27	32	23	30
30	78	46	44E	47	-----	55	55	43	26	29	22	30
31	83	-----	45E	47	-----	55	-----	44	-----	27	21	-----
TOTAL	1,147	1,347	1,333	1,431	1,295	2,189	1,978	1,690	1,124	905	1,001	956
MEAN	37.0	44.9	43.0	46.2	46.3	70.6	65.9	54.5	37.5	29.2	32.3	31.9
MAX	83	113	46	50	53	197	155	110	49	38	129	62
MIN	26	37	40	43	43	50	50	41	26	25	16	20
AC-FT	2,280	2,670	2,640	2,840	2,570	4,340	3,920	3,350	2,230	1,800	1,990	1,900
CAL YEAR 2000 TOTAL		15,562	MEAN	42.5	MAX	216	MIN	16	AC-FT	30,870		
WTR YEAR 2001 TOTAL		16,396	MEAN	44.9	MAX	197	MIN	16	AC-FT	32,520		

E indicates estimated Discharge.

REPUBLICAN RIVER BASIN

HARRY STRUNK LAKE near Cambridge, 06842000 - 2001

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17,650	20,580	23,160	25,350	28,130	31,130	34,500	35,960	37,280	33,270	24,310	17,120
2	17,680	20,810	23,230	25,430	28,220	31,240	34,500	36,150	37,260	32,860	23,850	17,140
3	17,720	20,900	23,310	25,500	28,290	31,410	34,490	36,160	37,350	32,360	23,400	17,180
4	17,770	21,000	23,410	25,550	28,400	31,940	34,490	36,350	37,370	32,020	22,970	17,200
5	17,810	21,080	23,490	25,660	28,500	32,460	34,470	36,690	37,450	31,690	22,400	17,230
6	17,830	21,180	23,580	25,740	28,640	32,770	34,490	36,910	37,500	31,480	22,080	17,260
7	17,860	21,210	23,660	25,830	28,680	32,960	34,540	37,070	37,520	31,340	21,570	17,300
8	17,890	21,250	23,740	25,920	28,930	33,080	34,540	37,160	37,520	31,130	21,090	17,360
9	17,940	21,330	23,800	26,030	29,030	33,200	34,560	37,220	37,540	30,850	20,650	17,430
10	17,980	21,380	23,890	26,120	29,100	33,290	34,670	37,290	37,580	30,480	20,250	17,460
11	18,020	21,460	24,000	26,200	29,170	33,410	34,720	37,330	37,600	30,000	19,970	17,510
12	18,070	21,640	24,000	26,300	29,260	33,570	34,720	37,330	37,660	29,590	19,660	17,560
13	18,100	21,680	24,050	26,390	29,390	33,690	34,720	37,350	37,620	29,170	19,330	17,600
14	18,170	21,730	24,130	26,560	29,500	33,810	34,720	37,390	37,620	28,790	19,080	17,630
15	18,240	21,820	24,180	26,630	29,560	33,970	34,740	37,390	37,600	28,430	19,170	17,680
16	18,310	21,890	24,270	26,730	29,660	34,100	34,740	37,410	37,640	28,040	19,270	17,770
17	18,200	21,970	24,350	26,790	29,730	34,200	34,720	37,390	37,660	27,610	19,340	17,860
18	18,250	22,040	24,440	26,870	29,810	34,310	34,700	37,370	37,520	27,160	19,340	17,970
19	18,310	22,130	24,480	26,940	29,910	34,420	34,700	37,350	37,290	26,630	19,270	18,110
20	18,680	22,210	24,550	27,020	30,000	34,430	34,720	37,350	37,030	26,360	19,100	18,210
21	18,410	22,300	24,600	27,060	30,080	34,430	34,720	37,330	36,730	26,060	18,780	18,300
22	18,490	22,350	24,670	27,140	30,190	34,470	34,940	37,260	36,370	25,850	18,410	18,380
23	18,700	22,400	24,720	27,280	30,270	34,470	35,570	37,240	36,090	25,530	18,030	18,460
24	18,760	22,510	24,770	27,360	30,380	34,490	35,680	37,180	35,760	25,320	17,730	18,530
25	18,890	22,600	24,840	27,450	30,580	34,500	35,850	37,160	35,430	25,120	17,540	18,580
26	18,940	22,690	24,920	27,580	30,690	34,500	35,900	37,160	35,100	24,910	17,380	18,620
27	19,040	22,790	25,010	27,620	30,870	34,490	35,900	37,180	34,720	24,920	17,160	18,660
28	19,150	22,890	25,070	27,710	30,980	34,500	37,370	37,180	34,340	24,880	16,990	18,720
29	19,700	22,980	25,140	27,840	-----	34,490	37,450	37,180	33,970	24,870	17,030	18,780
30	19,870	23,060	25,200	28,010	-----	34,490	35,890	37,220	33,620	24,800	17,070	18,820
31	20,020	-----	25,270	28,050	-----	34,500	-----	37,220	-----	24,610	17,100	-----
MAX	20,020	23,060	25,270	28,050	35,080	34,500	37,450	37,410	37,660	33,270	24,310	18,820
MIN	17,650	20,580	23,160	25,350	28,130	31,130	34,470	35,960	33,620	24,610	16,990	17,120
CHANGE	2,410	3,040	2,210	2,780	2,930	3,520	1,390	1,330	-3,600	-9,010	-7,510	1,720
CAL YEAR 2000			MEAN	28,711	MAX	38,470	MIN	16,410				
WTR YEAR 2001			MEAN	27,412	MAX	37,660	MIN	16,990				

REPUBLICAN RIVER BASIN

MEDICINE CREEK below Harry Strunk Lake, 06842500 - 2001

LOCATION.--Center of Sec. 25-5-26 W., Frontier County, Latitude 40° 22' 20", Longitude 100° 13' 20", On left bank 0.5 mile downstream from Medicine Creek Dam and 6.5 miles northwest of Cambridge.

DRAINAGE AREA.--880 square miles, of which 640 square miles contributes directly to surface runoff. This drainage controlled by Medicine Creek Dam 1/2 mile upstream.

GAGE.--Continuous stage recorder. Datum of gage is 2295.26 feet National Geodetic Vertical Datum of 1929 (U.S.B.R. benchmark).

PERIOD OF RECORD.--1949 - present (Monthly discharge only for some periods, published in WSP 1730).

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994. Records above 10 cubic feet per second are good, records between 4 and 10 cubic feet per second are fair, records below 4 cubic feet per second and estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 1,300 cubic feet per second March 23, 1960, gage height 5.97 ft.
No flow September 11, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharge 285 cubic feet per second August 6, gage height 2.53 feet; minimum daily discharge 0.17 cubic feet per second September 6.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	.50	.64	.52	.49	.77	51	6.1	30	202	231	.27
2	1.4	.45	.71	.51	.49	.79	51	8.1	30	216	261	.21
3	1.4	.41	.75	.47	.49	.92	51	7.9	33	199	251	.19
4	1.2	.36	.58	.49	.49	.87	51	14	34	182	246	.20
5	1.7	.49	.55	.51	.49	.74	51	23	33	136	252	.19
6	2.5	.60	.49	.49	.49	.54	52	26	33	115	279	.17
7	2.6	.83	.49	.49	.49	.60	53	29	34	111	277	.21
8	2.7	.92	.49	.49	.49	.66	54	30	26	117	268	.37
9	2.5	.89	.49	.49	.49	.71	54	32	16	172	243	.27
10	2.9	.87E	.49	.49	.49	.97	55	32	17	215	168	.23
11	2.7	.85E	.49	.53	.49	1.0	55	32	16	215	178	.22
12	2.4	.84E	.49	.66	.49	1.2	52	32	16	210	190	.20
13	1.9	.86	.47E	.66	.49	1.6	53	33	11	203	177	.20
14	2.2	.86	.45E	.66	.57	1.9	53	33	2.0	202	134	.20
15	2.1	.85	.43E	.66	.66	2.1	53	33	1.2	209	103	.32
16	2.1	.67	.45E	.66	.66	2.1	53	32	.94	226	77	.25
17	2.2	.65	.47E	.66	.67	2.0	52	31	34	232	73	.34
18	2.4	.58	.49	.66	.66	2.5	52	30	102	258	69	.38
19	2.9	.66	.49	.66	.81	26	52	30	123	255	93	.32
20	2.0	.78	.52	.66	.82	54	52	31	151	180	183	.32
21	2.2	.97	.66	.66	.66	54	52	32	189	131	222	.29
22	2.9	.96	.66	.66	.80	53	53	30	175	140	233	.35
23	1.4	.93	.66	.69	.90	51	52	30	160	216	226	.35
24	1.4	1.1	.66	.97	1.3	51	52	28	160	178	167	.39
25	1.2	.87	.66	.97	1.0	51	52	27	157	140	121	.51
26	1.3	.82	.66	.97	.91	51	52	27	177	109	129	.36
27	1.5	.65	.66	.97	.96	51	51	27	180	78	141	.32
28	2.4	.62	.79	.97	.85	50	52	27	192	33	9.7	.38
29	1.2	.72	.66	.97	-----	50	52	28	197	38	.32	.37
30	.50	.83	.66	.49	-----	50	23	29	190	80	.32	.40
31	.68	-----	.63	.49	-----	50	-----	29	-----	146	.30	-----
TOTAL	59.88	22.39	17.79	20.23	18.60	663.97	1,541	839.1	2,520.14	5,144	5,002.64	8.78
MEAN	1.93	.75	.57	.65	.66	21.4	51.4	27.1	84.0	166	161	.29
MAX	2.9	1.1	.79	.97	1.3	54	55	33	197	258	279	.51
MIN	.50	.36	.43	.47	.49	.54	23	6.1	.94	33	.30	.17
AC-FT	119	44	35	40	37	1,320	3,060	1,660	5,000	10,200	9,920	17
CAL YEAR 2000 TOTAL		19,194.47	MEAN	52.4	MAX	300	MIN	.17	AC-FT	38,070		
WTR YEAR 2001 TOTAL		15,858.52	MEAN	43.4	MAX	279	MIN	.17	AC-FT	31,460		

E indicates estimated Discharge.

REPUBLICAN RIVER BASIN

CAMBRIDGE CANAL from Republican River, 00020000 - 2001

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

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

PERIOD OF RECORD.--1951 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	170	163	
2									0	177	209	
3									0	172	208	
4									0	154	202	
5									0	111	202	
6									0	84	221	
7									0	82	222	
8									0	82	218	
9									0	115	201	
10									0	152	151	
11									0	177	133	
12									0	180	134	
13									0	178	113	
14									0	178	90	
15									0	179	62	
16									0	194	50	
17									0	212	50	
18									25	219	50	
19									77	217	50	
20									118	140	111	
21									145	100	165	
22									138	101	186	
23									130	144	185	
24									130	145	126	
25									129	135	93	
26									150	129	93	
27									161	82	122	
28									174	60	45	
29					-----				177	60	0	
30					-----				175	75	0	
31		-----			-----		-----		-----	107	0	-----
TOTAL									1,729	4,311	3,855	
MEAN									57.6	139	124	
MAX									177	219	222	
MIN									0	60	0	
AC-FT									3,430	8,550	7,650	
CAL YEAR 2000	MAX	265	MIN	0	AC-FT	26,290						
WTR YEAR 2001	MAX	222	MIN	0	AC-FT	19,630						

REPUBLICAN RIVER BASIN

MUDDY CREEK at Arapahoe, 06844000 - 2001

LOCATION.--NW1/4NW1/4 Sec. 22-4-23 W., Furnas County, Latitude 40° 18' 20", Longitude 99° 54' 40", on the left bank, 10 feet upstream from the bridge on U.S. Highways 6 and 34, 0.2 miles west of Arapahoe.

DRAINAGE AREA.--246 square miles.

GAGE.--Continuous stage recorder. Gage datum is 2,143.92 feet above sea level.

PERIOD OF RECORD.--1950 - 1972, 1977 - 1994, January 1, 1998 - present.

REMARKS.--Published by U. S. Geological Survey up to October 1, 1993. Nebraska Department of Water Resources also operated and published from October 1, 1993 to December 31, 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 10,800 cfs May 8, 1986, gage height 28.90 feet (also max. gage height for period); minimum daily discharge zero on Aug. 26, 1953.

EXTREMES FOR CURRENT YEAR.--Peak discharge 671 cubic feet per second April 23, gage height 11.33 feet; minimum daily discharge 3.7 cubic feet per second August 21.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	8.8	7.8	6.7	7.9E	9.0E	8.3	8.8	8.3	5.6	5.4	4.1
2	4.4	61	6.9	7.8	8.0	9.7	8.3	8.4	8.4	5.9	5.3	4.2
3	4.4	16	6.6	7.8	8.9	13	8.3	8.3	12	5.8	5.1	4.1
4	4.6	9.0	6.5	8.0	11	71	8.7	12	9.9	5.4	5.1	4.2
5	4.6	7.4	6.7	8.0	12	155	8.6	22	10	6.8	4.3	4.3
6	4.8	6.9	6.6	8.0	18	130	8.6	30	9.1	7.0	4.1	4.4
7	4.8	6.5	6.8	8.0	23	59	10	22	7.9	6.0	4.0	4.5
8	4.9	6.3	6.8	7.7	19	55	9.2	12	7.3	5.6	4.1	5.9
9	5.3	6.3	7.0	9.2	12	69	8.4	11	6.8	6.0	4.0	6.3
10	5.9	6.3	6.5	7.7	13	36	8.3	12	6.9	5.7	4.3	5.7
11	6.2	6.0	6.3	8.2	9.9	20	9.2	9.2	6.6	5.6	4.1	5.3
12	6.2	5.9E	6.2E	7.8	9.4	15	9.0	8.6	6.5	5.9	4.2	5.2
13	6.3	5.8E	6.1E	9.3	9.3	17	8.6	8.4	6.5	5.8	4.9	5.0
14	6.1	5.7E	6.0E	10	8.3	19	8.3	8.0	6.4	5.2	18	5.2
15	6.0	5.7E	5.9E	9.6	7.8	16	8.3	8.0	6.1	5.6	121	8.6
16	5.8	5.8E	6.0E	8.7	7.4	13	8.3	7.9	6.0	5.3	103	9.0
17	5.9	5.9E	6.1E	7.6	7.3	12	8.3	7.8	5.8	4.5	16	6.2
18	5.9	6.0E	6.2E	7.5E	7.6	11	8.2	7.6	5.6	4.4	6.8	9.8
19	6.6	6.1E	6.4E	7.3E	8.3	11	8.5	8.2	5.5	5.0	4.5	7.1
20	7.1	6.2E	6.6E	7.0E	8.8	11	8.8	8.7	5.5	6.8	3.8	6.0
21	7.0	6.3E	6.8E	7.2E	8.2	11	8.9	7.6	5.5	5.6	3.7	5.5
22	7.5	6.4E	7.0E	7.4E	8.9	11	16	7.2	5.8	5.1	4.5	5.4
23	9.2	6.5E	7.2E	7.6E	9.4	10	255	7.1	5.6	4.7	4.5	5.5
24	10	6.6	7.4	7.8E	10	13	41	7.1	5.5	11	5.0	5.4
25	8.1	6.9	7.6	8.0E	11	11	15	7.1	5.3	9.9	88	5.5
26	7.3	7.0	7.9	8.0	11	9.3	12	7.1	5.5	12	14	5.5
27	6.8	7.0	8.0	7.3	7.7	8.9	10	7.1	6.4	11	7.2	5.5
28	7.6	6.9	8.2	7.5E	8.5E	8.7	9.6	7.2	6.4	12	5.5	5.5
29	47	7.0	7.8	7.6E	-----	8.7	9.1	7.3	6.1	11	4.7	5.5
30	40	7.0	7.8	7.7E	-----	8.7	9.0	7.9	5.6	7.4	4.4	5.5
31	14	-----	7.9	7.8E	-----	8.5	-----	8.4	-----	6.1	4.3	-----
TOTAL	274.8	261.2	213.6	245.8	291.6	860.5	557.8	310.0	204.8	209.7	477.8	169.9
MEAN	8.86	8.71	6.89	7.93	10.4	27.8	18.6	10.0	6.83	6.76	15.4	5.66
MAX	47	61	8.2	10	23	155	255	30	12	12	121	9.8
MIN	4.4	5.7	5.9	6.7	7.3	8.5	8.2	7.1	5.3	4.4	3.7	4.1
AC-FT	545	518	424	488	578	1,710	1,110	615	406	416	948	337
CAL YEAR 2000 TOTAL		3,186.60	MEAN	8.71	MAX	228	MIN	3.3	AC-FT	6,320		
WTR YEAR 2001 TOTAL		4,077.50	MEAN	11.2	MAX	255	MIN	3.7	AC-FT	8,090		

E indicates estimated Discharge.

REPUBLICAN RIVER BASIN

TURKEY CREEK at Edison, 06844210 - 2001

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 and records below 8 cubic feet per second are fair.

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 317 cubic feet per second August 24, gage height 9.51 feet; minimum daily discharge 6.1 cubic feet per second December 18.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.3	12	13	17	15	48	19	13	17	9.7	11	11
2	8.2	12	13	7.6	7.5	34	18	13	16	9.2	11	11
3	8.4	11	13	14	26	46	18	13	23	9.4	11	11
4	8.2	11	13	26	22	82	18	16	26	9.9	10	11
5	8.5	11	13	23	35	53	18	37	19	13	10	11
6	8.6	12	13	21	67	34	18	42	17	10	9.1	10
7	8.7	12	13	20	41	41	20	19	17	9.5	9.0	12
8	8.8	11	13	18	21	59	20	15	17	9.1	9.9	17
9	9.0	11	13	16	13	44	18	14	16	9.3	9.5	14
10	9.6	11	13	16	11 E	28	17	17	16	9.4	7.9	12
11	10	9.1	12	16	10 E	19	18	15	16	9.1	8.6	11
12	10	10 E	11 E	17	9.5E	18	19	14	15	8.5	9.5	11
13	11	14 E	10 E	16	9.0E	32	16	13	15	8.5	19	11
14	10	18 E	9.0E	17	9.5E	25	16	13	15	8.8	47	11
15	10	11	8.0E	13	10 E	20	15	13	15	9.6	160	12
16	10	11 E	7.0E	12 E	14 E	19	15	13	15	9.9	108	37
17	9.9	10 E	8.0E	13	18 E	18	14	13	15	9.1	29	16
18	10	9.7E	6.1	14	22 E	18	14	13	14	9.0	13	18
19	11	10 E	18	12 E	25	18	15	14	14	8.5	11	24
20	11	11 E	17	11 E	33	20	15	15	14	12	9.7	14
21	12	12	15 E	12 E	23	21	15	16	14	31	9.6	13
22	12	12	12 E	42	19	19	42	14	14	14	13	12
23	14	12	7.1	27	29	19	65	14	13	10	60	12
24	14	12	9.2	22	30	20	20	14	12	12	189	12
25	14	12	37	21	56	18	17	14	12	24	35	12
26	13	13	29	18	38	18	15	14	11	15	16	12
27	11	13	23	14	14	18	15	14	11	26	13	12
28	12	13	21	15 E	27	18	14	15	11	38	12	12
29	15	13	19	16 E	-----	19	14	15	10	15	12	12
30	15	13	19	18	-----	18	13	17	10	12	12	12
31	12	-----	17	18	-----	19	-----	18	-----	11	11	-----
TOTAL	333.2	352.8	444.4	542.6	654.5	883	571	500	450	399.5	895.8	406
MEAN	10.7	11.8	14.3	17.5	23.4	28.5	19.0	16.1	15.0	12.9	28.9	13.5
MAX	15	18	37	42	67	82	65	42	26	38	189	37
MIN	8.2	9.1	6.1	7.6	7.5	18	13	13	10	8.5	7.9	10
AC-FT	661	700	881	1,080	1,300	1,750	1,130	992	893	792	1,780	805
CAL YEAR 2000 TOTAL		5,514.30	MEAN	15.1	MAX	187	MIN	5.1	AC-FT	10,940		
WTR YEAR 2001 TOTAL		6,432.80	MEAN	17.6	MAX	189	MIN	6.1	AC-FT	12,760		

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

BEAVER CREEK near Beaver City, 06847000 - 2001

LOCATION.--SW1/4SW1/4 Sec. 23-2-23 W., Furnas County, Lat. 40° 07' 12", Long. 99° 53' 35", on left bank 400 feet downstream from bridge on U.S. Highway 283, 0.75 mile south of State Highway 89, and 3.5 miles west of Beaver City, and 25.5 miles above the mouth.

DRAINAGE AREA.--2,081 square miles, approximately 1,650 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is 2,164.84 feet above sea level.

PERIOD OF RECORD.--1936 - present (Some records are monthly discharge only, published in WSP 1310).

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

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 9,510 cubic feet per second June 14, 1983, gage height 15.68 ft.
No flow during many years.

EXTREMES FOR CURRENT YEAR.--Peak discharge 19 cubic feet per second March 9, gage height 3.29 feet; minimum daily discharge 0.03 cubic feet per second July 16-18.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.04	.39	.50	.70E	.16	.70	1.9	1.2	1.7	.12	.10	.26
2	.11	.30	.49	.65E	.53	.33	2.1	.99	1.7	.13	.33	.26
3	.13	.28	.49	.67E	.31	1.5	2.1	.95	2.4	.08	.29	.29
4	.18	.23	.36	.69E	.18	1.5	2.1	2.2	2.2	.09	.31	.31
5	.28	.24	.40	.69E	.32	1.2	2.2	8.1	2.1	.26	.25	.25
6	.44	.34	.44	.64	.37	2.1	2.4	5.5	2.5	.21	.25	.24
7	.42	.41	.53	.46	.44	5.0	3.2	8.9	2.3	.08	.18	.21
8	.57	.48	.56	.38	.21	6.8	3.2	9.1	2.1	.06	.21	.27
9	.81	.49	.57	.45	.20E	9.6	2.9	6.6	2.1	.16	.17	.25
10	1.0	.50	.54	.49	.22E	15	2.8	5.9	1.7	.10	.13	.20
11	1.1	.41E	.53E	.43	.24E	9.2	4.2	5.2	1.7	.13	.24	.14
12	1.0	.40E	.51E	.37	.26E	9.5	3.7	4.6	1.7	.20	.30	.13
13	.92	.39E	.49E	.34	.24	6.6	3.1	4.2	1.1	.17	.59	.13
14	1.2	.37E	.47E	1.0	.35	6.8	2.8	3.7	1.7	.13	.41	.10
15	1.3	.35E	.45E	.73	.49	4.8	2.6	3.2	1.6	.05	.63	1.0
16	1.3	.35E	.45E	.40	.27	4.9	2.4	2.2	1.5	.03	.36	.37
17	1.3	.37E	.80E	.36E	.36	4.5	2.3	2.1	1.5	.03	.40	.19
18	1.4	.39E	1.2 E	.31E	.47	4.5	2.1	1.9	1.2	.03	.48	.80
19	1.3	.41E	1.5 E	.32E	.70	3.8	2.0	1.6	1.2	.04	.65	.35
20	1.5	.44E	1.6	.32E	.37	3.6	2.2	1.4	1.2	.12	.54	.26
21	1.2	.47E	1.6	.33E	.25	3.1	2.3	1.6	.98	.08	.46	.23
22	.88	.50E	3.1	.33E	.47	2.9	3.3	1.5	.84	.09	.50	.27
23	1.6	.53E	3.3	.34E	.25	2.7	3.2	1.2	.72	.20	.65	.29
24	1.8	.56E	3.3	.30	.25E	2.6	2.7	1.3	.60	.48	1.0	.29
25	1.3	.57E	4.5	.46	.30E	2.2	4.4	1.4	.53	.53	.64	.30
26	1.1	.62	4.6	.27	.40E	2.1	4.7	1.2	.44	.51	.41	.25
27	1.1	.58	3.3	.40	.50E	2.0	3.7	1.0	.34	.78	.33	.22
28	1.7	.51	1.9	.31	.60E	1.9	2.6	.90	.25	.52	.29	.19
29	.87	.59	1.0	.26	-----	1.9	2.0	1.1	.22	.31	.37	.15
30	.45	.52	.93	.24	-----	1.9	1.7	1.7	.18	.35	.36	.15
31	.40	-----	1.1	.17	-----	1.9	-----	1.8	-----	.15	.29	-----
TOTAL	28.70	12.99	41.51	13.81	9.71	127.13	82.9	94.24	40.30	6.22	12.12	8.35
MEAN	.93	.43	1.34	.45	.35	4.10	2.76	3.04	1.34	.20	.39	.28
MAX	1.8	.62	4.6	1.0	.70	15	4.7	9.1	2.5	.78	1.0	1.0
MIN	.04	.23	.36	.17	.16	.33	1.7	.90	.18	.03	.10	.10
AC-FT	57	26	82	27	19	252	164	187	80	12	24	17

CAL YEAR 2000	TOTAL	789.99	MEAN	2.16	MAX	142	MIN	.04	AC-FT	1,570
WTR YEAR 2001	TOTAL	477.98	MEAN	1.31	MAX	15	MIN	.03	AC-FT	948

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

HARLAN COUNTY RESERVOIR near Republican City, 06849000 - 2001

LOCATION.--Sec. 11-1-17 W., Harlan County, Lat. 40° 04' 10", Long. 99° 12' 30", at left end of spillway on upstream side of Harlan County Dam on Republican River, 2 miles southeast of Republican City and 8 miles southeast of Alma.

DRAINAGE AREA.--20,750 square miles, approximately 13,530 square miles contributes directly to surface runoff.

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

PERIOD OF RECORD.--November 1952 - present

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	204,700	206,000	210,500	215,000	223,000	235,400	264,100	284,300	306,500	300,200	273,300	238,900
2	204,700	206,200	210,600	215,100	223,200	235,600	264,700	284,400	306,600	298,500	272,100	238,300
3	204,500	206,200	210,700	215,300	223,500	236,300	264,900	285,000	307,300	297,100	270,700	237,200
4	204,300	206,700	210,900	215,500	223,900	236,900	265,700	285,900	308,200	295,600	269,900	236,500
5	204,500	206,800	210,900	215,600	224,200	237,600	267,000	291,100	309,200	294,300	267,100	235,500
6	203,900	207,600	211,400	215,900	224,600	238,600	267,100	293,100	309,500	293,500	265,100	235,000
7	203,800	208,000	211,600	216,100	305,200	240,000	269,000	293,900	310,000	292,600	263,100	234,500
8	203,600	207,700	211,800	216,200	225,700	242,000	269,200	294,900	310,400	291,400	261,400	234,100
9	203,400	207,600	212,000	216,400	226,600	244,300	270,300	295,800	310,800	290,000	259,800	234,500
10	203,200	207,500	212,200	216,600	226,900	246,200	270,000	296,400	311,000	288,200	257,700	234,200
11	202,900	207,500	212,600	216,800	227,100	248,100	272,100	297,400	311,300	286,800	256,100	234,200
12	202,700	208,900	212,700	217,000	227,200	249,900	273,300	297,800	311,600	285,700	254,500	233,900
13	202,900	208,900	212,500	217,300	227,400	250,900	273,400	298,500	311,800	284,000	252,900	233,600
14	202,800	208,400	212,500	217,600	227,700	251,900	274,100	299,000	312,100	282,600	251,700	233,300
15	203,000	208,300	212,600	218,000	228,100	252,900	274,600	299,200	311,800	281,000	250,800	234,700
16	202,700	208,500	212,800	218,400	228,500	254,200	275,100	299,700	311,700	279,800	249,800	235,900
17	202,800	208,600	213,000	218,600	228,700	254,900	275,800	300,800	311,700	278,400	248,900	236,300
18	202,800	208,700	213,200	218,900	229,000	255,500	275,900	300,400	311,800	276,800	248,500	237,300
19	202,700	208,800	213,300	219,100	229,300	256,300	276,200	300,900	311,000	275,300	247,100	237,900
20	202,400	208,900	213,500	219,300	229,500	256,800	276,900	301,300	311,300	276,600	246,700	238,100
21	202,400	208,800	213,700	219,400	229,900	257,500	277,600	301,900	311,000	275,600	244,900	238,600
22	202,500	209,000	213,700	219,600	230,200	258,200	278,000	301,900	310,700	274,500	244,000	238,000
23	203,500	209,000	213,900	219,900	230,200	258,900	279,800	302,000	310,100	273,500	242,500	238,300
24	203,700	209,100	214,000	220,000	231,000	259,500	279,800	301,800	309,600	273,000	243,400	238,000
25	204,200	209,200	214,100	220,200	232,000	260,100	281,100	301,900	308,700	273,300	243,900	237,900
26	204,300	209,400	214,300	220,800	233,000	260,800	282,000	302,000	307,500	272,500	243,900	237,800
27	204,200	209,600	214,400	221,100	234,200	261,400	282,600	302,200	306,000	274,800	243,500	237,600
28	204,400	209,900	214,600	221,400	234,700	262,000	283,000	302,700	304,400	276,000	242,900	237,600
29	205,000	210,200	214,700	221,700	-----	262,500	283,200	303,000	303,200	276,200	242,100	237,500
30	205,400	209,800	214,700	222,600	-----	263,200	283,600	305,400	304,200	176,500	240,600	237,400
31	205,300	-----	214,900	222,700	-----	264,000	-----	305,800	-----	274,400	239,900	-----
MAX	205,400	210,200	214,900	222,700	305,200	264,000	283,600	305,800	312,100	300,200	273,300	238,900
MIN	202,400	206,000	210,500	215,000	223,000	235,400	264,100	284,300	303,200	176,500	239,900	233,300
CHANGE	500	4,500	5,100	7,800	12,000	29,300	19,600	22,200	-1,600	-29,800	-34,500	-2,500
CAL YEAR 2000			MEAN	315,679	MAX	336,100	MIN	202,400				
WTR YEAR 2001			MEAN	248,022	MAX	312,100	MIN	176,500				

REPUBLICAN RIVER BASIN

NAPONEE CANAL from Republican River, 00105000 - 2001

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

GAGE.--Sparling Meter

PERIOD OF RECORD.--1955 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	12	22	21
2									0	20	31	21
3									0	22	26	7.0
4									0	24	26	0
5									0	21	26	0
6									0	19	30	0
7									0	19	33	0
8									0	19	35	0
9									0	19	31	0
10									0	19	24	0
11									0	20	21	0
12									0	21	21	0
13									0	21	23	0
14									0	21	25	0
15									0	21	26	0
16									0	21	26	0
17									0	26	26	0
18									0	32	22	0
19									0	37	20	0
20									10	29	20	0
21									17	23	22	0
22									19	22	24	0
23									20	25	24	0
24									20	27	9.0	0
25									20	24	0	0
26									23	0	0	0
27									25	0	0	0
28									25	0	0	0
29					-----				25	0	13	0
30					-----				22	0	21	0
31		-----			-----		-----		-----	20	21	-----
TOTAL									226	584	648.0	49.0
MEAN									7.53	18.8	20.9	1.63
MAX									25	37	35	21
MIN									0	0	0	0
AC-FT									448	1,160	1,290	97
CAL YEAR 2000	MAX	34	MIN	0	AC-FT	3,640						
WTR YEAR 2001	MAX	37	MIN	0	AC-FT	2,990						

REPUBLICAN RIVER BASIN

FRANKLIN CANAL from Republican River, 00053000 - 2001

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

GAGE.--Continuous stage recorder and orifice

PERIOD OF RECORD.--1954 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	228	163	150
2									0	228	175	141
3									0	227	213	141
4									0	226	226	135
5									0	214	226	131
6									0	207	242	118
7									0	206	252	81
8									0	223	252	21
9									0	230	255	0
10									0	230	255	0
11									0	230	254	0
12									0	230	254	0
13									0	230	244	0
14									0	230	228	0
15									0	229	217	0
16									0	228	199	0
17									0	228	191	0
18									0	228	190	0
19									0	229	202	0
20									0	216	210	0
21									0	205	209	0
22									0	204	209	0
23									0	205	204	0
24									0	195	177	0
25									99	150	160	0
26									162	65	158	0
27									188	0	157	0
28									208	52	157	0
29					-----				224	114	166	0
30					-----				229	144	171	0
31		-----			-----		-----		-----	151	166	-----
TOTAL									1,110	5,982	6,382	918
MEAN									37.0	193	206	30.6
MAX									229	230	255	150
MIN									0	0	157	0
AC-FT									2,200	11,870	12,660	1,820
CAL YEAR 2000	MAX	255	MIN	0	AC-FT	38,490						
WTR YEAR 2001	MAX	255	MIN	0	AC-FT	28,550						

REPUBLICAN RIVER BASIN

FRANKLIN PUMP CANAL from Republican River, 00054000 - 2001

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

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

PERIOD OF RECORD.--1954 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	22	28	24
2									0	24	29	25
3									0	25	39	25
4									0	34	40	27
5									0	38	40	28
6									0	37	42	9.0
7									0	37	42	0
8									0	37	34	0
9									0	39	28	0
10									0	40	24	0
11									0	39	23	0
12									0	36	20	0
13									0	35	18	0
14									0	29	29	0
15									0	25	28	0
16									0	26	28	0
17									0	25	29	0
18									0	29	26	0
19									0	32	22	0
20									0	20	25	0
21									0	0	28	0
22									6.0	0	27	0
23									0	5.0	27	0
24									0	16	11	0
25									0	15	0	0
26									0	0	2.0	0
27									0	0	18	0
28									5.0	0	30	0
29					-----				20	0	39	0
30					-----				23	0	37	0
31		-----			-----		-----		-----	14	35	-----
TOTAL									54.0	679.0	848.0	138.0
MEAN									1.80	21.9	27.4	4.60
MAX									23	40	42	28
MIN									0	0	0	0
AC-FT									107	1,350	1,680	274
CAL YEAR 2000	MAX	41	MIN	0	AC-FT	3,940						
WTR YEAR 2001	MAX	42	MIN	0	AC-FT	3,410						

REPUBLICAN RIVER BASIN

THOMPSON CREEK at Riverton, 06851500 - 2001

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 1,960 cubic feet per second May 5, gage height 9.80 feet based on observation of high water mark; minimum daily discharge estimated at 10 cubic feet per second December 31.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	20	20	11E	15E	26	22	21	25	18	21	17
2	16	18	20	16E	13E	31	21	22	23	17	19	16
3	16	18	21	21E	13E	30	21	25	139	17	19	15
4	16	19	21	15	17E	29	22	316	40	19	19	14
5	17	23	20	18	23	32	24	1,020	27	19	18	14
6	16	36	20	19	27	38	25	160	24	19	18	14
7	15	18	22	18	30	92	27	43	25	18	18	15
8	13	18	23	20	26E	267	26	20	25	18	18	16
9	14	18	21	20	22E	564	25	18	30	18	19	15
10	15	16	19	21	17E	706	24	36	22	17	19	14
11	15	17	18E	22	15E	181	33	17	22	17	23	14
12	15	17	16E	19	18E	104	26	17	22	17	25	13
13	17	17E	14E	19	19E	382	24	18	21	18	25	13
14	17	16E	14E	18	19	547	23	17	24	18	27	14
15	17	16E	15E	17	20	131	19	16	20	17	29	20
16	17	17E	16E	17	19E	48	20	17	19	17	22	24
17	17	16E	17E	16E	19E	37	19	19	19	15	19	18
18	16	16E	17E	16E	20E	31	20	18	19	15	26	18
19	16	16E	17E	14E	20E	29	20	19	20	18	28	17
20	17	16E	17E	13E	20E	30	19	23	20	18	27	17
21	17	17	16E	12E	21E	32	21	20	19	19	23	16
22	19	18	15E	13E	20E	32	23	18	19	22	19	16
23	18	18	16E	15	19	33	21	17	18	25	28	15
24	21	18	16E	15	166	30	20	16	18	34	55	15
25	20	19	16E	14	72	26	20	15	18	33	28	14
26	19	19	15E	14E	49	24	19	16	17	28	26	14
27	19	19	14E	15E	61	24	20	17	20	50	26	15
28	19	21	14E	15E	46	25	20	17	19	19	21	15
29	20	21	13E	16E	-----	25	19	21	18	16	16	16
30	19	20	12E	16E	-----	25	20	111	18	20	16	17
31	19	-----	10E	15E	-----	24	-----	30	-----	25	16	-----
TOTAL	527	558	525	510	846	3,635	663	2,160	770	641	713	471
MEAN	17.0	18.6	16.9	16.5	30.2	117	22.1	69.7	25.7	20.7	23.0	15.7
MAX	21	36	23	22	166	706	33	1,020	139	50	55	24
MIN	13	16	10	11	13	24	19	15	17	15	16	13
AC-FT	1,050	1,110	1,040	1,010	1,680	7,210	1,320	4,280	1,530	1,270	1,410	934
CAL YEAR 2000 TOTAL		12,421	MEAN	33.9	MAX	2,350	MIN	10	AC-FT	24,640		
WTR YEAR 2001 TOTAL		12,019	MEAN	32.9	MAX	1,020	MIN	10	AC-FT	23,840		

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

ELM CREEK at Amboy, 06852000 - 2001

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 9,540 cubic feet per second July 4, 2000 at gage height 17.10 feet; minimum daily discharge 6.2 cubic feet per second August 28, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharge 640 cubic feet per second May 5, gage height 12.90 feet; minimum daily discharge 9.3 cubic feet per second August 22 & 29.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	13	13	14	10E	17	15	14	23	11	12	10
2	12	12	13	14	10E	15	15	14	16	10	11	10
3	12	12	13	14	11E	14	16	16	23	11	11	10
4	12	12	13	14	12	14	15	61	26	11	10	10
5	13	16	13	14	13	14	16	399	19	12	10	9.8
6	13	37	13	14	14	16	16	74	16	11	9.6	9.9
7	13	19	13	14	21	23	16	30	15	11	10	11
8	13	15	14	14	18E	30	16	22	13	10	11	12
9	13	14	14	14	14E	99	16	20	12	9.4	11	11
10	13	13	13E	14	11E	169	16	34	12	9.7	10	11
11	14	14	12E	14	10E	63	19	21	12	9.7	11	11
12	14	14	13E	13E	11	25	17	19	12	11	10	11
13	14	13	13E	12E	11	141	17	18	12	10	9.6	11
14	14	13	13E	13E	11	251	16	16	12	11	9.7	11
15	14	13	13E	13E	11	54	16	16	11	11	11	14
16	13	13	13E	12E	11	21	16	15	11	9.8	10	16
17	14	13	13	12E	11	15	16	15	11	10	9.9	14
18	14	13	14	11E	11	13	16	15	11	9.4	9.6	13
19	14	13	14	11E	11	12	16	14	11	10	9.4	13
20	14	13	14	11E	11	12	16	16	12	12	9.5	12
21	14	13	14	12	11	12	16	15	12	11	9.8	12
22	15	13	16	12	11	12	16	14	12	10	9.3	12
23	15	13	14E	12	11	13	20	14	12	9.7	9.8	12
24	15	13	14E	12	14	12	18	13	11	13	11	12
25	15	13	14E	12	19E	12	15	13	11	35	10	12
26	14	13	14E	12	24E	13	15	12	11	14	10	12
27	13	13	14	12	22E	13	15	12	11	47	9.7	12
28	14	13	14	12	17	14	15	12	11	18	9.4	12
29	15	13	14	12	-----	14	15	13	11	15	9.3	11
30	14	13	14	12	-----	14	15	74	11	13	11	11
31	13	-----	14	11E	-----	15	-----	67	-----	13	11	-----
TOTAL	422	425	420	393	372	1,162	482	1,108	403	408.7	315.6	348.7
MEAN	13.6	14.2	13.5	12.7	13.3	37.5	16.1	35.7	13.4	13.2	10.2	11.6
MAX	15	37	16	14	24	251	20	399	26	47	12	16
MIN	12	12	12	11	10	12	15	12	11	9.4	9.3	9.8
AC-FT	837	843	833	780	738	2,300	956	2,200	799	811	626	692
CAL YEAR 2000 TOTAL		9,152.80	MEAN	25.0	MAX	2,690	MIN	7.4	AC-FT	18,150		
WTR YEAR 2001 TOTAL		6,260.00	MEAN	17.2	MAX	399	MIN	9.3	AC-FT	12,420		

E indicates estimated discharge.

REPUBLICAN RIVER BASIN

COURTLAND CANAL from Republican River, 00031000 - 2001

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

GAGE.--Continuous stage recorder and orifice

PERIOD OF RECORD.--1952 -present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				85	81				0	368	194	244
2				85	82				0	390	215	249
3				85	82				0	404	233	252
4				85	82				0	407	303	253
5				85	37				0	412	331	253
6				85	0				0	389	398	236
7				85	0				0	350	430	205
8				85					0	350	432	205
9				86					0	350	426	181
10				86					0	357	378	131
11				87					0	382	358	131
12				88					0	382	358	128
13				91					71	382	358	107
14				91					119	382	358	142
15				94					124	382	358	169
16				88					127	382	299	214
17				85					127	382	288	211
18				85					127	369	289	183
19				85					127	365	289	161
20				85					142	331	287	141
21				85					202	246	286	128
22				85					222	221	286	119
23				85					221	254	275	113
24				85					220	311	265	112
25				82					229	344	267	111
26				82					295	354	267	110
27				82					347	198	258	107
28				82					366	85	205	104
29				81	-----				368	84	186	101
30				81	-----				368	84	203	101
31		-----		80	-----		-----		-----	146	231	-----
TOTAL				2,641	364				3,802	9,843	9,311	4,902
MEAN				85.2	52.0				127	318	300	163
MAX				94	82				368	412	432	253
MIN				80	0				0	84	186	101
AC-FT				5,240	722				7,540	19,520	18,470	9,720
CAL YEAR 2000	MAX	595	MIN	0	AC-FT	111,900						
WTR YEAR 2001	MAX	432	MIN	0	AC-FT	61,220						

REPUBLICAN RIVER BASIN

SUPERIOR CANAL from Republican River, 00137000 - 2001

LOCATION.--NW1/4NW1/4 Sec. 8-1-9 W. near Guide Rock

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

PERIOD OF RECORD.--1951 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	115	50	54
2									0	108	78	16
3									0	103	91	0
4									0	103	99	0
5									0	98	124	0
6									0	88	134	0
7									0	86	132	0
8									0	84	132	0
9									0	83	133	0
10									0	86	133	0
11									0	86	134	0
12									0	87	134	0
13									0	89	133	0
14									0	90	129	0
15									0	100	119	0
16									0	107	108	0
17									0	107	99	0
18									0	114	90	0
19									0	72	91	0
20									0	16	86	0
21									0	0	84	0
22									17	0	83	0
23									26	0	90	0
24									24	0	90	0
25									59	0	84	0
26									83	0	83	0
27									86	0	82	0
28									110	0	87	0
29					-----				117	0	95	0
30					-----				115	0	88	0
31		-----			-----		-----		-----	0	76	-----
TOTAL									637	1,822	3,171	70
MEAN									21.2	58.8	102	2.33
MAX									117	115	134	54
MIN									0	0	50	0
AC-FT									1,260	3,610	6,290	139
CAL YEAR 2000	MAX	146	MIN	0	AC-FT	18,470						
WTR YEAR 2001	MAX	134	MIN	0	AC-FT	11,310						

BIG BLUE RIVER BASIN

BIG BLUE RIVER at Surprise, 06879900 - 2001

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 287 cubic feet per second May 5, gage height 3.07 feet; no flow October 5 - 7, and September 4 - 6.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.03	.95	1.5	.80E	2.4E	4.0E	6.7	5.2	26	4.4	2.9	.78
2	.04	.96	1.5	.85E	2.5E	5.0E	7.1	4.6	9.3	4.2	3.1	.64
3	.04	.83	1.5	1.2 E	2.5E	7.8E	6.8	7.4	7.0	4.1	2.3	.31
4	.01	.93	1.5	1.6 E	2.3E	20 E	6.5	29	6.6	4.0	1.9	0
5	0	.89	1.4	1.7 E	2.3E	58 E	6.5	209	6.4	4.2	2.2	0
6	0	2.2	1.5	1.8 E	2.9E	70 E	7.2	173	6.2	3.8	3.7	0
7	0	2.7	1.6	1.9 E	3.8E	100 E	6.9	165	8.1	3.0	3.2	.09
8	.02	2.9	1.7	1.9 E	3.8E	110 E	6.8	63	8.1	3.0	3.0	.36
9	.11	2.9	1.6	2.0 E	3.2E	118 E	5.9	37	6.8	3.0	4.0	.38
10	.20	2.0	1.3 E	2.1 E	2.9E	118 E	6.4	27	15	4.4	3.5	.61
11	.27	1.6	1.0 E	2.6 E	2.9E	110 E	21	24	6.2	4.8	2.0	.31
12	.37	1.4	.80E	2.8 E	2.7E	102 E	40	36	5.3	6.3	1.7	.20
13	.41	.95	.90E	3.0 E	3.0E	90 E	23	43	5.4	10	2.8	.08
14	.48	.79	.92E	3.0 E	3.0E	80 E	13	39	7.4	94	3.7	.03
15	.67	.71	.92E	3.0 E	3.0E	56 E	9.2	36	7.9	67	5.0	.12
16	.91	.74	.98E	2.9 E	3.0E	48 E	7.8	33	7.1	40	3.7	.17
17	1.1	.71	1.0 E	2.4 E	3.0E	41	7.0	32	6.5	25	2.4	.22
18	1.0	.72	.90E	2.1 E	2.9E	36	6.9	29	4.8	18	1.8	.15
19	.25	.85	.90E	1.6 E	3.0E	27 E	6.5	20	7.3	15	1.9	.14
20	.42	.77	.88E	1.5 E	3.0E	18	6.2	25	4.9	14	2.1	.20
21	.61	.75	.80E	1.6 E	3.0E	15	6.2	36	4.8	11	.95	.17
22	.93	.80	.80E	1.8 E	3.1E	12	6.5	39	4.5	7.0	.68	.15
23	2.0	1.1	.90E	2.0 E	3.2E	10	6.1	27	4.7	9.7	.85	.12
24	2.5	1.2	.90E	1.9 E	3.4E	9.0	5.6	22	6.0	12	1.8	.12
25	2.2	1.3	.90E	2.1 E	3.1E	7.8	5.1	20	5.1	9.0	3.1	.10
26	2.9	1.4	.92E	2.0 E	3.2E	7.0	5.3	18	4.3	7.1	2.4	.11
27	2.2	1.5	1.0 E	2.0 E	3.1E	6.4	5.5	18	4.0	6.2	1.9	.13
28	.89	1.5	1.0 E	2.0 E	3.8E	6.0	6.4	17	4.0	5.5	1.5	.08
29	1.3	1.5	.93E	2.3 E	-----	5.8	6.6	16	4.1	4.9	1.4	.07
30	1.6	1.5	.88E	2.4 E	-----	6.0	5.9	22	3.7	4.7	1.4	.08
31	1.1	-----	.80E	2.4 E	-----	6.8	-----	28	-----	3.6	.14	-----
TOTAL	24.56	39.05	34.13	63.25	84.0	1,310.6	266.6	1,300.2	207.5	412.9	73.02	5.92
MEAN	.79	1.30	1.10	2.04	3.00	42.3	8.89	41.9	6.92	13.3	2.36	.20
MAX	2.9	2.9	1.7	3.0	3.8	118	40	209	26	94	5.0	.78
MIN	0	.71	.80	.80	2.3	4.0	5.1	4.6	3.7	3.0	.14	0
AC-FT	49	77	68	125	167	2,600	529	2,580	412	819	145	12
CAL YEAR 2000 TOTAL		1,593.34	MEAN	4.35	MAX	212	MIN	0	AC-FT	3,160		
WTR YEAR 2001 TOTAL		3,821.73	MEAN	10.5	MAX	209	MIN	0	AC-FT	7,580		

E indicates estimated discharge.

BIG BLUE RIVER BASIN

LINCOLN CREEK near Seward, 06880000 - 2001

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 377 cubic feet per second March 6, gage height 9.88 feet; maximum gage height 10.46 feet March 5 due to backwater from ice; minimum daily discharge 10 cubic feet per second August 8.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	20	23	20E	12E	12E	32	29	42	24	18	14
2	14	20	23	19E	11E	14E	31	29	39	24	19	13
3	14	19	23	20E	11E	18E	30	30	39	24	19	14
4	14	19	23	20E	12E	35E	30	34	38	27	18	14
5	15	19	23	21E	13E	90E	31	182	38	22	16	14
6	16	23	23E	21E	13E	340E	31	274	40	20	15	14
7	15	25	23	20E	13E	284	31	250	39	19	13	14
8	15	23	23	20E	12E	199	31	274	38	21	10	17
9	16	22	23	21E	11E	213	31	147	37	22	12	15
10	16	20E	22E	22E	11E	186	31	81	43	20	12	14
11	16	20E	19E	22E	12E	117	35	62	38	22	11	14
12	17	21E	16E	21E	12E	74	36	54	36	54	11	14
13	17	22E	16E	21E	13E	89	42	53	37	112	14	13
14	17	21E	17E	20E	14E	128	40	46	74	88	13	13
15	17	23E	18E	20E	13E	121	38	41	47	38	15	14
16	17	21E	20E	18E	12E	87	35	39	39	30	17	14
17	17	22E	22E	17E	11E	63	35	37	37	24	17	14
18	17	23E	23E	16E	12E	58	35	36	35	21	17	14
19	18	23E	23E	15E	13E	47	35	35	35	21	17	14
20	18	22E	23E	15E	14E	46	34	36	34	20	17	14
21	18	23E	20E	16E	14E	47	33	37	33	19	16	14
22	18	24E	19E	19E	12E	39	33	38	32	22	15	13
23	18	23E	20E	18E	12E	38	33	59	32	29	13	16
24	18	22E	20E	17E	13E	36	31	49	31	24	14	15
25	19	22	20E	17E	14E	33	34	39	30	22	14	14
26	19	23	21E	18E	14E	32	32	37	29	19	14	13
27	19	23	22E	17E	13E	31	30	40	29	21	13	13
28	19	23	22E	17E	12E	31	30	37	28	20	14	13
29	20	23	21E	17E	-----	31	29	35	27	19	15	13
30	21	23	20E	15E	-----	31	29	40	25	20	17	12
31	21	-----	20E	14E	-----	32	-----	51	-----	18	15	-----
TOTAL	531	657	651	574	349	2,602	988	2,231	1,101	886	461	417
MEAN	17.1	21.9	21.0	18.5	12.5	83.9	32.9	72.0	36.7	28.6	14.9	13.9
MAX	21	25	23	22	14	340	42	274	74	112	19	17
MIN	14	19	16	14	11	12	29	29	25	18	10	12
AC-FT	1,050	1,300	1,290	1,140	692	5,160	1,960	4,430	2,180	1,760	914	827
CAL YEAR 2000 TOTAL		11,799.00	MEAN	32.2	MAX	422	MIN	12	AC-FT	23,400		
WTR YEAR 2001 TOTAL		11,448.00	MEAN	31.4	MAX	340	MIN	10	AC-FT	22,710		

E indicates estimated discharge.

BIG BLUE RIVER BASIN

BIG BLUE RIVER at Seward, 06880500 - 2001

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 779 cubic feet per second June 14, gage height 6.91 feet; minimum daily discharge 4.1 cubic feet per second August 9.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	40	35E	30E	30E	35E	60	54	122	43	21	16
2	22	39	36E	28E	28E	46E	60	55	118	45	21	15
3	24	35	36E	29E	29E	80E	63	61	101	40	20	17
4	23	33	36E	30E	30E	130E	61	70	93	46	18	16
5	24	32	35E	31E	31E	300E	61	257	84	38	17	15
6	24	35	37E	32E	31E	500E	63	576	84	31	14	14
7	25	40	38E	32E	31E	740E	64	592	82	26	10	16
8	24	40	40E	32E	30E	635	65	533	75	30	5.5	20
9	24	39	38E	32E	30E	673	66	288	71	32	4.1	18
10	24	38E	33E	33E	30E	720	67	163	85	31	5.7	17
11	24	38E	27E	33E	31E	619	73	124	115	36	8.0	16
12	24	38E	27E	32E	33E	414	82	106	145	74	7.7	15
13	25	38E	28E	32E	35E	327	121	93	84	145	10	15
14	26	37E	29E	31E	36E	430	123	83	478	131	9.4	14
15	27	35E	30E	31E	36E	514	102	75	110	71	16	17
16	28	33E	31E	31E	32E	389	87	69	113	115	19	18
17	30	32E	32E	30E	32E	195	80	66	80	113	24	19
18	31	32E	33E	30E	35E	150	75	60	68	80	27	20
19	33	31E	34E	28E	36E	115	70	57	69	63	28	20
20	35	31E	34E	28E	36E	99	68	60	67	55	25	20
21	35	30E	34E	28E	35E	91	66	67	72	46	22	20
22	36	31E	34E	29E	35E	81	65	71	69	44	19	19
23	36	32E	34E	30E	36E	78	66	104	62	56	15	23
24	36	33E	34E	28E	37E	72	63	98	58	46	17	25
25	36	33E	35E	25E	37E	64	63	72	56	39	17	22
26	34	33E	36E	25E	35E	61	59	63	55	35	16	17
27	34	34E	37E	26E	34E	61	56	61	54	37	13	15
28	34	34E	37E	27E	32E	58	53	63	51	38	13	14
29	36	35E	37E	28E	-----	57	53	60	50	39	16	14
30	37	35E	37E	27E	-----	57	53	70	46	34	21	14
31	38	-----	35E	26E	-----	58	-----	106	-----	27	18	-----
TOTAL	911	1,046	1,059	914	923	7,849	2,108	4,277	2,817	1,686	497.4	521
MEAN	29.4	34.9	34.2	29.5	33.0	253	70.3	138	93.9	54.4	16.0	17.4
MAX	38	40	40	33	37	740	123	592	478	145	28	25
MIN	22	30	27	25	28	35	53	54	46	26	4.1	14
AC-FT	1,810	2,070	2,100	1,810	1,830	15,570	4,180	8,480	5,590	3,340	987	1,030
CAL YEAR 2000 TOTAL		21,444.0	MEAN	58.6	MAX	841	MIN	14	AC-FT	42,530		
WTR YEAR 2001 TOTAL		24,608.4	MEAN	67.4	MAX	740	MIN	4.1	AC-FT	48,810		

E indicates estimated discharge.

BIG BLUE RIVER BASIN

TURKEY CREEK near Wilber, 06881200 - 2001

LOCATION.--NE1/4NE1/4 Sec. 19-6-4 E., Saline County, Lat. 40° 28' 48", Long. 97° 00' 43", on left bank near downstream side of bridge on State Highway 41, 2.8 miles west of Wilber.

DRAINAGE AREA.--461 square miles.

GAGE.--Continuous stage recorder. Gage datum 1322.00 feet above sea level.

PERIOD OF RECORD.--1959 - present

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

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 33,000 cubic feet per second June 13, 1984, gage height 21.43 feet.
No flow September 20, 21, 24, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharge 3,670 cubic feet per second June 14, gage height 15.81 feet; minimum daily discharge 2.0 cubic feet per second October 4 & September 14.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	8.1	5.0E	8.0E	3.4E	10E	31	20	282	47	29	5.4
2	2.6	7.2	5.0E	7.2E	3.0E	16E	30	20	225	45	21	4.2
3	3.1	7.9	4.8E	7.8E	3.2E	30E	30	144	189	43	17	3.4
4	2.0	7.5	4.0E	9.0E	3.6E	50E	36	432	186	37	17	3.4
5	2.3	7.1	7.4E	11 E	5.0E	130E	36	2,010	188	36	17	2.6
6	3.4	7.3	8.2E	12	6.0E	220E	31	1,760	139	35	15	3.2
7	3.2	7.4	8.6E	12	6.0E	270E	29	1,710	101	33	12	4.9
8	3.8	7.2	9.0E	13	6.2E	325E	30	736	73	35	8.9	18
9	3.5	7.2	9.0E	15	5.2E	465	28	409	58	33	7.4	12
10	3.3	6.3	8.6E	15	5.0E	775	27	183	47	46	9.1	8.4
11	3.1	6.4E	7.2E	15	4.6E	896	29	123	40	58	8.1	5.0
12	2.8	6.2E	5.8E	15 E	5.6E	895	32	108	36	66	6.2	3.5
13	3.4	6.0E	5.4E	15 E	7.0E	602	34	118	33	37	4.3	2.4
14	3.8	5.8E	6.0E	14 E	6.0E	743	32	96	2,190	30	25	2.0
15	3.6	5.8E	7.0E	14 E	5.4E	766	32	71	2,700	28	27	94
16	3.9	6.0E	7.4E	13 E	4.6E	518	30	57	2,460	28	16	102
17	3.8	6.2E	8.0E	10 E	4.4E	228	28	50	2,100	39	11	269
18	3.3	6.0E	8.0E	7.8E	4.6E	110	27	45	546	40	9.4	615
19	2.7	5.0E	8.0E	4.4E	4.6E	75	26	42	294	27	8.2	731
20	2.6	5.6E	7.8E	4.2E	5.0E	58	25	510	270	24	9.7	497
21	3.0	5.4E	7.8E	4.0E	6.0E	48	25	655	194	24	9.7	269
22	2.8	5.4E	7.0E	4.0E	6.0E	46	27	138	131	22	9.7	141
23	3.4	5.4	7.8E	5.0E	5.8E	44	28	79	109	22	11	74
24	5.4	6.5	9.0E	4.8E	6.8E	40	26	70	90	22	11	61
25	6.3	6.8	8.8E	4.6E	7.0E	36	25	50	76	20	6.7	94
26	11	6.4	9.6E	4.8E	6.0E	34	24	42	65	22	6.4	177
27	5.6	6.0E	10 E	4.6E	6.0E	33	23	38	59	21	5.8	235
28	6.2	6.0E	9.2E	4.6E	7.0E	33	23	36	55	29	5.3	149
29	6.4	5.2E	9.0E	4.8E	-----	33	23	35	52	26	4.7	54
30	7.9	4.8E	8.2E	4.4E	-----	32	21	315	49	42	6.0	30
31	9.8	-----	8.0E	4.0E	-----	32	-----	466	-----	39	6.5	-----
TOTAL	130.6	190.1	234.6	272.0	149.0	7,593	848	10,568	13,037	1,056	361.1	3,670.4
MEAN	4.21	6.34	7.57	8.77	5.32	245	28.3	341	435	34.1	11.6	122
MAX	11	8.1	10	15	7.0	896	36	2,010	2,700	66	29	731
MIN	2.0	4.8	4.0	4.0	3.0	10	21	20	33	20	4.3	2.0
AC-FT	259	377	465	540	296	15,060	1,680	20,960	25,860	2,090	716	7,280
CAL YEAR 2000 TOTAL	12,280.00		MEAN	33.6	MAX	1,120	MIN	2.0	AC-FT	24,360		
WTR YEAR 2001 TOTAL	38,109.80		MEAN	104	MAX	2,700	MIN	2.0	AC-FT	75,590		

E indicates estimated discharge.

BIG BLUE RIVER BASIN

BIG BLUE RIVER at Beatrice, 06881500 - 2001

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 11,000 cubic feet per second June 16, gage height 18.65 feet; minimum daily discharge 135 cubic feet per second estimated December 10, 11, February 2, 11, 17, 18.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	147	248	200E	175E	160E	175E	434	418	2,440	522	442	183
2	147	265	201	170E	135E	195E	417	412	1,770	497	408	190
3	145	260	205	170E	140E	215E	415	567	1,590	478	348	192
4	144	243	190	190E	155E	300E	422	1,530	1,820	471	312	182
5	168	234	197	200E	160E	420E	477	7,130	1,740	457	294	171
6	167	243	211	205E	160E	640E	456	8,230	1,920	426	279	164
7	167	247	181	210E	165E	1,000E	421	6,710	1,340	418	254	195
8	168	239	194	210E	160E	1,750E	419	4,450	970	402	232	339
9	169	240E	185E	215E	160E	2,350E	1,240	3,040	788	387	241	580
10	163	240E	150E	215E	140E	3,200E	838	2,210	680	405	223	343
11	157	245E	135E	225E	135E	4,100E	1,330	1,620	605	479	202	261
12	152	240E	135E	220E	140E	4,800	1,180	1,260	552	1,470	224	236
13	159	240E	140E	225E	145E	6,090	701	1,040	519	1,160	340	210
14	169	245E	145E	200E	145E	5,550	607	908	4,850	693	254	196
15	177	245E	155E	190E	140E	4,360	651	807	8,550	563	242	1,670
16	176	245E	165E	190E	140E	3,100	609	735	10,600	861	250	1,480
17	182	240E	175E	195E	135E	2,290	559	684	7,680	660	367	6,850
18	184	230E	180E	200E	135E	1,720	523	657	4,920	541	322	3,800
19	178	230E	180E	190E	145E	1,320	495	620	3,700	630	256	2,320
20	173	225E	175E	175E	150E	1,050	469	4,120	2,460	577	241	1,660
21	175	215E	170E	175E	165E	886	456	7,320	1,800	483	213	1,290
22	180	220E	160E	185E	200E	778	456	4,190	1,370	442	196	1,010
23	175	225E	155E	205E	215E	745	518	1,860	1,050	417	228	1,220
24	194	225E	160E	205E	225E	707	561	1,240	879	399	276	875
25	183	220E	170E	195E	230E	579	489	922	767	572	209	711
26	208	215E	170E	195E	230E	515	465	784	688	658	190	915
27	220	205E	175E	195E	230E	459	446	694	628	579	180	786
28	223	190E	180E	200E	200E	407	436	625	586	3,690	178	750
29	228	190E	190E	200E	-----	458	427	599	554	1,220	179	604
30	223	195E	190E	200E	-----	443	423	1,570	537	649	176	441
31	224	-----	180E	190E	-----	438	-----	4,350	-----	488	176	-----
TOTAL	5,525	6,944	5,399	6,115	4,640	51,040	17,340	71,302	68,353	21,694	7,932	29,824
MEAN	178	231	174	197	166	1,646	578	2,300	2,278	700	256	994
MAX	228	265	211	225	230	6,090	1,330	8,230	10,600	3,690	442	6,850
MIN	144	190	135	170	135	175	415	412	519	387	176	164
AC-FT	10,960	13,770	10,710	12,130	9,200	101,200	34,390	141,400	135,600	43,030	15,730	59,160
CAL YEAR 2000	TOTAL	136,265	MEAN	372	MAX	5,250	MIN	109	AC-FT	270,300		
WTR YEAR 2001	TOTAL	296,108	MEAN	811	MAX	10,600	MIN	135	AC-FT	587,300		

E indicates estimated discharge.

LITTLE BLUE RIVER BASIN

BIG SANDY CREEK at Alexandria, 06883940 - 2001

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 fair.

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 3,540 cubic feet per second May 5, gage height 11.00 feet; minimum daily discharge 12 cubic feet per second estimated September 6.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 2000 TO SEP 2001

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	20	18	20E	18E	69	30	18	191	26	27	28
2	17	21	18	21	17E	72	29	18	139	25	23	26
3	17	21	17	20	18E	73	28	497	198	47	36	21
4	18	21	17	19	18	80	28	1,150	189	42	50	18
5	19	20	18	19	20	94	27	3,280	316	76	51	14
6	18	22	18	19	20	106	27	1,810	154	174	52	12
7	18	21	17	20	20	110	28	1,020	88	90	53	25
8	19	21	17	19	20	285	28	496	72	55	52	387
9	19	21	18	19	20E	1,200	27	324	58	44	47	54
10	19	21	18E	19	19E	1,660	27	310	48	38	44	30
11	19	21	18E	19	19E	955	32	210	43	37	49	19
12	18	20E	18E	19	19	828	42	151	39	45	53	18
13	18	20E	18E	19	19	1,850	34	103	81	45	51	15
14	19	21E	18E	20	20	2,290	29	82	2,750	41	46	13
15	19	21	19E	19	19	1,740	28	71	1,690	36	55	73
16	19	20	19E	18	20	943	27	62	618	35	57	72
17	19	19	19E	19	19	434	28	55	242	35	60	925
18	20	19	20E	19	19	247	27	52	1,240	34	57	355
19	21	19	20E	19	19	165	25	52	1,010	35	42	259
20	21	19	20E	18E	19	118	24	371	642	37	34	153
21	21	19	20E	18	19	86	24	596	265	37	31	94
22	22	20	19E	18	20	66	26	156	154	36	30	164
23	21	19	19E	18	20	61	26	94	105	34	38	163
24	22	20	19E	18	122	49	25	74	75	31	71	144
25	22	20	20E	20	360	41	24	60	58	116	53	119
26	23	19	19E	19	300	37	23	53	48	157	42	84
27	22	20	20E	19	124	35	22	49	42	99	35	78
28	24	18	19E	19	64	32	21	47	35	256	28	79
29	23	18	20E	20	-----	31	20	46	32	120	20	52
30	22	19	19E	20	-----	30	19	305	29	59	21	41
31	21	-----	19E	19	-----	29	-----	280	-----	37	30	-----
TOTAL	616	600	578	592	1,411	13,816	805	11,892	10,651	1,979	1,338	3,535
MEAN	19.9	20.0	18.6	19.1	50.4	446	26.8	384	355	63.8	43.2	118
MAX	24	22	20	21	360	2,290	42	3,280	2,750	256	71	925
MIN	16	18	17	18	17	29	19	18	29	25	20	12
AC-FT	1,220	1,190	1,150	1,170	2,800	27,400	1,600	23,590	21,130	3,930	2,650	7,010
CAL YEAR 2000 TOTAL		17,610	MEAN	48.1	MAX	1,760	MIN	14	AC-FT	34,930		
WTR YEAR 2001 TOTAL		47,813	MEAN	131	MAX	3,280	MIN	12	AC-FT	94,840		

E indicates estimated discharge.

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