

**2000**

**HYDROGRAPHIC REPORT**

**STATE OF NEBRASKA**

**DEPARTMENT OF NATURAL RESOURCES**

**STATE OF NEBRASKA**

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RESOURCES**

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

**2000**

**Prepared Under the Direction of Roger K. Patterson, Director  
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# TABLE OF CONTENTS

Page

Introduction and Explanation of Data.....	iii-iv
Daily Discharge of Rivers, Streams and Canals, and Storage in Reservoirs, 2000:	
White River Basin.....	1-2
Niobrara River Basin.....	3-31
North Platte River Basin.....	32-94, 99-109
South Platte River Basin.....	95, 110-114
Projects from North & South Platte Rivers.....	96-98
Platte River Basin.....	115-135
Platte River Basin:	
Loup River.....	136-167
Elkhorn River.....	168-176
Republican River Basin.....	177-207
Big Blue River Basin.....	208-212
Little Blue River Basin.....	213
Index.....	215-218

# HYDROGRAPHIC REPORT

2000

## 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 2000 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."

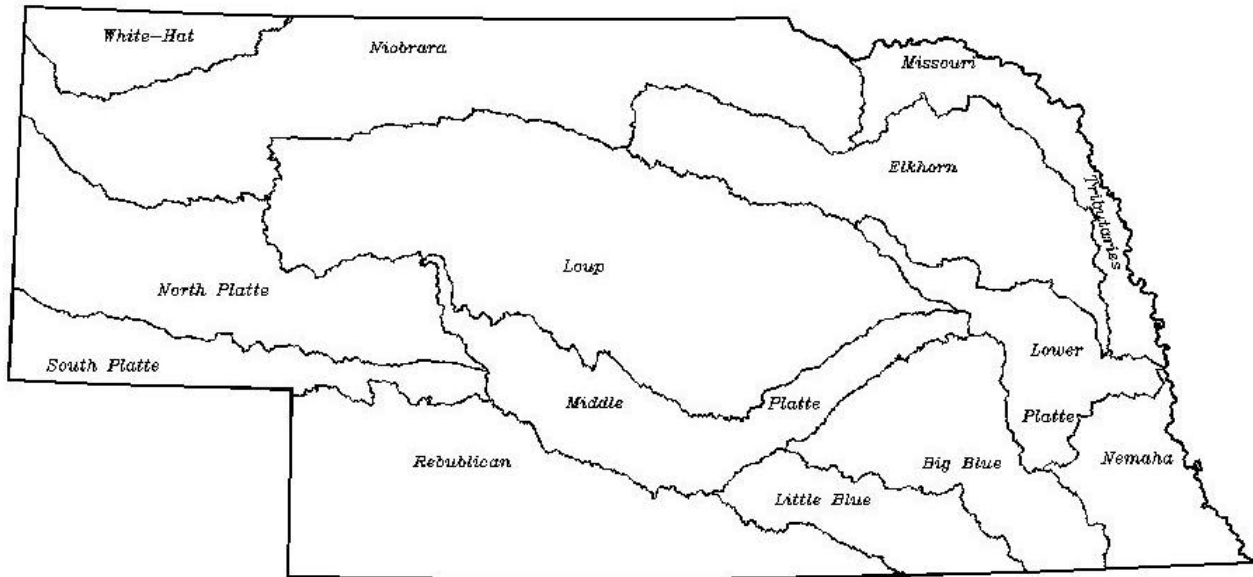
Data may be converted to other common units of measurement using the table of equivalents listed below:

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](http://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 [g lindeman@dnr.state.ne.us](mailto:g lindeman@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](http://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](mailto:mbansal@dnr.state.ne.us)



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

1. Hat Creek
2. White River
3. Ponca Creek
4. Niobrara River
5. Missouri River Tributaries (Niobrara to Platte)
6. Platte River
7. Loup River
8. Elkhorn River
9. Salt Creek
10. Missouri River Tributaries (Platte to Nemaha)
11. Nemaha Rivers
12. Republican River
13. Blue Rivers

# WHITE RIVER BASIN

**WHITE RIVER at Crawford, 06444000 - 2000**

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

DRAINAGE AREA.--313 square miles.

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 116 cubic feet per second May 7, gage height 3.94 feet; minimum daily discharge 9.0 cubic feet per second estimated August 20, 21, 26 - 28.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	19	22	21	23E	26	25	33	27	17	12	13
2	20	18	22	21	23E	25	25	30	25	16	13	12
3	20	18	22	21	24	24	25	28	24	17	17	11
4	21	18	22	20E	22	25	24	27	23	17	21	11
5	20	18	21	21E	23	26	24	26	24	16	15	11
6	20	18	22	21E	23	25	24	26	23	16	13	11
7	20	19	22	21	23	25	25	50	22	15	12	9.2
8	20	19	22	21	23	25E	25	27	21	14	12	9.5
9	20	19	20	22	23	26E	24	26	20	15	12	9.3
10	20	20	21	21	23	26	24	27	21	17	14	9.3
11	20	20	21	21	23	26	24	28	20	28	12	9.4
12	20	20	21	22	23	27	24	26	20	18	11	11
13	20	21	22	21	23	25	24	26	20	17	11	10
14	20	21	22	22	25	24	24	26	21	16	10	9.4
15	21	21	21	22	24	25	25	24	20	14	10	9.7
16	21	21	23	22	24	24	26	24	21	13	13	9.4
17	22	21	22	22	24	24	26	42	21	15	11	9.6
18	20	22	22	22	23	25	26	68	21	18	11	9.1
19	18	25	22	23	23	24	66	37	19	15	10 E	9.7
20	18	23	18	22	23	26	44	35	19	14	9.0E	14
21	18	23	22	22	24	28	38	31	20	15	9.0E	13
22	18	22	22	23	28	28	33	28	19	17	9.7	14
23	18	23	22	23	28	29	31	27	17	15	11	20
24	18	22	21	22	26	27	31	27	18	13	10 E	18
25	18	22	20	20	26	26	30	27	18	12	10 E	17
26	18	23	20	22	23	26	28	27	19	12	9.0E	15
27	19	22	21	22	26	25	27	26	19	13	9.0E	15
28	18	22	21	23	26	25	28	24	19	14	9.0E	14
29	19	22	21	23	26	25	29	24	18	14	9.5	14
30	18	22	21	22	-----	25	43	25	17	13	9.3	14
31	18	-----	21	21E	-----	25	-----	27	-----	12	11	-----
TOTAL	600	624	662	672	698	792	872	929	616	478	355.5	361.6
MEAN	19.4	20.8	21.4	21.7	24.1	25.5	29.1	30.0	20.5	15.4	11.5	12.1
MAX	22	25	23	23	28	29	66	68	27	28	21	20
MIN	18	18	18	20	22	24	24	24	17	12	9.0	9.1
AC-FT	1,190	1,240	1,310	1,330	1,380	1,570	1,730	1,840	1,220	948	705	717
CAL YEAR 1999	TOTAL	7,905.0	MEAN	21.7	MAX	53	MIN	12	AC-FT	15,680		
WTR YEAR 2000	TOTAL	7,660.1	MEAN	20.9	MAX	68	MIN	9.0	AC-FT	15,190		

E indicates estimated discharge.



# WHITE RIVER BASIN

**WHITNEY RESERVOIR from White River, 00410000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3		7,374										
4												
5												
6												
7									10,808			
8												
9												
10												
11				9,872								
12	5,770											
13												
14								10,520				
15												
16												
17		7,640										
18												
19												
20												
21									10,610			
22												
23												
24												
25												
26												
27												
28												
29												
30											6,445	
31		-----				-----			-----			-----

# NIOBRARA RIVER BASIN

## NIOBRARA RIVER at Wyoming-Nebraska State Line, 06454000 - 2000

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 21 cubic feet per second February 22, gage height 3.69 feet; minimum daily discharge 1.3 cubic feet per second September 18.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	3.0	4.1	3.6	3.4	6.1	4.5E	8.9	4.5	2.6E	1.5	1.9
2	2.9	2.8	4.0	3.7	3.6	5.8	4.4E	8.2	4.2	2.5E	1.7	1.9
3	3.1	3.1	4.0	3.5	3.7	5.7E	4.6E	6.9	3.9	2.5E	1.9	1.8
4	3.1	3.2	3.8	3.3	3.5	5.7E	4.4	6.4	3.6	2.5E	2.1	1.8
5	3.0	3.1	3.6	3.4	3.6	5.8E	4.5	5.9	3.3E	2.4E	1.9	1.7
6	3.0	3.2	3.7	3.4	3.7	5.7E	4.4	5.6	3.0E	2.4E	1.8	1.7
7	3.0	3.2	3.7	3.4	3.7	5.8E	4.4	6.0	2.8E	2.4E	1.8	1.5
8	2.9	3.2	3.5	3.3	3.8	6.0E	4.6	5.6	2.5E	2.4E	1.8	1.5
9	2.8	3.2	3.4	3.4	3.8	6.0E	4.9	5.5	2.6E	2.4E	1.8	1.4
10	2.8	3.1	3.7	3.4	4.5	6.5E	4.8	5.3	2.7E	2.4E	1.9	1.4
11	2.8	3.2	3.6	3.5	4.2	6.0E	4.8	5.6	2.8E	2.4E	1.9	1.4
12	2.8	3.1	3.4	3.6	4.1	5.9E	4.9	5.0	2.9E	2.2	1.9	1.4
13	2.8	3.1	3.4	3.4	4.2	5.9E	5.0	4.7	3.0E	2.0	1.8	1.4
14	2.9	3.1	3.3	3.6	4.3	5.8E	5.2	4.5	3.2E	1.9	1.8	1.4
15	2.8	3.1	3.2	3.8	4.7	5.9E	5.1	4.3	3.3E	1.9	1.9	1.4
16	3.0	3.1	3.3	3.8	5.0	5.9E	5.4	4.1	3.1E	1.7	2.0	1.4
17	2.9	3.2	3.4	3.9	5.1	5.9E	5.6	4.7	3.0E	1.8	1.9	1.4
18	3.4	4.3	3.8	4.0	4.8	5.9E	6.1	7.6	2.9E	2.1	1.9	1.3
19	3.1	4.6	3.6	4.1	4.9	5.9E	12	5.7	2.7E	1.8	1.9	1.5
20	3.0	3.8	3.6	4.0	4.9	9.0E	11	6.1	2.5E	1.6	1.8	1.8
21	2.9	3.5	3.6	4.1	5.8	7.0E	11	5.4	2.5E	1.8	1.8	1.7
22	2.9	3.4	3.7	4.1	13	5.8E	9.7	5.0	2.6E	1.6	1.8	2.0
23	2.8	3.5	3.7	4.0	7.0	5.8E	9.5	4.9	2.6E	1.5	1.7	2.5
24	2.7	3.3	3.6	3.8	6.2	5.8E	9.5	4.8	2.7E	1.5	1.7	2.5
25	2.7	3.5	3.7	3.5	5.0	5.7E	9.9	4.9	2.8E	1.5	1.6	2.5
26	2.9	3.8	3.7	3.5	11	5.8E	9.5	5.1	2.8E	1.5	1.6	2.4
27	2.9	3.9	3.8	4.0	5.9	6.0E	8.8	5.1	2.9E	1.6	1.5	2.4
28	3.1	4.0	3.9	3.7	5.2	5.8E	8.3	5.0	3.0E	1.7	1.5	2.3
29	3.2	4.0	3.9	3.7	6.0	5.5E	8.0	4.8	2.8E	1.6	1.5	2.4
30	3.1	4.5	3.8	3.6	-----	5.0E	9.0	4.5	2.7E	1.5	1.6	2.3
31	3.0	-----	3.4	3.5	-----	4.8E	-----	4.8	-----	1.5	1.7	-----
TOTAL	91.0	103.1	112.9	113.6	148.6	184.2	203.8	170.9	89.9	61.2	55.0	54.0
MEAN	2.94	3.44	3.64	3.66	5.12	5.94	6.79	5.51	3.00	1.97	1.77	1.80
MAX	3.4	4.6	4.1	4.1	13	9.0	12	8.9	4.5	2.6	2.1	2.5
MIN	2.7	2.8	3.2	3.3	3.4	4.8	4.4	4.1	2.5	1.5	1.5	1.3
AC-FT	180	204	224	225	295	365	404	339	178	121	109	107
CAL YEAR 1999 TOTAL		1,473.1	MEAN	4.04	MAX	8.4	MIN	1.4	AC-FT	2,920		
WTR YEAR 2000 TOTAL		1,388.2	MEAN	3.79	MAX	13	MIN	1.3	AC-FT	2,750		

E indicates estimated discharge.

# NIOBRARA RIVER BASIN

## JOHNSON CANAL from Niobrara River, 00072000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	3.6	2.3	0	0	0
2	0	0	0	0	0	0	0	3.6	2.2	0	0	0
3	0	0	0	0	0	0	0	3.4	2.2	0	0	0
4	0	0	0	0	0	0	0	3.2	2.0	0	0	0
5	0	0	0	0	0	0	0	3.0	1.9	0	0	0
6	0	0	0	0	0	0	0	2.8	1.8	0	0	0
7	0	0	0	0	0	0	0	2.8	1.8	0	0	0
8	0	0	0	0	0	0	0	2.6	1.6	0	0	0
9	0	0	0	0	0	0	0	2.6	1.5	0	0	0
10	0	0	0	0	0	0	0	2.4	1.6	0	0	0
11	0	0	0	0	0	0	0	2.4	1.5	0	0	0
12	0	0	0	0	0	0	0	2.4	.63	0	0	0
13	0	0	0	0	0	0	0	2.4	0	0	0	0
14	0	0	0	0	0	0	0	2.4	0	0	0	0
15	0	0	0	0	0	0	0	2.4	0	0	0	0
16	0	0	0	0	0	0	0	2.4	0	0	0	0
17	0	0	0	0	0	0	0	2.4	0	0	0	0
18	0	0	0	0	0	0	0	2.8	0	0	0	0
19	0	0	0	0	0	0	0	2.7	0	0	0	0
20	0	0	0	0	0	0	0	2.8	0	0	0	0
21	0	0	0	0	0	0	0	2.6	0	0	0	.39
22	0	0	0	0	0	0	0	2.5	0	0	0	1.2
23	0	0	0	0	0	0	0	2.5	0	0	0	1.8
24	0	0	0	0	0	0	0	2.4	0	0	0	2.0
25	0	0	0	0	0	0	3.4	2.3	0	0	0	2.1
26	0	0	0	0	0	0	3.5	2.3	0	0	0	2.2
27	0	0	0	0	0	0	3.4	2.4	0	0	0	2.2
28	0	0	0	0	0	0	3.4	2.3	0	0	0	2.2
29	0	0	0	0	0	0	3.5	2.3	0	0	0	2.2
30	0	0	0	0	-----	0	3.7	2.3	0	0	0	2.2
31	0	-----	0	0	-----	0	-----	2.3	-----	0	0	-----
TOTAL	0	0	0	0	0	0	20.9	81.3	21.03	0	0	18.49
MEAN	0	0	0	0	0	0	.70	2.62	.70	0	0	.62
MAX	0	0	0	0	0	0	3.7	3.6	2.3	0	0	2.2
MIN	0	0	0	0	0	0	0	2.3	0	0	0	0
AC-FT	0	0	0	0	0	0	41	161	42	0	0	37
CAL YEAR 1999	MAX	7.3	MIN	0	AC-FT	295						
WTR YEAR 2000	MAX	3.7	MIN	0	AC-FT	281						

# NIOBRARA RIVER BASIN

**LAKOTAH CANAL from Niobrara River, 00079000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	0	0	0	0	0	0	4.5	2.2	1.6	.79	.67
2	1.8	0	0	0	0	0	0	4.4	2.1	1.5	.77	.73
3	1.6	0	0	0	0	0	0	4.3	1.9	1.5	.74	.77
4	1.6	0	0	0	0	0	0	4.2	1.7	1.4	.76	.80
5	2.3	0	0	0	0	0	0	3.9	1.6	1.4	.96	.80
6	2.0	0	0	0	0	0	0	3.4	1.5	1.3	.96	.78
7	2.4	0	0	0	0	0	0	3.7	1.4	1.2	.93	.77
8	1.7	0	0	0	0	0	0	4.1	1.3	1.1	.85	.82
9	1.7	0	0	0	0	0	0	3.9	1.2	1.0	.81	.71
10	2.0	0	0	0	0	0	0	3.8	1.2	1.4	.82	.60
11	2.2	0	0	0	0	0	0	3.7	1.1	1.7	.84	.60
12	2.1	0	0	0	0	0	0	3.4	1.1	2.1	.81	.63
13	2.9	0	0	0	0	0	1.3	3.1	1.9	2.0	.81	.66
14	3.2	0	0	0	0	0	1.2	3.0	2.0	2.0	.72	.73
15	2.8	0	0	0	0	0	1.2	2.8	2.1	1.5	.71	.78
16	2.7	0	0	0	0	0	1.3	2.6	2.0	1.2	.71	.82
17	2.9	0	0	0	0	0	1.6	3.2	2.1	1.0	.71	.82
18	3.0	0	0	0	0	0	1.6	5.2	1.9	1.2	.72	.87
19	1.2	0	0	0	0	0	5.8	4.7	1.8	1.4	.81	.90
20	0	0	0	0	0	0	6.8	4.9	1.6	1.3	.75	.93
21	0	0	0	0	0	0	6.5	4.3	1.4	1.2	.68	.10
22	0	0	0	0	0	0	6.4	3.6	1.4	1.3	.64	0
23	0	0	0	0	0	0	6.2	3.5	1.7	1.1	.62	0
24	0	0	0	0	0	0	5.8	3.3	2.7	.79	.56	0
25	0	0	0	0	0	0	5.8	2.9	2.6	.71	.59	0
26	0	0	0	0	0	0	5.2	2.7	1.8	.69	.62	0
27	0	0	0	0	0	0	4.7	2.4	1.6	.68	.60	0
28	0	0	0	0	0	0	4.5	2.3	1.5	.64	.59	0
29	0	0	0	0	0	0	4.3	2.1	1.6	.69	.59	0
30	0	0	0	0	-----	0	4.8	2.0	1.6	.73	.60	0
31	0	-----	0	0	-----	0	-----	2.0	-----	.73	.62	-----
TOTAL	42.0	0	0	0	0	0	75.0	107.9	51.6	38.06	22.69	15.29
MEAN	1.35	0	0	0	0	0	2.50	3.48	1.72	1.23	.73	.51
MAX	3.2	0	0	0	0	0	6.8	5.2	2.7	2.1	.96	.93
MIN	0	0	0	0	0	0	0	2.0	1.1	.64	.56	0
AC-FT	83	0	0	0	0	0	149	214	102	75	45	30
CAL YEAR 1999	MAX	6.0	MIN	0	AC-FT	909						
WTR YEAR 2000	MAX	6.8	MIN	0	AC-FT	699						

# NIOBRARA RIVER BASIN

## EARNEST CANAL (SOUTH) from Niobrara River, 00038100 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	0	0	0	0	0	0	1.8	0	0	0	.60
2	2.0	0	0	0	0	0	0	2.1	0	0	0	.85
3	2.0	0	0	0	0	0	0	2.0	0	0	0	1.0
4	2.0	0	0	0	0	0	0	1.7	0	0	0	1.1
5	1.9	0	0	0	0	0	0	1.6	0	0	0	1.1
6	1.7	0	0	0	0	0	0	1.2	0	0	0	1.3
7	1.7	0	0	0	0	0	0	0	0	0	0	1.7
8	1.6	0	0	0	0	0	0	0	0	0	.40	2.1
9	1.7	0	0	0	0	0	0	0	.07	0	2.0	2.3
10	1.6	0	0	0	0	0	0	0	1.3	0	2.8	2.5
11	1.7	0	0	0	0	0	0	0	1.9	0	3.3	2.8
12	1.6	0	0	0	0	0	1.8E	0	2.0	0	3.4	2.6
13	1.6	0	0	0	0	0	3.6E	0	.86	0	3.4	1.7
14	1.7	0	0	0	0	0	3.4E	0	0	0	3.1	1.2
15	1.6	0	0	0	0	0	3.3E	0	0	0	2.1	1.0
16	1.6	0	0	0	0	0	3.2E	0	0	0	1.7	1.1
17	1.6	0	0	0	0	0	3.1E	0	0	0	1.6	1.3
18	1.6	0	0	0	0	0	3.0E	0	0	0	1.6	1.4
19	.56	0	0	0	0	0	2.8E	0	0	0	1.6	1.5
20	0	0	0	0	0	0	2.7E	0	0	0	1.6	1.8
21	0	0	0	0	0	0	2.6E	0	0	0	1.6	1.9
22	0	0	0	0	0	0	2.5E	0	0	0	1.6	2.1
23	0	0	0	0	0	0	2.4E	0	0	0	1.5	2.7
24	0	0	0	0	0	0	2.3E	0	0	0	1.5	3.1
25	0	0	0	0	0	0	2.1	0	0	0	1.6	3.2
26	0	0	0	0	0	0	2.0	0	0	0	1.6	3.1
27	0	0	0	0	0	0	1.8	0	0	0	1.6	2.9
28	0	0	0	0	0	0	1.8	0	0	0	1.6	2.8
29	0	0	0	0	0	0	1.4	0	0	0	1.5	2.5
30	0	0	0	0	-----	0	1.6	0	0	0	1.5	2.4
31	0	-----	0	0	-----	0	-----	0	-----	0	1.4	-----
TOTAL	31.86	0	0	0	0	0	47.4	10.4	6.13	0	45.60	57.65
MEAN	1.03	0	0	0	0	0	1.58	.34	.20	0	1.47	1.92
MAX	2.1	0	0	0	0	0	3.6	2.1	2.0	0	3.4	3.2
MIN	0	0	0	0	0	0	0	0	0	0	0	.60
AC-FT	63	0	0	0	0	0	94	21	12	0	90	114
CAL YEAR 1999	TOTAL	211.91	MEAN	.58	MAX	2.8	MIN	0	AC-FT	420		
WTR YEAR 2000	TOTAL	199.04	MEAN	.54	MAX	3.6	MIN	0	AC-FT	395		

E indicates estimated discharge.

# NIOBRARA RIVER BASIN

**EARNEST CANAL (NORTH) from Niobrara River, 00038200 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	2.4	0	1.7	1.5	0
2	0	0	0	0	0	0	0	2.3	.04	1.7	1.6	0
3	0	0	0	0	0	0	0	2.5	2.3	1.7	1.9	0
4	0	0	0	0	0	0	0	2.5	4.7	1.6	2.1	0
5	0	0	0	0	0	0	0	2.5	4.9	1.6	2.3	0
6	0	0	0	0	0	0	0	2.5	4.6	1.7	2.4	0
7	0	0	0	0	0	0	0	2.8	4.3	2.0	2.3	0
8	0	0	0	0	0	0	0	2.8	4.3	2.3	1.9	0
9	0	0	0	0	0	0	0	2.8	3.8	2.4	.14	0
10	0	0	0	0	0	0	0	2.8	2.2	2.4	.18	0
11	0	0	0	0	0	0	0	2.6	1.4	2.0	.23	0
12	0	0	0	0	0	0	0	2.6	.85	2.2	.25	0
13	0	0	0	0	0	0	1.1	2.5	1.3	2.6	.29	0
14	0	0	0	0	0	0	1.7	2.0	1.6	2.2	.28	0
15	0	0	0	0	0	0	1.8	.24	1.6	1.9	.02	0
16	0	0	0	0	0	0	1.8	0	1.6	1.7	0	0
17	0	0	0	0	0	0	1.9	0	1.6	1.6	0	0
18	0	0	0	0	0	0	1.6	0	1.5	1.6	0	0
19	0	0	0	0	0	0	2.1	0	1.5	1.6	0	0
20	0	0	0	0	0	0	2.1	0	1.5	1.5	0	0
21	0	0	0	0	0	0	2.0	0	1.5	1.4	0	0
22	0	0	0	0	0	0	2.0	0	1.5	1.3	0	0
23	0	0	0	0	0	0	2.1	0	1.7	1.3	0	0
24	0	0	0	0	0	0	2.5	0	2.4	1.2	0	0
25	0	0	0	0	0	0	2.4	0	2.8	1.1	0	0
26	0	0	0	0	0	0	2.4	0	2.3	1.1	0	0
27	0	0	0	0	0	0	2.3	0	2.0	1.1	0	0
28	0	0	0	0	0	0	2.0	0	2.0	1.1	0	0
29	0	0	0	0	0	0	2.4	0	1.9	1.1	0	0
30	0	0	0	0	-----	0	2.4	0	1.8	1.2	0	0
31	0	-----	0	0	-----	0	-----	0	-----	1.3	0	-----
TOTAL	0	0	0	0	0	0	36.6	35.84	65.49	51.2	17.39	0
MEAN	0	0	0	0	0	0	1.22	1.16	2.18	1.65	.56	0
MAX	0	0	0	0	0	0	2.5	2.8	4.9	2.6	2.4	0
MIN	0	0	0	0	0	0	0	0	0	1.1	0	0
AC-FT	0	0	0	0	0	0	73	71	130	102	34	0
CAL YEAR 1999	TOTAL	47.74	MEAN	.13	MAX	3.7	MIN	0	AC-FT	95		
WTR YEAR 2000	TOTAL	206.52	MEAN	.56	MAX	4.9	MIN	0	AC-FT	410		

# NIOBRARA RIVER BASIN

## McGINLEY-STOVER CANAL from Niobrara River, 00084000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	2.6	0	2.6	2.2
2	0	0	0	0	0	0	0	0	2.4	0	2.1	2.5
3	0	0	0	0	0	0	0	0	2.4	0	2.1	1.1
4	0	0	0	0	0	0	0	0	2.2	0	2.1	0
5	0	0	0	0	0	0	0	0	2.1	.98	2.0	0
6	0	0	0	0	0	0	0	0	2.0	3.3	2.3	0
7	0	0	0	0	0	0	0	0	2.5	2.2	2.2	0
8	0	0	0	0	0	0	0	0	1.2	1.9	1.9	0
9	0	0	0	0	0	0	0	0	0	1.8	0	0
10	0	0	0	0	0	0	0	0	0	1.5	0	0
11	0	0	0	0	0	0	0	0	0	.23	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	3.4	0	0	0	0
17	0	0	0	0	0	0	0	2.5	0	0	0	0
18	0	0	0	0	0	0	0	2.4	.97	0	0	0
19	0	0	0	0	0	0	0	8.7	2.5	0	0	0
20	0	0	0	0	0	0	0	7.8	2.4	0	0	0
21	0	0	0	0	0	0	0	7.9	2.4	0	0	0
22	0	0	0	0	0	0	0	7.5	2.3	0	0	0
23	0	0	0	0	0	0	0	7.1	2.3	0	0	0
24	0	0	0	0	0	0	0	6.0	2.1	0	0	0
25	0	0	0	0	0	0	0	5.3	2.0	1.2	0	0
26	0	0	0	0	0	0	0	4.2	2.0	2.3	.83	0
27	0	0	0	0	0	0	0	4.3	2.0	2.0	2.6	0
28	0	0	0	0	0	0	0	4.4	2.1	1.9	2.3	0
29	0	0	0	0	0	0	0	4.2	1.6	1.8	1.8	0
30	0	0	0	0	-----	0	0	3.6	0	2.4	1.4	0
31	0	-----	0	0	-----	0	-----	2.8	-----	2.7	1.2	-----
TOTAL	0	0	0	0	0	0	0	82.1	42.07	26.21	27.43	5.8
MEAN	0	0	0	0	0	0	0	2.65	1.40	.85	.88	.19
MAX	0	0	0	0	0	0	0	8.7	2.6	3.3	2.6	2.5
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	163	83	52	54	12
CAL YEAR 1999	MAX	7.3	MIN	0	AC-FT	445						
WTR YEAR 2000	MAX	8.7	MIN	0	AC-FT	364						

# NIOBRARA RIVER BASIN

COOK CANAL NO. 1 from Niobrara River, 00029000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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No water was diverted in 2000.

CTR YEAR 1999	MAX	0	MIN	0	AC-FT	0						
WTR YEAR 2000	MAX	0	MIN	0	AC-FT	0						



# NIOBRARA RIVER BASIN

## HARRIS-NEECE CANAL from Niobrara River, 00062000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	7.3	7.1	3.9	5.5
2	0	0	0	0	0	0	0	0	7.3	7.3	3.9	5.9
3	0	0	0	0	0	0	0	0	4.8	7.3	5.2	4.7
4	0	0	0	0	0	0	0	0	.76	7.0	5.6	4.5
5	0	0	0	0	0	0	0	0	.60	7.0	4.9	5.6
6	0	0	0	0	0	0	0	0	.24	6.9	4.5	6.0
7	0	0	0	0	0	0	0	0	0	5.7	4.6E	5.7
8	0	0	0	0	0	0	0	0	0	5.6	4.8	5.8
9	0	0	0	0	0	0	0	6.6	0	6.1	4.9	5.6
10	0	0	0	0	0	0	0	12	0	6.2	5.6	5.6
11	0	0	0	0	0	0	0	11	0	7.0	5.6	5.6
12	0	0	0	0	0	0	0	11	4.6	7.1	5.7	6.0
13	0	0	0	0	0	0	0	11	7.8	7.0	5.8	6.2
14	0	0	0	0	0	0	0	10	8.1	6.9	5.6	6.3
15	0	0	0	0	0	0	0	8.2	8.0	7.0	5.7	6.4
16	0	0	0	0	0	0	0	7.7	7.0	7.0	6.1	6.4
17	0	0	0	0	0	0	0	8.7	6.7	7.4	5.8	6.3
18	0	0	0	0	0	0	0	10	7.3	8.2	5.6	5.9
19	0	0	0	0	0	0	0	10	8.0	8.2	5.7	6.2
20	0	0	0	0	0	0	0	10	7.5	8.2	5.9	7.7
21	0	0	0	0	0	0	0	9.7	7.0	8.1	5.6	5.0
22	0	0	0	0	0	0	0	9.1	6.9	6.3	5.8	0
23	0	0	0	0	0	0	0	8.9	6.5	0	6.0	0
24	0	0	0	0	0	0	0	8.5	6.6	0	5.2	0
25	0	0	0	0	0	0	0	8.0	6.7	0	5.4	0
26	0	0	0	0	0	0	0	8.0	6.3	0	5.6	0
27	0	0	0	0	0	0	0	7.9	6.4	0	5.4	0
28	0	0	0	0	0	0	0	7.6	7.2	3.6	4.0	0
29	0	0	0	0	0	0	0	7.2	7.4	5.5	3.7	0
30	0	0	0	0	-----	0	0	7.1	6.9	5.4	4.6	0
31	0	-----	0	0	-----	0	-----	7.2	-----	4.7	4.6	-----
TOTAL	0	0	0	0	0	0	0	205.4	153.90	173.8	161.3	122.9
MEAN	0	0	0	0	0	0	0	6.63	5.13	5.61	5.20	4.10
MAX	0	0	0	0	0	0	0	12	8.1	8.2	6.1	7.7
MIN	0	0	0	0	0	0	0	0	0	0	3.7	0
AC-FT	0	0	0	0	0	0	0	407	305	345	320	244
CAL YEAR 1999	MAX	13	MIN	0	AC-FT	1,500						
WTR YEAR 2000	MAX	12	MIN	0	AC-FT	1,620						

E indicates estimated discharge.

# NIOBRARA RIVER BASIN

**LABELLE CANAL from Niobrara River, 00078000 - 2000**

LOCATION.--NWL/4NWL/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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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 No water diverted in 2000.

CAL YEAR 1999	MAX	1.4	MIN	0	AC-FT	77						
WTR YEAR 2000	MAX	0	MIN	0	AC-FT	0						

# NIOBRARA RIVER BASIN

## METTLEN CANAL from Niobrara River, 00089000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	1.6	4.2	1.6	0
2	0	0	0	0	0	0	0	0	1.5	2.9	2.0	0
3	0	0	0	0	0	0	0	0	1.5	2.2	1.9	0
4	0	0	0	0	0	0	0	0	1.9	2.7	2.8	0
5	0	0	0	0	0	0	0	0	3.3	2.4	3.0	0
6	0	0	0	0	0	0	0	0	4.2	1.6	2.3	0
7	0	0	0	0	0	0	0	0	4.2	.06	1.8	0
8	0	0	0	0	0	0	0	0	3.7	.05	1.6	0
9	0	0	0	0	0	0	0	0	3.6	.01	1.3	0
10	0	0	0	0	0	0	0	0	3.7	.04	1.8	0
11	0	0	0	0	0	0	0	0	3.7	4.6	1.3	0
12	0	0	0	0	0	0	0	1.0 E	4.0	3.5	.71	1.7
13	0	0	0	0	0	0	0	2.0 E	2.9	.61	1.1	3.4
14	0	0	0	0	0	0	0	3.0 E	.85	.49	.92	2.1
15	0	0	0	0	0	0	0	3.5 E	1.8	.65	2.6	3.2
16	0	0	0	0	0	0	0	3.9	2.6	.88	3.1	3.9
17	0	0	0	0	0	0	0	4.1	2.9	1.1	2.8	3.4
18	0	0	0	0	0	0	0	4.4	3.0	.80	.92	2.6
19	0	0	0	0	0	0	0	4.6	3.2	.57	.84	2.7
20	0	0	0	0	0	0	0	4.1	3.0	.58	1.1	4.6
21	0	0	0	0	0	0	0	4.2	2.1	.57	1.1	5.2
22	0	0	0	0	0	0	0	4.6	1.7	.71	.59	5.7
23	0	0	0	0	0	0	0	4.6	2.5	.81	0	6.6
24	0	0	0	0	0	0	0	3.7	2.4	1.4	0	6.9
25	0	0	0	0	0	0	0	2.7	2.4	1.4	0	6.6
26	0	0	0	0	0	0	0	2.2	3.0	1.3	0	4.4
27	0	0	0	0	0	0	0	1.2	2.8	1.9	0	4.3
28	0	0	0	0	0	0	0	.50	3.3	3.0	0	4.2
29	0	0	0	0	0	0	0	.67	3.2	2.6	0	4.1
30	0	0	0	0	-----	0	0	1.1	3.4	1.9	0	4.0
31	0	-----	0	0	-----	0	-----	1.7	-----	1.5	0	-----
TOTAL	0	0	0	0	0	0	0	57.77	83.95	47.03	37.18	79.6
MEAN	0	0	0	0	0	0	0	1.86	2.80	1.52	1.20	2.65
MAX	0	0	0	0	0	0	0	4.6	4.2	4.6	3.1	6.9
MIN	0	0	0	0	0	0	0	0	.85	.01	0	0
AC-FT	0	0	0	0	0	0	0	115	167	93	74	158
CAL YEAR 1999	MAX	4.0	MIN	0	AC-FT	306						
WTR YEAR 2000	MAX	6.9	MIN	0	AC-FT	606						

E indicates estimated discharge.

# NIOBRARA RIVER BASIN

**BENNETT-KAY CANAL from Niobrara River, 00013000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	1.8	1.2	0
2	0	0	0	0	0	0	0	0	0	1.8	1.4	0
3	0	0	0	0	0	0	0	0	0	1.7	1.7	0
4	0	0	0	0	0	0	0	0	2.0	1.7	1.9	0
5	0	0	0	0	0	0	0	0	3.7	1.5	1.8	0
6	0	0	0	0	0	0	0	0	3.5	1.5	1.8	0
7	0	0	0	0	0	0	0	0	3.2	1.3	1.7	0
8	0	0	0	0	0	0	0	0	3.1	1.2	1.6	0
9	0	0	0	0	0	0	0	0	3.1	.90	1.2	0
10	0	0	0	0	0	0	0	0	3.3	.81	1.3	0
11	0	0	0	0	0	0	0	0	3.2	0	1.2	0
12	0	0	0	0	0	0	0	0	3.2	0	1.3	0
13	0	0	0	0	0	0	0	0	3.7	0	1.3	.15
14	0	0	0	0	0	0	0	0	5.3	0	1.2	.97
15	0	0	0	0	0	0	0	0	2.7	0	1.2	1.1
16	0	0	0	0	0	0	0	0	0	0	.30	1.2
17	0	0	0	0	0	0	0	0	0	0	.01	1.2
18	0	0	0	0	0	0	0	0	0	0	.01	1.1
19	0	0	0	0	0	0	0	0	0	0	.22	1.2
20	0	0	0	0	0	0	0	0	0	0	1.1	1.2
21	0	0	0	0	0	0	0	0	0	0	1.3	1.2
22	0	0	0	0	0	0	0	0	0	0	1.2	1.2
23	0	0	0	0	0	0	0	0	.78	0	1.2	1.2
24	0	0	0	0	0	0	0	0	2.2	0	1.3	1.3
25	0	0	0	0	0	0	0	0	2.3	0	.39	1.9
26	0	0	0	0	0	0	0	0	2.2	0	0	2.1
27	0	0	0	0	0	0	0	0	2.1	0	0	2.1
28	0	0	0	0	0	0	0	0	2.1	0	0	2.1
29	0	0	0	0	0	0	0	0	2.0	0	0	2.1
30	0	0	0	0	-----	0	0	0	1.8	.63	0	2.0
31	0	-----	0	0	-----	0	-----	0	-----	1.2	0	-----
TOTAL	0	0	0	0	0	0	0	0	55.48	16.04	28.83	25.32
MEAN	0	0	0	0	0	0	0	0	1.85	.52	.93	.84
MAX	0	0	0	0	0	0	0	0	5.3	1.8	1.9	2.1
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	0	110	32	57	50
CAL YEAR 1999	MAX	4.2	MIN	0	AC-FT	251						
WTR YEAR 2000	MAX	5.3	MIN	0	AC-FT	249						

# NIOBRARA RIVER BASIN

**MOORE - KAY CANAL from Niobrara River, 00104000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	2.4	0	0	1.1	0
2	0	0	0	0	0	0	0	1.9	0	0	1.0	0
3	0	0	0	0	0	0	0	1.3	0	0	1.3	0
4	0	0	0	0	0	0	0	.83	0	0	.91	0
5	0	0	0	0	0	0	0	.48	1.9	0	0	0
6	0	0	0	0	0	0	0	.30	5.4	0	0	0
7	0	0	0	0	0	0	0	5.8	5.5	0	0	0
8	0	0	0	0	0	0	0	4.6	2.7	0	0	0
9	0	0	0	0	0	0	0	2.5	0	0	0	0
10	0	0	0	0	0	0	0	1.8	0	0	0	0
11	0	0	0	0	0	0	0	1.3	0	0	0	0
12	0	0	0	0	0	0	0	1.1	.90	0	0	0
13	0	0	0	0	0	0	0	1.3	3.1	0	0	0
14	0	0	0	0	0	0	0	1.1	.97	0	0	0
15	0	0	0	0	0	0	0	.64	0	0	0	0
16	0	0	0	0	0	0	0	.18	0	0	0	0
17	0	0	0	0	0	0	0	.68	0	0	0	0
18	0	0	0	0	0	0	0	4.4	0	0	0	0
19	0	0	0	0	0	0	0	4.7	0	0	0	0
20	0	0	0	0	0	0	0	4.7	0	0	0	0
21	0	0	0	0	0	0	0	3.1	0	0	0	0
22	0	0	0	0	0	0	0	1.6	.78	0	0	0
23	0	0	0	0	0	0	0	1.2	2.8	0	0	0
24	0	0	0	0	0	0	0	1.1	2.5	0	0	0
25	0	0	0	0	0	0	2.8	.76	2.4	0	0	0
26	0	0	0	0	0	0	2.5	.44	2.4	0	0	0
27	0	0	0	0	0	0	2.0	.21	2.3	0	0	0
28	0	0	0	0	0	0	1.6	.01	.59	1.1	0	0
29	0	0	0	0	0	0	1.5	0	0	1.6	0	0
30	0	0	0	0	-----	0	2.8	0	0	1.6	0	0
31	0	-----	0	0	-----	0	-----	0	-----	1.2	0	-----
TOTAL	0	0	0	0	0	0	13.2	50.43	34.24	5.5	4.31	0
MEAN	0	0	0	0	0	0	.44	1.63	1.14	.18	.14	0
MAX	0	0	0	0	0	0	2.8	5.8	5.5	1.6	1.3	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	26	100	68	11	8.5	0
CAL YEAR 1999	MAX	5.0	MIN	0	AC-FT	303						
WTR YEAR 2000	MAX	5.8	MIN	0	AC-FT	214						

# NIOBRARA RIVER BASIN

**GEO. HITSHEW CANAL from Niobrara river, 00063000 - 2000**

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 1999 TO SEP 2000

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

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 No water diverted in 2000

CAL YEAR 1999	MAX	3.5	MIN	0	AC-FT	80						
WTR YEAR 2000	MAX	0	MIN	0	AC-FT	0						

# NIOBRARA RIVER BASIN

**McLAUGHLIN CANAL from Niobrara River, 00086000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	2.9	1.8	0
2	0	0	0	0	0	0	0	0	0	2.6	1.7	0
3	0	0	0	0	0	0	0	0	0	2.5	1.8	0
4	0	0	0	0	0	0	0	0	1.9	2.6	2.0	0
5	0	0	0	0	0	0	0	0	4.3	2.5	1.7	0
6	0	0	0	0	0	0	0	0	3.7	1.6	1.4	0
7	0	0	0	0	0	0	0	0	3.7	1.4	1.1	0
8	0	0	0	0	0	0	0	0	3.7	1.4	.57	0
9	0	0	0	0	0	0	0	0	3.7	1.7	.08	0
10	0	0	0	0	0	0	0	0	3.5	1.6	0	0
11	0	0	0	0	0	0	0	.01	3.4	2.4	0	0
12	0	0	0	0	0	0	0	0	3.4	2.8	0	0
13	0	0	0	0	0	0	0	0	3.0	3.0	0	0
14	0	0	0	0	0	0	0	0	2.7	3.1	0	0
15	0	0	0	0	0	0	0	2.1	2.1	2.6	0	0
16	0	0	0	0	0	0	0	3.0	2.3	.26	0	0
17	0	0	0	0	0	0	0	3.3	3.2	0	0	0
18	0	0	0	0	0	0	0	3.8	2.8	2.4	0	0
19	0	0	0	0	0	0	0	3.3	3.2	3.6	0	1.0
20	0	0	0	0	0	0	0	2.9	3.3	3.5	0	2.1
21	0	0	0	0	0	0	0	1.1	3.4	3.6	0	1.9
22	0	0	0	0	0	0	0	.05	3.2	3.7	0	1.7
23	0	0	0	0	0	0	0	0	2.8	3.5	0	1.6
24	0	0	0	0	0	0	0	0	2.4	3.2	0	1.5
25	0	0	0	0	0	0	0	0	2.3	3.0	0	1.0
26	0	0	0	0	0	0	0	0	2.2	3.2	0	0
27	0	0	0	0	0	0	0	0	2.1	3.2	0	0
28	0	0	0	0	0	0	0	0	2.4	3.2	0	0
29	0	0	0	0	0	0	0	0	3.2	2.8	0	0
30	0	0	0	0	-----	0	0	0	3.1	2.3	0	0
31	0	-----	0	0	-----	0	-----	0	-----	2.0	0	-----
TOTAL	0	0	0	0	0	0	0	19.56	81.0	78.16	12.15	10.8
MEAN	0	0	0	0	0	0	0	.63	2.70	2.52	.39	.36
MAX	0	0	0	0	0	0	0	3.8	4.3	3.7	2.0	2.1
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	39	161	155	24	21
CAL YEAR 1999	MAX	6.3	MIN	0	AC-FT	465						
WTR YEAR 2000	MAX	4.3	MIN	0	AC-FT	400						

# NIOBRARA RIVER BASIN

**EXCELSIOR CANAL from Niobrara River, 00046000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	.73	.55	.89	1.2
2	0	0	0	0	0	0	0	0	.60	.48	.76	1.3
3	0	0	0	0	0	0	0	0	.49	.50	.96	1.3
4	0	0	0	0	0	0	0	0	.27	.59	2.0	1.3
5	0	0	0	0	0	0	0	0	.04	.61	1.9	1.3
6	0	0	0	0	0	0	0	0	0	.60	1.5	1.3
7	0	0	0	0	0	0	0	0	0	.87	1.3	1.2
8	0	0	0	0	0	0	0	0	.51	.94	1.3	1.1
9	0	0	0	0	0	0	0	0	1.1	1.2	1.2	1.1
10	0	0	0	0	0	0	0	0	1.2	.94	1.3	1.1
11	0	0	0	0	0	0	0	0	1.2	1.5	1.4	1.0
12	0	0	0	0	0	0	0	0	1.3	2.4	1.3	.49
13	0	0	0	0	0	0	0	0	1.2	2.4	1.2	0
14	0	0	0	0	0	0	0	0	1.1	1.9	1.1	0
15	0	0	0	0	0	0	0	0	1.4	.84	1.1	0
16	0	0	0	0	0	0	0	3.1	1.5	.62	1.1	0
17	0	0	0	0	0	0	0	8.4	1.5	.70	1.2	0
18	0	0	0	0	0	0	0	6.7	1.5	.70	1.2	0
19	0	0	0	0	0	0	0	2.1	1.3	.68	1.3	0
20	0	0	0	0	0	0	0	2.5	1.2	.65	1.3	0
21	0	0	0	0	0	0	0	2.5	1.3	.57	1.2	0
22	0	0	0	0	0	0	0	2.5	1.3	.64	1.2	0
23	0	0	0	0	0	0	0	2.0	1.2	.55	1.1	0
24	0	0	0	0	0	0	0	1.6	1.0	.41	1.1	0
25	0	0	0	0	0	0	0	1.7	1.1	.82	.98	0
26	0	0	0	0	0	0	0	1.7	1.1	1.5	.95	0
27	0	0	0	0	0	0	0	1.5	1.1	1.5	1.1	0
28	0	0	0	0	0	0	0	1.3	1.2	1.5	1.1	0
29	0	0	0	0	0	0	0	1.1	.65	1.5	1.0	0
30	0	0	0	0	-----	0	0	.82	.64	1.2	1.1	0
31	0	-----	0	0	-----	0	-----	.73	-----	1.1	1.1	-----
TOTAL	0	0	0	0	0	0	0	40.25	28.73	30.96	37.24	13.69
MEAN	0	0	0	0	0	0	0	1.30	.96	1.00	1.20	.46
MAX	0	0	0	0	0	0	0	8.4	1.5	2.4	2.0	1.3
MIN	0	0	0	0	0	0	0	0	0	.41	.76	0
AC-FT	0	0	0	0	0	0	0	80	57	61	74	27
CAL YEAR 1999	MAX	1.8	MIN	0	AC-FT	53						
WTR YEAR 2000	MAX	8.4	MIN	0	AC-FT	299						



# NIOBRARA RIVER BASIN

## HUGHES CANAL from Niobrara River, 00069000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	.62	0	0	0
2	0	0	0	0	0	0	0	0	.57	0	0	0
3	0	0	0	0	0	0	0	1.2 E	.53	0	0	0
4	0	0	0	0	0	0	0	2.5	.48	0	.29	0
5	0	0	0	0	0	0	0	2.1	.40	0	.45	0
6	0	0	0	0	0	0	0	3.1	.34	0	.34	0
7	0	0	0	0	0	0	0	3.6	.26	0	.26	0
8	0	0	0	0	0	0	0	3.9	.22	0	.26	0
9	0	0	0	0	0	0	0	3.8	.16	0	.31	0
10	0	0	0	0	0	0	0	3.5	.13	0	.33	0
11	0	0	0	0	0	0	0	2.6	.10	.04	.39	0
12	0	0	0	0	0	0	0	1.7	.08	.06	.38	0
13	0	0	0	0	0	0	0	1.6	.06	.06	.32	0
14	0	0	0	0	0	0	0	1.5	.02	.08	.26	0
15	0	0	0	0	0	0	0	1.4	.03	.07	.25	0
16	0	0	0	0	0	0	0	1.3	.04	.05	.28	0
17	0	0	0	0	0	0	0	1.2	.03	.04	.26	0
18	0	0	0	0	0	0	0	1.2	.03	.05	.25	0
19	0	0	0	0	0	0	0	1.2	.02	.05	.26	0
20	0	0	0	0	0	0	0	1.2	.01	.05	.23	0
21	0	0	0	0	0	0	0	1.3	.01	.04	.19	0
22	0	0	0	0	0	0	0	1.3	.01	.04	.14	0
23	0	0	0	0	0	0	0	1.3	.01	.14	.12	0
24	0	0	0	0	0	0	0	1.3	0	.22	.07	0
25	0	0	0	0	0	0	0	1.1	0	.11	.08	0
26	0	0	0	0	0	0	0	1.0	0	.16	.11	0
27	0	0	0	0	0	0	0	.97	0	.23	.21	0
28	0	0	0	0	0	0	0	.88	0	.24	.20	0
29	0	0	0	0	0	0	0	.81	0	.26	.08	0
30	0	0	0	0	-----	0	0	.71	0	.13	.05	0
31	0	-----	0	0	-----	0	-----	.65	-----	.04	.02	-----
TOTAL	0	0	0	0	0	0	0	49.92	4.16	2.16	6.39	0
MEAN	0	0	0	0	0	0	0	1.61	.14	.070	.21	0
MAX	0	0	0	0	0	0	0	3.9	.62	.26	.45	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	99	8.3	4.3	13	0
CAL YEAR 1999	MAX	1.0	MIN	0	AC-FT	19						
WTR YEAR 2000	MAX	3.9	MIN	0	AC-FT	124						

E indicates estimated discharge.

# NIOBRARA RIVER BASIN

**PIONEER CANAL from Niobrara River, 00123000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	1.6	2.2	0	0
2	0	0	0	0	0	0	0	0	3.5	2.2	0	0
3	0	0	0	0	0	0	0	0	3.5	1.2	0	0
4	0	0	0	0	0	0	0	0	3.4	.66	0	0
5	0	0	0	0	0	0	0	0	3.4	0	0	0
6	0	0	0	0	0	0	0	0	3.2	0	0	0
7	0	0	0	0	0	0	0	0	3.0	0	0	0
8	0	0	0	0	0	0	0	0	3.0	0	0	0
9	0	0	0	0	0	0	0	0	3.2	0	0	0
10	0	0	0	0	0	0	0	0	3.4	0	0	0
11	0	0	0	0	0	0	0	0	3.4	.62	0	0
12	0	0	0	0	0	0	0	0	3.3	.06	0	0
13	0	0	0	0	0	0	0	0	3.5	1.6	0	0
14	0	0	0	0	0	0	0	0	3.6	.39	0	0
15	0	0	0	0	0	0	0	0	3.7	0	0	0
16	0	0	0	0	0	0	0	0	3.8	0	0	0
17	0	0	0	0	0	0	0	0	3.8	0	0	0
18	0	0	0	0	0	0	0	0	3.8	0	0	0
19	0	0	0	0	0	0	0	0	3.7	0	0	0
20	0	0	0	0	0	0	0	0	1.8	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	.61	0	0	0
26	0	0	0	0	0	0	0	0	2.2	0	0	0
27	0	0	0	0	0	0	0	0	2.3	0	0	.40
28	0	0	0	0	0	0	0	0	2.3	0	0	3.3
29	0	0	0	0	0	0	0	0	2.2	0	0	3.9
30	0	0	0	0	-----	0	0	0	2.2	0	0	3.5
31	0	-----	0	0	-----	0	-----	0	-----	0	0	-----
TOTAL	0	0	0	0	0	0	0	0	77.41	8.93	0	11.10
MEAN	0	0	0	0	0	0	0	0	2.58	.29	0	.37
MAX	0	0	0	0	0	0	0	0	3.8	2.2	0	3.9
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	0	154	18	0	22
CAL YEAR 1999	MAX	5.2	MIN	0	AC-FT	324						
WTR YEAR 2000	MAX	3.9	MIN	0	AC-FT	193						

# NIOBRARA RIVER BASIN

## NIOBRARA RIVER above Box Butte Reservoir, 06454500 - 2000

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 202 cubic feet per second July 11, gage height 5.59 feet; minimum daily discharge 8.7 cubic feet per second August 24.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	24	28	28	30E	60E	36	44	24	11	11	10
2	18	23	28	28	29	52	35	45	22	11	11	10
3	19	24	29	28E	31	46	34	45	24	14	13	10
4	20	24	28	27E	30E	46	35	44	23	12	17	10
5	20	24	27	26E	29	44	35	42	23	12	14	10
6	20	24	25	24	33	42	35	41	22	11	14	11
7	21	24	25	27E	34	41	36	65	20	11	13	10
8	20	23	25	27E	37	47	36	56	17	11	12	10
9	21	21	25E	27	37	46	36	55	15	12	12	9.9
10	21	21	25E	27E	37	43	37	62	15	20	12	9.5
11	21	22	24	27E	38	46	37	60	15	44	13	9.5
12	21	22	26	28	36	47	38	52	13	15	12	9.9
13	21	26	26	25	34	45	38	46	13	22	12	9.9
14	21	25	27	26	28	45	38	44	12	20	12	12
15	21	25	27E	27	33	44	33	43	11	25	11	12
16	22	25	27	29	31	42	36	43	11	22	12	12
17	21	25	25	29	34	42	37	56	11	18	12	11
18	23	26	26	29	33	41	39	74	12	18	11	11
19	23	26	26E	31	28	40	58	58	11	17	11	11
20	24	27	26E	29	29	40	60	56	15	15	11	13
21	24	27	26E	31	33	40	65	53	14	14	9.5	12
22	25	27	27	30	38	41	65	49	14	14	9.5	13
23	24	27	25	30	35	42	62	47	13	14	9.1	14
24	25	26	25	29	33	41	56	46	13	14	8.7	14
25	24	24	26	20	32	40	52	42	12	13	8.9	15
26	24	26	27	30	20E	39	49	39	8.8	12	9.3	15
27	24	28	28	29	24E	38	45	38	11	12	9.1	14
28	23	28	29	31	30E	37	43	37	12	13	8.8	9.3
29	24	26	29	31	40E	36	42	35	11	13	9.1	12
30	23	27	28	31	-----	36	45	32	11	12	9.2	11
31	24	-----	27	31E	-----	36	-----	30	-----	11	9.6	-----
TOTAL	680	747	822	872	936	1,325	1,293	1,479	448.8	483	346.8	341.0
MEAN	21.9	24.9	26.5	28.1	32.3	42.7	43.1	47.7	15.0	15.6	11.2	11.4
MAX	25	28	29	31	40	60	65	74	24	44	17	15
MIN	18	21	24	20	20	36	33	30	8.8	11	8.7	9.3
AC-FT	1,350	1,480	1,630	1,730	1,860	2,630	2,560	2,930	890	958	688	676
CAL YEAR 1999	TOTAL	9,205.0	MEAN	25.2	MAX	43	MIN	11	AC-FT	18,260		
WTR YEAR 2000	TOTAL	9,773.6	MEAN	26.7	MAX	74	MIN	8.7	AC-FT	19,390		

E indicates estimated discharge.

# NIOBRARA RIVER BASIN

**BOX BUTTE RESERVOIR from Niobrara River, 06455000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10,332	11,593	12,872		15,589	17,136		21,441	23,656		13,757	8,821
2												
3				14,299			19,540			20,358		
4												
5												
6												
7												
8								22,061	23,601			
9												
10											12,463	
11								22,367				
12												
13										18,838		
14						18,381						9,159
15									23,436			
16					16,324							
17		12,177									11,149	
18								22,961				
19				14,967								
20										16,335		
21			13,747									
22									23,258			
23												
24						19,107	20,910					
25								23,436				
26							21,103					
27										15,073		
28						19,267						
29									22,274			9,558
30						-----						
31		-----				-----			-----			-----

# NIOBRARA RIVER BASIN

## NIOBRARA RIVER below Box Butte Reservoir, 06455500 - 2000

LOCATION.--SE1/4 Sec. 28-29-49 W., Dawes County, Lat. 42° 27' 25", Long. 103° 04' 05", on left bank 0.2 mile downstream from Box Butte Reservoir and nine miles north of Hemingford.

DRAINAGE AREA.--Approximately 460 square miles.

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

PERIOD OF RECORD.--Oct. 1946 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Flow completely regulated from Box Butte Reservoir. Records are good, except discharges below 2.0 cfs are fair and estimated records 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 July 9, gage height 4.21 feet; minimum daily discharge 0.75 cubic feet per second on September 14.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.99	.86	.95	.90	.93	1.1	1.1	1.3	1.2	126	121	64
2	.98	.86	.95	.90	.93	1.1	1.1	1.2	1.2	128	122	18
3	1.0	.86	.95	.91	.93	1.1	1.1	1.2	1.2	129	109	.93
4	1.0	.88	.95	.93	.93	1.1	1.1	1.2	1.2	126	90	.88
5	.98	.87	.95	.94	.93	1.1	1.1	1.2	1.2	121	79	.85
6	.98	.89	.95	.93	.93	1.1	1.1	1.2	1.2	120	79	.83
7	.98	.90	.95	.94	.93	1.1	1.1	1.1E	1.2	131	84	.81
8	.98	.90	.95	.94	.93	1.3	1.1	1.3	1.1	143	91	.81
9	.97	.92	.95	.93	.95	1.2	1.1	1.3	1.1	145	90	.80
10	.95	.93	.93	.93	.95	1.1	1.1	1.2	1.1	127	80	.79
11	.93	.93	.93	.93	.95	1.1	1.1	1.2	1.1	89	65	.79
12	.93	.93	.93	.94	.95	1.2	1.1	1.2	1.1	84	64	.78
13	.94	.93	.93	.93	.95	1.2	1.1	1.2	1.1	88	69	.79
14	.94	.93	.93	.94	.95	1.2	1.1	1.2	1.1	105	87	.75
15	.93	.95	.93	.95	.97	1.2	1.1	1.2	1.1	113	108	.92
16	.93	.95	.93	.95	.97	1.2	1.2	1.2	1.1	117	103	.92
17	.93	.98	.93	.95	.98	1.2	1.1	1.5	1.1	129	95	.89
18	.93	1.0	.93	.96	1.0	1.2	1.4	1.6	1.1	134	87	.89
19	.94	.98	.91	.97	1.0	1.2	1.9	1.3	1.1	133	74	.95
20	.95	.98	.93	.95	1.0	1.2	1.5	1.2	1.1	131	73	1.0
21	.94	.98	.93	.95	1.0	1.2	1.4	1.2	1.1	120	83	.96
22	.91	.98	.93	.97	1.0	1.2	1.3	1.2	1.1	110	97	.94
23	.90	.98	.93	.95	1.1	1.2	1.3	1.2	1.1	110	95	.96
24	.90	.95	.93	.95	1.1	1.1	1.3	1.2	1.1	108	87	.96
25	.90	.93	.93	.95	1.1	1.1	1.3	1.2	1.1	106	78	.94
26	.88	.93	.91	.95	1.1	1.1	1.3	1.2	59	103	70	.92
27	.88	.93	.90	.95	1.1	1.1	1.3	1.2	67	101	69	.89
28	.88	.93	.87	.95	1.1	1.1	1.3	1.2	66	102	71	.87
29	.89	.93	.87	.93	1.1	1.1	1.3	1.2	81	106	73	.88
30	.85	.93	.87	.93	-----	1.1	1.2E	1.2	110	107	66	.89
31	.86	-----	.89	.93	-----	1.1	-----	1.2	-----	111	61	-----
TOTAL	28.95	27.90	28.72	29.13	28.76	35.6	36.6	38.2	411.2	3,603	2,620	106.59
MEAN	.93	.93	.93	.94	.99	1.15	1.22	1.23	13.7	116	84.5	3.55
MAX	1.0	1.0	.95	.97	1.1	1.3	1.9	1.6	110	145	122	64
MIN	.85	.86	.87	.90	.93	1.1	1.1	1.1	1.1	84	61	.75
AC-FT	57	55	57	58	57	71	73	76	816	7,150	5,200	211
CAL YEAR 1999 TOTAL	6,737.22		MEAN	18.5	MAX	180	MIN	.85	AC-FT	13,360		
WTR YEAR 2000 TOTAL	6,994.65		MEAN	19.1	MAX	145	MIN	.75	AC-FT	13,870		

E indicates estimated discharge.

# NIOBRARA RIVER BASIN

**MONTAGUE CANAL from Niobrara River, 00102000 - 2000**

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 1999 TO SEP 2000

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

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 No water diverted in 2000.

CAL YEAR 1999	MAX	0	MIN	0	AC-FT	0						
WTR YEAR 2000	MAX	0	MIN	0	AC-FT	0						

# NIOBRARA RIVER BASIN

**LICHTE CANAL from Niobrara River, 00081000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	3.3	0
2	0	0	0	0	0	0	0	0	0	0	2.9	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	.25	0	0	0
9	0	0	0	0	0	0	0	0	2.7	0	0	0
10	0	0	0	0	0	0	0	0	2.7	0	0	0
11	0	0	0	0	0	0	0	0	2.7	0	0	0
12	0	0	0	0	0	0	0	0	2.8	0	0	0
13	0	0	0	0	0	0	0	0	2.9	0	0	0
14	0	0	0	0	0	0	0	0	2.9	0	0	0
15	0	0	0	0	0	0	0	0	2.8	0	0	0
16	0	0	0	0	0	0	0	0	2.6	0	0	0
17	0	0	0	0	0	0	0	0	2.7	0	0	0
18	0	0	0	0	0	0	0	0	2.6	0	0	0
19	0	0	0	0	0	0	0	0	2.6	0	0	0
20	0	0	0	0	0	0	0	0	1.5	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	1.4	0	0
26	0	0	0	0	0	0	0	0	0	2.1	0	0
27	0	0	0	0	0	0	0	0	0	3.2	0	0
28	0	0	0	0	0	0	0	0	0	3.2	0	0
29	0	0	0	0	0	0	0	0	0	3.2	0	0
30	0	0	0	0	-----	0	0	0	0	3.2	0	0
31	0	-----	0	0	-----	0	-----	0	-----	3.3	0	-----
TOTAL	0	0	0	0	0	0	0	0	31.75	19.6	6.2	0
MEAN	0	0	0	0	0	0	0	0	1.06	.63	.20	0
MAX	0	0	0	0	0	0	0	0	2.9	3.3	3.3	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	0	63	39	12	0
CAL YEAR 1999	MAX	3.1	MIN	0	AC-FT	59						
WTR YEAR 2000	MAX	3.3	MIN	0	AC-FT	114						

# NIOBRARA RIVER BASIN

**MIRAGE FLATS CANAL from Niobrara River, 00100000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	0	121	116	73
2								0	0	118	122	69
3								0	0	127	119	42
4								0	0	127	104	0
5								0	0	130	84	0
6								0	0	122	86	0
7								0	0	123	92	0
8								0	0	140	97	0
9								0	0	142	97	0
10								0	0	150	94	0
11								0	0	103	76	0
12								0	0	89	78	0
13								0	0	94	71	0
14								0	0	110	86	0
15								0	0	119	116	0
16								0	0	116	123	0
17								0	0	133	112	0
18								0	0	144	112	0
19								0	0	138	85	0
20								0	0	135	83	0
21								0	0	133	82	0
22								0	0	115	100	0
23								0	0	118	103	0
24								0	0	116	97	0
25								0	0	112	83	0
26								0	52	106	75	0
27								0	74	102	75	0
28								0	71	99	77	0
29								0	77	100	79	0
30					-----			0	103	110	75	0
31		-----			-----		-----	0	-----	112	69	-----
TOTAL								0	377	3,704	2,868	184
MEAN								0	12.6	119	92.5	6.13
MAX								0	103	150	123	73
MIN								0	0	89	69	0
AC-FT								0	748	7,350	5,690	365
CAL YEAR 1999	MAX	186	MIN	0	AC-FT	12,690						
WTR YEAR 2000	MAX	150	MIN	0	AC-FT	14,150						



# NIOBRARA RIVER BASIN

**POTMESIL CANAL from Niobrara River, 00124000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	5.3	2.0	4.9
2	0	0	0	0	0	0	0	0	2.5	5.3	5.0	5.5
3	0	0	0	0	0	0	0	0	6.0	5.3	4.8	6.0
4	0	0	0	0	0	0	0	0	5.9	2.4	3.7	2.3
5	0	0	0	0	0	0	0	1.4	6.0	0	.01	0
6	0	0	0	0	0	0	0	5.9	6.0	0	0	2.1
7	0	0	0	0	0	0	0	5.8	6.0	1.1	3.6	5.0
8	0	0	0	0	0	0	0	1.8	5.9	5.1	5.9	5.0
9	0	0	0	0	0	0	0	0	5.9	5.1	5.5	2.1
10	0	0	0	0	0	0	0	0	5.7	1.5	5.6	0
11	0	0	0	0	0	0	0	0	0	0	4.9	0
12	0	0	0	0	0	0	0	0	0	0	4.7	0
13	0	0	0	0	0	0	0	0	2.8	0	4.9	3.9
14	0	0	0	0	0	0	0	0	6.1	4.0	5.8	5.9
15	0	0	0	0	0	0	0	0	6.6	5.3	6.0	5.3
16	0	0	0	0	0	0	0	0	2.1	5.0	5.2	3.8
17	0	0	0	0	0	0	0	0	0	5.2	4.9	0
18	0	0	0	0	0	0	0	0	0	5.4	0	0
19	0	0	0	0	0	0	0	0	0	5.5	0	0
20	0	0	0	0	0	0	0	0	2.8	5.3	0	0
21	0	0	0	0	0	0	0	0	3.2	5.2	1.2	0
22	0	0	0	0	0	0	0	0	0	4.9	5.6	0
23	0	0	0	0	0	0	0	0	0	5.1	5.4	0
24	0	0	0	0	0	0	0	0	0	5.0	4.9	1.3
25	0	0	0	0	0	0	0	0	0	4.7	4.6	3.5
26	0	0	0	0	0	0	0	0	0	4.7	4.2	3.4
27	0	0	0	0	0	0	0	0	2.7	4.3	4.0	3.4
28	0	0	0	0	0	0	0	0	4.3	4.1	3.9	2.1
29	0	0	0	0	0	0	0	0	4.3	4.1	4.6	0
30	0	0	0	0	-----	0	0	0	5.3	0	4.7	0
31	0	-----	0	0	-----	0	-----	0	-----	0	4.5	-----
TOTAL	0	0	0	0	0	0	0	14.9	90.1	108.9	120.11	65.5
MEAN	0	0	0	0	0	0	0	.48	3.00	3.51	3.87	2.18
MAX	0	0	0	0	0	0	0	5.9	6.6	5.5	6.0	6.0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	30	179	216	238	130
CAL YEAR 1999	MAX	10	MIN	0	AC-FT	687						
WTR YEAR 2000	MAX	6.6	MIN	0	AC-FT	792						

# NIOBRARA RIVER BASIN

## SNAKE RIVER at Doughboy, 06459175 - 2000

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 320 cubic feet per second May 20, gage height 2.08 feet; minimum daily discharge 152 cubic feet per second August 12.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	164	159	172	179	163	197	170	206	201	174	157	156
2	160	154	175	175	167	189	170	215	205	161	157	158
3	161	156	170	177	172	181	166	199	203	164	159	156
4	161	160	170	160E	169	179	170	179	194	187	163	154
5	161	160	168	173	168	182	173	171	183	170	164	155
6	164	161	168	176	174	177	170	170	180	164	160	157
7	165	163	171	170	175	182	167	183	179	160	157	160
8	162	163	168	175	178	210	168	227	177	157	156	158
9	163	164	165	177	181	202	175	254	174	158	156	157
10	163	162	166	173	184	204	172	237	175	159	156	155
11	162	163	169	170	174	203	170	209	176	202	155	156
12	163	163	165	172	166	200	170	187	177	190	152	157
13	163	163	168	167	162	203	171	173	172	168	154	159
14	163	164	171	169	163	201	169	179	170	163	155	160
15	164	167	165	175	168	192	164	181	165	165	156	161
16	159	166	168	176	172	178	166	183	168	209	157	162
17	159	163	173	176	182	177	172	191	168	167	158	162
18	159	163	172	180	183	178	177	260	163	163	156	161
19	160	164	174	180	178	172	205	282	160	162	154	165
20	159	165	155E	177	174	173	198	308	160	160	157	167
21	158	168	161	177	179	171	206	286	156	160	160	167
22	159	168	165	176	186	174	216	234	157	161	159	174
23	160	167	168	173	188	181	203	209	159	161	159	171
24	159	166	172	170	190	176	193	207	173	159	159	169
25	161	164	173	167	190	173	193	206	163	157	155	168
26	160	165	175	166	184	174	198	222	157	156	153	171
27	159	170	178	163	182	172	196	234	161	158	154	172
28	157	170	178	168	189	171	182	254	169	162	154	172
29	162	172	180	167	194	167	176	244	186	161	154	172
30	160	169	180	166	-----	169	192	215	199	159	153	178
31	162	-----	182	163	-----	168	-----	201	-----	159	155	-----
TOTAL	4,992	4,922	5,285	5,333	5,135	5,676	5,418	6,706	5,230	5,156	4,854	4,890
MEAN	161	164	170	172	177	183	181	216	174	166	157	163
MAX	165	172	182	180	194	210	216	308	205	209	164	178
MIN	157	154	155	160	162	167	164	170	156	156	152	154
AC-FT	9,900	9,760	10,480	10,580	10,190	11,260	10,750	13,300	10,370	10,230	9,630	9,700
CAL YEAR 1999 TOTAL		62,548	MEAN	171	MAX	228	MIN	154	AC-FT	124,100		
WTR YEAR 2000 TOTAL		63,597	MEAN	174	MAX	308	MIN	152	AC-FT	126,100		

E indicates estimated discharge.

# NIOBRARA RIVER BASIN

## MERRITT RESERVOIR from Snake River, 06459300 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44,830	57,940	69,390	69,390	68,830	69,670	70,780	75,370	75,370	74,780	56,970	31,950
2	45,420	58,420	69,390	69,390	69,110	69,670	70,500	75,370	75,370	74,780	56,730	31,520
3	46,010	58,670	69,390	69,670	69,110	69,670	70,500	75,370	75,370	74,490	56,250	31,380
4	46,410	59,160	69,390	69,390	69,110	69,670	70,500	75,370	75,370	74,490	55,540	31,240
5	47,010	59,660	69,110	69,390	69,110	69,390	70,500	75,370	75,670	74,200	54,380	31,100
6	47,420	60,160	69,110	69,390	69,110	69,390	70,500	75,080	75,670	73,630	53,230	30,690
7	47,930	60,410	69,110	69,390	69,110	69,390	70,500	74,780	75,370	73,050	52,560	30,400
8	48,240	60,660	69,110	69,670	69,110	69,110	70,500	75,080	75,370	72,480	51,660	30,140
9	48,870	61,420	68,830	69,390	69,110	69,110	70,500	75,080	75,370	71,620	50,580	30,000
10	49,280	61,940	68,830	69,390	69,390	69,110	70,500	75,080	75,080	70,780	49,710	30,140
11	49,710	62,190	68,830	69,390	69,390	69,110	70,500	75,080	75,080	70,230	48,660	30,140
12	50,140	62,710	68,560	69,110	69,390	69,390	71,060	75,080	75,080	69,390	47,830	30,270
13	50,360	63,220	68,290	69,110	69,390	69,390	71,910	75,370	75,370	68,830	46,810	30,540
14	50,790	63,480	68,290	68,830	69,390	69,390	72,190	75,080	75,370	68,020	46,010	30,680
15	51,220	63,740	68,560	68,830	69,390	69,390	72,770	75,080	75,370	66,930	45,220	30,820
16	51,440	64,270	68,560	68,830	69,670	69,390	73,340	75,080	75,370	65,850	44,260	30,960
17	51,550	64,530	68,560	68,560	69,390	69,390	73,910	75,080	75,370	65,060	43,490	31,100
18	51,890	65,060	68,560	68,560	69,390	68,290	74,200	75,670	75,370	64,270	42,560	31,380
19	52,330	65,320	68,290	68,560	69,110	68,290	75,080	75,670	75,670	63,220	41,830	31,660
20	53,010	65,850	68,290	68,290	69,110	68,290	75,660	75,670	75,670	62,450	41,110	32,090
21	53,680	66,120	68,290	68,290	69,110	68,290	75,660	76,250	75,670	61,680	40,400	32,530
22	54,140	66,660	68,290	68,290	68,830	69,110	75,370	76,250	75,370	60,910	39,520	32,680
23	54,370	66,930	68,290	68,290	68,830	69,110	75,370	76,250	75,370	60,410	38,660	33,110
24	54,610	67,470	68,290	68,020	68,830	69,110	75,370	75,960	75,370	59,660	37,820	33,410
25	55,070	67,740	68,560	68,020	68,830	69,110	75,660	75,670	75,075	59,670	37,160	33,710
26	55,540	68,290	68,830	68,020	69,390	69,110	75,660	75,670	75,075	57,940	36,340	34,620
27	56,010	68,830	68,830	68,020	69,670	69,390	75,660	75,670	75,075	56,970	35,560	34,930
28	56,490	69,110	68,830	68,290	69,670	70,500	75,370	75,670	75,075	56,490	34,930	36,190
29	56,730	69,390	69,110	68,290	69,390	70,780	75,370	75,670	74,780	56,730	34,010	36,340
30	57,210	69,390	69,110	68,290	-----	70,780	75,370	75,670	74,780	56,970	33,440	36,840
31	57,690	-----	69,110	68,560	-----	70,780	-----	75,670	-----	57,210	32,530	-----
MAX	57,690	69,390	69,390	69,670	69,670	70,780	75,660	76,250	75,670	74,780	56,970	36,840
MIN	44,830	57,940	68,290	68,020	68,830	68,290	70,500	74,780	74,780	56,490	32,530	30,000
CHANGE	20,850	11,700	-280	-550	830	1,390	4,590	300	-890	-17,570	-24,680	4,310
CAL YEAR 1999			MEAN	63,756	MAX	74,780	MIN	34,320				
WTR YEAR 2000			MEAN	63,163	MAX	76,250	MIN	30,000				

# NIOBRARA RIVER BASIN

**AINSWORTH CANAL from Merritt Reservoir, 00001000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	16	65	144	268	448
2							0	122	65	179	419	305
3							0	100	65	268	554	310
4							0	75	66	335	602	322
5							0	60	77	386	560	354
6							0	60	92	399	572	377
7							0	70	102	445	616	362
8							0	69	120	502	624	299
9							0	65	141	504	623	172
10							0	67	144	551	625	169
11							0	71	142	549	610	144
12							0	71	95	532	588	134
13							0	71	75	551	599	128
14							0	76	74	602	613	119
15							0	85	74	622	623	113
16							0	94	75	624	602	109
17							0	99	75	635	608	59
18							0	78	74	620	597	0
19							0	67	79	602	497	0
20							0	60	88	590	545	0
21							0	60	91	562	587	0
22							0	59	92	509	593	0
23							0	65	101	513	590	0
24							0	71	110	555	591	0
25							19	71	110	580	579	0
26							86	67	113	565	516	0
27							17	65	120	578	546	0
28							16	64	118	274	585	0
29							16	64	109	90	590	0
30					-----		16	65	121	108	571	0
31		-----			-----		-----	65	-----	172	564	-----
TOTAL							170	2,192	2,873	14,146	17,657	3,924
MEAN							5.67	70.7	95.8	456	570	131
MAX							86	122	144	635	625	448
MIN							0	16	65	90	268	0
AC-FT							337	4,350	5,700	28,060	35,020	7,780
CAL YEAR 1999	MAX	624	MIN	0	AC-FT	71,960						
WTR YEAR 2000	MAX	635	MIN	0	AC-FT	81,250						

# NIOBRARA RIVER BASIN

## SNAKE RIVER near Burge, 06459500 - 2000

LOCATION.--N1/4 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 356 cubic feet per second May 21, gage height 2.23 feet; minimum daily discharge 8.5 cubic feet per second April 12-17.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	68	250	212	256	307	260	261	229	132	74	68
2	63	68	264	212	256	310	260	181	147	117	74	69
3	62	68	264	233	253	312	259	214	174	86	73	70
4	62	68	264	250	252	312	256	240	168	81	72	70
5	62	67	262	250	252	316	256	255	171	74	70	68
6	62	67	260	252	252	317	256	242	173	74	72	69
7	62	67	272	252	252	316	256	211	159	73	71	70
8	62	67	301	277	252	287	259	195	156	72	70	70
9	62	67	300	312	252	264	260	200	131	72	70	71
10	63	65	298	311	252	264	134	208	100	72	69	72
11	63	65	296	307	256	264	9.1	214	99	72	70	72
12	62	66	294	308	256	264	8.5	215	113	72	70	72
13	62	67	283	308	258	264	8.5	147	121	71	70	72
14	63	67	244	307	260	259	8.5	206	125	70	70	72
15	63	66	244	307	280	252	8.5	175	126	70	70	71
16	63	65	244	307	313	248	8.5	127	128	70	70	70
17	64	64	244	307	321	248	8.5	131	132	68	70	70
18	65	63	244	307	317	210	9.0	215	136	68	70	70
19	65	63	244	309	317	173	51	254	137	70	70	69
20	64	63	224	312	317	173	188	266	135	70	70	68
21	63	63	212	312	313	180	302	309	148	70	70	69
22	63	63	213	312	312	306	316	350	164	72	70	72
23	65	63	215	312	312	260	307	339	159	72	68	72
24	65	63	215	284	235	260	313	315	150	72	68	72
25	66	63	212	260	171	264	259	266	148	70	67	71
26	67	63	212	260	174	264	232	238	142	70	68	69
27	68	97	212	139	212	246	308	237	169	70	68	68
28	68	100	212	92	312	255	298	237	252	76	67	68
29	68	174	212	135	311	254	299	206	228	76	67	68
30	67	221	212	257	-----	256	278	237	166	75	67	68
31	67	-----	212	256	-----	260	-----	232	-----	74	68	-----
TOTAL	1,984	2,291	7,635	8,259	7,776	8,165	5,676.1	7,123	4,586	2,351	2,163	2,100
MEAN	64.0	76.4	246	266	268	263	189	230	153	75.8	69.8	70.0
MAX	68	221	301	312	321	317	316	350	252	132	74	72
MIN	62	63	212	92	171	173	8.5	127	99	68	67	68
AC-FT	3,940	4,540	15,140	16,380	15,420	16,200	11,260	14,130	9,100	4,660	4,290	4,170
CAL YEAR 1999	TOTAL	62,309.0	MEAN	171	MAX	361	MIN	57	AC-FT	123,600		
WTR YEAR 2000	TOTAL	60,109.1	MEAN	164	MAX	350	MIN	8.5	AC-FT	119,200		

# NIOBRARA RIVER BASIN

**KEYA PAHA RIVER near Naper, 06464900 - 2000**

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 951 cubic feet per second July 7, gage height 7.18 feet; minimum daily discharge 36 cubic feet per second estimated August 29 & 30.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	134	170	120E	154E	419	144	268	227	148	69	40
2	135	135	169	100E	160E	418	141	258	218	146	67	43
3	132	137	169	96E	170E	389	138	244	210	133	61	42
4	131	139	163	90E	180E	379	135	243	199	149	59	41
5	133	144	163	82E	170E	393	137	223	194	278	57	41
6	131	144	154	114E	170E	379	134	192	184	485	56	40
7	128	142	152	100E	180E	360E	134	179	169	816	55	42
8	130	143	165	106E	190E	350E	125	177	155	763	55	40
9	128	139	175	100E	170E	330E	127	171	134	672	55	38
10	131	136	163	100E	150E	300E	136	215	195	501	54	37
11	129	140	163	94E	170E	280E	148	312	273	385	51	37
12	125	140	160E	90E	160E	270E	139	306	274	310	46	38
13	119	140	160E	110E	170E	250E	133	261	241	257	44	38
14	115	137	155E	120E	180E	240E	137	281	249	207	41	40
15	116	141	150E	140E	170E	250E	141	293	252	168	39	41
16	121	144	140E	150E	180E	230E	149	234	231	148	42	40
17	122	143	125E	140E	190E	220E	158	210	213	135	44	40
18	123	146	120E	150E	180E	210E	167	318	190	135	44	39
19	127	148	100E	160E	190E	200E	171	428	165	132	45	41
20	124	151	88E	150E	200E	190E	192	329	159	117	47	41
21	120	153	80E	160E	210E	180E	189	357	153	110	49	42
22	117	158	86E	165E	240E	170E	198	343	147	106	46E	46
23	119	158	94E	160E	290E	170E	220	389	133	104	42E	53
24	122	156	100E	150E	280E	180E	228	336	136	98	40E	52
25	125	158	110E	140E	269	190E	231	281	133	94	37E	54
26	126	161	110E	150E	292	180E	266	254	123	95	40E	56
27	129	177	105E	160E	313	170E	348	233	118	89	39E	56
28	129	180	130E	150E	340	160E	317	217	135	86	37E	55
29	127	175	160E	160E	381	163	295	225	135	80	36E	55
30	124	166	150E	170E	-----	152	273	255	144	74	36E	55
31	131	-----	140E	160E	-----	145	-----	251	-----	71	38	-----
TOTAL	3,904	4,465	4,269	4,037	6,099	7,917	5,451	8,283	5,489	7,092	1,471	1,323
MEAN	126	149	138	130	210	255	182	267	183	229	47.5	44.1
MAX	135	180	175	170	381	419	348	428	274	816	69	56
MIN	115	134	80	82	150	145	125	171	118	71	36	37
AC-FT	7,740	8,860	8,470	8,010	12,100	15,700	10,810	16,430	10,890	14,070	2,920	2,620
CAL YEAR 1999 TOTAL		130,436	MEAN	357	MAX	3,560	MIN	59	AC-FT	258,700		
WTR YEAR 2000 TOTAL		59,800	MEAN	163	MAX	816	MIN	36	AC-FT	118,600		

E indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## FORT LARAMIE CANAL from North Platte River, 00052000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	700	938	1,500	1,510	1,400
2							0	700	925	1,500	1,510	1,370
3							0	700	925	1,510	1,510	1,340
4							0	748	925	1,510	1,510	1,310
5							0	801	925	1,510	1,510	1,270
6							0	814	923	1,510	1,510	1,250
7							0	851	962	1,500	1,510	1,250
8							0	851	1,030	1,500	1,510	1,250
9							0	854	1,070	1,510	1,510	1,230
10							0	892	1,100	1,510	1,510	1,190
11							0	949	1,080	1,500	1,510	1,150
12							0	949	1,100	1,500	1,510	1,130
13							0	978	1,100	1,500	1,510	1,100
14							0	1,050	1,110	1,520	1,510	1,110
15							0	1,100	1,150	1,500	1,510	1,120
16							0	1,120	1,190	1,500	1,510	1,120
17							0	1,130	1,250	1,510	1,500	1,120
18							0	1,050	1,250	1,510	1,500	1,110
19							0	1,050	1,280	1,500	1,500	1,100
20							0	1,050	1,350	1,500	1,500	1,020
21							0	1,050	1,400	1,500	1,500	799
22							0	1,080	1,400	1,500	1,500	508
23							0	1,110	1,450	1,500	1,500	80
24							0	1,100	1,450	1,500	1,500	0
25							0	1,100	1,480	1,500	1,500	0
26							0	1,100	1,500	1,510	1,500	0
27							0	1,100	1,500	1,500	1,500	0
28							0	1,100	1,500	1,510	1,490	0
29							0	1,050	1,500	1,510	1,490	0
30							309	1,010	1,500	1,510	1,480	0
31		-----			-----		-----	975	-----	1,510	1,430	-----
TOTAL							309	30,112	36,263	46,650	46,550	25,327
MEAN							10.3	971	1,209	1,505	1,502	844
MAX							309	1,130	1,500	1,520	1,510	1,400
MIN							0	700	923	1,500	1,430	0
AC-FT							613	59,730	71,930	92,530	92,330	50,240
CAL YEAR 1999	MAX	1,520	MIN	0	AC-FT	312,600						
WTR YEAR 2000	MAX	1,520	MIN	0	AC-FT	367,400						

# NORTH PLATTE RIVER BASIN

**FORT LARAMIE CANAL from North Platte River @ Mile Post 85.3, 00052200 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	433	608	579	596
2								0	417	612	577	572
3								156	419	608	583	551
4								400	414	612	590	546
5								391	414	612	592	536
6								366	421	610	585	531
7								361	417	603	585	527
8								359	355	601	588	531
9								352	421	599	583	536
10								353	427	599	588	525
11								364	439	619	592	510
12								350	437	612	594	487
13								350	431	619	592	467
14								357	427	612	594	463
15								376	429	610	596	467
16								419	447	608	599	465
17								437	455	610	590	467
18								437	506	612	585	469
19								431	531	610	592	465
20								437	533	610	590	459
21								437	542	614	590	441
22								439	592	614	592	421
23								433	614	610	594	321
24								433	605	605	594	187
25								433	605	608	596	86
26								435	605	599	592	40
27								437	608	594	594	18
28								439	608	588	592	0
29								439	603	581	592	0
30					-----			439	610	581	590	0
31		-----			-----		-----	433	-----	579	592	-----
TOTAL								11,493	14,765	18,759	18,292	11,684
MEAN								371	492	605	590	389
MAX								439	614	619	599	596
MIN								0	355	579	577	0
AC-FT								22,800	29,290	37,210	36,280	23,180
CAL YEAR 1999	MAX	614	MIN	0	AC-FT	130,000						
WTR YEAR 2000	MAX	619	MIN	0	AC-FT	148,700						



# NORTH PLATTE RIVER BASIN

## INTERSTATE CANAL from North Platte River, 00071000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	967	0	1,930	1,960	1,780
2							0	967	0	1,970	1,990	1,710
3							0	964	0	1,970	1,990	1,720
4							0	969	0	1,970	1,990	1,720
5							0	1,050	0	1,960	2,000	1,700
6							0	1,070	0	1,960	1,990	1,620
7							0	1,110	0	1,960	1,990	1,600
8							0	1,110	0	1,960	2,000	1,550
9							26	1,160	0	1,950	2,000	1,490
10							567	1,170	0	1,960	2,000	1,490
11							909	1,170	506	1,970	1,990	1,470
12							894	1,170	863	1,940	1,990	1,420
13							892	1,170	1,100	1,910	1,980	1,420
14							889	1,170	1,300	1,880	1,980	1,410
15							882	1,170	1,440	1,870	1,970	1,420
16							892	1,220	1,490	1,880	1,970	1,420
17							889	1,280	1,520	1,890	1,970	1,420
18							889	1,280	1,660	1,880	1,970	1,420
19							889	1,230	1,660	1,880	1,960	1,410
20							881	1,230	1,700	1,880	1,950	1,410
21							873	1,230	1,700	1,870	1,950	1,310
22							868	987	1,750	1,870	1,950	1,250
23							873	376	1,840	1,880	1,950	1,170
24							875	56	1,850	1,870	1,950	1,150
25							889	33	1,840	1,870	1,960	1,080
26							889	0	1,880	1,870	1,950	1,060
27							894	0	1,920	1,880	1,960	1,010
28							894	0	1,930	1,920	1,960	913
29							940	0	1,930	1,930	1,940	901
30					-----		1,030	0	1,920	1,930	1,910	899
31		-----			-----		-----	0	-----	1,930	1,870	-----
TOTAL							18,524	25,309	31,799	59,390	60,990	41,343
MEAN							617	816	1,060	1,916	1,967	1,378
MAX							1,030	1,280	1,930	1,970	2,000	1,780
MIN							0	0	0	1,870	1,870	899
AC-FT							36,740	50,200	63,070	117,800	121,000	82,000
CAL YEAR 1999	MAX	2,000	MIN	0	AC-FT	403,500						
WTR YEAR 2000	MAX	2,000	MIN	0	AC-FT	470,800						

# NORTH PLATTE RIVER BASIN

**LAKE ALICE RESERVOIR from North Platte, 00400300 - 2000**

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

GAGE.--Reference point

PERIOD OF RECORD.--1977 - present

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

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

DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,490	1,060	772	499	286	185	147	6,470	5,080	6,610	3,320	1,160
2	1,850	1,060	750	494	279	182	148	6,460	5,000	6,380	3,250	1,030
3	1,470	1,050	747	492	275	180	148	6,290	4,960	6,110	3,270	1,040
4	1,230	1,000	731	484	265	177	148	6,010	4,900	5,860	2,970	1,040
5	1,200	1,000	725	471	254	171	149	5,630	4,750	5,640	2,940	1,040
6	1,200	1,010	719	466	252	165	149	5,260	4,810	5,350	2,820	1,100
7	1,210	1,000	703	454	250	161	149	4,990	4,500	5,420	2,670	1,100
8	1,210	989	691	451	245	193	149	4,750	4,520	5,130	2,530	1,140
9	1,240	982	682	444	236	185	150	4,600	4,400	4,900	2,530	1,220
10	1,210	975	676	427	240	182	150	4,520	4,560	4,690	2,400	1,240
11	1,210	960	673	420	233	177	150	4,430	4,430	4,530	2,350	1,260
12	1,210	957	664	408	219	167	150	4,320	4,270	4,450	2,190	1,260
13	1,200	939	655	415	215	162	1,360	4,240	4,400	4,500	2,080	1,300
14	1,200	935	649	401	209	156	1,800	4,210	4,880	4,580	2,040	1,220
15	1,200	917	634	404	219	154	2,210	4,190	5,300	4,580	1,950	1,150
16	1,200	907	628	408	209	147	2,480	4,100	5,820	4,490	1,820	1,180
17	1,190	907	623	383	191	144	2,930	4,080	6,220	4,470	1,770	1,160
18	1,170	907	611	378	176	141	3,340	4,230	6,600	4,400	1,660	1,090
19	1,180	852	608	365	164	139	3,770	4,490	7,070	4,440	1,610	1,190
20	1,170	845	597	363	155	136	4,140	4,720	7,450	4,410	1,520	1,270
21	1,160	835	591	359	174	133	4,440	4,940	7,640	4,430	1,450	1,260
22	1,140	828	574	350	177	131	4,780	5,030	7,880	4,350	1,450	1,460
23	1,140	825	572	343	188	128	5,080	5,300	7,910	4,340	1,390	1,430
24	1,140	818	563	335	209	126	5,450	5,210	7,930	4,290	1,380	1,710
25	1,130	815	555	329	245	123	5,670	5,320	7,940	4,290	1,320	2,000
26	1,120	789	550	320	249	147	6,030	5,400	7,820	4,170	1,200	2,220
27	1,110	782	547	314	250	121	6,250	5,370	7,690	4,100	1,230	2,510
28	1,100	766	534	312	241	118	6,230	5,300	7,430	4,010	1,260	2,460
29	1,100	772	523	308	185	147	6,260	5,260	7,270	3,840	1,190	2,730
30	1,080	763	518	302	-----	147	6,370	5,160	7,160	3,710	1,230	3,030
31	1,090	-----	510	292	-----	147	-----	5,140	-----	3,520	1,190	-----
MAX	2,490	1,060	772	499	286	193	6,370	6,470	7,940	6,610	3,320	3,030
MIN	1,080	763	510	292	155	118	147	4,080	4,270	3,520	1,190	1,030
CHANGE	-2,074	-326	-253	-218	-51	-94	6,220	-1,230	2,020	-3,640	-2,330	1,840
CAL YEAR 1999			MEAN	2,108	MAX	6,990	MIN	0				
WTR YEAR 2000			MEAN	2,123	MAX	7,940	MIN	118				

# NORTH PLATTE RIVER BASIN

## LITTLE LAKE ALICE RESERVOIR from North Platte River, 00405200 - 2000

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

GAGE.--Slope gage

PERIOD OF RECORD.--1992 - present

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

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

### DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	347	151	89	65	59	55	39	373	235	339	335	343
2	317	154	86	64	59	54	42	371	233	349	332	342
3	194	158	79	65	60	54	38	367	234	357	329	339
4	131	143	73	63	59	53	36	361	235	357	333	334
5	58	127	71	63	58	52	36	355	234	366	338	335
6	74	129	70	68	62	52	33	321	243	358	351	339
7	82	130	69	67	59	51	36	309	244	350	352	341
8	85	131	69	70	58	56	32	298	243	349	342	347
9	86	131	72	70	57	53	28	255	245	344	339	350
10	84	131	70	71	58	53	26	244	244	353	336	352
11	84	131	70	64	58	53	23	233	243	352	334	341
12	84	131	69	64	58	53	23	228	244	344	335	339
13	83	131	69	63	59	52	23	227	259	339	333	324
14	82	131	69	62	57	51	103	225	282	337	328	319
15	82	123	69	62	58	51	211	221	316	335	330	315
16	82	108	68	63	57	50	317	222	337	339	334	314
17	80	100	68	62	58	49	330	237	347	342	330	312
18	80	98	68	62	58	50	372	229	354	344	332	312
19	80	92	69	63	57	48	365	231	365	334	336	325
20	79	90	69	62	57	50	357	232	358	335	339	350
21	83	89	67	62	56	48	357	234	355	333	338	372
22	91	89	74	61	56	48	362	236	354	335	336	392
23	99	89	67	60	56	48	368	237	349	335	336	405
24	108	87	67	60	56	47	374	241	346	335	338	416
25	114	86	65	59	60	46	379	259	344	335	338	398
26	121	86	65	59	57	46	366	253	344	332	330	371
27	126	85	64	60	56	44	369	247	346	333	326	380
28	132	85	64	61	56	41	376	243	342	332	330	388
29	138	84	67	60	55	42	374	240	339	332	339	374
30	141	84	68	60	-----	41	369	238	337	335	354	374
31	148	-----	66	60	-----	40	-----	236	-----	334	349	-----
MAX	347	158	89	71	62	56	379	373	365	366	354	416
MIN	58	84	64	59	55	40	23	221	233	332	326	312
CHANGE	-219	-64	-18	-6.0	-4.0	-16	329	-133	101	-3.0	15	25
CAL YEAR 1999			MEAN	219	MAX	400	MIN	58				
WTR YEAR 2000			MEAN	189	MAX	416	MIN	23				

# NORTH PLATTE RIVER BASIN

**LAKE MINATARE RESERVOIR from North Platte, 00406300 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33,300	34,200	36,100	32,800	32,500	32,000	32,200	43,800	54,300	45,200	25,600	9,340
2	34,000	34,200	34,500	32,800	32,400	32,400	32,100	44,700	54,200	44,500	25,000	9,210
3	34,500	34,200	33,300	32,800	32,500	32,400	32,100	45,400	54,100	43,900	24,300	9,130
4	34,800	34,100	33,200	32,800	32,400	32,400	32,000	46,200	54,000	43,100	23,700	9,200
5	34,900	34,000	33,200	32,700	32,400	32,400	32,000	47,000	54,000	42,600	23,000	9,240
6	34,900	34,100	33,200	32,700	32,400	32,300	31,900	47,500	53,800	41,800	22,400	9,410
7	34,900	34,100	33,100	32,700	32,400	32,400	31,900	48,300	53,700	41,200	21,800	9,630
8	34,800	34,000	33,100	32,700	32,300	32,500	31,800	48,700	53,700	40,500	21,200	9,820
9	34,800	34,000	33,100	32,700	32,300	32,500	31,800	49,300	53,700	39,800	20,700	9,990
10	34,700	34,000	33,100	32,700	32,300	32,400	31,800	49,600	53,600	39,200	20,100	10,300
11	34,700	34,000	33,000	32,700	32,400	32,400	31,800	49,900	53,400	38,500	19,500	10,600
12	34,700	34,000	33,000	32,600	32,400	32,400	31,700	50,200	53,200	37,900	18,900	11,100
13	34,700	34,000	33,000	32,600	32,300	32,400	31,700	50,500	53,000	37,200	18,300	11,500
14	34,600	34,000	33,000	32,500	32,300	32,300	31,800	50,700	52,700	36,500	17,600	11,900
15	34,700	34,000	33,000	32,600	32,300	32,400	32,300	51,000	52,600	35,800	17,100	12,300
16	34,700	33,900	32,900	32,600	32,300	32,400	32,700	51,300	52,200	35,300	16,500	12,800
17	34,600	34,000	32,900	32,500	32,400	32,400	33,300	51,800	51,900	34,600	16,000	13,100
18	34,600	33,900	32,900	32,600	32,300	32,300	34,300	52,000	54,500	34,000	15,500	13,600
19	34,600	33,800	33,000	32,600	32,300	32,300	35,200	52,300	51,300	33,400	14,900	14,300
20	34,500	33,800	33,000	32,500	32,300	32,400	35,800	52,700	50,900	32,800	14,300	14,700
21	34,500	33,800	32,900	32,600	32,200	32,400	36,400	53,100	50,400	32,200	13,800	15,400
22	34,500	33,800	32,900	32,500	32,000	32,300	37,100	53,400	49,900	31,500	13,200	16,100
23	34,400	33,100	32,900	32,500	32,000	32,300	37,900	53,800	49,500	31,000	12,700	16,800
24	34,400	32,400	32,900	32,500	32,000	32,300	38,600	54,200	48,900	30,400	12,200	17,500
25	34,400	33,700	32,900	32,500	32,100	32,300	39,200	54,600	48,400	29,800	11,600	18,300
26	34,300	34,600	32,900	32,500	32,100	32,300	39,900	54,600	47,900	29,200	11,200	19,200
27	34,300	33,600	32,900	32,500	32,000	32,200	40,500	54,400	47,400	28,700	10,800	20,200
28	34,300	36,200	32,900	32,500	32,000	32,200	41,400	54,300	46,600	28,000	10,400	21,100
29	34,300	36,200	32,800	32,500	32,000	32,200	42,400	54,400	46,100	27,400	10,100	22,100
30	34,300	36,200	32,800	32,400	-----	32,200	43,100	54,400	45,800	26,800	9,700	23,000
31	34,200	-----	32,800	32,400	-----	32,200	-----	54,400	-----	26,200	9,460	-----
MAX	34,900	36,200	36,100	32,800	32,500	32,500	43,100	54,600	54,500	45,200	25,600	23,000
MIN	33,300	32,400	32,800	32,400	32,000	32,000	31,700	43,800	45,800	26,200	9,460	9,130
CHANGE	1,520	1,960	-3,430	-322	-456	185	10,880	11,350	-8,630	-19,560	-16,750	13,560
CAL YEAR 1999			MEAN	35,030	MAX	54,300	MIN	16,200				
WTR YEAR 2000			MEAN	33,530	MAX	54,600	MIN	9,130				

## NORTH PLATTE RIVER BASIN

## WINTERS CREEK RESERVOIR, 00412000 - 2000

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

GAGE.--Reference point

PERIOD OF RECORD.--1992 - present

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

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

## DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	706	760	536	431	634	550	469	1,210	1,120	966	666	543
2	716	760	465	411	634	561	457	1,200	1,120	1,040	662	539
3	720	760	441	233	632	554	457	1,190	1,140	1,010	657	539
4	726	758	396	449	634	552	446	1,180	1,120	964	651	539
5	726	754	430	304	634	552	444	1,220	1,130	1,010	647	543
6	728	758	433	676	634	546	434	1,180	1,160	923	641	543
7	736	756	403	686	634	546	434	1,170	1,160	939	632	546
8	742	752	291	686	634	548	430	1,170	1,110	865	628	548
9	748	748	397	686	634	548	430	1,160	1,030	852	634	555
10	748	742	409	700	634	548	422	1,160	1,020	848	620	554
11	752	742	346	630	626	545	420	1,160	1,030	880	613	559
12	756	690	402	587	622	543	411	1,140	1,000	835	611	566
13	758	600	499	572	618	539	405	1,130	1,000	818	605	568
14	762	552	330	529	615	529	406	1,110	984	805	603	570
15	770	525	358	536	607	529	406	1,110	979	799	594	572
16	776	506	492	565	607	522	399	1,070	970	791	588	574
17	778	522	347	477	607	515	391	1,110	964	776	583	576
18	781	484	449	492	603	515	403	1,080	955	768	581	579
19	785	508	282	545	603	508	420	988	966	754	572	600
20	764	563	347	641	603	513	497	959	961	750	574	590
21	762	515	276	636	603	513	527	1,030	948	740	570	592
22	764	539	403	636	603	506	590	1,140	966	730	566	607
23	762	496	361	636	603	496	662	1,150	928	716	561	615
24	766	532	363	637	603	497	730	1,170	912	714	557	628
25	762	513	339	637	602	492	797	1,160	912	708	555	643
26	768	479	378	636	602	487	873	1,160	899	704	555	653
27	762	452	430	636	600	480	943	1,150	897	696	554	662
28	764	462	403	636	596	482	1,100	1,150	997	688	554	670
29	760	479	414	634	590	479	1,110	1,150	882	690	548	680
30	762	506	343	634	-----	475	1,180	1,160	1,060	686	550	686
31	760	-----	441	634	-----	474	-----	1,130	-----	676	548	-----
MAX	785	760	536	700	634	561	1,180	1,220	1,160	1,040	666	686
MIN	706	452	276	233	590	474	391	959	882	676	548	539
CHANGE	-62	-254	-65	193	-38	-122	702	-43	-69	-388	-128	138
CAL YEAR 1999			MEAN	746	MAX	1,410	MIN	276				
WTR YEAR 2000			MEAN	682	MAX	1,220	MIN	233				

# NORTH PLATTE RIVER BASIN

**MITCHELL & GERING CANAL from North Platte River, 00101100 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31						0	0	201	339	345	313
2	31						0	0	203	340	346	314
3	31						0	107	202	345	356	298
4	31						0	162	201	350	364	279
5	31						0	163	185	351	359	267
6	31						0	163	176	352	367	248
7	16						0	162	181	354	362	232
8	0						0	161	178	354	362	219
9	0						0	161	179	351	365	204
10	0						0	162	180	352	366	205
11	0						0	161	180	354	360	206
12	0						0	173	179	350	356	204
13	0						0	177	211	352	355	205
14	0						0	177	220	346	354	206
15	0						0	177	222	338	352	206
16	0						0	177	225	343	353	206
17	0						0	177	225	342	355	206
18	0						0	177	222	342	354	203
19	0						0	181	222	342	355	203
20	0						0	182	273	338	354	176
21	0						0	183	292	334	354	150
22	0						0	182	291	330	350	140
23	0						0	192	289	332	351	130
24	0						0	202	309	333	355	130
25	0						0	203	318	333	348	130
26	0						0	203	314	334	341	130
27	0						0	201	327	341	343	130
28	0						0	200	349	347	338	131
29	0						0	202	355	345	330	130
30	0				-----		0	202	354	346	333	129
31	0	-----			-----		-----	201	-----	346	320	-----
TOTAL	202						0	5,171	7,263	10,656	10,903	5,930
MEAN	6.52						0	167	242	344	352	198
MAX	31						0	203	355	354	367	314
MIN	0						0	0	176	330	320	129
AC-FT	401						0	10,260	14,410	21,140	21,630	11,760
CAL YEAR 1999	MAX	378	MIN	0	AC-FT	67,730						
WTR YEAR 2000	MAX	367	MIN	0	AC-FT	79,590						

# NORTH PLATTE RIVER BASIN

## GERING CANAL from North Platte River via Mitchell and Gering Canal, 00056000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3						0	0	135	165	199	186
2	2.8						0	0	140	181	190	196
3	2.5						0	0	137	194	198	208
4	2.2						0	0	125	189	208	187
5	2.2						0	45	125	190	196	184
6	2.2						0	111	121	193	204	174
7	2.2						0	120	125	190	200	152
8	2.3						0	129	121	191	201	152
9	1.3						0	140	129	190	201	135
10	0						0	136	134	186	198	141
11	0						0	132	130	192	200	140
12	0						0	126	128	204	203	137
13	0						0	128	125	206	205	138
14	0						0	126	133	202	206	143
15	0						0	121	132	203	196	144
16	0						0	118	136	208	195	141
17	0						0	117	136	208	193	138
18	0						0	123	129	209	201	143
19	0						0	125	134	200	202	150
20	0						0	126	152	194	201	169
21	0						0	131	173	198	200	132
22	0						0	129	177	208	203	131
23	0						0	124	178	208	194	123
24	0						0	122	179	203	200	118
25	0						0	130	177	195	202	111
26	0						0	127	177	187	201	105
27	0						0	123	185	184	211	105
28	0						0	126	187	200	210	109
29	0						0	126	189	200	195	113
30	0				-----		0	128	189	203	192	111
31	0	-----			-----		-----	127	-----	201	194	-----
TOTAL	21.0						0	3,316	4,438	6,082	6,199	4,316
MEAN	.68						0	107	148	196	200	144
MAX	3.3						0	140	189	209	211	208
MIN	0						0	0	121	165	190	105
AC-FT	42						0	6,580	8,800	12,060	12,300	8,560
CAL YEAR 1999	MAX	218	MIN	0	AC-FT	41,630						
WTR YEAR 2000	MAX	211	MIN	0	AC-FT	48,340						

# NORTH PLATTE RIVER BASIN

**TRI-STATE CANAL from North Platte River, 00145100 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	0						0	446	0	1,210	1,200	975	
2	0						0	564	0	1,220	1,230	883	
3	0						0	602	0	1,250	1,220	842	
4	0						0	657	0	1,260	1,200	851	
5	0						0	679	0	1,270	1,200	851	
6	0						0	659	206E	1,270	1,220	778	
7	0						0	679	385	1,270	1,200	737	
8	0						0	664	482	1,280	1,210	692	
9	0						0	641	489	1,280	1,220	670	
10	0						0	624	557	1,290	1,220	662	
11	0						0	633	619	1,290	1,220	654	
12	0						0	634	604	1,250	1,220	593	
13	0						0	617	713	1,200	1,230	588	
14	0						0	618	808	1,170	1,220	590	
15	0						0	634	836	1,170	1,220	583	
16	0						0	608	887	1,170	1,200	580	
17	0						140E	624	982	1,150	1,190	574	
18	0						327	620	1,020	1,120	1,190	574	
19	0						132E	633	1,060	1,130	1,190	573	
20	0						0	615	1,170	1,130	1,180	567	
21	0						0	618	1,230	1,140	1,170	563	
22	0						0	627	1,240	1,150	1,160	572	
23	0						0	663	1,260	1,150	1,160	557	
24	0						0	751	1,280	1,130	1,150	525	
25	0						0	591	1,290	1,140	1,120	317	
26	0						0	275E	1,270	1,140	1,130	159	
27	0						0	0	1,260	1,180	1,120	225	
28	0						145E	0	1,260	1,180	1,110	408	
29	0						317	0	1,260	1,170	1,080	334	
30	0				-----		328	0	1,240	1,180	1,020	91	
31	0	-----			-----		-----	0	-----	1,180	998	-----	
TOTAL	0							1,389	15,976	23,408	37,120	36,398	17,568
MEAN	0							46.3	515	780	1,197	1,174	586
MAX	0							328	751	1,290	1,290	1,230	975
MIN	0							0	0	0	1,120	998	91
AC-FT	0							2,760	31,690	46,430	73,630	72,200	34,850
CAL YEAR 1999	MAX	1,500	MIN	0	AC-FT	222,500							
WTR YEAR 2000	MAX	1,290	MIN	0	AC-FT	261,500							

E indicates estimated discharge.



# NORTH PLATTE RIVER BASIN

**TRI-STATE CANAL from Sheep Creek, 00144700 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	0	51	67	87
2								0	0	50	69	89
3								0	0	50	69	89
4								4.0	0	50	70	89
5								52	0	50	69	89
6								51	0	50	69	91
7								55	0	50	69	88
8								56	50	51	69	87
9								57	51	51	67	85
10								54	51	51	71	82
11								53	50	73	72	82
12								53	50	61	71	83
13								54	51	61	70	83
14								55	50	58	71	83
15								56	50	59	72	83
16								57	49	61	73	83
17								60	50	65	73	84
18								63	49	66	73	83
19								59	49	61	75	87
20								60	48	61	75	96
21								59	48	65	75	92
22								59	47	66	75	93
23								58	44	69	76	96
24								59	46	71	76	95
25								0	44	68	79	94
26								0	47	67	80	10
27								0	49	66	81	0
28								0	50	69	81	0
29								0	51	68	82	0
30					-----			0	51	67	83	0
31		-----			-----		-----	0	-----	68	83	-----
TOTAL								1,134.0	1,125	1,874	2,285	2,203
MEAN								36.6	37.5	60.5	73.7	73.4
MAX								63	51	73	83	96
MIN								0	0	50	67	0
AC-FT								2,250	2,230	3,720	4,530	4,370
CAL YEAR 1999	MAX	100	MIN	0	AC-FT	13,140						
WTR YEAR 2000	MAX	96	MIN	0	AC-FT	17,100						

# NORTH PLATTE RIVER BASIN

**TRI-STATE CANAL from Akers Draw, 00144500 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	7.0	11	9.0	14	10
2							0	8.0	10	9.0	14	10
3							0	7.0	10	9.0	14	10
4							0	8.0	10	9.0	17	10
5							0	8.0	10	9.0	16	10
6							0	9.0	10	9.0	18	13
7							0	9.0	10	9.0	14	13
8							7.0	9.0	10	9.0	17	12
9							7.0	9.0	9.0	9.0	17	12
10							7.0	10	9.0	9.0	19	12
11							7.0	8.0	9.0	14	14	10
12							7.0	8.0	9.0	14	14	10
13							7.0	9.0	8.0	14	14	10
14							8.0	9.0	8.0	14	14	10
15							7.0	9.0	8.0	5.0	14	10
16							7.0	9.0	8.0	7.0	14	10
17							7.0	9.0	8.0	7.0	15	10
18							7.0	9.0	8.0	14	10	10
19							7.0	9.0	11	14	9.0	11
20							7.0	9.0	9.0	14	9.0	9.0
21							7.0	9.0	9.0	14	9.0	9.0
22							7.0	9.0	9.0	14	14	10
23							7.0	9.0	9.0	14	14	9.0
24							7.0	9.0	9.0	14	15	9.0
25							7.0	9.0	9.0	14	11	9.0
26							7.0	9.0	9.0	10	13	9.0
27							7.0	10	9.0	14	13	10
28							7.0	10	9.0	15	11	10
29							7.0	10	9.0	14	9.0	10
30							7.0	11	9.0	15	10	10
31		-----			-----		-----	11	-----	16	10	-----
TOTAL							162.0	278.0	275.0	361.0	416.0	307.0
MEAN							5.40	8.97	9.17	11.6	13.4	10.2
MAX							8.0	11	11	16	19	13
MIN							0	7.0	8.0	5.0	9.0	9.0
AC-FT							321	551	545	716	825	609
CAL YEAR 1999	MAX	15	MIN	0	AC-FT	3,130						
WTR YEAR 2000	MAX	19	MIN	0	AC-FT	3,570						

# NORTH PLATTE RIVER BASIN

## TRI-STATE CANAL from Dry Spotted Tail Creek, 00144600 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	0	12	19	28
2								0	0	9.0	23	30
3								0	0	11	22	26
4								0	0	12	20	25
5								0	0	12	20	25
6								0	0	12	20	24
7								0	2.0	11	20	23
8								0	5.0	10	20	22
9								0	5.0	12	20	21
10								0	5.0	12	20	20
11								0	5.0	20	20	20
12								0	5.0	14	20	20
13								0	5.0	15	20	20
14								0	5.0	17	20	20
15								0	6.0	17	20	20
16								0	8.0	16	20	20
17								0	9.0	20	20	20
18								0	8.0	18	22	20
19								0	10	19	23	22
20								0	8.0	19	23	26
21								0	10	20	22	21
22								0	9.0	19	22	23
23								0	10	19	23	25
24								0	10	19	21	25
25								0	12	19	21	24
26								0	13	20	21	7.0
27								0	13	19	29	0
28								0	13	19	25	0
29								0	11	19	24	0
30					-----			0	10	20	25	0
31		-----			-----		-----	0	-----	19	23	-----
TOTAL								0	197.0	500.0	668	577.0
MEAN								0	6.57	16.1	21.5	19.2
MAX								0	13	20	29	30
MIN								0	0	9.0	19	0
AC-FT								0	391	992	1,320	1,140
CAL YEAR 1999	MAX	38	MIN	0	AC-FT	2,310						
WTR YEAR 2000	MAX	30	MIN	0	AC-FT	3,850						

# NORTH PLATTE RIVER BASIN

**TRI-STATE CANAL from Wet Spotted Tail Creek, 00144900 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	10	11	4.0	6.0	11
2							0	10	10	4.0	6.0	16
3							0	10	9.0	4.0	10	13
4							0	10	9.0	5.0	8.0	12
5							0	9.0	8.0	5.0	7.0	13
6							0	7.0	8.0	0	6.0	14
7							10	8.0	7.0	0	6.0	12
8							10	8.0	6.0	0	6.0	13
9							10	6.0	6.0	3.0	6.0	11
10							10	5.0	6.0	3.0	8.0	8.0
11							10	5.0	5.0	11	7.0	8.0
12							10	5.0	5.0	5.0	6.0	8.0
13							10	5.0	6.0	4.0	7.0	8.0
14							10	4.0	5.0	3.0	8.0	9.0
15							10	4.0	0	3.0	11	9.0
16							10	4.0	0	4.0	6.0	9.0
17							10	7.0	0	8.0	6.0	9.0
18							10	21	0	6.0	6.0	9.0
19							10	14	0	8.0	5.0	15
20							10	11	0	8.0	5.0	26
21							0	8.0	0	7.0	5.0	18
22							0	3.0	0	6.0	5.0	24
23							0	4.0	0	5.0	5.0	25
24							0	6.0	0	5.0	5.0	25
25							8.0	6.0	0	4.0	5.0	22
26							8.0	7.0	0	3.0	5.0	22
27							9.0	6.0	0	8.0	10	25
28							8.0	7.0	0	9.0	8.0	23
29							7.0	5.0	0	10	7.0	23
30							11	9.0	4.0	12	9.0	23
31		-----			-----		-----	10	-----	13	7.0	-----
TOTAL							191.0	234.0	105.0	170.0	207.0	463.0
MEAN							6.37	7.55	3.50	5.48	6.68	15.4
MAX							11	21	11	13	11	26
MIN							0	3.0	0	0	5.0	8.0
AC-FT							379	464	208	337	411	918
CAL YEAR 1999	MAX	32	MIN	0	AC-FT	3,020						
WTR YEAR 2000	MAX	26	MIN	0	AC-FT	2,720						

# NORTH PLATTE RIVER BASIN

**TRI-STATE CANAL from Tub Springs, 00144800 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	0	29	27	26
2								0	0	31	26	25
3								0	0	31	27	25
4								0	0	32	26	25
5								0	0	32	25	25
6								0	0	33	25	27
7								0	0	35	26	27
8								0	13	36	25	26
9								0	13	36	25	25
10								0	13	36	25	25
11								0	13	41	25	25
12								0	13	29	25	24
13								0	13	28	25	23
14								0	13	26	24	22
15								0	14	25	23	23
16								0	14	25	22	23
17								0	16	25	22	23
18								0	16	25	21	23
19								0	18	25	21	24
20								0	19	24	21	23
21								0	21	25	21	22
22								0	22	25	22	22
23								0	22	25	22	17
24								0	24	26	19	10
25								0	25	25	17	20
26								0	25	26	21	8.0
27								0	27	26	22	0
28								0	27	25	26	0
29								0	27	25	27	0
30					-----			0	28	26	28	0
31		-----			-----		-----	0	-----	27	29	-----
TOTAL								0	436	885	740	588.0
MEAN								0	14.5	28.5	23.9	19.6
MAX								0	28	41	29	27
MIN								0	0	24	17	0
AC-FT								0	865	1,760	1,470	1,170
CAL YEAR 1999	MAX	35	MIN	0	AC-FT	3,520						
WTR YEAR 2000	MAX	41	MIN	0	AC-FT	5,250						

# NORTH PLATTE RIVER BASIN

## NORTHPORT CANAL from North Platte River and Drains via Tri-State Canal, 00115100 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0						0	0	0	258	241	256
2	0						0	0	0	256	251	249
3	0						0	0	0	255	267	246
4	0						0	0	0	265	272	246
5	0						0	104	0	269	271	245
6	0						0	127	0	271	271	223
7	0						0	119	0	270	266	219
8	0						0	105	0	271	267	206
9	0						0	87	74	269	263	188
10	0						0	93	88	268	258	175
11	0						0	100	117	268	267	174
12	0						0	96	112	270	268	174
13	0						0	95	102	272	264	175
14	0						0	97	109	268	266	158
15	0						0	91	167	258	267	139
16	0						0	85	206	257	267	132
17	0						0	86	201	269	265	126
18	0						0	97	215	271	262	129
19	0						0	98	235	265	273	132
20	0						0	86	255	270	268	134
21	0						0	83	245	267	265	134
22	0						0	111	255	271	268	131
23	0						0	131	252	269	265	130
24	0						0	148	259	259	269	127
25	0						0	153	257	251	273	122
26	0						0	154	255	252	271	135
27	0						0	128	257	244	274	70
28	0						0	47	258	249	274	6.4
29	0						0	5.6	258	255	269	2.5
30	0				-----		0	.86	258	242	268	2.0
31	0	-----			-----		-----	0	-----	239	270	-----
TOTAL	0						0	2,527.46	4,435	8,118	8,260	4,585.9
MEAN	0						0	81.5	148	262	266	153
MAX	0						0	154	259	272	274	256
MIN	0						0	0	0	239	241	2.0
AC-FT	0						0	5,010	8,800	16,100	16,380	9,100
CAL YEAR 1999	MAX	265	MIN	0	AC-FT	50,470						
WTR YEAR 2000	MAX	274	MIN	0	AC-FT	55,390						

# NORTH PLATTE RIVER BASIN

## HORSE CREEK near Lyman, 06677500 - 2000

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 604 cubic feet per second September 24, gage height 5.07 feet; minimum daily discharge 10 cubic feet per second on April 13.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	36	27	23	18	16	13	17	288	179	78E	160
2	76	35	26	22	21	16	13	14	297	175	84E	201
3	73	35	26	21	20	16	14	95	287	162	81	172
4	70	34	26	22	18	16	14	235	249	152	76	177
5	65	33	26	25	19	15	13	301	249	144	77	197
6	62	33	26	21	19	16	13	329	261	135	79	194
7	59	33	26	24	19	15	12	291	255	123	75	163
8	57	33	26	22	18	15E	12	274	242	108	70	160
9	55	33	26	22	18	16E	12	269	251	86	71	185
10	53	33	25	20	18	17E	12	215	281	83	73	199
11	52	33	25	21	18	17E	11	142	279	89	79	204
12	51	34	24	23	18	18	11	134	262	93	74	200
13	50	34	25	21	17	17	10	145	251	98	73	198
14	48	34	24	21	19	16	11	144	197	102	83	185
15	47	35	26	21	20	16	12	139	171	105	80	178
16	48	36	25	21	20E	16	12	136	146	105	78	175
17	48	35	27	21	19E	16	11	161	155	117	77	179
18	46	34	26	21	20	15	11	196	167	121	74	183
19	44	33	25	21	19	15	51	185	194	119	75	210
20	44	33	24E	20	19	16E	34	163	203	107	75	313
21	43	32	24	20	20	16E	23	167	194	109	75	324
22	42	33	23	20	19	15E	20	170	211	101	77	407
23	42	32	24	20	18	16E	19	178	200	98	79	492
24	41	30	25	19	18	15E	20	159	167	95	78	544
25	40	30	24	19	18	16E	19	175	163	88	77	409
26	39	31	24	19	18	15E	17	186	159	88	87	235
27	38	28	24	20	18	15	17	213	192	85	96	160
28	38	28	24	18	17	14	14	248	292	82E	93	121
29	38	27	23	19	17	14	13	271	191	80E	91	104
30	37	27	23	17	-----	14	23	285	179	76E	108	95
31	37	-----	22	16	-----	14	-----	299	-----	72E	114	-----
TOTAL	1,563	977	771	640	540	484	487	5,936	6,633	3,377	2,507	6,724
MEAN	50.4	32.6	24.9	20.6	18.6	15.6	16.2	191	221	109	80.9	224
MAX	80	36	27	25	21	18	51	329	297	179	114	544
MIN	37	27	22	16	17	14	10	14	146	72	70	95
AC-FT	3,100	1,940	1,530	1,270	1,070	960	966	11,770	13,160	6,700	4,970	13,340
CAL YEAR 1999 TOTAL		35,255	MEAN	96.6	MAX	557	MIN	15	AC-FT	69,930		
WTR YEAR 2000 TOTAL		30,639	MEAN	83.7	MAX	544	MIN	10	AC-FT	60,770		

E indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

**SHEEP CREEK near Morrill, 06678000 - 2000**

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

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

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

PERIOD OF RECORD.--Oct. 1931 to present

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 134 cubic feet per second April 19, gage height 2.76 feet; minimum daily discharge 2.4 cubic feet per second August 7-8, 10, 20-22, and September 15, 18, 20-21, 23-24.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	89	78	72	75	75	63	55	53	3.2	3.3	2.8
2	96	86	79	72	76	75	63	55	52	3.1	2.8	2.8
3	96	85	77	73	75	74	63	57	50	3.0	2.7	2.8
4	95	84	76	72	75	74	63	20 E	50	2.8	2.6	2.8
5	94	83	76	73	76	73	62	2.8E	51	2.8	2.8	2.9
6	94	83	77	72	76	73	61	2.8E	32	2.8	2.6	2.8
7	93	83	76	72	76	73	62	2.8E	3.8	2.9	2.4	2.8
8	94	83	75	73	77	74E	64	2.8E	3.6	3.0	2.4	2.6
9	96	83	75	73	77	74E	64	2.8	3.6	3.2	2.5	2.6
10	93	84	75	72	77	74E	62	2.7	3.5	3.3	2.4	2.6
11	93	83	75	73	77	74	62	2.7	3.4	3.4	2.5	2.5
12	92	82	76	73	78	74	63	2.8	3.4	3.2	2.5	2.5
13	92	82	77	72	78	74	62	2.7	3.4	3.2	2.5	2.5
14	91	82	76	74	77	75	60	2.8	3.3	3.5	2.6	2.5
15	90	81	76	73	78	74	62	2.8	3.2	3.5	2.6	2.4
16	90	81	77	73	77	74	63	2.9	3.2	3.6	2.6	2.5
17	89	81	76	74	78	74	62	2.9	3.1	3.6	2.6	2.5
18	89	81	76	74	79	73	63	2.9	3.3	3.4	2.7	2.4
19	89	80	76	75	78	72	87	2.8	3.4	3.4	2.6	2.7
20	88	80	76	74	78	75	67	2.8	3.4	3.3	2.4	2.4
21	88	80	77	74	77	74	61	2.8	3.5	3.3	2.4	2.4
22	87	80	76	74	77	74	58	2.8	3.6	3.3	2.4	2.5
23	87	79	76	74	77	74	58	3.0	3.6	3.3	2.7	2.4
24	86	79	75	74	77	69	57	3.1	4.0	3.2	2.8	2.4
25	86	80	75	73	77	67	56	4.0	3.8	3.2	2.5	2.5
26	86	80	74	75	77	65	55	6.0	3.6	3.3	2.9	80 E
27	85	78	74	75	76	65	55	5.6	3.7	3.3	2.8	94 E
28	85	78	73	75	76	64	54	5.3	3.3	3.5	2.7	96 E
29	87	78	72	75	75	64	55	5.3	3.2	3.6	2.6	98 E
30	88	79	72	75	-----	63	58	5.3	3.3	3.7	2.7	100 E
31	90	-----	72	75	-----	63	-----	5.4	-----	3.9	2.6	-----
TOTAL	2,806	2,447	2,341	2,278	2,227	2,220	1,845	612.5	371.2	101.8	81.2	532.6
MEAN	90.5	81.6	75.5	73.5	76.8	71.6	61.5	19.8	12.4	3.28	2.62	17.8
MAX	97	89	79	75	79	75	87	60	53	3.9	3.3	100
MIN	85	78	72	72	75	63	54	2.7	3.1	2.8	2.4	2.4
AC-FT	5,570	4,850	4,640	4,520	4,420	4,400	3,660	1,210	736	202	161	1,060
CAL YEAR 1999 TOTAL	20,446.20		MEAN	56.0	MAX	100	MIN	2.8	AC-FT	40,560		
WTR YEAR 2000 TOTAL	17,863.30		MEAN	48.8	MAX	100	MIN	2.4	AC-FT	35,430		

E indicates estimated discharge.



# NORTH PLATTE RIVER BASIN

## ENTERPRISE CANAL from North Platte River, 00040000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	35	64	119	111	110
2							0	36	66	117	107	110
3							0	40	66	110	111	85
4							0	39	66	112	109	81
5							0	41	67	109	108	74
6							0	45	66	121	109	71
7							0	44	65	131	110	65
8							0	42	68	118	99	54
9							0	41	71	107	103	50
10							0	38	72	105	106	50
11							0	54	72	128	98	51
12							0	61	75	120	103	52
13							0	61	77	116	105	49
14							0	59	78	118	114	50
15							0	54	80	117	106	51
16							0	54	82	120	101	52
17							0	55	83	119	91	53
18							0	62	82	126	96	53
19							0	62	84	116	111	54
20							0	61	98	115	111	45
21							0	57	129	117	110	39
22							0	55	136	110	114	37
23							0	57	128	100	105	34
24							0	55	127	99	102	34
25							0	59	143	98	109	26
26							0	66	150	99	103	0
27							33	67	148	102	115	0
28							40	66	134	108	101	0
29							40	64	118	102	101	0
30					-----		39	65	118	102	102	0
31		-----			-----		-----	64	-----	111	94	-----
TOTAL							152	1,659	2,813	3,492	3,265	1,430
MEAN							5.07	53.5	93.8	113	105	47.7
MAX							40	67	150	131	115	110
MIN							0	35	64	98	91	0
AC-FT							301	3,290	5,580	6,930	6,480	2,840
CAL YEAR 1999	MAX	125	MIN	0	AC-FT	19,800						
WTR YEAR 2000	MAX	150	MIN	0	AC-FT	25,410						

# NORTH PLATTE RIVER BASIN

## DRY SPOTTED TAIL CREEK at Mitchell, 06679000 - 2000

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 153 cubic feet per second July 11, gage height 1.82 feet; minimum daily discharge 13 cubic feet per second April 5-8.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	26	17E	25	22	19	15	72	27	64	55	83
2	36	23	17E	25	22	20	15	74	24	63	57	82
3	36	23	18E	25	22	20	15	59	22	60	65	72
4	35	24	18E	24	22	21	14	47	21	62	62	74
5	35	22	18E	25	22	21	13	55	21	61	59	74
6	35	22	18E	25	22	21	13E	64	19	61	58	69
7	35	22	18E	24	22	22	13E	65	22	59	54	64
8	33	23	19E	23	22	25	13E	63	19	66	49	70
9	33	21	19E	25	23	26	14E	68	17	61	48	71
10	32	21	19E	25	22	24	14E	73	17	60	50	70
11	32	21	19E	25	22	23	14E	73	22	125	43	71
12	32	21	20E	26	22	23	14E	70	22	114	46	70
13	32	20	20E	23	22	23	15E	70	27	108	48	66
14	31	19	20E	23	21	22	15	69	35	97	55	67
15	31	19	20E	23	22	22	15	67	64	86	56	68
16	30	19	20	23	24	22	15	62	59	84	58	68
17	30	18	20	23	24	22	15	63	58	96	58	65
18	30	17	20	23	24	21	16	71	48	110	56	65
19	29	17	23	23	23	21	42	81	54	109	63	72
20	29	17	26	23	24	22	21	80	49	102	63	81
21	29	16	24	23	23	22	18	75	49	100	60	75
22	29	16	22	23	23	22	18	76	51	88	63	80
23	29	16	27	23	23	22	18	61	49	79	61	90
24	29	15	28	22	23	21	19	39	55	77	58	90
25	29	16	27	22	22	22	22	34	51	75	53	88
26	29	17	26	22	25	21	22	33	57	74	57	85
27	28	19	26	22	23	21	41	28	60	65	83	68
28	27	17	26	22	22	21	61	24	71	62	75	61
29	26	17	26	22	21	20	75	26	66	58	74	54
30	26	17E	26	22	-----	19	74	26	66	56	75	41
31	26	-----	25	22	-----	16	-----	27	-----	53	74	-----
TOTAL	960	581	672	726	654	667	689	1,795	1,222	2,435	1,836	2,154
MEAN	31.0	19.4	21.7	23.4	22.6	21.5	23.0	57.9	40.7	78.5	59.2	71.8
MAX	37	26	28	26	25	26	75	81	71	125	83	90
MIN	26	15	17	22	21	16	13	24	17	53	43	41
AC-FT	1,900	1,150	1,330	1,440	1,300	1,320	1,370	3,560	2,420	4,830	3,640	4,270
CAL YEAR 1999	TOTAL	13,613	MEAN	37.3	MAX	115	MIN	13	AC-FT	27,000		
WTR YEAR 2000	TOTAL	14,391	MEAN	39.3	MAX	125	MIN	13	AC-FT	28,540		

E indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER at Mitchell, 06679500 - 2000

LOCATION.--N1/4NE1/4 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 fair.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,830 cubic feet per second May 27, gage height 4.22 feet; minimum daily discharge 227 cubic feet per second July 28.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	984	595	498	444	418	436	448	625	1,530	330	240E	331
2	942	589	498	449	423	438	447	439	1,500	330E	240E	437
3	905	591	498	448	428	443	445	440	1,520	330E	244	445
4	869	585	494	444	422	442	446	488	1,430	320E	277	422
5	839	579	488	455	423	444	444	523	1,390	320E	296	422
6	811	577	489	462	425	449	438	543	1,240	320E	283	458
7	788	573	490	455	424	452	437	463	839	317	298	427
8	767	572	490	453	423	487	439	418	597	308	289	417
9	751	566	487	457	424	492	574	411	503	283	266	459
10	731	562	492	454	426	480	786	353	494	264	279	465
11	717	561	492	448	428	474	860	296	453	389	262	463
12	705	557	491	447	430	469	944	267	426	415	243	469
13	691	551	491	446	435	464	999	268	404	442	242	498
14	678	547	484	444	432	461	939	264	393	451	256	477
15	668	543	474	447	437	460	849	255	379	405	263	453
16	667	542	473	441	442	459	791	243	355	359	251	441
17	663	537	478	440	455	457	703	254	345	369	240	434
18	657	538	473	443	452	453	674	376	340	447	232	426
19	646	537	464	442	446	451	821	477	341	456	250	449
20	639	534	454	438	449	469	766	636	350	415	266	614
21	632	527	452	436	456	478	681	700E	343	383	260	699
22	626	527	448	435	456	470	631	800E	338	342	275	748
23	624	527	449	432	448	479	593	976	335	298	281	858
24	622	521	449	430	443	484	569	1,220	330E	277	272	882
25	619	518	443	428	439	470	548	1,500	330	253	264	905
26	612	515	438	434	437	462	541	1,660	360	242	245	946
27	611	512	433	434	437	458	563	1,780	374	230	273	968
28	605	509	438	431	441	454	581	1,670	468	227	269	1,120
29	605	502	439	431	439	453	628	1,590	414	230E	266	1,280
30	598	499	442	428	-----	450	672	1,580	346	230E	281	1,180
31	598	-----	443	423	-----	442	-----	1,570	-----	230E	295	-----
TOTAL	21,870	16,393	14,572	13,699	12,638	14,280	19,257	23,085	18,467	10,212	8,198	18,593
MEAN	705	546	470	442	436	461	642	745	616	329	264	620
MAX	984	595	498	462	456	492	999	1,780	1,530	456	298	1,280
MIN	598	499	433	423	418	436	437	243	330	227	232	331
AC-FT	43,380	32,520	28,900	27,170	25,070	28,320	38,200	45,790	36,630	20,260	16,260	36,880
CAL YEAR 1999	TOTAL	439,351	MEAN	1,204	MAX	4,950	MIN	302	AC-FT	871,500		
WTR YEAR 2000	TOTAL	191,264	MEAN	523	MAX	1,780	MIN	227	AC-FT	379,400		

E indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

**TUB SPRINGS near Scottsbluff, 06680000 - 2000**

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 917 cubic feet per second July 11, gage height feet 5.70 feet; minimum daily discharge 21 cubic feet per second March 10-15, April 11-14.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	37	34	25	26	23	23	34	65	56	66	76
2	54	37	34	26	26	23	23	35	65	58	64	92
3	53	37	33	25	25	21	23	41	63	58	68	81
4	54	37	32	26	25	21	22	56	61	61	69	79
5	53	37	31	26	24	21	22	56	61	58	62	80
6	52	37	31	26	24	22	22	55	55	59	62	79
7	50	37	30	26	24	21	22	63	40	56	63	78
8	49	37	30	24	24	25	23	53	32	54	60	75
9	49	37	30	24	24	22	23	49	34	52	60	69
10	48	37	30	24	24	21	22	44	34	50	60	68
11	48	37	29	24	24	21	21	45	34	231	58	65
12	47	37	29	24	24	21	22	51	30	61	61	61
13	46	36	29	24	24	21	22	53	32	55	66	56
14	46	36	29	24	24	21	22	55	32	59	68	57
15	46	36	28	24	23	21	22	49	33	57	68	64
16	46	36	28	24	23	22	23	47	35	57	64	60
17	46	36	28	24	24	22	24	52	37	64	62	60
18	45	35	28	24	24	22	25	66	33	69	61	59
19	45	33	28	24	24	22	35	57	33	70	70	67
20	44	32	26	24	23	23	28	58	38	65	72	76
21	43	32	26	24	24	23	28	55	40	67	72	66
22	42	34	26	24	25	23	28	54	39	68	68	75
23	42	37	26	24	23	23	28	54	35	62	67	80
24	42	36	26	24	23	22	29	56	34	57	62	81
25	42	36	25	25	23	23	30	58	41	59	63	71
26	41	35	25	25	24	22	31	62	48	58	61	59
27	40	34	25	25	23	22	30	62	50	61	67	68
28	41	34	24	25	23	22	30	59	57	64	65	66
29	40	35	25	25	23	22	32	59	49	64	65	64
30	38	34	25	24	-----	22	35	60	54	60	68	63
31	38	-----	25	25	-----	23	-----	61	-----	64	71	-----
TOTAL	1,428	1,071	875	762	694	683	770	1,659	1,294	2,034	2,013	2,095
MEAN	46.1	35.7	28.2	24.6	23.9	22.0	25.7	53.5	43.1	65.6	64.9	69.8
MAX	58	37	34	26	26	25	35	66	65	231	72	92
MIN	38	32	24	24	23	21	21	34	30	50	58	56
AC-FT	2,830	2,120	1,740	1,510	1,380	1,350	1,530	3,290	2,570	4,030	3,990	4,160
CAL YEAR 1999	TOTAL	16,257	MEAN	44.5	MAX	129	MIN	20	AC-FT	32,250		
WTR YEAR 2000	TOTAL	15,378	MEAN	42.0	MAX	231	MIN	21	AC-FT	30,500		

# NORTH PLATTE RIVER BASIN

## WINTERS CREEK CANAL from North Platte River, 00148000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0						0	7.7	12	25	12	18
2	0						0	13	12	23	12	23
3	0						0	13	11	21	16	21
4	0						0	13	9.5	26	20	20
5	0						0	14	9.0	24	22	19
6	0						0	16	8.4	24	20	21
7	0						0	17	8.0	24	22	20
8	0						0	17	2.5	24	21	19
9	0						0	17	2.0	22	18	20
10	0						0	16	1.9	16	18	20
11	0						0	15	3.0	29	17	18
12	0						0	15	10	27	13	16
13	0						0	15	14	27	12	16
14	0						0	14	16	28	13	16
15	0						0	15	15	26	14	15
16	0						0	18	15	24	12	14
17	0						0	18	15	23	10	13
18	0						0	20	14	27	9.1	13
19	0						0	22	14	28	12	15
20	0						0	22	16	27	16	19
21	0						0	15	18	24	17	15
22	0						0	15	17	22	18	12
23	0						0	15	16	16	18	12
24	0						0	15	22	11	17	12
25	0						0	15	27	11	15	12
26	0						0	16	30	14	13	5.3
27	0						0	16	31	13	16	0
28	0						0	16	32	13	17	0
29	0						0	16	28	13	15	0
30	0				-----		0	14	24	12	16	0
31	0	-----			-----		-----	12	-----	12	17	-----
TOTAL	0						0	482.7	453.3	656	488.1	424.3
MEAN	0						0	15.6	15.1	21.2	15.7	14.1
MAX	0						0	22	32	29	22	23
MIN	0						0	7.7	1.9	11	9.1	0
AC-FT	0						0	957	899	1,300	968	842
CAL YEAR 1999	MAX	26	MIN	0	AC-FT	5,020						
WTR YEAR 2000	MAX	32	MIN	0	AC-FT	4,970						

# NORTH PLATTE RIVER BASIN

**WINTERS CREEK CANAL from Winters Creek, 00149000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0					0	0	0	19	50	45	52
2	0					0	0	0	19	45	45	52
3	0					0	0	5.7	19	50	47	47
4	0					0	0	14	17	51	47	43
5	0					0	0	16	19	60	48	44
6	0					0	0	18	19	29	50	43
7	0					0	0	18 E	18	48	43	42
8	0					0	0	18 E	19	47	26	36
9	0					0	0	17 E	20	47	48	31
10	0					0	0	17	21	47	46	31
11	0					0	0	23	21	32	50	30
12	0					0	0	25	24	25	50	29
13	0					0	0	22	30	47	51	30
14	0					0	0	19	29	46	52	39
15	0					0	0	19	27	46	53	36
16	0					0	0	19	27	48	53	35
17	0					0	0	14	27	49	52	35
18	0					0	0	15	25	49	53	32
19	0					0	0	16	25	49	52	34
20	0					0	0	15	23	48	50	31
21	0					0	0	12	26	48	53	23
22	0					0	0	7.0	30	48	51	23
23	0					0	0	13	32	48	51	22
24	0					0	0	16	36	46	24	21
25	0					0	0	17	49	44	30	7.2
26	0					0	0	17	51	45	51	0
27	0					0	0	16	53	46	51	0
28	0					0	0	16	47	46	51	0
29	0					0	0	16	46	46	51	0
30	0				-----	0	0	16	46	44	52	0
31	0	-----			-----	0	-----	20	-----	46	52	-----
TOTAL	0					0	0	476.7	864	1,420	1,478	848.2
MEAN	0					0	0	15.4	28.8	45.8	47.7	28.3
MAX	0					0	0	25	53	60	53	52
MIN	0					0	0	0	17	25	24	0
AC-FT	0					0	0	946	1,710	2,820	2,930	1,680
CAL YEAR 1999	MAX	58	MIN	0	AC-FT	6,540						
WTR YEAR 2000	MAX	60	MIN	0	AC-FT	10,090						

E indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## CENTRAL CANAL from North Platte River, 00022000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	0						0	0	19	26	30	25	
2	0						0	0	19	29	29	26	
3	0						0	0	20	30	29	26	
4	0						0	5.7	19	31	29	25	
5	0						0	13	19	29	29	25	
6							0	5.7	19	30	29	23	
7							0	8.9	18	29	29	22	
8							0	14	18	29	28	23	
9							0	15	21	28	28	24	
10							0	14	20	28	28	24	
11							0	13	17	33	27	25	
12							0	14	17	32	27	21	
13							0	14	14	33	26	16	
14							0	18	16	35	26	21	
15							0	20	22	34	26	23	
16							0	21	22	33	26	22	
17							0	17	22	32	25	21	
18							0	20	22	32	25	21	
19							0	17	22	32	25	22	
20							0	18	22	31	26	16	
21								6.6	22	23	31	26	17
22							0	14	20	23	31	26	18
23							0	14	19	23	31	26	6.5
24							0	14	20	22	31	26	0
25							0	4.7	17	23	30	26	0
26							0	0	16	25	30	25	0
27							0	0	20	24	30	25	
28							0	0	20	24	31	25	
29							0	0	20	24	30	25	
30					-----		0	0	19	24	30	25	
31		-----			-----		0	-----	20	-----	30	25	-----
TOTAL								53.3	461.3	623	951	827	492.5
MEAN								10.7	16.5	20.8	30.7	26.7	21.4
MAX								14	22	25	35	30	26
MIN								4.7	5.7	14	26	25	6.5
AC-FT								106	915	1,240	1,890	1,640	977
CAL YEAR 1999	MAX	33	MIN	0	AC-FT	4,720							
WTR YEAR 2000	MAX	35	MIN	4.7	AC-FT	6,760							

# NORTH PLATTE RIVER BASIN

**WINTERS CREEK near Scottsbluff, 06681000 - 2000**

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 334 cubic feet per second July 11, gage height 4.65 feet; minimum daily discharge 20.0 cubic feet per second July 3.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	55	45	38	35	30	28	35	38	36	33	47
2	66	55	45	38	35	29	29	65	35	25	33	58
3	64	56	44	40	34	29	29	118	36	20	36	64
4	64	55	43	40	34	30	29	117	32	24	38	65
5	66	52	42	40	34	30	28	118	32	46	37	66
6	66	52	42	39	34	30	28	117	33	63	38	71
7	66	52	43	39	34	30	29	130	34	30	50	80
8	64	51	42	39	34	33	29	137	31	26	62	84
9	64	51	41	39	34	30	29	116	28	27	51	84
10	62	51	41	38	34	30	28	95	28	23	45	84
11	62	51	41	38	34	30	28	89	27	136	59	81
12	61	51	40	38	35	30	28	91	31	57	48	78
13	60	50	41	37	33	30	28	96	29	36	54	79
14	59	50	40	38	33	30	29	95	27	36	56	95
15	58	50	40	38	34	30	29	94	26	33	60	96
16	58	50	40	37	33	29	29	98	26	31	52	97
17	58	50	39	38	34	30	30	88	28	36	47	95
18	57	48	39	38	33	30	36	95	28	38	52	95
19	57	48	39	38	33	30	52	96	33	40	41	99
20	59	47	40	37	32	31	38	90	38	41	45	118
21	59	46	39	37	32	30	37	75	36	45	40	150
22	58	46	39	37	32	30	36	65	32	43	40	163
23	58	45	39	36	32	29	35	50	31	38	41	149
24	56	45	39	36	31	29	35	42	50	34	68	148
25	57	45	38	36	31	29	34	43	55	33	59	121
26	58	46	39	36	30	30	34	58	60	35	40	118
27	59	46	40	36	29	29	34	61	63	35	41	103
28	58	46	39	35	29	29	34	44	71	36	43	81
29	59	46	38	35	31	29	33	41	70	36	43	78
30	58	45	38	35	-----	29	37	40	56	34	44	76
31	55	-----	38	34	-----	29	-----	38	-----	35	45	-----
TOTAL	1,872	1,481	1,253	1,160	953	923	962	2,537	1,144	1,208	1,441	2,823
MEAN	60.4	49.4	40.4	37.4	32.9	29.8	32.1	81.8	38.1	39.0	46.5	94.1
MAX	66	56	45	40	35	33	52	137	71	136	68	163
MIN	55	45	38	34	29	29	28	35	26	20	33	47
AC-FT	3,710	2,940	2,490	2,300	1,890	1,830	1,910	5,030	2,270	2,400	2,860	5,600
CAL YEAR 1999	TOTAL	20,938	MEAN	57.4	MAX	197	MIN	26	AC-FT	41,530		
WTR YEAR 2000	TOTAL	17,757	MEAN	48.5	MAX	163	MIN	20	AC-FT	35,220		



# NORTH PLATTE RIVER BASIN

## MINATARE CANAL from North Platte River, 00099000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	18					29	53	60	82	96	87
2	42	.10					37	48	59	83	96	82
3	42	0					35	57	59	83	94	77
4	44	0					37	57	58	83	96	69
5	44	0					35	58	59	87	97	56
6	43	0					35	50	58	89	97	55
7	43	0					36	47	62	97	96	60
8	42	0					39	47	60	98	95	63
9	42	0					43	46	63	98	96	59
10	42	0					46	45	68	96	96	56
11	41	0					44	45	66	99	98	54
12	41	0					45	45	67	97	92	51
13	41	0					44	46	64	86	88	49
14	40	0					43	44	62	89	89	48
15	40	0					42	50	56	89	90	48
16	40	0					43	53	54	90	90	48
17	40	0					44	50	65	92	89	48
18	40	0					45	61	79	95	89	48
19	39	0					41	58	83	92	90	48
20	39	0					33	51	91	90	90	50
21	39	0					41	52	92	92	90	43
22	38	0					45	52	95	95	90	40
23	39	0					44	54	100	96	89	38
24	38	0					43	54	98	93	89	37
25	38	0					47	51	98	92	89	35
26	38	0					48	50	99	92	88	33
27	38	0					48	51	100	94	88	32
28	37	0					58	49	91	94	89	33
29	37	0					61	47	84	94	89	32
30	38	0			-----		59	58	82	94	89	36
31	37	-----			-----		-----	62	-----	94	88	-----
TOTAL	1,244	18.10					1,290	1,591	2,232	2,845	2,842	1,515
MEAN	40.1	.60					43.0	51.3	74.4	91.8	91.7	50.5
MAX	44	18					61	62	100	99	98	87
MIN	37	0					29	44	54	82	88	32
AC-FT	2,470	36					2,560	3,160	4,430	5,640	5,640	3,010
CAL YEAR 1999	MAX	102	MIN	0	AC-FT	20,190						
WTR YEAR 2000	MAX	100	MIN	0	AC-FT	26,930						

# NORTH PLATTE RIVER BASIN

## GERING CREEK near Gering, 06681500 - 2000

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 266 cubic feet per second September 19, gage height 3.43 feet; minimum daily discharge 18 cubic feet per second May 1-3.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	28	25	25	20	21	25	18	135	99	104	141
2	30	29	25	25	21	19	25	18	133	99	103	164
3	30	29	26	25	21	19	24	18	119	105	105	170
4	30	29	25	24	20	19	26	38	122	105	112	166
5	29	27	25	25	21	19	26	165	140	107	113	174
6	30	26	25	24	20	20	25	163	152	113	110	184
7	30	26	25	24	20	20	24	186	153	106	108	184
8	29	26	24	24	20	20E	24	198	147	100	104	179
9	29	25	24	24	19	21	22	170	140	100	110	182
10	29	25	24	23	19	20	21	158	126	101	108	191
11	29	25	24	23	19	20	20	136	119	104	104	187
12	29	24	24	23	19	20	20	138	114	130	105	193
13	28	24	24	23	19	20	20	134	110	145	104	181
14	29	24	24	22	20	21	20	133	125	138	105	174
15	29	24	24	23	20	20	20	128	120	132	101	173
16	29	24	24	22	19	20	20	116	120	131	99	174
17	29	24	25	22	20	20	20	117	121	137	100	176
18	29	24	24	22	20	20	42	120	117	135	105	183
19	29	24	24	22	20	19	85	123	110	132	107	201
20	29	24	24	21	20	21	25	108	108	121	105	232
21	29	24	25	22	20	20	23	106	102	123	102	224
22	29	25	25	22	21	19	21	106	93	129	108	223
23	29	25	25	21	21	21	21	103	91	128	111	217
24	29	24	24	21	20	21	20	97	90	124	110	179
25	28	25	24	22	21	20	19	105	93	119	113	125
26	28	25	24	22	20	22	19	127	101	112	120	98
27	28	24	24	22	19	23	18	139	100	108	122	90
28	29	24	24	22	20	22	18	122	108	115	125	89
29	29	24	24	21	20	23	19	132	106	112	119	89
30	28	25	24	21	-----	24	21	141	104	115	123	87
31	29	-----	25	20	-----	24	-----	152	-----	111	131	-----
TOTAL	903	756	757	702	579	638	733	3,715	3,519	3,636	3,396	5,030
MEAN	29.1	25.2	24.4	22.6	20.0	20.6	24.4	120	117	117	110	168
MAX	33	29	26	25	21	24	85	198	153	145	131	232
MIN	28	24	24	20	19	19	18	18	90	99	99	87
AC-FT	1,790	1,500	1,500	1,390	1,150	1,270	1,450	7,370	6,980	7,210	6,740	9,980
CAL YEAR 1999 TOTAL		29,171	MEAN	79.9	MAX	780	MIN	16	AC-FT	57,860		
WTR YEAR 2000 TOTAL		24,364	MEAN	66.6	MAX	232	MIN	18	AC-FT	48,330		

E indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## CASTLE ROCK - STEAMBOAT CANAL from North Platte River, 00021000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37					0	0	0	62	77	75	67
2	37					0	0	0	63	69	86	73
3	37					0	0	0	64	83	87	77
4	36					0	0	3.6	64	84	88	79
5	19					0	0	16	65	82	86	69
6	0					0	0	14	66	78	83	71
7	0					0	0	9.2	62	76	96	69
8	0					0	0	25	64	79	92	67
9	0					0	0	40	68	73	86	66
10	0					0	0	38	69	79	86	68
11	0					0	0	48	80	79	79	67
12	0					0	0	57	77	85	80	68
13	0					0	0	56	85	76	85	66
14	0					0	0	55	81	71	80	67
15	0					0	0	56	81	76	80	70
16	0					0	0	55	80	81	80	72
17	0					0	.76	54	78	91	78	71
18	0					0	1.8	56	76	93	75	67
19	0					0	0	55	80	91	78	61
20	0					0	0	50	89	91	78	56
21	0					0	0	48	90	88	78	56
22	0					0	0	45	88	78	78	54
23	0					0	0	43	85	91	77	55
24	0					0	0	42	84	77	76	49
25	0					0	0	53	86	78	76	45
26	0					0	0	66	90	83	77	44
27	0					0	0	64	87	83	82	43
28	0					0	0	60	79	81	81	42
29	0					0	0	60	79	77	77	35
30	0				-----	0	0	60	79	81	77	34
31	0	-----			-----	0	-----	61	-----	76	77	-----
TOTAL	166					0	2.56	1,289.8	2,301	2,507	2,514	1,828
MEAN	5.35					0	.085	41.6	76.7	80.9	81.1	60.9
MAX	37					0	1.8	66	90	93	96	79
MIN	0					0	0	0	62	69	75	34
AC-FT	329					0	5.1	2,560	4,560	4,970	4,990	3,630
CAL YEAR 1999	MAX	100	MIN	0	AC-FT	20,470						
WTR YEAR 2000	MAX	96	MIN	0	AC-FT	21,040						

# NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER near Minatare, 06682000 - 2000

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,980 cubic feet per second May 27, combined channel discharge; minimum daily discharge 396 cubic feet per second July 8, combined channel discharge.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,280	867	765	651	629	603	594	762	1,790	495	398E	591
2	1,230	872	761	650	641	596	573	669	1,720	453	398E	719
3	1,190	884	752	648	640	594	570	709	1,710	431	415	789
4	1,160	884	747	636	634	596	588	706	1,620	437	447	784
5	1,140	873	739	637	636	593	593	873	1,550	446	460	811
6	1,140	866	747	632	637	592	578	938	1,520	477	470	850
7	1,110	864	738	633	635	589	558	969	1,200	410	472	810
8	1,080	863	732	629	643	657	549	1,030	934	396	511	782
9	1,070	858	723	630	639	650	586	961	771	408	470	817
10	1,050	845	717	636	631	634	735	900	707	404	437	855
11	1,030	845	716	633	630	626	884	796	675	652	445	866
12	1,020	844	720	634	623	622	961	755	656	644	422	857
13	1,020	841	723	628	630	623	1,030	752	612	681	424	843
14	1,010	835	720	637	631	624	1,020	751	601	661	431	841
15	998	828	707	637	637	615	935	742	579	602	449	928
16	984	824	713	631	630	604	885	720	572	556	437	950
17	985	822	720	634	632	607	821	717	561	559	422	937
18	980	819	721	638	642	604	749	779	523	616	423	844
19	975	810	704	646	628	600	965	879	472	632	436	870
20	964	806	688	637	626	618	910	957	457	569	466	1,040
21	954	798	692	637	633	642	815	1,060	467	556	470	1,130
22	947	793	685	641	638	642	747	1,120	437	544	460	1,200
23	935	791	686	636	633	647	705	1,170	414	492	461	1,300
24	915	783	684	632	630	653	666	1,280	400	464	477	1,360
25	912	783	682	627	618	646	643	1,440	407	430	486	1,340
26	907	793	675	639	606	636	632	1,490	439	407	458	1,300
27	890	783	672	641	605	624	638	1,850	493	413	454	1,360
28	879	774	667	639	608	615	653	1,890	573	411E	496	1,390
29	880	772	665	635	606	616	665	1,810	603	407E	527	1,510
30	864	768	653	636	-----	603	737	1,800	562	411E	521	1,570
31	868	-----	656	633	-----	612	-----	1,830	-----	404E	543	-----
TOTAL	31,367	24,788	21,970	19,733	18,251	19,183	21,985	33,105	24,025	15,468	14,186	30,244
MEAN	1,012	826	709	637	629	619	733	1,068	801	499	458	1,008
MAX	1,280	884	765	651	643	657	1,030	1,890	1,790	681	543	1,570
MIN	864	768	653	627	605	589	549	669	400	396	398	591
AC-FT	62,220	49,170	43,580	39,140	36,200	38,050	43,610	65,660	47,650	30,680	28,140	59,990

CAL YEAR 1999 TOTAL 553,794 MEAN 1,517 MAX 5,980 MIN 564 AC-FT 1,098,000  
WTR YEAR 2000 TOTAL 274,305 MEAN 749 MAX 1,890 MIN 396 AC-FT 544,100

E indicates estimated discharge.

## NORTH PLATTE RIVER BASIN

## NINE MILE CANAL from North Platte River, 00106000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19						0	22	33	39	27	28
2	18						0	22	33	38	27	34
3	17						0	31	31	35	28	38
4	16						0	34	31	32	29	33
5	14						0	32	27	34	29	26
6	19						0	27	25	35	30	23
7	30						0	27	23	26	33	22
8	26						0	29	19	28	34	22
9	24						0	28	22	26	34	22
10	17						0	28	25	25	35	22
11	20						0	29	21	54	36	25
12	23						0	32	16	62	35	29
13	21						14	31	11	42	34	26
14	16						13	36	9.5	28	34	23
15	16					0	15	39	7.4	27	35	17
16	18					0	10	37	3.2	25	29	20
17	21					0	6.2	33	3.4	19	31	25
18	22					0	1.3	29	11	14	31	25
19	23					0	14	26	31	22	30	22
20	23					0	13	28	33	23	34	13
21	22					0	10	30	39	23	36	15
22	22					0	15	30	39	26	34	14
23	13					0	17	33	38	27	29	7.0
24	17					0	26	32	38	28	29	6.4
25	17					0	30	29	40	27	30	5.7
26	16					0	30	25	42	26	28	5.2
27	15					0	31	25	40	26	28	8.6
28	14					0	35	28	45	25	28	11
29	7.5					0	31	33	38	25	28	13
30	0				-----	0	22	39	38	25	29	9.2
31		-----			-----	0	-----	35	-----	26	30	-----
TOTAL	546.5					0	333.5	939	812.5	918	964	590.1
MEAN	18.2					0	11.1	30.3	27.1	29.6	31.1	19.7
MAX	30					0	35	39	45	62	36	38
MIN	0					0	0	22	3.2	14	27	5.2
AC-FT	1,080					0	661	1,860	1,610	1,820	1,910	1,170
CAL YEAR 1999	MAX	72	MIN	0	AC-FT	7,870						
WTR YEAR 2000	MAX	62	MIN	0	AC-FT	10,120						

# NORTH PLATTE RIVER BASIN

**NINE MILE CANAL from Ninemile Creek, 00106100 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47						0	25	47	52	55	50
2	47						0	31	47	54	55	48
3	47						0	38	47	53	54	47
4	36						0	43	44	54	54	47
5	26						3.6	45	43	55	51	47
6	26						6.0	50	43	56	52	45
7	26						4.5	52	45	57	56	43
8	26						11	50	47	55	56	38
9	26						18	43	42	54	56	37
10	24						18	38	43	54	54	43
11	21						19	36	47	54	55	42
12	17						29	44	47	55	54	42
13	17						36	44	47	55	53	42
14	18						36	44	47	55	53	47
15	18						36	49	48	54	52	46
16	21						37	48	49	51	54	48
17	25						40	46	50	50	52	48
18	26						42	43	49	50	49	48
19	24						13	38	49	51	50	41
20	23						21	39	51	52	52	33
21	24						34	41	52	54	52	40
22	24						35	42	53	57	53	34
23	20						34	45	54	58	52	29
24	16						34	46	56	56	51	29
25	15						37	45	54	54	51	27
26	14						38	41	57	54	51	24
27	17						34	43	54	53	52	22
28	21						32	44	53	56	51	21
29	5.5						41	46	53	56	52	21
30	0				-----		29	46	53	55	51	20
31	0	-----			-----		-----	47	-----	55	51	-----
TOTAL	697.5						718.1	1,332	1,471	1,679	1,634	1,149
MEAN	22.5						23.9	43.0	49.0	54.2	52.7	38.3
MAX	47						42	52	57	58	56	50
MIN	0						0	25	42	50	49	20
AC-FT	1,380						1,420	2,640	2,920	3,330	3,240	2,280
CAL YEAR 1999	MAX	58	MIN	0	AC-FT	15,570						
WTR YEAR 2000	MAX	58	MIN	0	AC-FT	17,220						

# NORTH PLATTE RIVER BASIN

## NINE MILE CREEK near McGrew, 06682500 - 2000

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 fair.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 273 cubic feet per second April 19, gage height 3.28 feet; minimum daily discharge 20 cubic feet per second April 18.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139	117	92	70	64	60	55	57	53	79	129	158
2	137	103	90	71	66	60	55	55	48	86	124	165
3	131	101	88	70	65	60	56	53	49	94	129	165
4	133	100	85	71	64	60	57	55	49	95	130	167
5	133	98	85	74	65	60	57	59	51	92	124	168
6	133	97	87	72	65	60	59	64	47	99	125	178
7	141	97	88	69	66	61E	59	65	44	106	130	173
8	134	98	86	68	66	62E	56	68	37	95	121	180
9	136	97	83	71	66	63	46	69	38	97	124	179
10	129	95	83	70	65	62	43	95	42	96	131	166
11	133	95	82	70	65	61	43	113	36	92	134	165
12	144	94	81	68	65	60	41	97	36	103	130	167
13	148	94	80	67	64	59	34	80	37	106	133	166
14	149	92	77	67	64	60	30	72	45	108	141	156
15	143	90	75	66	65	59	32	70	46	110	138	152
16	131	87	75	65	64	59	29	69	47	111	135	152
17	122	88	76	65	64	59	24	73	50	123	134	152
18	121	92	74	65	63	58	20	112	54	125	138	151
19	123	91	71	65	62	59	127	128	66	134	147	169
20	122	92	70	65	62	59	55	110	66	134	146	224
21	119	91	70	65	62	59	31	81	60	129	147	224
22	123	91	70	65	62	58	33	77	59	134	150	233
23	120	91	70	65	61	59	35	70	62	141	144	245
24	122	90	70	65	61	58	37	74	72	136	139	232
25	119	92	71	64	63	57	34	71	70	122	136	233
26	117	94	70	65	63	57	34	70	79	119	139	212
27	116	92	70	64	63	56	36	60	83	114	144	189
28	118	91	71	64	63	55	47	56	90	115	146	162
29	123	91	70	64	61	55	54	52	85	118	144	151
30	120	92	70	64	-----	54	87	55	81	121	147	143
31	122	-----	71	64	-----	54	-----	59	-----	126	159	-----
TOTAL	4,001	2,833	2,401	2,078	1,849	1,823	1,406	2,289	1,682	3,460	4,238	5,377
MEAN	129	94.4	77.5	67.0	63.8	58.8	46.9	73.8	56.1	112	137	179
MAX	149	117	92	74	66	63	127	128	90	141	159	245
MIN	116	87	70	64	61	54	20	52	36	79	121	143
AC-FT	7,940	5,620	4,760	4,120	3,670	3,620	2,790	4,540	3,340	6,860	8,410	10,670
CAL YEAR 1999	TOTAL	37,030	MEAN	101	MAX	391	MIN	33	AC-FT	73,450		
WTR YEAR 2000	TOTAL	33,437	MEAN	91.4	MAX	245	MIN	20	AC-FT	66,320		

E indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

**SHORT LINE CANAL from North Platte River, 00133000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1						0	8.4	38	34	47	35
2	4.0						0	12	36	37	47	36
3	3.6						0	14	36	38	48	36
4	3.6						0	17	36	39	49	36
5	3.8						0	18	37	37	49	36
6	3.7						0	19	33	35	49	36
7	4.3						0	18	30	28	46	36
8	3.9						0	15	24	30	40	36
9	4.2						0	15	24	34	38	36
10	3.6						0	19	28	32	37	36
11	3.8						0	22	23	29	37	36
12	4.8						0	18	23	32	37	34
13	5.0						0	16	27	33	37	34
14	5.1						0	15	36	33	37	34
15	4.9						0	14	37	33	37	33
16	2.9						0	14	39	33	37	33
17	0						0	19	42	36	37	32
18	0						0	27	44	37	37	31
19	0						1.5	30	49	38	37	32
20	0						0	27	46	37	38	24
21	0						0	23	44	19	40	24
22	0						0	24	41	20	41	21
23	0						0	21	42	28	40	8.6
24	0						0	24	45	32	39	8.4
25	0						0	29	44	34	38	8.5
26	0						0	31	40	42	38	7.4
27	0						5.2	25	37	41	39	6.3
28	0						13	34	39	42	39	4.4
29	0						13	37	36	43	39	4.3
30	0				-----		6.7	38	35	44	39	3.6
31	0	-----			-----		-----	39	-----	46	37	-----
TOTAL	65.3						39.4	682.4	1,091	1,076	1,250	778.5
MEAN	2.11						1.31	22.0	36.4	34.7	40.3	26.0
MAX	5.1						13	39	49	46	49	36
MIN	0						0	8.4	23	19	37	3.6
AC-FT	130						78	1,350	2,160	2,130	2,480	1,540
CAL YEAR 1999	MAX	47	MIN	0	AC-FT	7,200						
WTR YEAR 2000	MAX	49	MIN	0	AC-FT	9,880						



# NORTH PLATTE RIVER BASIN

## CHIMNEY ROCK CANAL from North Platte River, 00024000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34					0	0	15	47	67	70	71
2	33					0	0	15	50	66	70	71
3	33					0	0	18	53	67	71	71
4	32					0	0	20	54	69	71	71
5	30					0	0	26	54	69	70	71
6	27					0	0	30	55	69	70	71
7	28					0	0	31	55	69	77	70
8	25					0	0	30	50	71	84	70
9	20					0	0	31	46	70	85	70
10	17					0	0	32	43	69	86	71
11	17					0	0	32	41	71	82	71
12	16					0	0	34	39	73	79	71
13	16					0	0	37	40	69	79	71
14	15					0	0	38	47	67	80	71
15	15					0	0	37	48	65	81	65
16	15					0	0	34	46	69	80	64
17	15					0	4.4	39	48	73	77	65
18	15					0	6.7	42	48	73	78	64
19	14					0	5.0	43	41	73	80	65
20	13					0	6.6	41	47	72	81	51
21	12					0	10	41	63	73	82	44
22	12					0	14	46	61	73	80	37
23	12					0	16	50	62	71	79	38
24	12					0	13	52	62	73	78	39
25	11					0	11	49	62	74	79	38
26	11					0	15	49	69	73	78	35
27	10					0	14	49	72	72	78	35
28	10					0	15	48	71	72	79	35
29	3.2					0	17	48	70	72	77	37
30	0				-----	0	20	48	68	71	71	36
31	0	-----			-----	0	-----	48	-----	71	71	-----
TOTAL	523.2					0	167.7	1,153	1,612	2,186	2,403	1,739
MEAN	16.9					0	5.59	37.2	53.7	70.5	77.5	58.0
MAX	34					0	20	52	72	74	86	71
MIN	0					0	0	15	39	65	70	35
AC-FT	1,040					0	333	2,290	3,200	4,340	4,770	3,450
CAL YEAR 1999	MAX	81	MIN	0	AC-FT	14,110						
WTR YEAR 2000	MAX	86	MIN	0	AC-FT	19,410						

# NORTH PLATTE RIVER BASIN

## BAYARD CREEK near Bayard, 06683000 - 2000

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

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

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

PERIOD OF RECORD.--1931 - present

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 78 cubic feet per second April 19, gage height 1.51 feet; minimum daily discharge 2.3 cubic feet per second April 8.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	22	22	17	18	16	16	10	15	30	20	51
2	39	21	22	17	18	16	8.4	8.8	16	27	22	51
3	47	22	22	17	17	16	4.6	4.9	16	28	25	46
4	44	22	21	17	18	16	3.8	7.3	16	28	40	48
5	40	21	20	17	17	16	3.2	8.2	19	30	45	52
6	39	21	20	17	17	16	2.9	10	20	27	45	46
7	41	21	20	17	20	16	2.4	17	21	20	44	51
8	38	19	20	15	20	16 <sup>E</sup>	2.3	13	9.3	21	46	49
9	41	18	19	15	19	18	5.6	14	7.4	22	42	49
10	40	20	19	15	19	18	7.6	25	7.0	25	44	43
11	37	22	19	16	19	18	7.9	24	9.2	23	42	47
12	34	21	19	16	18	17	8.7	24	7.8	21	41	44
13	33	22	18	16	20	17	12	27	14	21	41	35
14	29	22	18	15	21	16	12	15	17	19	42	35
15	25	21	17	17	22	16	10	17	13	20	43	38
16	25	21	18	18	20	16	9.9	17	20	20	42	37
17	32	21	19	18	19	16	10	16	20	22	39	40
18	35	21	19	18	19	16	10	22	23	25	41	41
19	35	21	18	19	19	16	47	11	24	38	43	44
20	33	21	17	19	19	16	16	13	36	43	44	59
21	33	21	18	19	19	16	15	14	35	30	44	52
22	33	22	15	19	19	16	9.9	13	21	24	46	57
23	35	22	16	19	19	15	9.7	19	24	25	46	52
24	35	21	17	19	18	15	14	23	42	23	38	54
25	34	22	18	19	19	15	12	32	47	20	33	54
26	35	22	17	19	18	15	8.0	35	54	23	36	46
27	32	21	17	20	19	16	5.7	19	58	22	39	35
28	32	22	18	20	17	16	8.0	13	56	25	40	31
29	32	21	18	19	18	16	13	8.4	40	22	42	29
30	21	22	17	18	-----	16	15	11	36	23	42	28
31	22	-----	17	18	-----	16	-----	15	-----	24	47	-----
TOTAL	1,067	636	575	545	545	500	310.6	506.6	743.7	771	1,244	1,344
MEAN	34.4	21.2	18.5	17.6	18.8	16.1	10.4	16.3	24.8	24.9	40.1	44.8
MAX	47	22	22	20	22	18	47	35	58	43	47	59
MIN	21	18	15	15	17	15	2.3	4.9	7.0	19	20	28
AC-FT	2,120	1,260	1,140	1,080	1,080	992	616	1,000	1,480	1,530	2,470	2,670
CAL YEAR 1999 TOTAL	10,777.5		MEAN	29.5	MAX	201	MIN	6.3	AC-FT	21,380		
WTR YEAR 2000 TOTAL	8,787.9		MEAN	24.0	MAX	59	MIN	2.3	AC-FT	17,430		

E indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## ALLIANCE CANAL from Bayard Creek, 00002000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.90						0	26	29	23	29	33
2	1.4						7.5	25	29	28	30	33
3	3.4						13	23	29	29	31	30
4	2.8						12	24	29	30	26	30
5	1.8						12	25	29	30	19	32
6	1.5						13	26	30	29	17	31
7	1.8						13	29	30	27	15	32
8	1.1						14	27	28	29	16	32
9	1.5						19	28	27	30	12	32
10	1.5						20	32	27	31	13	31
11	1.0						21	32	28	29	11	31
12	.37						21	32	26	29	11	31
13	.11						23	32	30	29	11	29
14	.04						24	29	32	28	11	29
15	0					0	24	30	31	29	12	29
16						0	24	29	34	30	12	29
17						0	25	30	33	30	11	29
18						0	26	31	34	32	12	29
19						0	27	29	35	35	13	29
20						0	13	29	37	36	13	32
21						0	26	29	37	33	14	31
22						0	24	29	34	32	14	31
23						0	24	30	34	32	15	30
24						0	26	31	38	32	21	30
25						0	25	33	36	31	25	30
26						0	24	33	35	32	25	29
27						0	22	30	34	32	27	27
28						0	24	29	30	32	27	26
29						0	26	27	23	31	28	25
30					-----	0	27	28	22	31	29	25
31		-----			-----	0	-----	29	-----	31	32	-----
TOTAL	19.22					0	599.5	896	930	942	582	897
MEAN	1.28					0	20.0	28.9	31.0	30.4	18.8	29.9
MAX	3.4					0	27	33	38	36	32	33
MIN	0					0	0	23	22	23	11	25
AC-FT	38					0	1,190	1,780	1,840	1,870	1,150	1,780
CAL YEAR 1999	MAX	35	MIN	0	AC-FT	6,440						
WTR YEAR 2000	MAX	38	MIN	0	AC-FT	9,650						

# NORTH PLATTE RIVER BASIN

**RED WILLOW CREEK near Bayard, 06684000 - 2000**

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

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

PERIOD OF RECORD.--1931 - present

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 295 cubic feet per second May 5, gage height 3.17 feet; minimum daily discharge, 33 cubic feet per second April 13.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	74	68	62	55	55	48	54	53	102	83	138
2	101	72	67	62	60	55	49	61	53	94	83	175
3	102	75	66	61	61	55	57	135	58	94	85	191
4	99	74	67	51	59	54	56	275	61	98	95	157
5	93	72	66	61	60	53	55	217	59	100	92	160
6	92	73	67	60	60	53	58	188	57	100	98	206
7	92	73	68	60	60	54	58	180	54	101	107	197
8	94	75	67	60	60	54E	59	179	59	86	94	198
9	88	74	66	60	60	55E	49	181	138	80	93	194
10	91	75	67	60	60	55	41	191	123	92	90	199
11	94	75	67	60	60	54	35	187	72	95	94	186
12	92	75	67	60	60	53	35	167	71	109	97	197
13	90	76	68	60	59	52	33	196	70	118	105	192
14	90	76	68	60	59	44	34	208	70	108	107	186
15	88	76	67	60	60	40	36	205	73	96	107	187
16	87	77	68	60	59	35	36	192	76	92	118	195
17	88	77	68	60	59	37	38	182	79	109	143	198
18	88	75	68	61	58	36	42	204	121	126	115	199
19	87	75	67	61	58	36	93	197	110	134	123	210
20	87	75	66	60	58	35	53	183	88	121	139	246
21	85	74	66	60	58	34	46	171	98	118	140	243
22	84	74	66	60	57	41	49	139	82	105	136	242
23	84	73	66	59	57	52	48	123	93	101	129	231
24	83	72	66	59	57	51	53	89	96	99	124	233
25	81	72	66	60	57	50	56	98	99	95	123	233
26	80	71	64	61	57	49	62	116	105	88	125	227
27	79	70	64	60	57	49	60	85	125	84	128	209
28	78	69	64	60	56	48	54	56	138	86	135	146
29	77	68	64	60	55	47	51	57	135	82	139	114
30	77	68	63	60	-----	48	53	56	118	82	143	99
31	76	-----	63	59	-----	48	-----	56	-----	80	132	-----
TOTAL	2,729	2,205	2,055	1,857	1,696	1,482	1,497	4,628	2,634	3,075	3,522	5,788
MEAN	88.0	73.5	66.3	59.9	58.5	47.8	49.9	149	87.8	99.2	114	193
MAX	102	77	68	62	61	55	93	275	138	134	143	246
MIN	76	68	63	51	55	34	33	54	53	80	83	99
AC-FT	5,410	4,370	4,080	3,680	3,360	2,940	2,970	9,180	5,220	6,100	6,990	11,480
CAL YEAR 1999 TOTAL		38,909	MEAN	107	MAX	588	MIN	48	AC-FT	77,180		
WTR YEAR 2000 TOTAL		33,168	MEAN	90.6	MAX	275	MIN	33	AC-FT	65,790		

E indicates estimated discharge.

## NORTH PLATTE RIVER BASIN

## ALLIANCE CANAL from Red Willow Creek, 00003000 - 2000

LOCATION.--NWL/4SWL/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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12					0	0	.75	22	53	52	42
2	12					0	0	.55	21	55	53	44
3	12					0	0	.16	26	56	54	39
4	11					0	0	0	19	54	54	31
5	11					0	0	0	19	56	55	38
6	11					0	0	0	19	55	55	35
7	12					0	0	0	20	54	55	31
8	12					0	0	0	20	52	55	35
9	11					0	6.0	0	3.9	54	54	36
10	10					0	16	0	16	55	54	32
11	3.6					0	14	0	26	53	52	29
12	.80					0	15	33	30	53	53	32
13	0					0	15	36	31	51	52	30
14	0					5.5	16	11	40	50	52	29
15	0					13	16	3.7	38	47	53	30
16	0					16	16	12	44	50	44	32
17	0					16	16	22	46	50	15	29
18	0					16	16	30	48	51	40	30
19	0					16	14	28	45	49	43	31
20	0					16	13	29	34	49	45	29
21	0					16	15	27	51	49	45	29
22	0					7.7	16	29	48	51	44	29
23	0					0	16	29	48	50	45	21
24	0					0	16	24	49	51	44	23
25	0					0	16	24	53	51	45	24
26	0					0	18	22	52	51	47	22
27	0					0	18	28	54	52	44	19
28	0					0	18	30	48	52	46	11
29	0					0	18	26	53	54	41	14
30	0					0	9.4	22	52	52	44	20
31	0	-----			-----	0	-----	23	-----	52	39	-----
TOTAL	118.40					122.2	333.4	490.16	1,075.9	1,612	1,474	876
MEAN	4.93					5.55	15.2	21.3	35.9	52.0	47.5	29.2
MAX	12					16	18	36	54	56	55	44
MIN	0					0	6.0	.16	3.9	47	15	11
AC-FT	235					242	661	972	2,130	3,200	2,920	1,740
CAL YEAR 1999	MAX	58	MIN	0	AC-FT	8,910						
WTR YEAR 2000	MAX	56	MIN	0	AC-FT	12,100						

# NORTH PLATTE RIVER BASIN

**BELMONT CANAL from North Platte River, 00009000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50						0	82	88	103	105	92
2	49						0	80	85	102	105	92
3	48						0	78	87	99	112	92
4	47						0	78	94	107	115	88
5	45						0	80	92	102	115	88
6	44						0	82	92	110	115	87
7	43						0	85	89	106	113	88
8	42						0	83	78	108	110	77
9	41						0	80	79	117	108	68
10	41						59	77	93	114	107	65
11	40						47	75	92	115	107	63
12	39						55	73	87	118	107	65
13	38						55	71	91	116	106	72
14	40					0	48	71	91	114	106	75
15	15					0	28	71	90	113	102	75
16	0					0	25	70	90	113	97	75
17	0					0	23	86	87	114	92	75
18	0					0	20	95	89	114	91	75
19						0	10	93	94	113	92	75
20						0	8.4	93	93	113	92	56
21						0	7.8	90	89	113	91	34
22						0	7.1	87	90	110	91	30
23						0	6.5	91	82	108	92	36
24						0	6.2	92	90	113	91	37
25						0	6.0	93	96	111	90	37
26						0	27	91	117	103	90	36
27						0	36	89	115	102	89	36
28						0	62	89	108	103	90	36
29						0	93	94	103	103	90	35
30					-----	0	82	90	100	102	91	34
31		-----			-----	0	-----	90	-----	103	92	-----
TOTAL	622					0	712.0	2,599	2,771	3,382	3,094	1,894
MEAN	34.6					0	23.7	83.8	92.4	109	99.8	63.1
MAX	50					0	93	95	117	118	115	92
MIN	0					0	0	70	78	99	89	30
AC-FT	1,230					0	1,410	5,160	5,500	6,710	6,140	3,760
CAL YEAR 1999	MAX	119	MIN	0	AC-FT	25,470						
WTR YEAR 2000	MAX	118	MIN	0	AC-FT	29,900						

# NORTH PLATTE RIVER BASIN

## EMPIRE CANAL from North Platte River, 00039000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8							0	0	36	32	29
2	3.7							0	0	36	31	27
3	3.7							0	0	32	32	26
4	3.7							0	0	32	32	26
5	3.6							0	0	31	32	27
6	3.5							0	0	32	29	28
7	3.3							0	0	32	27	28
8	3.3							0	0	32	27	26
9	3.3							0	0	32	27	28
10	3.1							0	0	32	27	24
11	3.0							0	0	32	27	20
12	2.9							0	0	31	27	18
13	2.8							0	18	30	29	18
14	.93							0	30	29	31	18
15	0							0	30	30	30	18
16	0							0	31	26	29	18
17	0							0	30	23	29	18
18	0							0	29	23	29	18
19								0	29	23	29	18
20								0	28	23	29	16
21								0	28	22	28	11
22								0	27	25	28	9.9
23								0	26	30	28	14
24								0	27	31	28	14
25								0	27	31	28	14
26								0	29	31	28	14
27								0	29	31	28	14
28								0	27	31	28	14
29								0	22	31	28	14
30					-----			0	31	31	28	13
31		-----			-----		-----	0	-----	31	29	-----
TOTAL	44.63							0	498	922	894	580.9
MEAN	2.48							0	16.6	29.7	28.8	19.4
MAX	3.8							0	31	36	32	29
MIN	0							0	0	22	27	9.9
AC-FT	89							0	988	1,830	1,770	1,150
CAL YEAR 1999	MAX	32	MIN	0	AC-FT	2,430						
WTR YEAR 2000	MAX	36	MIN	0	AC-FT	5,830						

# NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER at Bridgeport, 06684500 - 2000

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 2,330 cubic feet per second September 30, combined flow for both channels; minimum daily discharge 513 cubic feet per second August 2, combined flow for both channels.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,720	1,260	1,040	863	843	834	791	942	2,220	726	523	907E
2	1,680	1,230	1,040	861	852	837	796	930	2,190	655	513	970
3	1,650	1,230	1,030	875	867	845	796	881	2,130	624	517	986E
4	1,620	1,210	1,030	859	867	842	806	997	2,030	619	575	1,000E
5	1,570	1,190	1,000	858	875	836	806	1,070	1,880	618	605	1,040E
6	1,540	1,200	966	837	888	821	798	1,190	1,790	614	605	1,100E
7	1,510	1,210	932	814	881	806	786	1,270	1,600	616	606	1,190E
8	1,530	1,180	908	809	860	856	789	1,300	1,280	578	597	1,190E
9	1,490	1,130	909	813	842	855	793	1,320	1,110	549	601	1,230
10	1,440	1,090	899	827	815	864	783	1,270	1,020	563	568	1,240
11	1,410	1,060	900	837	813	871	910	1,200	925	546	586	1,260
12	1,380	1,050	913	829	807	878	988	1,130	868	709	588	1,290
13	1,360	1,060	921	815	795	881	1,060	1,110	791	749	601	1,310
14	1,400	1,070	914	822	807	882	1,110	1,100	730	744	612	1,290
15	1,360	1,090	891	814	827	892	1,100	1,050	707	729	610	1,260
16	1,330	1,090	883	814	832	892	1,060	1,010	713	670	629	1,250
17	1,310	1,080	895	818	832	896	1,040	966	724	676	650	1,230
18	1,330	1,090	914	820	844	902	1,000	1,030	742	738	639	1,220
19	1,330	1,080	900	834	850	898	1,190	1,140	700	803	649	1,280
20	1,320	1,090	878	824	848	898	1,230	1,210	647	798	684	1,540
21	1,300	1,100	861	832	849	880	1,120	1,260	626	771	685	1,730
22	1,290	1,100	860	841	854	870	1,050	1,320	608	744	688	1,870
23	1,320	1,090	858	832	870	870	999	1,360	597	702	704	1,990
24	1,330	1,070	869	824	862	865	963	1,400	598	634	711	2,070
25	1,330	1,060	873	825	847	858	924	1,610	584	578	726	2,120
26	1,330	1,060	877	841	846	846	888	1,910	601	533	728	2,060
27	1,320	1,040	868	847	843	833	848	2,140	651	523	743	2,120
28	1,310	1,040	867	861	829	812	828	2,210	744	519	776	2,050
29	1,310	1,040	869	868	831	807	829	2,130	813	536	766	2,120
30	1,280	1,050	861	858	-----	801	945	2,100	802	534	781	2,270
31	1,270	-----	862	851	-----	796	-----	2,180	-----	528	822	-----
TOTAL	43,670	33,340	28,288	25,923	24,476	26,524	28,026	41,736	31,421	19,926	20,088	44,183
MEAN	1,409	1,111	913	836	844	856	934	1,346	1,047	643	648	1,473
MAX	1,720	1,260	1,040	875	888	902	1,230	2,210	2,220	803	822	2,270
MIN	1,270	1,040	858	809	795	796	783	881	584	519	513	907
AC-FT	86,620	66,130	56,110	51,420	48,550	52,610	55,590	82,780	62,320	39,520	39,840	87,640

CAL YEAR 1999 TOTAL 694,444 MEAN 1,903 MAX 6,410 MIN 717 AC-FT 1,377,000  
 WTR YEAR 2000 TOTAL 367,601 MEAN 1,004 MAX 2,270 MIN 513 AC-FT 729,100

E indicates estimated discharge.



# NORTH PLATTE RIVER BASIN

## BROWNS CREEK CANAL from North Platte River, 00019000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	34	96	81	76
2								0	33	96	83	75
3								0	33	96	88	68
4								0	38	93	89	66
5								0	44	91	87	55
6								41	43	90	85	56
7								30	41	91	81	59
8								25	40	91	83	52
9								25	43	92	85	56
10								23	42	93	86	46
11								21	43	93	88	42
12								26	58	96	87	42
13								37	49	92	84	42
14							0	37	47	92	83	39
15							0	37	45	92	85	38
16							0	36	50	93	86	36
17							0	39	55	93	86	32
18							0	44	62	93	81	31
19							0	41	65	93	79	31
20							0	41	77	91	77	30
21							0	42	87	87	76	29
22							0	46	88	64	77	34
23							0	46	88	58	81	28
24							0	47	88	56	83	20
25							0	52	96	69	83	9.9
26							0	47	97	82	79	5.9
27							0	37	98	87	77	5.8
28							0	36	98	90	76	5.6
29							0	35	97	88	70	5.5
30					-----		0	33	97	85	69	5.3
31		-----			-----		-----	33	-----	82	73	-----
TOTAL							0	957	1,876	2,705	2,528	1,121.0
MEAN							0	30.9	62.5	87.3	81.5	37.4
MAX							0	52	98	96	89	76
MIN							0	0	33	56	69	5.3
AC-FT							0	1,900	3,720	5,370	5,010	2,220
CAL YEAR 1999	MAX	98	MIN	0	AC-FT	13,320						
WTR YEAR 2000	MAX	98	MIN	0	AC-FT	18,220						

# NORTH PLATTE RIVER BASIN

**COURTHOUSE ROCK CANAL from Pumpkin Creek, 00030000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	1.2	2.1	1.1	1.0
2							0	0	1.3	2.0	1.1	1.0
3							0	0	1.3	1.9	1.1	1.0
4							0	0	1.3	1.9	1.1	.99
5							0	0	1.3	2.0	1.1	.94
6							0	0	1.3	1.9	1.1	.92
7							0	0	1.1	1.7	1.0	.98
8							0	0	0	1.7	1.6	1.0
9							0	0	0	1.6	1.5	1.0
10							0	0	0	1.5	1.7	1.0
11							0	0	0	1.5	2.2	1.0
12							0	1.2	0	1.5	1.8	1.0
13							0	2.4	0	1.4	1.7	.99
14							0	2.5	0	1.4	1.5	.99
15							0	2.6	0	1.4	1.4	.99
16							0	2.0	.69	1.5	1.3	.99
17							0	1.6	1.9	1.5	1.1	.98
18							0	1.7	2.0	1.5	1.0	.94
19							0	2.0	2.0	1.6	1.1	.92
20							0	2.1	2.0	1.5	1.2	.63
21							0	1.8	2.0	1.4	1.2	0
22							0	1.4	1.9	1.5	1.2	0
23							0	1.3	1.9	1.3	1.2	0
24							0	1.1	1.8	1.3	1.2	0
25							0	1.2	1.8	1.3	1.2	0
26							0	1.3	1.8	1.3	1.2	0
27							0	1.1	1.8	1.2	1.2	0
28							0	1.1	2.0	1.2	1.2	0
29							0	1.1	2.1	1.1	1.1	0
30					-----		0	1.1	2.1	1.0	1.0	0
31		-----			-----		-----	1.1	-----	1.0	.99	-----
TOTAL							0	31.7	36.59	46.7	39.39	19.26
MEAN							0	1.02	1.22	1.51	1.27	.64
MAX							0	2.6	2.1	2.1	2.2	1.0
MIN							0	0	0	1.0	.99	0
AC-FT							0	63	73	93	78	38
CAL YEAR 1999	MAX	3.5	MIN	0	AC-FT	196						
WTR YEAR 2000	MAX	2.6	MIN	0	AC-FT	344						

# NORTH PLATTE RIVER BASIN

**LAST CHANCE CANAL from Pumpkin Creek, 00080000 - 2000**

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 1999 TO SEP 2000

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

-----  
 No water diverted in 2000.

CAL YEAR 1999	MAX	3.1	MIN	0	AC-FT	24						
WTR YEAR 2000	MAX	0	MIN	0	AC-FT	0						

# NORTH PLATTE RIVER BASIN

**TRINNIER CANAL from Greenwood Creek, 00144200 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	0	2.4	.93	.96
2								0	0	2.4	.97	.94
3								0	0	2.4	.98	.87
4								0	0	2.4	.94	.84
5								0	0	2.4	.84	.84
6								0	0	2.2	.87	.84
7								0	0	2.3	1.1	.82
8								0	0	2.2	1.1	.81
9								0	0	1.5	1.0	.82
10								0	0	1.5	.96	.83
11								0	0	3.1	1.0	.80
12								0	0	4.0	.98	.76
13								0	0	3.9	.98	.74
14								0	0	4.0	.98	.74
15								0	0	2.1	.98	.79
16								0	0	1.2	1.0	.82
17								0	0	1.1	1.0	.78
18								0	0	1.0	1.0	.77
19								0	0	.84	1.0	.77
20								0	1.3	.77	1.1	.61
21								0	2.3	.78	1.1	.57
22								0	2.3	.77	1.0	.50
23								0	2.3	.71	1.0	.23
24								0	2.3	.71	1.1	.17
25								0	2.1	.90	1.0	.12
26								0	2.0	1.2	1.0	.06
27								0	2.3	1.0	1.0	0
28								0	2.3	.93	1.0	0
29								0	2.4	.95	1.0	0
30					-----			0	2.5	.86	1.0	0
31		-----			-----		-----	0	-----	.85	.97	-----
TOTAL								0	24.1	53.37	30.88	17.80
MEAN								0	.80	1.72	1.00	.59
MAX								0	2.5	4.0	1.1	.96
MIN								0	0	.71	.84	0
AC-FT								0	48	106	61	35
CAL YEAR 1999	MAX	4.4	MIN	0	AC-FT	278						
WTR YEAR 2000	MAX	4.0	MIN	0	AC-FT	250						

# NORTH PLATTE RIVER BASIN

## NELSON CANAL from Greenwood Creek, 00105500 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	0	3.6	4.0	4.3
2							0	0	0	3.8	4.0	4.2
3							0	0	0	4.0	4.3	4.2
4							0	0	0	4.1	4.2	4.2
5							0	0	0	4.1	4.1	4.2
6							0	0	0	4.1	4.2	4.2
7							0	0	0	4.2	4.1	4.2
8							0	0	0	4.3	4.1	4.1
9							0	0	0	4.3	4.2	4.1
10							0	0	0	3.9	4.1	4.1
11							0	0	0	0	4.1	4.1
12							0	0	0	0	4.1	4.1
13							0	0	0	0	4.2	4.0
14							0	0	0	0	4.1	4.1
15							0	0	0	2.8	4.2	3.5
16							0	0	0	4.5	4.1	3.4
17							0	0	0	4.6	4.1	3.4
18							0	0	0	4.6	4.1	3.5
19							0	0	0	4.4	4.1	4.1
20							0	0	2.6	4.4	4.1	1.3
21							0	0	4.2	4.2	4.2	0
22							0	0	4.1	4.1	4.1	0
23							0	0	4.1	4.0	4.1	0
24							0	0	4.1	3.9	4.1	0
25							0	0	4.1	3.8	4.0	0
26							0	0	4.0	3.7	4.1	0
27							0	0	3.9	4.0	4.1	0
28							0	0	3.9	4.1	4.0	0
29							0	0	3.7	4.1	4.1	0
30					-----		0	0	3.7	4.1	4.1	0
31		-----			-----		-----	0	-----	4.0	4.2	-----
TOTAL							0	0	42.4	109.7	127.6	77.3
MEAN							0	0	1.41	3.54	4.12	2.58
MAX							0	0	4.2	4.6	4.3	4.3
MIN							0	0	0	0	4.0	0
AC-FT							0	0	84	218	253	153
CAL YEAR 1999	MAX	4.8	MIN	0	AC-FT	296						
WTR YEAR 2000	MAX	4.6	MIN	0	AC-FT	708						

# NORTH PLATTE RIVER BASIN

**MEREDITH-AMMER CANAL from Pumpkin Creek, 00088000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	0	1.5	0	0
2							0	0	0	1.3	0	0
3							0	0	0	1.3	0	0
4							0	0	0	1.3	0	0
5							0	0	0	.98	0	0
6							0	0	0	.76	0	0
7							0	0	2.4	.64	0	0
8							0	0	4.5	.61	0	0
9							0	0	5.0	.68	0	0
10							0	0	5.1	.34	0	0
11							0	0	4.7	.46	0	0
12							0	0	4.3	.70	0	0
13							0	0	4.2	.68	0	0
14							0	0	4.4	.11	0	0
15							0	0	4.5	0	0	0
16							0	0	4.6	0	0	0
17							0	0	4.2	0	0	0
18							0	0	3.8	0	0	0
19							0	0	2.5	0	0	0
20							0	0	2.1	0	0	0
21							0	0	1.7	0	0	0
22							0	0	1.8	0	0	0
23							0	0	1.8	0	0	0
24							0	0	1.8	0	0	0
25							0	0	1.7	0	0	0
26							0	0	2.0	0	0	0
27							0	0	2.4	0	0	0
28							0	0	2.6	0	0	0
29							0	0	2.3	0	0	0
30					-----		0	0	1.8	0	0	0
31		-----			-----		0	0	-----	0	0	-----
TOTAL							0	0	76.2	11.36	0	0
MEAN							0	0	2.54	.37	0	0
MAX							0	0	5.1	1.5	0	0
MIN							0	0	0	0	0	0
AC-FT							0	0	151	23	0	0
CAL YEAR 1999	MAX	5.9	MIN	0	AC-FT	579						
WTR YEAR 2000	MAX	5.1	MIN	0	AC-FT	174						

# NORTH PLATTE RIVER BASIN

## PUMPKIN CREEK near Bridgeport, 06685000 - 2000

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 44 cubic feet per second April 29, gage height 2.11 feet; maximum gage height 3.56 feet December 22 due to backwater from ice; no flow many days in June, July, August, and September.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	6.3	6.5	7.1	9.0E	8.6	11	17	23	0	0	.17
2	11	6.8	6.5	7.2	9.2	8.6	11	25	21	0	0	.22
3	11	6.5	6.6	8.0E	9.8	8.7	11	24	19	0	0	.54
4	10	6.2	6.6	9.0E	9.6E	8.7	12	23	17	0	0	0
5	10	5.9	6.6E	8.0E	9.2E	8.7	11	23	18	0	0	0
6	9.5	6.1	6.8	8.2E	9.3	8.2	12	23	20	0	0	0
7	9.2	6.1	6.9	8.4E	8.7	8.8	12	24	16	0	0	0
8	9.0	6.3	6.9	8.2E	8.4	8.6E	12	25	8.1	0	0	0
9	9.0	6.3	6.6E	7.8	8.0	8.8E	12	26	.69	0	0	0
10	8.8	6.2	6.8E	7.6E	7.7	9.0E	17	26	.18	0	0	0
11	8.5	6.1	6.8E	7.8E	7.8	9.1	28	26	.04	.08	0	0
12	8.1	6.0	7.0E	8.2	7.8	9.1	35	26	.07	.21	0	0
13	8.2	5.5	7.0E	8.0E	7.8E	9.0	33	26	0	.27	0	.11
14	8.1	5.9	7.2E	8.0	7.9	9.1	32	23	0	.23	0	.63
15	7.8	5.9	7.2E	8.1	8.2	9.1	25	23	0	0	0	1.0
16	6.2	6.2	7.4E	7.9	8.8	8.9	21	22	0	0	0	1.3
17	6.2	6.5	7.6	8.4	8.8E	8.7	16	24	.03	0	0	.54
18	6.3	6.5	7.6	8.3	8.8E	8.8	13	28	.09	0	0	0
19	6.2	6.1	7.6E	8.5	8.6E	9.4	17	27	.12	0	0	.07
20	6.4	6.4	7.4E	9.0E	8.6E	9.8	11	23	.07	0	0	0
21	6.4	6.2	7.2E	9.1	8.4E	10	9.8	22	.04	.01	0	1.3
22	6.3	6.4	7.2E	9.0	8.4E	10	9.2	24	.04	0	0	3.2
23	6.3	6.7	7.2E	9.0	8.4E	9.6	9.2	24	.04	0	0	4.2
24	6.2	6.2E	7.3	9.0	8.5	9.6	9.2	21	.03	0	0	5.8
25	5.9	6.4E	7.1	9.0E	8.5	9.8	9.5	23	.01	0	0	5.6
26	5.8	6.6	7.0E	9.0E	8.6E	9.9	9.5	22	.02	0	0	4.3
27	5.8	6.4	7.1	9.1	8.8	9.8	20	23	.01	.01	0	1.1
28	5.8	6.3	7.1	9.1	8.9	10	23	21	.01	0	0	.78
29	5.8	6.3	7.1	9.1	8.7	11	15	20	0	0	0	.61
30	6.0	6.4	7.1	9.0E	-----	11	14	18	0	0	0	.55
31	6.1	-----	7.3	9.0E	-----	11	-----	21	-----	0	.07	-----
TOTAL	236.9	187.7	218.3	261.1	249.2	289.4	480.4	723	143.59	0.81	0.07	32.02
MEAN	7.64	6.26	7.04	8.42	8.59	9.34	16.0	23.3	4.79	.026	.002	1.07
MAX	11	6.8	7.6	9.1	9.8	11	35	28	23	.27	.07	5.8
MIN	5.8	5.5	6.5	7.1	7.7	8.2	9.2	17	0	0	0	0
AC-FT	470	372	433	518	494	574	953	1,430	285	1.6	.1	64
CAL YEAR 1999	TOTAL	3,843.01	MEAN	10.5	MAX	34	MIN	.03	AC-FT	7,620		
WTR YEAR 2000	TOTAL	2,822.49	MEAN	7.71	MAX	35	MIN	0	AC-FT	5,600		

E indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

**BEERLINE CANAL from North Platte River, 00007000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	0	3.9	14	10
2							0	0	0	4.3	18	10
3							0	0	3.0E	4.1	18	9.6
4							0	0	6.0E	3.9	18	9.3
5							0	0	3.0E	4.3	18	9.1
6							0	0	0	16	18	9.0
7							0	0	0	29	18	8.9
8							0	0	0	28	18	8.9
9							0	0	0	27	18	8.9
10							0	0	0	28	18	8.8
11							0	0	0	27	12	8.7
12							0	0	0	30	7.9	8.5
13							0	0	0	30	8.0	8.4
14							0	0	0	30	8.1	8.6
15							0	0	0	30	8.3	8.7
16							0	0	0	29	8.3	8.7
17							0	0	0	27	8.4	8.7
18							0	0	0	24	8.5	8.7
19							0	0	1.6	24	8.4	8.3
20							0	0	3.2	21	8.5	6.6
21							0	0	8.9	14	8.8	7.0
22							0	0	15	7.1	8.8	7.3
23							0	0	15	7.1	8.9	7.9
24							0	0	20	7.0	8.9	6.2
25							0	0	22	6.9	9.9	5.2
26							0	0	22	6.6	11	5.3
27							0	0	20	6.4	11	5.8
28							0	0	16	6.3	11	5.7
29							0	0	12	6.4	11	5.6
30					-----		0	0	3.8	6.5	11	5.6
31		-----			-----		0	0	-----	6.4	11	-----
TOTAL							0	0	171.5	501.2	373.7	238.0
MEAN							0	0	5.72	16.2	12.1	7.93
MAX							0	0	22	30	18	10
MIN							0	0	0	3.9	7.9	5.2
AC-FT							0	0	340	994	741	472
CAL YEAR 1999 MAX		25	MIN	0	AC-FT	2,240						
WTR YEAR 2000 MAX		30	MIN	0	AC-FT	2,550						

E indicates estimated discharge.



# NORTH PLATTE RIVER BASIN

**BELMONT CANAL from Cedar Creek, 00010000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	5.2	3.0	1.8	2.9	2.6
2							0	3.9	1.4	1.4	3.0	2.5
3							0	3.7	1.0	1.5	2.6	3.1
4							0	3.0	.81	1.6	2.3	2.8
5							0	2.2	1.0	1.7	2.6	3.1
6							0	2.0	1.4	1.7	2.3	2.9
7							0	1.8	1.6	1.6	2.5	2.7
8							0	1.7	2.8	1.4	2.3	2.4
9							0	1.2	3.8	1.5	2.3	2.8
10							0	.99	4.0	1.6	2.5	2.8
11							0	1.0	4.2	1.7	2.4	2.8
12							0	1.4	3.7	1.7	2.6	2.7
13							0	2.0	3.3	1.9	2.7	2.5
14							0	2.9	4.4	2.0	2.8	2.5
15							0	2.4	4.7	2.2	2.9	2.5
16							0	1.2	4.4	2.1	2.4	2.6
17							0	1.8	4.4	2.2	2.4	2.6
18							0	2.6	3.6	2.2	2.6	2.5
19							0	2.4	3.5	2.4	2.4	2.4
20							0	1.6	3.5	2.5	2.3	2.5
21							0	2.7	3.7	2.4	2.4	2.6
22						0	0	3.6	4.0	3.1	2.8	2.5
23						0	0	3.2	4.0	2.8	2.6	0
24						0	0	3.5	3.7	2.7	2.1	0
25						0	2.0	4.2	4.3	2.0	2.6	0
26						0	6.1	3.1	4.2	2.4	2.5	0
27						0	6.2	1.6	3.7	2.2	2.1	0
28						0	6.2	1.1	1.5	3.1	2.1	0
29						0	6.4	2.0	1.2	3.1	2.2	0
30					-----	0	7.4	4.0	2.0	3.0	2.8	0
31		-----			-----	0	-----	4.5	-----	2.4	2.2	-----
TOTAL						0	34.3	78.49	92.81	65.9	77.2	58.4
MEAN						0	1.14	2.53	3.09	2.13	2.49	1.95
MAX						0	7.4	5.2	4.7	3.1	3.0	3.1
MIN						0	0	.99	.81	1.4	2.1	0
AC-FT						0	68	156	184	131	153	116
CAL YEAR 1999	MAX	7.8	MIN	0	AC-FT	970						
WTR YEAR 2000	MAX	7.4	MIN	0	AC-FT	807						

# NORTH PLATTE RIVER BASIN

**LIISCO CANAL from North Platte River, 00082000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	42	33	31	34
2								0	36	31	39	39
3								0	33	34	53	45
4								0	33	33	62	49
5								0	31	33	53	45
6								0	30	37	47	46
7								0	29	44	47	46
8								0	16	44	42	45
9								0	38	43	37	43
10								0	52	42	29	39
11								0	49	44	29	39
12								0	53	42	26	42
13								0	55	37	23	40
14								0	47	41	28	34
15								0	47	31	31	31
16								0	46	22	33	27
17								0	50	37	30	24
18								0	49	40	33	26
19								0	47	36	35	29
20								0	42	33	37	37
21								0	47	36	30	41
22								22	51	37	30	33
23								34	49	33	31	20
24								38	49	30	31	26
25								33	46	27	38	25
26								31	48	29	39	20
27								29	47	32	37	15
28								33	46	34	32	16
29								26	40	37	29	9.6
30					-----			30	37	38	29	11
31		-----			-----		-----	38	-----	35	32	-----
TOTAL								314	1,285	1,105	1,103	976.6
MEAN								10.1	42.8	35.6	35.6	32.6
MAX								38	55	44	62	49
MIN								0	16	22	23	9.6
AC-FT								623	2,550	2,190	2,190	1,940
CAL YEAR 1999	MAX	83	MIN	0	AC-FT	10,160						
WTR YEAR 2000	MAX	62	MIN	0	AC-FT	9,490						

# NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER at Lisco, 06686000 - 2000

LOCATION.--SW1/4NE1/4 Sec. 33-18-46 W., Garden County, Lat. 41° 29' 24", Long. 102° 37' 04", on left bank 40 feet downstream of highway bridge, and 0.5 mile south of Lisco.

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

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

PERIOD OF RECORD.--May to September 1916, June to October 1917, September 1931 - present. Monthly discharge only some periods, published in 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 2,310 cubic feet per second September 25, gage height 2.29 feet; minimum daily discharge 357 cubic feet per second July 10.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,950	1,330	1,160	972	944	930	853	1,210	2,100	629	455	709
2	1,900	1,300	1,140	972	1,000	932	823	1,160	2,060	532	424	779
3	1,900	1,320	1,140	997	1,020	933	812	1,110	1,970	451	420	902
4	1,840	1,310	1,150	932	993	938	815	1,130	1,890	438	419	1,050
5	1,780	1,290	1,130	977	970	925	822	1,240	1,780	426	451	1,070
6	1,720	1,270	1,160	973	951	920	838	1,320	1,670	424	484	1,100
7	1,680	1,260	1,170	957	951	955	807	1,460	1,620	390	502	1,140
8	1,640	1,280	1,130	930	943	1,220	806	1,580	1,390	395	492	1,170
9	1,590	1,270	1,100	928	944	1,110	821	1,590	1,130	368	494	1,170
10	1,570	1,230	1,080	910	955	992	834	1,550	1,030	357	485	1,180
11	1,540	1,230	1,050	910	956	941	869	1,460	972	375	458	1,210
12	1,530	1,260	1,060	925	933	919	1,050	1,350	870	372	477	1,230
13	1,500	1,270	1,080	909	944	902	1,120	1,260	770	590	491	1,250
14	1,470	1,240	1,080	923	966	915	1,190	1,270	695	645	486	1,260
15	1,460	1,180	1,000E	933	996	905	1,230	1,260	648	626	500	1,260
16	1,480	1,140	940E	961	963	894	1,210	1,200	660	587	516	1,270
17	1,470	1,100	899	962	939	861	1,170	1,160	659	547	525	1,280
18	1,470	1,080	913	971	958	840	1,060	1,220	642	576	548	1,260
19	1,450	1,090	960E	994	951	850	1,100	1,250	653	628	531	1,320
20	1,420	1,140	1,000E	987	946	847	1,320	1,360	608	705	522	1,510
21	1,380	1,160	1,100E	962	938	867	1,210	1,380	523	749	574	1,670
22	1,330	1,200	1,160	941	923	874	1,090	1,410	473	795	594	1,810
23	1,300	1,190	1,080	933	932	863	1,040	1,390	445	738	588	2,000
24	1,310	1,150	1,050	950	939	843	1,040	1,350	431	689	624	2,140
25	1,310	1,150	1,050	945	953	825	1,030	1,410	420	612	621	2,240
26	1,340	1,140	1,050	968	949	832	1,010	1,720	398	518	652	2,210
27	1,360	1,140	1,040	944	964	834	955	1,950	436	448	643	2,100
28	1,340	1,140	1,050	978	967	855	933	2,110	528	459	642	2,030
29	1,350	1,140	1,050	1,010	948	876	933	2,040	618	443	666	1,900
30	1,340	1,150	1,030	1,000	-----	881	1,250	1,980	692	463	669	2,000
31	1,330	-----	987	972	-----	883	-----	2,050	-----	463	681	-----
TOTAL	47,050	36,150	32,989	29,626	27,736	28,162	30,041	44,930	28,781	16,438	16,634	43,220
MEAN	1,518	1,205	1,064	956	956	908	1,001	1,449	959	530	537	1,441
MAX	1,950	1,330	1,170	1,010	1,020	1,220	1,320	2,110	2,100	795	681	2,240
MIN	1,300	1,080	899	909	923	825	806	1,110	398	357	419	709
AC-FT	93,320	71,700	65,430	58,760	55,010	55,860	59,590	89,120	57,090	32,600	32,990	85,730
CAL YEAR 1999 TOTAL		699,280	MEAN	1,916	MAX	5,560	MIN	810	AC-FT	1,387,000		
WTR YEAR 2000 TOTAL		381,757	MEAN	1,043	MAX	2,240	MIN	357	AC-FT	757,200		

E indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

**MIDLAND-OVERLAND CANAL from North Platte River, 00098000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0						0	0	0	22	11	12
2	0						0	0	0	19	10	11
3	0						0	0	0	13	13	13
4	3.8						0	0	0	10	12	14
5	5.3						0	0	0	13	13	14
6	4.4						0	0	1.9	15	11	5.2
7	.92						0	0	4.1	13	15	3.9
8	.54						0	0	4.0	14	13	5.4
9	0						0	0	.31	12	9.6	7.9
10	0						0	0	0	8.8	5.8	9.5
11	0						0	0	0	9.6	1.2	5.6
12	0						0	0	0	2.5	1.1	3.2
13	0						0	0	.11	5.5	1.2	2.4
14	0						0	0	14	14	2.0	2.5
15	0						0	0	14	16	2.3	2.2
16	0						0	0	12	17	7.0	2.3
17	0						0	0	11	13	8.7	5.4
18							0	0	9.5	17	9.4	4.4
19							0	0	15	17	10	4.7
20							0	0	22	12	11	8.5
21							0	0	21	9.6	11	.99
22							0	0	20	17	13	1.1
23							0	0	20	12	12	1.2
24							0	0	19	9.4	12	1.5
25							0	0	19	9.1	12	1.5
26							0	0	21	14	13	1.5
27							0	0	24	14	13	1.1
28							0	0	23	11	18	.56
29							0	0	23	10	21	.53
30					-----		0	0	22	13	19	2.8
31		-----			-----		0	0	-----	12	14	-----
TOTAL	14.96						0	0	319.92	394.5	325.3	149.88
MEAN	.88						0	0	10.7	12.7	10.5	5.00
MAX	5.3						0	0	24	22	21	14
MIN	0						0	0	0	2.5	1.1	.53
AC-FT	30						0	0	635	782	645	297
CAL YEAR 1999	MAX	23	MIN	0	AC-FT	1,660						
WTR YEAR 2000	MAX	24	MIN	0	AC-FT	2,390						

## NORTH PLATTE RIVER BASIN

## PAISLEY CANAL from Blue Creek, 00120000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17							0	0	0	5.1	17
2	17							0	0	0	2.6	17
3	16							0	0	0	3.1	16
4	15							0	0	0	7.5	15
5	15							0	0	0	8.0	15
6	14							0	0	0	6.9	14
7	14							0	0	0	4.4	15
8	14							0	0	0	2.7	14
9	8.1							0	0	0	2.3	14
10	4.0							0	0	0	0	14
11	4.0							0	.02	1.2	0	14
12	4.0							0	12	.08	0	14
13	4.0							0	16	0	0	15
14	4.0							0	16	4.4	0	15
15	4.3							0	15	6.3	0	15
16	4.5							0	16	12	0	15
17	4.6							0	15	11	0	15
18	4.8							0	15	5.9	0	15
19	4.9							0	15	2.8	0	16
20	4.9							0	16	2.4	0	20
21	4.3							0	6.7	5.2	0	20
22	2.9							0	.80	8.4	.57	17
23	2.3							0	.86	6.6	.71	16
24	.92							0	0	4.5	7.7	17
25	0							0	0	4.2	9.9	17
26	0							0	0	5.0	13	17
27	0							0	0	5.2	14	16
28	0							0	0	6.2	14	16
29	0							0	0	5.4	15	16
30	0							0	0	5.1	15	16
31	0	-----			-----		-----	0	-----	5.2	16	-----
TOTAL	188.52							0	144.38	107.08	148.48	473
MEAN	6.28							0	4.81	3.45	4.79	15.8
MAX	17							0	16	12	16	20
MIN	0							0	0	0	0	14
AC-FT	374							0	286	212	295	938
CAL YEAR 1999	MAX	17	MIN	0	AC-FT	3,020						
WTR YEAR 2000	MAX	20	MIN	0	AC-FT	2,110						

# NORTH PLATTE RIVER BASIN

**BLUE CREEK & HOOPER CANAL from Blue Creek, 00017100 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9							0	0	43	47	51
2	9.7							0	0	44	45	51
3	9.4							0	0	43	33	51
4	9.3							0	0	44	40	18
5	9.1							0	0	47	46	0
6	9.2							13	0	46	50	0
7	9.6							8.1	0	49	50	0
8	9.8							8.3	0	52	49	0
9	9.6							8.0	0	49	49	0
10	12							11	.94	44	49	0
11	15							10	13	46	45	5.3
12	16							12	18	41	41	17
13	16							17	20	40	42	29
14	16							18	23	37	44	29
15	7.9							18	29	31	44	33
16	3.0							18	38	30	45	35
17	3.0							18	41	37	45	35
18	.03							20	41	49	44	29
19								7.3	44	46	42	25
20								11	49	46	42	30
21								16	48	44	43	22
22								15	46	36	43	17
23								15	46	41	45	17
24								18	42	46	44	18
25								28	42	50	43	19
26								27	47	49	43	24
27								19	48	49	43	23
28								14	46	46	47	21
29								12	44	38	48	20
30					-----			12	42	37	48	20
31		-----			-----		-----	4.6	-----	43	49	-----
TOTAL	174.53							378.3	767.94	1,343	1,388	639.3
MEAN	9.70							12.2	25.6	43.3	44.8	21.3
MAX	16							28	49	52	50	51
MIN	.03							0	0	30	33	0
AC-FT	346							750	1,520	2,660	2,750	1,270
CAL YEAR 1999	MAX	52	MIN	0	AC-FT	7,960						
WTR YEAR 2000	MAX	52	MIN	0	AC-FT	9,300						

# NORTH PLATTE RIVER BASIN

## HOOPER CANAL from Blue Creek via Blue Creek Canal, 00067000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0							0	0	8.9	9.5	11
2	3.8							0	0	9.1	9.6	11
3	5.3							0	0	9.1	8.0	10
4	5.1							0	0	9.1	9.2	3.5
5	4.8							0	0	9.4	10	.06
6	4.6							0	0	9.3	11	0
7	4.5							0	0	9.4	11	0
8	5.2							0	0	9.6	12	0
9	5.4							0	0	9.6	12	0
10	4.7							0	0	9.1	12	0
11	5.0							0	0	6.5	8.3	0
12	4.9							0	0	2.3	4.4	5.8
13	4.9							0	0	2.6	4.9	12
14	4.9							0	0	3.2	6.0	9.0
15	1.8							0	5.6	2.6	8.6	6.8
16	0							0	9.4	2.5	9.3	5.9
17	0							0	9.4	7.3	9.2	5.9
18								0	8.6	11	7.6	5.4
19								0	8.5	10	7.6	3.5
20								0	8.7	9.6	7.5	4.3
21								0	8.8	7.5	7.7	4.2
22								0	8.1	5.0	8.7	3.7
23								2.3	7.9	1.7	9.2	3.9
24								8.4	7.2	4.1	5.8	4.0
25								11	5.8	8.5	5.3	4.1
26								10	4.9	8.9	5.4	4.4
27								9.4	4.9	9.0	5.2	4.7
28								3.1	4.7	8.5	6.1	4.1
29								0	6.3	5.6	8.3	3.2
30					-----			0	9.1	4.4	9.1	3.7
31		-----			-----		-----	0	-----	7.3	10	-----
TOTAL	64.9							44.2	117.9	220.7	258.5	134.16
MEAN	3.82							1.43	3.93	7.12	8.34	4.47
MAX	5.4							11	9.4	11	12	12
MIN	0							0	0	1.7	4.4	0
AC-FT	129							88	234	438	513	266
CAL YEAR 1999	MAX	12	MIN	0	AC-FT	1,060						
WTR YEAR 2000	MAX	12	MIN	0	AC-FT	1,670						

# NORTH PLATTE RIVER BASIN

**UNION CANAL from Blue Creek, 00146000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6							0	0	14	12	10
2	2.3							0	0	14	13	9.8
3	5.5							0	0	14	15	9.2
4	5.7							0	0	15	14	11
5	4.8							0	0	15	13	12
6	3.8							0	0	14	11	11 E
7	3.9							0	0	14	13	10 E
8	4.3							0	0	13	10	9.2
9	5.2							0	0	13	11	11
10	5.0							0	0	14	9.3	10
11	2.9							0	0	16	9.0	9.6
12	3.1							0	0	14	9.6	7.7
13	3.2							0	0	15	9.0	6.5
14	4.3							0	0	15	9.6	7.4
15	2.9							0	0	12	9.2	6.8
16	0							0	0	13	9.1	8.1
17	0							0	0	8.1	9.5	8.5
18	0							0	0	12	9.5	9.7
19	0							0	5.1	16	9.2	11
20	0							0	8.6	12	9.0	13
21	0							0	11	12	8.8	8.9
22	0							0	11	15	9.1	5.6
23	0							0	12	13	9.9	5.7
24	0							0	12	11	11	5.9
25	0							0	11	9.7	11	5.2
26	0							0	12	11	11	4.8
27	0							0	12	10	12	4.3
28	0							0	12	12	11	3.9
29	0							0	12	12	10	4.7
30	0				-----			0	13	10	11	5.5
31	0	-----			-----		-----	0	-----	9.6	11	-----
TOTAL	58.5							0	131.7	398.4	329.8	246.0
MEAN	1.89							0	4.39	12.9	10.6	8.20
MAX	5.7							0	13	16	15	13
MIN	0							0	0	8.1	8.8	3.9
AC-FT	116							0	261	790	654	488
CAL YEAR 1999	MAX	17	MIN	0	AC-FT	1,800						
WTR YEAR 2000	MAX	16	MIN	0	AC-FT	2,310						

E indicates estimated discharge.



# NORTH PLATTE RIVER BASIN

**GRAF CANAL from Blue Creek, 00060000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.89							0	0	11	10	.03
2	.89							0	0	10	9.2	.01
3	.89							0	0	11	11	0
4	.86							0	0	11	11	.03
5	.81							0	0	11	10	.11
6	.82							0	0	11	9.3	.11
7	.82							0	0	11	8.1	.09
8	.82							0	0	8.1	9.6	.05
9	.79							0	0	8.0	9.3	.02
10	.79							0	0	11	9.9	.01
11	.76							0	0	12	8.6	7.1
12	.67							0	2.8	11	8.7	11
13	.68							0	7.3	12	8.9	12
14	.66							0	8.0	12	8.5	12
15	.61							0	9.6	12	8.3	12
16	.55							0	9.5	12	8.3	12
17	.54							0	16	12	8.3	12
18	.18							0	15	7.2	8.3	12
19								0	10	10	8.1	12
20								0	1.8	12	7.5	13
21								0	2.8	10	6.2	13
22								0	12	12	5.7	13
23								0	9.0	12	5.7	12
24								0	16	12	5.5	12
25								0	14	9.7	3.3	12
26								0	13	8.7	.10	11
27								0	11	7.8	.07	9.5
28								0	14	9.0	.08	8.7
29								0	12	13	.11	8.6
30					-----			0	11	13	.08	8.3
31		-----			-----		-----	0	-----	12	.05	-----
TOTAL	13.03							0	194.8	334.5	207.79	223.66
MEAN	.72							0	6.49	10.8	6.70	7.46
MAX	.89							0	16	13	11	13
MIN	.18							0	0	7.2	.05	0
AC-FT	26							0	386	663	412	444
CAL YEAR 1999	MAX	14	MIN	0	AC-FT	832						
WTR YEAR 2000	MAX	16	MIN	0	AC-FT	1,930						

# NORTH PLATTE RIVER BASIN

## BLUE CREEK near Lewellen, 06687000 - 2000

LOCATION.--NE1/4 Sec. 30-16-42 W., Garden County, Lat. 41° 20' 08", Long. 102° 10' 21", on left bank five feet downstream from county highway bridge, 0.5 mile downstream from bridge on U.S. Highway 26, 0.8 mile upstream from mouth, and 1.5 miles west of Lewellen.

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

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

PERIOD OF RECORD.--Oct. 1930 - present

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 141 cubic feet per second May 1, gage height 4.75 feet; maximum gage height 4.87 feet March 9 due to backwater from ice; no flow July 9, August 30 - September 3.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	99	100E	97	90	91	92	123	86	4.3	.96	0
2	63	97	99	97	92	91	91	101	87	2.9	.43	0
3	61	96	99	96E	95	91	88	91	81	1.8	14	0
4	63	97	98	94E	92	92	88	89	80	2.1	11	15
5	63	96	96	94E	89	92	91	87	80	1.8	5.7	48
6	63	96	96	92E	91	91	88	72	78	1.8	2.0	47
7	63	96	100	94E	91	90E	87	79	79	1.3	1.1	46
8	63	95	100	96E	92	86E	85	77	78	.01	1.3	48
9	70	96	98	94E	91	88E	88	78	76	0	.07	48
10	76	96	98	92E	92	94E	87	71	76	1.2	1.5	47
11	70	94	99	93	90	98E	87	69	67	15	4.9	38
12	70	94	99	95	87	97	87	65	46	12	10	27
13	70	93	99	91	89	95	88	57	35	9.2	11	15
14	70	93	101	96E	89	97	87	57	32	E	7.5	13
15	77	91	98E	100	93	95	85	57	24	E	11	8.3
16	90	91	98E	100	93	92	85	57	16	E	17	4.4
17	91	90	96E	97	91	92	88	57	5.0	E	19	3.4
18	91	94	94E	101	92	92	89	58	6.0	E	1.8	5.8
19	91	96	94E	103	92	93	91	75	3.0	E	.63	12
20	91	97	92E	99	91	91	92	69	1.0	E	2.5	19
21	92	97	90E	97	93	92	90	60	.01E	.44	20	22
22	95	97	96	99	93	96	90	60	3.5	17	22	29
23	94	102	97	98	93	97	89	59	.50	9.9	22	29
24	94	101	98	97	92	95	89	56	1.6	5.6	14	32
25	94	100E	98	95	92	92	93	47	3.1	.13	11	34
26	102	100E	97	94	94	91	90	68	2.6	.06	10	29
27	101	100E	97	94	93	90	87	78	.85	.04	7.1	30
28	100	100E	103	95	93	89	87	70	6.9	.28	2.7	31
29	99	98E	98	96	93	91	86	68	11	9.2	.01	31
30	100	98E	97	94	-----	98	113	67	7.9	9.2	0	30
31	101	-----	95	93	-----	95	-----	74	-----	6.8	0	-----
TOTAL	2,532	2,890	3,020	2,973	2,658	2,874	2,678	2,196	1,073.96	171.49	254.97	741.9
MEAN	81.7	96.3	97.4	95.9	91.7	92.7	89.3	70.8	35.8	5.53	8.22	24.7
MAX	102	102	103	103	95	98	113	123	87	19	22	48
MIN	61	90	90	91	87	86	85	47	.01	0	0	0
AC-FT	5,020	5,730	5,990	5,900	5,270	5,700	5,310	4,360	2,130	340	506	1,470
CAL YEAR 1999	TOTAL	27,445.56	MEAN	75.2	MAX	134	MIN	.27	AC-FT	54,440		
WTR YEAR 2000	TOTAL	24,063.32	MEAN	65.7	MAX	123	MIN	0	AC-FT	47,730		

E indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER at Lewellen, 06687500 - 2000

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 2,380 cubic feet per second September 26, gage height 6.44 feet; minimum daily discharge 355 cubic feet per second August 4.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,930	1,430	1,250	1,160	1,090	1,080	1,040	1,540	2,030	710	387	633
2	1,890	1,370	1,270	1,170	1,230	1,090	1,030	1,330	1,990	679	360	642
3	1,890	1,350	1,240	1,160E	1,210	1,080	1,010	1,230	1,940	574	361	646
4	1,860	1,390	1,210	1,110	1,170	1,050	994	1,140	1,890	520	355	741
5	1,790	1,370	1,170	1,100E	1,120	1,060	995	1,250	1,890	482	365	893
6	1,740	1,360	1,180	1,120E	1,160	1,070	983	1,330	1,850	444	389	953
7	1,740	1,370	1,190	1,110	1,140	1,170	962	1,530	1,850	416	422	1,020
8	1,710	1,380	1,190	1,140	1,130	1,770	928	1,690	1,760	401	413	1,130
9	1,680	1,390	1,160	1,120	1,120	1,750E	910	1,700	1,450	412	415	1,170
10	1,610	1,370	1,150	1,120	1,120	1,550E	913	1,710	1,200	387	428	1,190
11	1,580	1,350	1,220	1,090	1,120	1,300	925	1,630	1,100	544	412	1,210
12	1,570	1,320	1,220	1,150	1,090	1,250	971	1,540	1,020	444	399	1,230
13	1,560	1,340	1,210	1,100	1,110	1,200	1,130	1,420	872	417	415	1,240
14	1,540	1,370	1,170	1,140	1,120	1,240	1,230	1,360	798	545	415	1,230
15	1,490	1,370	1,050	1,150	1,170	1,180	1,310	1,360	735	607	380	1,200
16	1,470	1,370	1,070	1,140	1,110	1,120	1,420	1,300	696	606	391	1,200
17	1,430	1,340	1,000E	1,140	1,110	1,080	1,410	1,220	712	551	393	1,200
18	1,420	1,310	980E	1,130	1,130	1,060	1,330	1,280	713	540	412	1,190
19	1,410	1,260	1,120E	1,150	1,130	1,050	1,220	1,310	681	565	451	1,220
20	1,420	1,250	1,020E	1,140	1,170	1,040	1,360	1,410	624	616	457	1,520
21	1,430	1,250	1,100E	1,140	1,200	1,060	1,540	1,490	542	722	509	1,560
22	1,440	1,280	1,200E	1,150	1,170	1,090	1,420	1,510	493	865	604	1,770
23	1,410	1,330	1,250E	1,140	1,150	1,130	1,210	1,520	474	842	611	1,920
24	1,460	1,270	1,290	1,160	1,130	1,140	1,110	1,480	449	768	590	2,140
25	1,470	1,230	1,230	1,120	1,130	1,110	1,100	1,460	417	669	564	2,290
26	1,480	1,250	1,170	1,100	1,150	1,110	1,060	1,720	405	587	562	2,320
27	1,450	1,230	1,140	1,100E	1,140	1,100	1,020	1,910	420	483	586	2,250
28	1,400	1,200	1,150	1,140E	1,140	1,060	988	2,060	495	465	557	2,220
29	1,410	1,200	1,150	1,160	1,110	1,060	990	2,120	544	454	541	2,140
30	1,400	1,220	1,170	1,170	-----	1,080	1,520	1,970	644	411	583	2,090
31	1,440	-----	1,160	1,130	-----	1,050	-----	1,940	-----	403	600	-----
TOTAL	48,520	39,520	36,080	35,150	33,070	36,180	34,029	47,460	30,684	17,129	14,327	42,158
MEAN	1,565	1,317	1,164	1,134	1,140	1,167	1,134	1,531	1,023	553	462	1,405
MAX	1,930	1,430	1,290	1,170	1,230	1,770	1,540	2,120	2,030	865	611	2,320
MIN	1,400	1,200	980	1,090	1,090	1,040	910	1,140	405	387	355	633
AC-FT	96,240	78,390	71,560	69,720	65,590	71,760	67,500	94,140	60,860	33,980	28,420	83,620
CAL YEAR 1999 TOTAL		730,370	MEAN	2,001	MAX	5,470	MIN	949	AC-FT	1,449,000		
WTR YEAR 2000 TOTAL		414,307	MEAN	1,132	MAX	2,320	MIN	355	AC-FT	821,800		

E indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## KINGSLEY RESERVOIR from North Platte River, 06690000 - 2000

LOCATION.--NWL/4SWL/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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,565,400	1,539,900	1,520,300	1,511,900	1,506,300	1,509,100	1,517,500	1,476,100	1,438,200	1,269,000	1,060,400	886,000
2	1,565,400	1,539,900	1,520,300	1,511,900	1,506,300	1,509,100	1,517,500	1,476,100	1,438,200	1,261,700	1,053,900	884,000
3	1,565,400	1,537,100	1,520,300	1,511,900	1,509,100	1,509,100	1,511,900	1,473,300	1,438,200	1,254,400	1,049,500	882,000
4	1,568,300	1,537,100	1,517,500	1,511,900	1,509,100	1,509,100	1,514,700	1,473,300	1,438,200	1,249,500	1,040,800	880,000
5	1,568,300	1,537,100	1,517,500	1,511,900	1,509,100	1,511,900	1,517,500	1,470,600	1,435,500	1,244,700	1,036,500	876,000
6	1,568,300	1,534,300	1,514,700	1,511,900	1,509,100	1,514,700	1,514,700	1,470,600	1,432,800	1,239,900	1,030,000	880,000
7	1,565,400	1,534,300	1,514,700	1,509,100	1,509,100	1,514,700	1,509,100	1,467,900	1,430,100	1,232,600	1,023,600	878,000
8	1,565,400	1,531,500	1,514,700	1,511,900	1,509,100	1,520,300	1,509,100	1,470,600	1,427,400	1,223,000	1,015,000	878,000
9	1,565,400	1,531,500	1,514,700	1,511,900	1,509,100	1,520,300	1,503,600	1,470,600	1,427,400	1,218,300	1,008,600	876,000
10	1,562,600	1,531,500	1,514,700	1,511,900	1,509,100	1,520,300	1,503,600	1,467,900	1,422,100	1,213,500	1,002,100	876,000
11	1,562,600	1,531,500	1,514,700	1,509,100	1,506,300	1,520,300	1,503,600	1,467,900	1,414,200	1,206,400	991,500	876,000
12	1,562,600	1,528,700	1,514,700	1,509,100	1,509,100	1,520,300	1,500,800	1,470,600	1,408,800	1,199,200	985,200	876,000
13	1,562,600	1,528,700	1,517,500	1,511,900	1,509,100	1,520,300	1,500,800	1,465,200	1,403,600	1,192,200	974,600	878,000
14	1,562,600	1,525,900	1,517,500	1,511,900	1,509,100	1,523,100	1,500,800	1,462,500	1,398,300	1,185,200	968,300	878,000
15	1,559,700	1,525,900	1,514,700	1,511,900	1,509,100	1,523,100	1,498,100	1,462,500	1,390,500	1,175,800	959,900	876,000
16	1,559,700	1,525,900	1,511,900	1,509,100	1,509,100	1,520,300	1,495,300	1,457,000	1,382,600	1,168,800	951,600	878,000
17	1,559,700	1,525,900	1,514,700	1,509,100	1,509,100	1,523,100	1,498,100	1,454,300	1,372,200	1,161,900	943,200	878,000
18	1,559,700	1,528,700	1,514,700	1,509,100	1,509,100	1,523,100	1,498,100	1,454,300	1,364,500	1,154,900	937,000	878,000
19	1,556,900	1,523,100	1,514,700	1,509,100	1,509,100	1,520,300	1,498,100	1,457,000	1,356,700	1,148,000	928,800	880,000
20	1,556,900	1,523,100	1,511,900	1,509,100	1,509,100	1,520,300	1,492,500	1,454,300	1,351,600	1,136,600	920,500	880,000
21	1,554,100	1,523,100	1,511,900	1,511,900	1,509,100	1,520,300	1,492,500	1,451,600	1,346,500	1,134,300	916,400	880,000
22	1,554,100	1,523,100	1,511,900	1,511,900	1,509,100	1,520,300	1,489,800	1,448,900	1,338,800	1,127,500	912,300	882,000
23	1,551,200	1,520,300	1,511,900	1,511,900	1,509,100	1,523,100	1,487,000	1,446,200	1,331,200	1,118,400	908,300	882,000
24	1,551,200	1,520,300	1,511,900	1,511,900	1,509,100	1,520,300	1,489,800	1,443,500	1,323,600	1,111,600	904,200	886,000
25	1,548,400	1,520,300	1,511,900	1,509,100	1,511,900	1,520,300	1,484,300	1,443,500	1,316,100	1,104,800	902,200	890,100
26	1,548,400	1,520,300	1,514,700	1,509,100	1,511,900	1,520,300	1,484,300	1,443,500	1,308,600	1,098,100	898,100	890,100
27	1,548,400	1,520,300	1,514,700	1,509,100	1,511,900	1,520,300	1,481,500	1,440,800	1,301,100	1,091,400	898,100	892,100
28	1,545,600	1,520,300	1,514,700	1,509,100	1,509,100	1,517,500	1,478,800	1,440,800	1,291,200	1,089,100	896,100	894,100
29	1,545,600	1,520,300	1,511,900	1,509,100	1,509,100	1,520,300	1,478,800	1,438,200	1,283,800	1,080,300	892,100	896,100
30	1,542,800	1,520,300	1,511,900	1,509,100	-----	1,517,500	1,476,100	1,440,800	1,276,400	1,073,600	892,100	900,200
31	1,545,600	-----	1,514,700	1,509,100	-----	1,517,500	-----	1,438,200	-----	1,067,000	888,100	-----
MAX	1,568,300	1,539,900	1,520,300	1,511,900	1,511,900	1,523,100	1,517,500	1,476,100	1,438,200	1,269,000	1,060,400	900,200
MIN	1,542,800	1,520,300	1,511,900	1,509,100	1,506,300	1,509,100	1,476,100	1,438,200	1,276,400	1,067,000	888,100	876,000
CHANGE	-25,500	-25,300	-5,600	-5,600	0	8,400	-41,400	-37,900	-161,800	-209,400	-178,900	12,100
CAL YEAR 1999				MEAN 1,496,540			MAX 1,730,000		MIN 1,310,000			
WTR YEAR 2000				MEAN 1,373,403			MAX 1,568,300		MIN 876,000			

# NORTH PLATTE RIVER BASIN

## SUTHERLAND CANAL from North Platte River and Kingsley Reservoir, 00138000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,600	1,650	1,350	1,130	1,130	1,170	1,430	1,720	1,710	1,790E	1,760	1,180
2	1,600	1,660	1,360	1,130	1,120	1,180	1,430	1,590	1,720	1,790E	1,740E	1,170
3	1,590	1,650	1,360	1,140	1,120	1,020	1,440	1,480	1,720	1,790E	1,730E	1,170
4	1,580	1,650	1,370	1,140	1,120	735	1,440	1,420	1,730	1,790	1,720	1,180
5	1,580	1,660	1,370	1,130	1,120	595	1,430	1,590	1,730	1,790	1,710	1,160
6	1,570	1,660	1,370	1,130	1,110	435	1,430	1,590	1,730	1,790	1,690	1,040
7	1,620	1,660	1,310	1,140	1,120	861	1,440	1,590	1,740	1,790	1,670	981
8	1,650	1,660	1,260	1,140	1,120	996	1,430	1,600	1,750	1,800	1,660	878
9	1,650	1,660	1,190	1,130	1,130	1,060	1,420	1,590	1,770	1,800	1,660	859
10	1,650	1,620	945	1,140	1,130	1,100	1,480	1,530	1,780	1,800	1,650	863
11	1,650	1,430	795	1,140	1,140	1,100	1,520	1,420	1,800	1,800	1,640	817
12	1,640	1,310	717	1,140	1,080	1,090	1,520	1,370	1,800	1,810	1,630	793
13	1,640	1,310	720	1,140	996	1,090	1,520	1,370	1,800	1,810	1,630	794
14	1,630	1,320	724	1,140	965	1,090	1,530	1,370	1,800	1,810	1,630	799
15	1,640	1,320	725	1,140	963	1,090	1,590	1,370	1,790	1,810	1,630	809
16	1,640	1,320	724	1,140	970	1,090	1,600	1,360	1,790	1,820	1,620	812
17	1,640	1,330	726	1,140	973	1,100	1,620	1,370	1,790	1,820	1,620	817
18	1,640	1,320	790	1,130	978	1,100	1,660	1,370	1,790	1,820	1,640	821
19	1,640	1,330	982	1,140	978	1,090	1,670	1,390	1,790	1,820	1,650	830
20	1,650	1,340	1,090	1,140	978	1,100	1,670	1,460	1,790	1,820	1,660	839
21	1,640	1,340	1,140	1,130	973	1,100	1,690	1,360	1,790	1,820	1,660	842
22	1,640	1,340	1,200	1,140	975	1,100	1,700	1,390	1,790	1,810	1,660	811
23	1,650	1,350	1,240	1,140	1,050	1,090	1,740	1,670	1,790	1,800	1,650	787
24	1,640	1,350	1,240	1,140	1,140	1,100	1,770	1,730	1,790	1,800	1,610	786
25	1,640	1,350	1,240	1,140	1,170	1,100	1,750	1,730	1,790	1,800	1,400	781
26	1,640	1,340	1,240	1,140	1,170	1,100	1,770	1,730	1,790	1,790	1,230	781
27	1,650	1,350	1,190	1,140	1,170	1,100	1,770	1,720	1,790	1,770	1,200	773
28	1,660	1,350	1,120	1,140	1,170	1,230	1,770	1,720	1,790	1,780	1,190	766
29	1,650	1,350	1,120	1,140	1,170	1,350	1,770	1,720	1,790	1,780	1,180	756
30	1,650	1,340	1,120	1,130	-----	1,400	1,750	1,720	1,790	1,780	1,170	724
31	1,650	-----	1,130	1,130	-----	1,430	-----	1,720	-----	1,770	1,170	-----
TOTAL	50,610	43,320	33,858	35,250	31,229	33,192	47,750	47,760	53,220	55,770	48,460	26,419
MEAN	1,633	1,444	1,092	1,137	1,077	1,071	1,592	1,541	1,774	1,799	1,563	881
MAX	1,660	1,660	1,370	1,140	1,170	1,430	1,770	1,730	1,800	1,820	1,760	1,180
MIN	1,570	1,310	717	1,130	963	435	1,420	1,360	1,710	1,770	1,170	724
AC-FT	100,400	85,930	67,160	69,920	61,940	65,840	94,710	94,730	105,600	110,600	96,120	52,400
CAL YEAR 1999	TOTAL	453,128	MEAN	1,241	MAX	1,750	MIN	645	AC-FT	898,800		
WTR YEAR 2000	TOTAL	506,838	MEAN	1,385	MAX	1,820	MIN	435	AC-FT	1,005,000		

E indicates estimated discharge.

# SOUTH PLATTE RIVER BASIN

**SOUTH PLATTE SUPPLY CANAL (Korty) from South Platte River, 06764900 - 2000**

LOCATION.--SEL/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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	242	279	598	538	680E	526	705	0	0	0	0	0
2	243	284	580	545	680E	532	703	0	0	0	0	0
3	244	285	579	557	680E	601	667	0	0	0	0	0
4	247	288	574	560E	680E	604	628	0	0	0	0	0
5	253	286	555	560E	682	608	559	0	0	0	0	0
6	255	286	549	580E	675	618	537	0	0	0	0	0
7	255	294	579	600E	674	615	626	0	0	0	0	0
8	260	297	585	600E	633	612	637	0	0	0	0	0
9	262	296	579	640E	611	693	632	0	0	0	0	0
10	263	290	337	660E	594	869	575	0	0	0	0	0
11	307	401	40	660E	621	875	503	0	0	0	0	0
12	319	615	48	660E	523	881	511	0	0	0	0	0
13	318	617	30	627	410	880	510	0	0	0	0	0
14	317	603	35	603	324	884	503	0	0	0	0	0
15	316	590	14E	604	335	881	413	0	0	0	0	0
16	310	572	0E	599	346	873	384	0	0	0	0	0
17	297	575	0E	600	341	857	370	0	0	0	0	0
18	304	568	46	598	351	851	342	0	0	0	0	0
19	314	563	206	597	351	825	312	0	0	0	0	0
20	312	538	380	597	345	761	309	0	0	0	0	0
21	289	522	398	594	341	730	270	0	0	0	0	0
22	286	507	534	597	342	591	234	0	0	0	0	0
23	279	488	658	603	478	411	196	0	0	0	0	0
24	280	488	668	596	668	285	171	0	0	0	0	0
25	272	480	502	603	676	255	165	0	0	0	0	0
26	273	510	497	602	648	253	144	0	0	0	0	0
27	276	522	501	598	638	318	69	0	0	0	0	0
28	269	562	494	620	635	650	0	0	0	0	0	0
29	264	575	499	610	567	724	0	0	0	0	0	0
30	272	595	512	616	-----	719	0	0	0	0	0	0
31	273	-----	528	680E	-----	711	-----	0	-----	0	0	-----
TOTAL	8,671	13,776	12,105	18,704	15,529	20,493	11,675	0	0	0	0	0
MEAN	280	459	390	603	535	661	389	0	0	0	0	0
MAX	319	617	668	680	682	884	705	0	0	0	0	0
MIN	242	279	0	538	324	253	0	0	0	0	0	0
AC-FT	17,200	27,320	24,010	37,100	30,800	40,650	23,160	0	0	0	0	0
CAL YEAR 1999	TOTAL	167,670	MEAN	458	MAX	1,220	MIN	0	AC-FT	332,600		
WTR YEAR 2000	TOTAL	100,953	MEAN	276	MAX	884	MIN	0	AC-FT	200,200		

E indicates estimated discharge.

# NORTH & SOUTH PLATTE RIVER BASIN

## SUTHERLAND RESERVOIR from North & South Platte Rivers, 00409100 - 2000

LOCATION.--NEL/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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49,857	50,781	51,456	51,258	47,091	47,283	47,173	49,829	52,022	55,493	50,921	42,079
2	49,801	50,893	51,315	51,174	45,998	46,489	47,338	50,360	51,909	55,667	50,528	42,159
3	49,913	50,724	51,569	50,977	45,401	47,146	47,723	50,640	51,626	56,307	50,192	41,946
4	50,500	51,062	51,654	50,416	45,347	46,844	48,606	50,416	52,448	57,154	49,941	41,735
5	50,809	51,258	51,428	49,439	45,184	46,571	48,495	50,108	51,654	56,861	49,801	41,392
6	50,220	50,949	51,512	48,855	45,130	45,781	48,606	49,941	51,174	56,074	49,216	41,445
7	50,360	50,809	52,135	48,136	45,211	45,401	48,495	50,080	51,090	56,132	48,883	41,445
8	49,885	51,118	51,569	47,475	45,238	45,130	48,634	49,913	50,781	55,870	48,136	41,366
9	50,108	50,977	54,683	46,380	45,320	44,321	48,717	49,578	50,724	55,609	47,695	41,208
10	50,024	51,033	55,667	46,626	45,238	44,321	48,800	50,556	50,696	55,638	46,954	41,339
11	50,108	51,343	55,696	46,626	45,130	44,563	48,744	51,315	50,668	55,870	46,407	41,050
12	49,996	50,949	55,551	46,954	45,971	44,267	49,105	51,569	52,448	55,870	45,672	40,998
13	49,968	50,837	55,551	47,338	46,489	44,689	49,327	51,909	50,528	55,638	45,266	40,892
14	50,360	51,062	55,348	46,926	47,036	44,806	49,355	52,249	52,249	55,174	45,103	40,866
15	50,024	50,949	55,261	47,613	47,310	44,914	49,550	52,590	54,135	55,261	44,833	40,814
16	50,388	50,781	55,087	47,723	47,585	44,887	49,411	52,989	54,712	54,943	44,294	40,892
17	50,360	50,921	55,087	48,026	47,310	45,076	49,522	53,446	53,762	54,107	44,240	40,761
18	50,276	50,949	53,590	47,833	46,707	45,266	49,885	53,532	53,992	53,791	43,918	40,866
19	50,360	50,893	51,371	47,668	46,353	45,211	49,689	53,132	54,078	53,446	43,945	41,050
20	50,921	50,865	50,696	47,778	47,091	45,184	49,717	54,135	54,481	52,704	43,704	40,919
21	50,893	51,005	50,668	47,778	47,530	45,835	49,996	54,423	53,189	52,704	43,383	40,998
22	50,724	50,949	50,556	48,108	47,393	46,107	49,745	54,943	53,532	52,220	43,409	40,892
23	50,360	50,893	50,500	48,191	46,434	46,735	49,689	53,418	53,676	51,767	43,249	40,945
24	51,033	50,781	51,456	48,440	46,899	46,954	49,662	52,960	54,193	52,078	43,811	41,208
25	51,597	50,528	51,739	48,467	47,293	47,118	49,439	52,932	54,423	51,569	44,240	41,313
26	50,865	50,528	51,824	48,606	46,954	47,009	49,216	52,761	54,712	51,569	43,998	41,392
27	50,809	50,388	52,135	48,191	47,118	46,762	49,522	52,476	54,798	51,569	43,757	41,392
28	50,612	50,837	51,626	48,191	47,448	46,707	49,327	52,192	54,366	51,118	43,275	41,366
29	50,612	50,949	51,456	48,634	47,338	46,544	49,494	52,192	54,222	51,541	43,308	41,550
30	51,033	51,033	51,965	48,800	-----	46,489	49,188	51,682	55,203	51,343	42,689	41,630
31	50,724	-----	51,767	48,800	-----	46,680	-----	52,022	-----	50,837	42,265	-----
MAX	51,597	51,343	55,696	51,258	47,585	47,283	49,996	54,943	55,203	57,154	50,921	42,159
MIN	49,801	50,388	50,500	46,380	45,130	44,267	47,173	49,578	50,528	50,837	42,265	40,761
CHANGE	951	309	734	-2,967	-1,352	-768	2,508	2,834	3,181	-4,366	-8,572	-635
CAL YEAR 1999			MEAN	52,782	MAX	61,600	MIN	43,000				
WTR YEAR 2000			MEAN	49,148	MAX	57,154	MIN	40,761				

# NORTH & SOUTH PLATTE RIVER BASIN

**MALONEY RESERVOIR from North & South Platte Rivers, 00405500 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17,320	17,640	17,640	17,320	17,640	17,320	17,480	17,480	17,480	17,640	17,480	17,320
2	17,160	17,640	17,480	17,480	17,640	17,320	17,480	17,480	17,480	17,640	17,480	17,320
3	16,840	17,640	17,480	17,640	17,480	17,320	17,480	17,640	17,480	17,640	17,480	17,320
4	16,520	17,640	17,480	17,640	17,480	17,160	17,480	17,480	17,480	17,800	17,480	17,320
5	16,200	17,640	17,480	17,640	17,480	17,000	17,800	17,480	17,160	17,800	17,480	17,320
6	15,890	17,480	17,480	17,480	17,480	17,160	17,480	17,480	17,160	17,800	17,480	17,320
7	15,580	17,480	17,640	17,480	17,480	17,320	17,480	17,640	17,320	17,480	17,480	17,480
8	15,580	17,480	17,640	17,480	17,320	17,480	17,480	17,480	17,320	17,640	17,480	17,480
9	15,425	17,480	18,625	17,480	17,320	17,640	17,480	17,480	17,320	17,800	17,480	17,480
10	15,425	17,480	18,790	17,640	17,320	17,640	17,640	17,480	17,480	17,965	17,480	17,320
11	15,425	17,640	17,965	17,640	17,320	17,640	17,640	17,160	17,640	17,965	17,320	17,320
12	15,425	17,640	17,480	17,640	17,160	17,640	17,640	17,160	17,800	17,640	17,320	17,320
13	15,425	17,640	17,000	17,640	16,680	17,640	17,640	17,320	17,965	17,480	17,320	17,320
14	15,425	17,640	16,520	17,640	17,000	17,640	17,640	17,320	17,480	17,480	17,480	17,320
15	15,580	17,640	16,045	17,640	17,160	17,640	17,640	17,480	18,130	17,480	17,640	17,320
16	15,735	17,640	15,735	17,640	17,320	17,480	17,640	17,480	17,800	17,480	17,480	17,320
17	16,045	17,480	15,735	17,480	17,160	17,480	17,640	17,640	17,640	17,480	17,480	17,320
18	16,360	17,480	16,200	17,480	17,320	17,480	17,640	17,000	17,640	17,480	17,480	17,320
19	16,520	17,480	17,160	17,480	17,320	17,320	17,640	17,480	17,640	17,480	17,480	17,480
20	16,840	17,640	17,480	17,640	17,160	17,320	17,480	17,800	17,640	17,480	17,640	17,480
21	17,000	17,640	17,480	17,640	17,320	17,160	17,480	17,965	17,480	17,480	17,640	17,640
22	17,320	17,640	17,480	17,640	17,640	16,680	17,480	17,640	17,640	17,480	17,640	17,640
23	17,480	17,640	17,640	17,640	17,800	15,890	17,480	17,480	17,640	17,480	17,480	17,000
24	17,480	17,640	17,800	17,480	17,800	14,805	17,640	17,480	17,800	17,480	17,480	17,800
25	17,480	17,480	17,800	17,480	17,800	13,925	17,480	17,480	17,800	17,480	17,480	17,800
26	17,640	17,480	17,640	17,480	17,640	12,920	17,480	17,480	17,640	17,480	17,480	17,640
27	17,480	17,640	17,640	17,480	17,640	15,270	17,480	17,480	17,480	17,480	17,320	17,640
28	17,480	17,640	17,480	17,480	17,480	16,360	17,480	17,480	17,480	17,640	17,320	17,640
29	17,480	17,640	17,320	17,480	17,320	17,000	17,480	17,480	17,640	17,640	17,320	17,640
30	17,640	17,640	17,320	17,480	-----	17,480	17,480	17,480	17,640	17,640	17,320	17,800
31	17,640	-----	17,320	17,640	-----	17,480	-----	17,480	-----	17,640	17,320	-----
MAX	17,640	17,640	18,790	17,640	17,800	17,640	17,800	17,965	18,130	17,965	17,640	17,800
MIN	15,425	17,480	15,735	17,320	16,680	12,920	17,480	17,000	17,160	17,480	17,320	17,000
CHANGE	340	0	-320	320	-320	160	0	0	160	0	-320	480
CAL YEAR 1999			MEAN	17,484	MAX	19,000	MIN	15,425				
WTR YEAR 2000			MEAN	17,368	MAX	18,790	MIN	12,920				



# NORTH & SOUTH PLATTE RIVER BASIN

## SUTHERLAND POWER RETURN to the South Platte River, 00140000 - 2000

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

GAGE.--Differential pressure recorder

PERIOD OF RECORD.--1939 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,740	1,710	1,750	1,490	1,620	1,560	1,740	1,590	1,580	1,320	1,540	1,070
2	1,740	1,730	1,750	1,560	1,610	1,560	1,740	1,420	1,580	1,260	1,540	1,070
3	1,740	1,730	1,750	1,570	1,620	1,530	1,740	1,210	1,580	1,250	1,520	1,000
4	1,740	1,740	1,750	1,610	1,620	1,550	1,740	1,210	1,580	1,170	1,530	1,000
5	1,740	1,740	1,750	1,620	1,620	1,550	1,570	1,410	1,570	1,210	1,530	1,000
6	1,740	1,740	1,750	1,620	1,620	1,370	1,740	1,400	1,580	1,440	1,540	955
7	1,730	1,740	1,710	1,620	1,620	1,310	1,730	1,400	1,560	1,520	1,520	862
8	1,730	1,740	1,710	1,630	1,620	1,290	1,740	1,430	1,570	1,530	1,580	702
9	1,730	1,740	1,340	1,630	1,620	1,370	1,730	1,470	1,570	1,530	1,630	678
10	1,730	1,740	1,010	1,530	1,620	1,640	1,730	1,480	1,570	1,530	1,630	677
11	1,690	1,740	933	1,530	1,620	1,740	1,740	1,200	1,400	1,530	1,630	612
12	1,690	1,720	924	1,410	1,620	1,730	1,730	1,110	1,400	1,520	1,630	575
13	1,690	1,750	924	1,410	1,620	1,730	1,730	845	1,010	1,530	1,630	574
14	1,700	1,750	923	1,430	1,090	1,700	1,730	909	1,160	1,520	1,600	581
15	1,690	1,750	923	1,540	878	1,740	1,730	926	1,210	1,520	1,480	596
16	1,720	1,750	921	1,530	889	1,730	1,730	929	1,130	1,530	1,530	586
17	1,620	1,750	825	1,580	1,120	1,740	1,730	929	1,410	1,570	1,540	572
18	1,590	1,750	452	1,630	1,270	1,730	1,730	931	1,400	1,670	1,470	551
19	1,550	1,720	776	1,620	1,280	1,730	1,730	869	1,400	1,660	1,470	582
20	1,550	1,710	1,270	1,560	1,280	1,730	1,730	770	1,390	1,660	1,470	606
21	1,550	1,700	1,690	1,620	982	1,730	1,740	928	1,460	1,660	1,470	607
22	1,560	1,730	1,690	1,620	842	1,730	1,730	1,010	1,650	1,660	1,480	608
23	1,560	1,760	1,640	1,620	1,010	1,730	1,730	1,080	1,470	1,660	1,480	608
24	1,690	1,750	1,680	1,620	1,460	1,720	1,730	1,450	1,400	1,650	1,480	608
25	1,690	1,760	1,550	1,620	1,550	1,720	1,730	1,570	1,400	1,550	1,260	608
26	1,700	1,760	1,550	1,620	1,560	1,710	1,730	1,590	1,400	1,540	1,070	609
27	1,750	1,730	1,590	1,620	1,560	633	1,690	1,590	1,400	1,530	1,070	609
28	1,750	1,700	1,620	1,620	1,560	431	1,670	1,590	1,400	1,530	1,070	609
29	1,710	1,730	1,620	1,620	1,560	1,070	1,620	1,580	1,460	1,530	1,070	609
30	1,700	1,750	1,580	1,620	-----	1,280	1,650	1,580	1,470	1,540	1,070	608
31	1,700	-----	1,560	1,620	-----	1,740	-----	1,580	-----	1,540	1,070	-----
TOTAL	52,210	52,110	42,911	48,940	40,941	47,524	51,530	38,986	43,160	46,860	44,600	20,932
MEAN	1,684	1,737	1,384	1,579	1,412	1,533	1,718	1,258	1,439	1,512	1,439	698
MAX	1,750	1,760	1,750	1,630	1,620	1,740	1,740	1,590	1,650	1,670	1,630	1,070
MIN	1,550	1,700	452	1,410	842	431	1,570	770	1,010	1,170	1,070	551
AC-FT	103,600	103,400	85,110	97,070	81,210	94,260	102,200	77,330	85,610	92,950	88,460	41,520
CAL YEAR 1999	TOTAL	534,871	MEAN	1,465	MAX	1,760	MIN	452	AC-FT	1,061,000		
WTR YEAR 2000	TOTAL	530,704	MEAN	1,450	MAX	1,760	MIN	431	AC-FT	1,053,000		

# NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER near Keystone, 06690500 - 2000

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 2,990 cubic feet per second June 13, gage height 5.23 feet; maximum gage height 5.31 feet August 14, minimum daily discharge 0.25 cubic feet per second January 5.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	384	107	28	18	20	24	104	245	422	2,540	1,700	395
2	375	109	28	18	20	23	105	229	442	2,340	1,760	398
3	389	107	29	17	20	23	132	363	483	2,250	1,730	398
4	176	106	27	13	20	23	147	470	507	1,550	1,810	376
5	71	104	26	.25	20	24	148	221	595	1,430	1,910	327
6	67	108	26	.68	20	23	148	224	617	1,390	1,990	287
7	72	110	26	20	20	23	151	224	670	1,620	2,220	232
8	76	107	26	23	20	25	146	207	820	1,730	2,450	210
9	75	106	120	22	20	24	148	153	1,110	1,720	2,430	199
10	76	108	206	22	21	23	147	263	1,570	1,740	2,540	218
11	80	110	25	22	21	23	194	672	1,690	1,730	2,640	185
12	80	108	24	23	21	23	228	911	1,870	1,990	2,700	146
13	82	109	23	23	21	22	229	718	2,570	2,220	2,700	118
14	81	112	248	22	21	22	227	418	2,640	2,350	2,740	109
15	82	108	495	22	23	22	229	1,020	2,630	2,440	2,680	107
16	82	108	480	23	22	22	230	1,200	2,730	2,440	2,640	58
17	82	109	474	23	22	22	230	979	2,740	2,440	2,740	43
18	51	113	355	21	21	22	227	218	2,590	2,440	2,900	34
19	26	111	27	20	22	23	236	210	2,480	2,510	2,640	30
20	77	106	26	21	23	23	224	535	2,240	2,540	2,180	23
21	114	110	26	20	24	23	221	1,070	2,280	2,560	1,650	19
22	114	109	26	20	23	22	222	702	2,440	2,750	1,050	18
23	113	62	25	21	24	22	227	373	2,410	2,770	554	17
24	114	28	25	20	24	23	232	374	2,530	2,770	413	15
25	113	27	26	20	25	22	210	365	2,750	2,490	342	11
26	112	28	26	20	24	21	213	353	2,780	2,210	389	10
27	111	29	25	20	23	21	242	357	2,760	2,180	393	13
28	111	30	23	19	23	20	246	354	2,750	2,040	405	15
29	113	29	18	19	24	20	244	323	2,760	1,980	393	17
30	112	29	19	20	-----	20	251	422	2,680	1,790	394	28
31	112	-----	18	20	-----	45	-----	458	-----	1,680	394	-----
TOTAL	3,723	2,647	2,976	592.93	632	718	5,938	14,631	57,556	66,630	53,477	4,056
MEAN	120	88.2	96.0	19.1	21.8	23.2	198	472	1,919	2,149	1,725	135
MAX	389	113	495	23	25	45	251	1,200	2,780	2,770	2,900	398
MIN	26	27	18	.25	20	20	104	153	422	1,390	342	10
AC-FT	7,380	5,250	5,900	1,180	1,250	1,420	11,780	29,020	114,200	132,200	106,100	8,050
CAL YEAR 1999	TOTAL	139,362.60	MEAN	382	MAX	2,630	MIN	0	AC-FT	276,400		
WTR YEAR 2000	TOTAL	213,576.93	MEAN	584	MAX	2,900	MIN	.25	AC-FT	423,600		

# NORTH PLATTE RIVER BASIN

KEITH - LINCOLN COUNTY CANAL from North Platte River. 00076000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	12	28	73	25	55
2							0	44	29	80	90	73
3							0	24	29	93	83	72
4							0	26	29	48	84	71
5							0	33	29	73	84	70
6							0	33	32	98	85	69
7							0	33	33	96	85	69
8							0	27	47	94	84	68
9							0	23	65	93	90	67
10							0	23	63	92	93	67
11							0	23	49	90	91	67
12							0	24	0	89	87	66
13							0	24	0	88	84	66
14							0	24	49	86	93	66
15							0	21	78	85	92	67
16							0	25	77	86	91	22
17							0	26	76	86	90	0
18							0	.61	76	88	89	0
19							0	15	75	91	89	
20							0	16	75	92	88	
21							0	0	75	90	87	
22						0	0	19	75	90	73	
23						0	0	28	73	90	61	
24						0	0	23	72	88	84	
25						0	0	28	70	85	83	
26						0	0	28	80	72	82	
27						0	0	29	79	52	81	
28						0	0	28	78	7.5	79	
29						0	0	28	75	21	77	
30					-----	0	0	28	74	31	76	
31		-----			-----	0	-----	29	-----	0	75	-----
TOTAL						0	0	744.61	1,690	2,347.5	2,555	1,035
MEAN						0	0	24.0	56.3	75.7	82.4	57.5
MAX						0	0	44	80	98	93	73
MIN						0	0	0	0	0	25	0
AC-FT						0	0	1,480	3,350	4,660	5,070	2,050
CAL YEAR 1999	MAX	100	MIN	0	AC-FT	10,130						
WTR YEAR 2000	MAX	98	MIN	0	AC-FT	16,610						

# NORTH PLATTE RIVER BASIN

**NORTH PLATTE CANAL from North Platte River, 00114000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							6.5	100	84	240	199	195
2							14	92	84	214	197	186
3							38	97	77	234	221	177
4							43	98	72	262	241	166
5							67	83	82	260	262	152
6							77	79	102	290	250	131
7							78	88	102	303	246	118
8							79	77	107	307	251	101
9							85	60	128	305	254	88
10							120	58	148	302	247	75
11							103	59	155	295	243	68
12							96	63	146	270	244	53
13							108	66	171	262	247	52
14							114	63	188	242	248	44
15							115	67	195	262	242	38
16							117	83	214	289	248	33
17							118	73	256	291	252	33
18							117	56	295	299	257	31
19							115	53	323	287	231	48
20							100	50	346	280	208	30
21							101	54	349	275	200	0
22							115	75	352	252	198	0
23							115	83	359	215	192	0
24							115	86	356	211	195	0
25							115	98	360	219	196	0
26							113	98	364	206	203	0
27							112	98	361	203	211	
28							103	95	340	199	214	
29							103	92	318	187	217	
30					-----		103	91	296	180	209	
31	-----				-----	0	-----	88	-----	185	198	-----
TOTAL						0	2,805.5	2,423	6,730	7,826	7,021	1,819
MEAN						0	93.5	78.2	224	252	226	70.0
MAX						0	120	100	364	307	262	195
MIN						0	6.5	50	72	180	192	0
AC-FT						0	5,560	4,810	13,350	15,520	13,930	3,610
CAL YEAR 1999	MAX	353	MIN	0	AC-FT	36,170						
WTR YEAR 2000	MAX	364	MIN	0	AC-FT	56,780						

# NORTH PLATTE RIVER BASIN

**PAXTON-HERSHEY CANAL from North Platte River, 00121000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	48	9.7	105	93	99
2							0	46	33	104	93	94
3							0	47	28	106	98	87
4							0	49	27	106	103	85
5							0	48	26	103	100	84
6							0	46	29	117	101	78
7							0	47	39	115	103	71
8							0	50	54	124	100	63
9							0	44	63	121	98	59
10							0	38	69	109	97	60
11							0	41	68	103	100	61
12							4.9	44	75	102	99	59
13							28	46	80	105	100	53
14							41	47	79	110	100	48
15							41	48	78	114	98	43
16							41	50	78	117	96	41
17							41	50	80	106	96	40
18							41	48	92	105	96	.03
19							42	46	101	105	99	
20							42	49	99	105	98	
21							42	53	105	104	97	
22						0	41	46	115	102	97	
23						0	41	42	123	101	96	
24						0	42	41	124	101	97	
25						0	43	38	124	101	95	
26						0	42	36	122	98	94	
27						0	41	37	118	98	90	
28						0	42	36	116	97	90	
29						0	45	35	111	86	96	
30					-----	0	48	17	106	79	95	
31	-----				-----	0	-----	0	-----	84	97	-----
TOTAL						0	748.9	1,313	2,371.7	3,233	3,012	1,125.03
MEAN						0	25.0	42.4	79.1	104	97.2	62.5
MAX						0	48	53	124	124	103	99
MIN						0	0	0	9.7	79	90	.03
AC-FT						0	1,490	2,600	4,700	6,410	5,970	2,230
CAL YEAR 1999	MAX	135	MIN	0	AC-FT	14,260						
WTR YEAR 2000	MAX	124	MIN	0	AC-FT	23,410						

# NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER near Sutherland, 06691000 - 2000

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge 2,560 cubic feet per second August 15, gage height 5.67 feet; minimum daily flow 98 cubic feet per second September 15.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	529	230	162	128	157	163	160	229	463	2,400	1,410	136
2	531	219	163	129	160	167	204	178	376	2,320	1,330	133
3	520	233	162	137	157	176	171	226	407	2,080	1,350	140
4	533	227	167	140E	159	168	180	367	410	1,910	1,250	146
5	360	232	164	145E	149	147	179	405	395	1,210	1,320	153
6	279	233	163	150E	136	137	168	268	496	965	1,400	151
7	244	238	166	156	149	159	169	244	530	865	1,480	142
8	231	244	169	155	176	226	160	332	547	1,110	1,760	143
9	214	241	164	150	187	198	155	264	648	1,190	1,990	144
10	208	241	211	151	191	192	121	207	917	1,330	2,030	138
11	199	245	290	163	199	191	135	292	1,320	1,310	2,110	140
12	197	250	188	164	197	191	183	665	1,450	1,280	2,230	132
13	193	256	174	172	226	175	193	817	1,650	1,560	2,340	116
14	196	248	169	168	213	179	178	645	2,130	1,790	2,390	103
15	195	249	296	158	211	175	165	519	2,300	1,880	2,400	98
16	190	245	497	150	199	164	180	1,070	2,240	1,910	2,380	104
17	185	249	532	156	182	165	183	1,270	2,260	1,940	2,280	119
18	190	255	562	150	175	176	187	1,050	2,330	1,960	2,150	133
19	182	250	465	147	170	175	185	369	2,170	1,940	2,360	110
20	170	243	247	137	185	165	195	261	1,990	1,940	2,310	162
21	188	243	220	140	206	165	176	661	1,760	1,960	1,960	151
22	212	233	215	142	201	179	160	975	1,800	2,070	1,420	141
23	218	243	180	131	223	188	155	554	2,020	2,250	812	130
24	223	200	175	148	206	178	181	378	2,020	2,280	409	137
25	230	178	176	155	212	161	191	319	2,080	2,230	268	144
26	227	177	171	156	207	161	168	334	2,260	1,980	172	142
27	234	157	172	168	186	157	171	346	2,320	1,900	167	134
28	222	151	173	180	180	150	192	335	2,320	2,140	145	137
29	229	152	162	186	167	155	184	332	2,350	1,930	127	141
30	230	161	143	147	-----	166	216	309	2,400	1,700	117	147
31	227	-----	133	151	-----	156	-----	444	-----	1,520	116	-----
TOTAL	7,986	6,723	7,031	4,710	5,366	5,305	5,245	14,665	46,359	54,850	43,983	4,047
MEAN	258	224	227	152	185	171	175	473	1,545	1,769	1,419	135
MAX	533	256	562	186	226	226	216	1,270	2,400	2,400	2,400	162
MIN	170	151	133	128	136	137	121	178	376	865	116	98
AC-FT	15,840	13,340	13,950	9,340	10,640	10,520	10,400	29,090	91,950	108,800	87,240	8,030

CAL YEAR 1999 Incomplete  
WTR YEAR 2000 TOTAL 206,270 MEAN 564 MAX 2,400 MIN 98 AC-FT 409,100

E indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## BIRDWOOD CANAL from Birdwood Creek, 00016000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6						0	32	18	34	33	23
2	9.6						0	8.3	18	34	38	23
3	9.6						0	14	25	33	38	24
4	9.8						0	22	25	34	38	24
5	10						0	22	26	33	39	22
6	10						0	23	28	32	38	19
7	11						0	25	32	32	39	19
8	11						0	26	34	31	38	19
9	11						0	22	34	30	36	21
10	11						0	21	34	27	38	24
11	10						0	21	34	23	34	22
12	11						0	23	34	26	32	17
13	11						0	24	34	27	34	22
14	11						0	24	28	26	34	26
15	11						0	21	16	27	35	26
16	9.7						0	20	33	32	36	26
17	8.7						0	21	34	31	39	33
18	7.9						14	22	34	28	39	39
19	6.6						22	19	34	29	36	41
20	6.5						23	19	33	28	35	33
21	6.0						21	19	31	27	37	23
22	4.4					0	20	19	32	29	37	23
23	4.6					0	16	18	33	28	36	23
24	4.7					0	22	18	33	27	34	24
25	2.3					0	22	17	33	28	30	24
26						0	21	17	34	28	27	23
27						0	28	17	33	29	23	23
28						0	32	16	34	31	24	23
29						0	41	17	34	25	24	23
30					-----	0	44	17	34	29	25	22
31		-----			-----	0	-----	18	-----	32	25	-----
TOTAL	218.0					0	326	622.3	919	910	1,051	734
MEAN	8.72					0	10.9	20.1	30.6	29.4	33.9	24.5
MAX	11					0	44	32	34	34	39	41
MIN	2.3					0	0	8.3	16	23	23	17
AC-FT	432					0	647	1,230	1,820	1,800	2,080	1,460
CAL YEAR 1999	MAX	54	MIN	0	AC-FT	6,060						
WTR YEAR 2000	MAX	44	MIN	0	AC-FT	9,480						

# NORTH PLATTE RIVER BASIN

**BIRDWOOD CREEK near Hershey, 06692000 - 2000**

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 223 cubic feet per second March 8, gage height 1.44 feet; minimum daily discharge 101 cubic feet per second June 26.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	145	153	179	168	156	160	159	154	139	118	117	117
2	142	143	180	167	159	166	166	165	132	117	111	121
3	146	148	176	164	168	175	162	154	120	115	115	118
4	148	153	168	160	151	174	158	143	121	124	118	116
5	148	146	166	166	153	174	159	142	118	122	114	120
6	148	155	170	167	161	174	153	141	118	118	111	125
7	153	158	174	164	159	173	154	151	116	113	107	123
8	155	157	172	172	156	203	149	158	111	110	104	124
9	154	162	173	172	161	164	156	140	109	114	107	126
10	154	163	172	170	158	166	158	143	110	133	109	126
11	153	161	175	168	149	172	159	144	110	135	108	126
12	153	165	174	173	151	176	157	138	113	132	108	128
13	154	163	175	167	158	176	160	133	115	126	108	129
14	156	167	173	168	158	181	163	136	120	121	110	127
15	151	165	163	173	166	179	152	137	139	115	108	128
16	146	164	176	171	159	172	151	138	114	122	107	128
17	148	165	181	169	159	176	160	141	111	120	117	123
18	152	170	174	173	159	171	148	157	110	129	119	117
19	153	162	168	177	157	171	141	135	110	126	112	117
20	154	160	154	161	163	176	134	137	109	123	113	148
21	156	159	156	163	168	170	133	136	104	123	112	141
22	156	160	169	172	170	170	141	137	103	136	111	141
23	154	168	169	168	176	175	148	138	108	126	110	137
24	155	163	172	165	169	173	146	137	106	122	108	139
25	156	157	166	161	175	165	177	134	104	122	104	139
26	155	172	171	160	170	169	151	139	101	121	103	151
27	155	171	168	161	161	166	144	141	103	123	114	150
28	152	168	170	158	165	159	138	134	119	150	112	148
29	153	172	167	160	166	158	127	135	117	138	111	148
30	153	175	165	163	-----	159	149	146	128	123	113	149
31	155	-----	165	158	-----	160	-----	139	-----	119	111	-----
TOTAL	4,713	4,845	5,281	5,159	4,681	5,303	4,553	4,403	3,438	3,836	3,432	3,930
MEAN	152	162	170	166	161	171	152	142	115	124	111	131
MAX	156	175	181	177	176	203	177	165	139	150	119	151
MIN	142	143	154	158	149	158	127	133	101	110	103	116
AC-FT	9,350	9,610	10,470	10,230	9,280	10,520	9,030	8,730	6,820	7,610	6,810	7,800
WTR YEAR 2000	TOTAL	53,574	MEAN	146	MAX	203	MIN	101	AC-FT	106,300		



# NORTH PLATTE RIVER BASIN

**SUBURBAN CANAL from North Platte River, 00136000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	59	3.7	79	70	75
2							0	57	.90	89	70	65
3							0	56	54	82	75	55
4							0	56	52	82	84	45
5							0	75	56	77	81	36
6							0	69	60	82	83	31
7							0	59	62	83	86	32
8							0	52	63	90	89	33
9							0	37	65	91	92	31
10							0	35	87	94	96	29
11							0	35	88	89	95	31
12							0	37	90	85	91	32
13							0	34	92	91	92	31
14							.54	30	85	90	87	30
15							37	23	89	96	72	29
16							38	27	87	91	69	23
17							52	25	85	85	72	23
18							68	24	86	71	71	23
19							60	17	81	62	70	23
20							57	14	79	59	70	24
21							56	18	92	56	62	24
22							56	23	108	56	64	24
23							56	30	111	58	73	24
24							56	37	111	82	79	24
25							59	48	111	93	80	16
26							57	17	118	96	78	2.7
27							56	.08	109	93	80	1.3
28							57	0	107	103	76	.17
29							57	0	91	86	74	0
30					-----		57	0	81	76	75	0
31		-----			-----		-----	1.3	-----	76	75	-----
TOTAL							879.54	995.38	2,404.60	2,543	2,431	817.17
MEAN							29.3	32.1	80.2	82.0	78.4	27.2
MAX							68	75	118	103	96	75
MIN							0	0	.90	56	62	0
AC-FT							1,740	1,970	4,770	5,040	4,820	1,620
CAL YEAR 1999	MAX	109	MIN	0	AC-FT	13,730						
WTR YEAR 2000	MAX	118	MIN	0	AC-FT	19,980						

# NORTH PLATTE RIVER BASIN

**CODY-DILLON CANAL from North Platte River, 00027000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	18	16	13	9.8	7.9
2							0	16	16	13	9.1	11
3							0	15	15	13	10	12
4							0	16	17	13	11	12
5							0	15	17	12	11	12
6							0	14	18	8.5	12	12
7							0	16	17	12	12	12
8							0	14	18	16	13	12
9							0	8.8	18	18	14	12
10							0	7.4	19	19	15	8.8
11							0	6.5	22	19	15	7.2
12							0	6.0	20	19	17	7.5
13							0	4.6	21	20	19	7.1
14							0	4.0	25	20	21	6.7
15							0	3.6	26	19	22	3.7
16							0	4.5	26	20	22	3.0
17							0	11	24	21	22	3.5
18							.27	11	24	21	21	6.0
19							3.0	6.2	23	21	20	7.2
20							5.0	3.7	20	20	11	10
21							9.8	4.3	19	20	12	8.6
22							12	10	19	20	13	6.6
23							15	10	20	19	8.8	4.0
24							17	8.0	20	19	6.3	2.3
25							19	8.4	22	19	5.6	2.1
26							19	10	25	18	4.4	1.9
27							19	14	27	17	7.7	1.7
28							19	13	27	14	5.2	1.5
29							19	13	27	12	4.0	1.5
30					-----		19	14	22	11	5.0	1.4
31		-----			-----		-----	15	-----	10	3.5	-----
TOTAL							176.07	321.0	630	516.5	382.4	205.2
MEAN							5.87	10.4	21.0	16.7	12.3	6.84
MAX							19	18	27	21	22	12
MIN							0	3.6	15	8.5	3.5	1.4
AC-FT							349	637	1,250	1,020	758	407
CAL YEAR 1999	MAX	26	MIN	0	AC-FT	1,870						
WTR YEAR 2000	MAX	27	MIN	0	AC-FT	4,430						

# NORTH PLATTE RIVER BASIN

## LINCOLN COUNTY DRAIN NO. 1 at North Platte, 06692500 - 2000

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 165 cubic feet per second August 19, gage height 2.35 feet; minimum daily discharge 16 cubic feet per second March 28, 29, April 1 - 5.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47E	32	28	25	21	18	16	69	34	88	103	120
2	47E	31	28	25	21	18	16	60	35	69	102	117
3	46E	30	28	25	21	18	16	65	38	65	91	128
4	45E	30	27	24	20	18	16	59	35	79	84	131
5	44E	30	26	22	20	17	16	61	38	78	96	140
6	44E	29	27	21	20	17	19	57	56	74	103	141
7	43E	29	27	21	20	18	22	54	51	69	87	127
8	42E	29	26	21	20	19	21	81	34	70	78	121
9	41E	29	26	21	20	18	22	65	46	76	71	123
10	40E	30	26	21	20	18	31	59	59	87	77	114
11	39E	30	26	21	20	19	53	57	73	99	80	113
12	38E	30	26	22	20	18	44	60	67	94	80	96
13	37	31	26	21	20	18	48	66	70	88	89	90
14	38	31	26	22	20	18	53	53	84	81	106	90
15	37	32	25	22	21	18	57	42	76	78	96	85
16	37	32	26	22	21	18	69	46	78	92	101	83
17	37	32	26	22	21	18	71	50	70	109	112	79
18	37	32	26	22	21	19	63	53	70	103	124	76
19	36	31	25	22	21	18	54	48	64	93	150	74
20	36	30	25	21	21	18	50	48	51	94	137	90
21	35	30	25	22	22	18	48	47	56	99	118	72
22	35	30	25	22	22	18	51	49	52	107	75	67
23	34	30	25	22	22	18	50	60	49	101	71	63
24	34	30	25	22	22	18	50	51	43	91	72	63
25	34	30	25	22	23	17	54	54	43	92	79	61
26	34	30	25	22	21	17	54	60	53	89	78	61
27	33	29	25	21	18	17	57	57	57	86	88	60
28	33	28	25	21	18	16	56	49	68	102	90	58
29	33	28	25	21	18	16	53	43	74	126	96	58
30	32	28	25	21	-----	17	62	48	98	127	94	56
31	32	-----	25	21	-----	17	-----	43	-----	115	109	-----
TOTAL	1,180	903	801	680	595	550	1,292	1,714	1,722	2,821	2,937	2,757
MEAN	38.1	30.1	25.8	21.9	20.5	17.7	43.1	55.3	57.4	91.0	94.7	91.9
MAX	47	32	28	25	23	19	71	81	98	127	150	141
MIN	32	28	25	21	18	16	16	42	34	65	71	56
AC-FT	2,340	1,790	1,590	1,350	1,180	1,090	2,560	3,400	3,420	5,600	5,830	5,470

WTR YEAR 2000 TOTAL 17,952 MEAN 49.0 MAX 150 MIN 16 AC-FT 35,610

E indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER at North Platte, 06693000 - 2000

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,410 cubic feet per second August 21, gage height 5.97; minimum daily discharge 273 cubic feet per second September 19.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	717	459	356	355	340	342	324	452	540	2,140	1,490	329
2	686	451	356	351	342	353	332	421	535	2,120	1,380	363
3	686	450	356	352	345	362	353	419	489	2,040	1,290	368
4	683	447	353	340E	339	361	344	422	487	1,940	1,270	390
5	657	435	347	340E	324	367	346	526	514	1,790	1,220	415
6	530	434	342	350E	315	371	341	470	533	1,300	1,310	416
7	477	432	340	347	307	374	339	442	566	1,120	1,370	393
8	459	428	336	348	311	421	339	636	563	1,080	1,420	373
9	447	425	336	354	319	454	338	657	579	1,250	1,610	350
10	434	419	330	360	322	416	335	576	704	1,370	1,740	339
11	434	420	338	365	336	402	321	525	956	1,460	1,780	335
12	429	423	376	351	340	394	325	592	1,200	1,430	1,820	332
13	427	423	362	334	341	392	355	833	1,400	1,430	1,910	324
14	422	412	348	319	323	386	350	874	1,600	1,600	1,950	310
15	428	401	341	323	320	383	332	685	1,860	1,660	2,020	303
16	428	399	555	331	325	383	356	721	1,970	1,780	2,100	293
17	428	393	581	332	326	375	371	1,050	1,970	1,900	2,180	293
18	412	385	588	332	330	367	356	1,230	2,010	1,890	2,230	283
19	404	380	614	330	331	371	339	819	2,000	1,880	2,260	273
20	410	377	446	322	336	369	341	564	1,890	1,880	2,350	312
21	403	377	372	320	336	367	346	522	1,780	1,900	2,350	358
22	414	377	369	317	338	367	341	858	1,550	1,980	1,940	340
23	424	386	353	327	351	368	327	866	1,620	1,990	1,370	331
24	428	393	338	331	373	373	325	595	1,690	2,040	856	339
25	429	385	335	330E	366	366	361	509	1,700	2,020	588	355
26	437	368	331	330E	358	357	374	497	1,750	1,980	453	356
27	440	361	328	340E	338	352	360	537	1,890	1,820	383	331
28	450	354	335	340E	328	341	368	513	1,940	1,880	358	324
29	452	351	345	340E	332	341	382	487	2,020	2,010	346	326
30	457	353	345	340E	-----	341	412	481	2,150	1,860	332	326
31	458	-----	348	342	-----	341	-----	488	-----	1,690	312	-----
TOTAL	14,790	12,098	11,800	10,493	9,692	11,557	10,433	19,267	40,456	54,230	43,988	10,180
MEAN	477	403	381	338	334	373	348	622	1,349	1,749	1,419	339
MAX	717	459	614	365	373	454	412	1,230	2,150	2,140	2,350	416
MIN	403	351	328	317	307	341	321	419	487	1,080	312	273
AC-FT	29,340	24,000	23,410	20,810	19,220	22,920	20,690	38,220	80,240	107,600	87,250	20,190
CAL YEAR 1999	TOTAL	218,511	MEAN	599	MAX	2,180	MIN	253	AC-FT	433,400		
WTR YEAR 2000	TOTAL	248,984	MEAN	680	MAX	2,350	MIN	273	AC-FT	493,900		

E indicates estimated discharge.

# SOUTH PLATTE RIVER BASIN

**LODGEPOLE CREEK above Oliver Reservoir, 06762500 - 2000**

LOCATION.--N1/4NE1/4 Sec. 33-15-57 W., Kimball County, Lat 41° 13' 43", Long. 103° 48' 03", on the left bank approximately two miles southeast of Bushnell and 1.5 miles west of Oliver Reservoir.

GAGE.--Continuous stage recorder

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

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								4.2	2.4	1.7	1.1	.75
2								4.3	2.6	1.7	.95	.79
3								4.3	2.5	1.7	.91	.83
4								4.2	2.4	1.7	.92	.83
5								4.1	2.3	1.7	.91	.91
6								4.1	2.1	1.7	.84	.83
7								3.9	2.0	1.7	.79	.79
8								3.8	1.9	1.7	.70	.82
9								3.5	1.8	1.7	.65	.79
10								3.4	1.9	1.7	.61	.84
11								3.5	1.9	1.8	.58	.81
12								3.9	1.9	3.5	.51	.87
13								4.2	1.7	2.1	.56	.89
14								3.9	1.9	2.5	.57	.85
15								3.8	1.8	2.0	.55	.94
16								3.7	1.7	2.3	.58	.90
17								3.5	1.8	1.8	.53	.83
18								3.3	1.8	1.9	.54	.79
19								3.3	1.7	1.8	.66	.73
20								3.2	1.6	1.8	.61	.77
21								3.2	1.6	1.8	.70	.81
22								3.1	1.7	1.8	.68	.75
23								3.1	1.6	1.8	.73	.75
24								3.1	1.6	1.6	.73	.85
25								3.1	1.7	1.6	.74	1.0
26								3.1	1.7	1.5	.69	1.2
27								3.2	1.7	1.4	.66	1.2
28								3.2	1.7	1.3	.63	1.2
29								3.4	1.7	1.2	.73	1.2
30					-----			2.8	1.7	1.1	.83	1.2
31	-----				-----		-----	2.5	-----	1.1	.71	-----
TOTAL								109.9	56.4	54.7	21.90	26.72
MEAN								3.55	1.88	1.76	.71	.89
MAX								4.3	2.6	3.5	1.1	1.2
MIN								2.5	1.6	1.1	.51	.73
AC-FT								218	112	108	43	53
CAL YEAR 1999	TOTAL	450.80	MEAN	1.65	MAX	8.2	MIN	1.1	AC-FT	894		
WTR YEAR 2000	TOTAL	269.62	MEAN	1.76	MAX	4.3	MIN	.51	AC-FT	535		

# SOUTH PLATTE RIVER BASIN

**OLIVER RESERVOIR on Lodgepole Creek, 00407000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4												
5	2,074											
6												
7												1,806
8											2,099	
9												
10												
11							2,536					
12												
13												
14												
15												
16									2,327			
17								2,513		2,293		
18												
19												
20												
21												
22												
23											1,957	
24												
25												
26							2,549					
27												
28												
29												
30					-----			2,477		-----		-----
31		-----			-----							-----

## SOUTH PLATTE RIVER BASIN

## LODGEPOLE CREEK below Oliver Reservoir, 00219000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								.27	.24	.30	.16	.06
2								.21	.24	.22	.08	.03
3								.21	.18	.24	.14	.03
4								.24	.18	.27	.07	.07
5								.27	.24	.31	.06	.10
6								.27	.24	.22	.13	.12
7								.44	.25	.18	.10	.10
8								.36	.30	.23	.09	.06
9								.30	.30	.16	.03	.09
10								.32	.36	.14	.08	.09
11								.41	.33	.15	.17	.12
12								.54	.30	.32	.18	.15
13								.37	.36	.31	.18	.12
14								.36	.37	.21	.18	.12
15								.36	.33	.21	.19	.15
16								.36	.36	.21	.19	.22
17								.41	.42	.23	.14	.24
18								.43	.42	.24	.19	.18
19								.39	.42	.24	.21	.18
20								.38	.38	.24	.18	.18E
21								.30	.33	.24	.12	.18E
22								.30	.33	.23	.09	.18E
23								.30	.34	.18	.07	.19E
24								.24	.27	.15	.04	.19E
25								.25	.29	.15	.05	.19E
26								.32	.33	.18	.03	.19E
27								.23	.33	.21	.06	.19E
28								.22	.32	.27	.06	.19E
29								.20	.30	.21	.06	.19E
30					-----			.24	.30	.26	.06	.19E
31		-----			-----		-----	.24	-----	.21	.06	-----
TOTAL								9.74	9.36	6.92	3.45	4.29
MEAN								.31	.31	.22	.11	.14
MAX								.54	.42	.32	.21	.24
MIN								.20	.18	.14	.03	.03
AC-FT								19	19	14	6.8	8.5
CAL YEAR 1999 MAX		1.8	MIN	.09	AC-FT	95						
WTR YEAR 2000 MAX		.54	MIN	.03	AC-FT	67						

E indicates estimated discharge.

# SOUTH PLATTE RIVER BASIN

**WESTERN CANAL from South Platte River, 00147000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99						0	53	97	39	24	37
2	92						0	50	87	40	25	41
3	103						0	63	75	37	23	42
4	111						0	64	68	39	24	45
5	104						0	62	64	40	23	61
6	86						0	80	63	39	26	68
7	85						0	86	63	40	33	98
8	86						0	96	65	37	35	107
9	88						0	90	57	39	28	95
10	85						0	73	65	40	24	76
11	76						0	82	59	38	25	86
12	88						0	103	60	41	23	88
13	90						0	98	48	47	19	92
14	86						0	95	40	43	17	90
15	87						0	90	40	39	16	74
16	87						0	82	40	34	18	66
17	26						0	80	35	39	73	62
18	0						0	84	35	36	83	54
19	0						0	83	38	36	97	52
20	0						0	76	36	39	88	70
21	0						0	85	30	49	76	71
22	0						0	93	30	84	72	99
23	0						0	52	40	109	96	106
24	0						0	86	39	109	113	130
25	0						0	79	36	108	104	115
26	0						0	76	37	96	80	105
27	0						0	41	37	76	64	87
28	0						31	44	37	74	39	88
29	0						66	96	39	47	19	54
30	0				-----		57	102	45	35	21	73
31	0	-----			-----		-----	107	-----	24	33	-----
TOTAL	1,479						154	2,451	1,505	1,593	1,441	2,332
MEAN	47.7						5.13	79.1	50.2	51.4	46.5	77.7
MAX	111						66	107	97	109	113	130
MIN	0						0	41	30	24	16	37
AC-FT	2,930						305	4,860	2,990	3,160	2,860	4,630
CAL YEAR 1999	MAX	268	MIN	0	AC-FT	31,780						
WTR YEAR 2000	MAX	130	MIN	0	AC-FT	21,730						



# SOUTH PLATTE RIVER BASIN

## SOUTH PLATTE RIVER at North Platte, 06765500 - 2000

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 1,490 cubic feet per second October 4, gage height 7.65 feet; minimum daily discharge 79 cubic feet per second August 11.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,270	680	290	820E	660E	334	336	340	231	105	110	108
2	1,290	637	285	810E	900E	372	342	360	215	107	105	117
3	1,240	658	285	800E	956	385	318	357	272	107	109	117
4	1,420	680	277	800E	786	339	302	344	324	113	104	118
5	1,370	665	256	840E	571	325	282	345	299	120	100	123
6	1,190	664	270	880E	609	312	257	377	268	121	96	111
7	1,060E	660E	320	920E	665	328	338	379	261	122	97	97
8	1,000E	620E	452	960E	711	367	372	455	248	130	86	102
9	940E	599	526	1,000E	741	408	363	394	225	141	80	106
10	880E	588	546	1,070	724	482	300	355	210	132	83	104
11	820E	601	743	963	716	419	274	272	198	126	79	99
12	757	501	984	1,050	703	391	282	271	172	123	83	107
13	737	350	1,030	805	861	366	295	260	156	122	109	107
14	700	322	1,050	697	850	348	281	266	131	117	124	107
15	655	308	1,040E	639	851	386	275	254	134	114	111	99
16	612	303	1,050E	581	898	358	327	248	145	138	98	94
17	601	278	1,080	561	991	303	302	266	128	139	109	85
18	596	262	1,080	585	1,020	266	300	330	114	132	103	88
19	584	257	981	603	1,010	267	310	315	107	113	104	95
20	536	248	846	577	949	260	281	306	103	102	116	144
21	556	256	734	550	928	252	297	301	90	88	115	124
22	560E	234	847	534	905	279	306	274	92	129	98	113
23	570E	254	793	549	913	344	298	260	110	108	90	107
24	580E	258	688	542	789	493	290	262	118	108	93	128
25	590E	255	754	462	650	575	283	338	119	104	97	123
26	585	267	887	431	554	582	281	331	120	106	97	101
27	603	283	896	451	422	574	263	280	114	121	93	95
28	677	304	851	460E	298	547	261	265	108	167	92	92
29	713	314	840E	490E	278	440	277	252	132	148	105	88
30	716	306	840E	490E	-----	400	314	247	110	128	104	91
31	724	-----	820E	500E	-----	364	-----	242	-----	127	119	-----
TOTAL	25,132	12,612	22,341	21,420	21,909	11,866	9,007	9,546	5,054	3,758	3,109	3,190
MEAN	811	420	721	691	755	383	300	308	168	121	100	106
MAX	1,420	680	1,080	1,070	1,020	582	372	455	324	167	124	144
MIN	536	234	256	431	278	252	257	242	90	88	79	85
AC-FT	49,850	25,020	44,310	42,490	43,460	23,540	17,870	18,930	10,020	7,450	6,170	6,330
CAL YEAR 1999 TOTAL		418,270	MEAN	1,146	MAX	14,500	MIN	166	AC-FT	829,600		
WTR YEAR 2000 TOTAL		148,944	MEAN	407	MAX	1,420	MIN	79	AC-FT	295,400		

E indicates estimated discharge.

# PLATTE RIVER BASIN

**TRI-COUNTY CANAL from Platte River, 00142000 - 2000**

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,210	2,200	2,200	2,210	2,180	2,180	2,190	2,200	2,210	2,190	2,210	1,580
2	2,200	2,180	2,180	2,200	2,180	2,200	2,200	2,190	2,200	2,190	2,210	1,620
3	2,200	2,200	2,180	2,190	2,190	2,190	2,190	2,180	2,220	2,200	2,200	1,560
4	2,190	2,180	2,180	2,160	2,190	2,190	2,200	2,140	2,230	2,220	2,230	1,580
5	2,210	2,200	2,190	2,180	2,160	2,190	2,130	2,190	2,210	2,220	2,250	1,600
6	2,210	2,190	2,180	2,190	2,190	2,170	2,210	2,180	2,210	2,220	2,240	1,580
7	2,200	2,190	2,180	2,180	2,200	2,170	2,210	2,190	2,210	2,220	2,240	1,410
8	2,210	2,190	2,180	2,170	2,200	2,210	2,210	2,190	2,200	2,220	2,240	1,280
9	2,200	2,180	2,120	2,180	2,200	2,200	2,200	2,180	2,200	2,210	2,220	1,230
10	2,190	2,190	1,870	2,180	2,180	2,190	2,210	2,180	2,210	2,210	2,220	1,200
11	2,190	2,160	2,100	2,170	2,180	2,210	2,220	2,170	2,210	2,210	2,220	1,160
12	2,180	2,180	2,170	2,180	2,190	2,190	2,190	2,150	2,200	2,200	2,230	1,080
13	2,200	2,190	2,170	2,180	2,180	2,210	2,200	2,130	2,190	2,210	2,220	1,070
14	2,190	2,200	2,200	2,190	2,190	2,210	2,210	2,190	2,210	2,210	2,230	1,050
15	2,200	2,190	2,170	2,180	2,200	2,200	2,180	2,050	2,200	2,200	2,230	1,020
16	2,190	2,200	2,180	2,190	2,200	2,190	2,200	2,010	2,070	2,200	2,230	1,000
17	2,190	2,180	2,170	2,200	2,200	2,180	2,190	1,880	2,180	2,200	2,250	1,000
18	2,200	2,190	2,180	2,190	2,190	2,190	2,190	0	2,180	2,210	2,240	963
19	2,190	2,170	2,170	2,170	2,200	2,200	2,200	119	2,190	2,200	2,240	944
20	2,180	2,180	2,080	2,180	2,190	2,130	2,200	2,090	2,190	2,190	2,250	1,060
21	2,180	2,160	1,740	2,190	2,200	1,740	2,200	1,870	2,190	2,220	2,260	1,040
22	2,210	2,170	1,810	2,200	2,200	2,190	2,190	2,160	2,200	2,220	2,260	1,030
23	2,190	2,180	2,060	2,170	2,200	2,220	2,190	2,220	2,190	2,210	2,250	1,020
24	2,190	2,190	2,190	2,170	2,170	2,220	2,220	2,210	2,200	2,220	2,250	1,090
25	2,190	2,160	2,190	2,170	2,190	2,200	2,210	2,210	2,190	2,220	2,120	1,070
26	2,190	2,170	2,190	2,180	2,180	2,200	2,210	2,210	2,210	2,210	1,760	1,060
27	2,190	2,180	2,180	2,190	2,180	1,680	2,190	2,200	2,200	2,220	1,670	1,030
28	2,190	2,180	2,170	2,080	2,180	1,370	2,200	2,200	2,210	2,210	1,660	1,020
29	2,200	2,180	2,200	2,110	2,180	1,980	2,190	2,200	2,190	2,220	1,770	992
30	2,190	2,180	2,200	2,180	-----	2,170	2,210	2,210	2,190	2,210	1,640	1,020
31	2,190	-----	2,210	2,180	-----	2,190	-----	2,200	-----	2,200	1,610	-----
TOTAL	68,040	65,490	66,190	67,490	63,470	65,960	65,940	62,499	65,890	68,490	65,850	35,359
MEAN	2,195	2,183	2,135	2,177	2,189	2,128	2,198	2,016	2,196	2,209	2,124	1,179
MAX	2,210	2,200	2,210	2,210	2,200	2,220	2,220	2,220	2,230	2,220	2,260	1,620
MIN	2,180	2,160	1,740	2,080	2,160	1,370	2,130	0	2,070	2,190	1,610	944
AC-FT	135,000	129,900	131,300	133,900	125,900	130,800	130,800	124,000	130,700	135,800	130,600	70,130
CAL YEAR 1999	TOTAL	773,820	MEAN	2,120	MAX	2,230	MIN	1,050	AC-FT	1,535,000		
WTR YEAR 2000	TOTAL	760,668	MEAN	2,078	MAX	2,260	MIN	0	AC-FT	1,509,000		

# PLATTE RIVER BASIN

**JEFFREY RESERVOIR from Platte River, 00403700 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5,512	5,622	5,512	5,457	5,237	5,292	5,787	5,842	5,842	5,787	5,787	5,402
2	5,512	5,677	5,567	5,512	5,237	5,237	6,062	5,842	5,842	5,787	5,787	5,512
3	5,512	5,622	5,567	5,512	5,237	5,182	6,007	5,897	5,787	5,842	5,787	5,567
4	5,512	5,567	5,567	5,457	5,237	5,127	5,842	5,677	5,787	5,787	5,787	5,512
5	5,457	5,512	5,512	5,512	5,237	5,072	5,787	5,622	5,622	5,732	5,842	5,457
6	5,512	5,512	5,512	5,622	5,182	5,017	5,732	5,787	5,512	5,732	5,842	5,567
7	5,567	5,512	5,512	5,457	5,292	4,862	5,842	5,787	5,512	5,787	5,842	5,512
8	5,677	5,512	5,567	5,457	5,182	5,017	5,787	6,007	5,567	5,842	5,842	5,347
9	5,787	5,512	5,512	5,512	5,347	5,017	5,732	6,007	5,677	5,787	5,787	5,457
10	5,787	5,512	5,127	5,347	5,237	4,812	5,787	5,842	5,787	5,842	5,732	5,512
11	5,677	5,512	5,017	5,127	5,292	4,612	5,787	5,842	5,842	5,842	5,677	5,567
12	5,622	5,512	5,347	5,072	5,292	4,662	5,842	5,787	5,787	5,732	5,732	5,622
13	5,567	5,512	5,622	4,912	5,292	4,662	5,787	5,677	5,732	5,677	5,842	5,677
14	5,457	5,512	5,677	4,712	5,292	4,612	5,732	5,787	5,787	5,732	5,787	5,732
15	5,457	5,512	5,512	4,712	5,292	4,562	5,787	5,787	5,787	5,732	5,677	5,787
16	5,512	5,512	5,512	4,662	5,347	4,262	5,732	5,677	5,787	5,787	5,732	5,787
17	5,512	5,512	5,457	4,762	5,347	4,062	5,787	6,637	5,787	5,842	5,787	5,787
18	5,512	5,512	5,402	4,662	5,402	3,914	5,787	6,697	5,732	5,787	5,842	5,842
19	5,622	5,512	5,402	4,562	5,402	3,677	5,842	6,292	5,787	5,732	5,732	5,842
20	5,512	5,457	5,182	5,237	5,402	5,072	5,842	5,787	5,787	5,677	5,787	5,237
21	5,402	5,402	5,457	5,072	5,732	5,567	5,787	5,787	5,732	5,732	5,842	5,677
22	5,457	5,347	5,292	4,962	5,787	5,512	5,732	5,842	5,787	5,787	5,897	5,787
23	5,457	5,457	5,567	4,912	5,677	5,402	5,787	5,787	5,787	5,787	5,842	5,787
24	5,457	5,512	5,512	4,862	5,622	5,237	5,842	5,677	5,732	5,787	5,787	5,842
25	5,402	5,512	5,512	4,862	5,512	5,127	5,842	5,677	5,732	5,732	5,787	5,787
26	5,292	5,512	5,567	4,762	5,402	4,862	5,787	5,787	5,732	5,787	5,787	5,787
27	5,512	5,512	5,457	5,402	5,347	5,732	5,732	5,787	5,842	5,787	5,567	5,787
28	5,512	5,457	5,402	5,182	5,182	5,237	5,677	5,787	5,842	5,732	5,567	5,732
29	5,512	5,347	5,347	5,347	5,237	4,962	5,732	5,787	5,842	5,787	5,732	5,732
30	5,457	5,402	5,347	5,292	-----	5,072	5,842	5,787	5,787	5,787	5,622	5,732
31	5,457	-----	5,402	5,237	-----	5,457	-----	5,842	-----	5,787	5,402	-----
MAX	5,787	5,677	5,677	5,622	5,787	5,732	6,062	6,697	5,842	5,842	5,897	5,842
MIN	5,292	5,347	5,017	4,562	5,182	3,677	5,677	5,622	5,512	5,677	5,402	5,237
CHANGE	0	-55.0	0	-165	0	220	385	0	-55.0	0	-385	330
CAL YEAR 1999			MEAN	5,483	MAX	6,120	MIN	2,790				
WTR YEAR 2000			MEAN	5,540	MAX	6,697	MIN	3,677				

# PLATTE RIVER BASIN

**JEFFREY POWER RETURN to Platte River, 00143000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	0	0	0	17	0
2	0	0	0	0	0	0	0	0	0	0	94	0
3	0	0	0	0	0	0	0	0	0	0	187	0
4	0	0	0	0	0	0	0	0	0	0	255	0
5	0	0	0	0	0	0	0	0	0	0	324	0
6	0	0	0	0	0	0	0	0	0	49	341	0
7	0	0	0	0	0	0	0	0	20	255	289	0
8	0	0	0	0	0	0	0	0	80	455	283	0
9	0	0	0	0	0	0	0	0	75	490	135	0
10	0	0	0	0	0	0	0	0	42	422	0	0
11	0	0	0	0	0	0	0	0	29	378	0	0
12	0	0	0	0	0	0	0	0	0	385	0	0
13	0	0	0	0	0	0	0	0	23	404	0	0
14	0	0	0	0	0	0	0	0	138	325	0	0
15	0	0	0	0	0	0	0	26	12	232	0	0
16	0	0	0	0	0	0	0	128	0	116	0	0
17	0	0	0	0	0	0	0	116	0	15	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	121	103	0	0	0
22	0	0	0	0	0	0	0	174	163	0	0	0
23	0	0	0	0	0	0	0	3.0	94	0	0	0
24	0	0	0	0	0	0	0	0	161	0	0	0
25	0	0	0	0	0	0	0	0	224	0	0	0
26	0	0	0	0	0	0	0	0	377	0	0	0
27	0	0	0	0	0	0	0	0	353	0	0	0
28	0	0	0	0	0	0	0	0	241	0	52	0
29	0	0	0	0	0	0	0	0	157	0	65	0
30	0	0	0	0	-----	0	0	0	0	0	82	0
31	0	-----	0	0	-----	0	-----	0	-----	0	45	-----
TOTAL	0	0	0	0	0	0	0	568.0	2,292	3,526	2,169	0
MEAN	0	0	0	0	0	0	0	18.3	76.4	114	70.0	0
MAX	0	0	0	0	0	0	0	174	377	490	341	0
MIN	0	0	0	0	0	0	0	0	0	0	0	0
AC-FT	0	0	0	0	0	0	0	1,130	4,550	6,990	4,300	0
CAL YEAR 1999	TOTAL	1,426.0	MEAN	3.91	MAX	319	MIN	0	AC-FT	2,830		
WTR YEAR 2000	TOTAL	8,555.0	MEAN	23.4	MAX	490	MIN	0	AC-FT	16,970		

# PLATTE RIVER BASIN

**ELWOOD RESERVOIR from Platte River, 00403300 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21,430	19,640	18,230	16,950	15,860	15,010	25,470	32,790	37,690	33,730	28,790	17,940
2	21,270	19,570	18,160	16,950	15,860	15,010	25,740	33,000	37,800	33,520	28,410	17,870
3	21,190	19,490	18,160	16,880	15,800	15,400	25,920	33,210	37,920	33,520	28,030	17,800
4	21,190	19,420	18,090	16,880	15,800	15,800	26,280	33,420	38,030	33,520	27,660	17,800
5	21,120	19,340	18,090	16,880	15,730	16,200	26,550	33,630	37,920	33,420	27,290	17,730
6	21,040	19,340	18,020	16,820	15,730	16,470	26,830	33,840	37,920	33,310	26,920	17,660
7	21,040	19,340	18,020	16,750	15,660	16,880	27,010	34,050	37,920	33,210	26,550	17,800
8	20,960	19,270	17,940	16,750	15,660	17,370	27,290	34,270	37,800	33,100	26,190	18,020
9	20,880	19,190	17,870	16,680	15,600	17,660	27,560	34,480	37,800	33,000	25,650	18,230
10	20,880	19,190	17,870	16,680	15,530	18,090	27,850	34,700	37,690	32,890	25,030	18,530
11	20,800	19,120	17,800	16,610	15,530	18,450	28,030	34,810	37,690	32,790	24,420	18,530
12	20,720	19,120	17,800	16,610	15,530	18,820	28,320	34,810	37,570	32,690	23,820	18,530
13	20,640	19,040	17,730	16,540	15,460	19,190	28,510	35,020	37,350	32,480	23,150	18,450
14	20,640	18,970	17,660	16,470	15,460	19,570	28,790	35,240	37,120	32,270	22,570	18,380
15	20,570	18,970	17,660	16,470	15,400	19,950	29,080	35,350	36,780	31,960	21,920	18,310
16	20,490	18,890	17,590	16,400	15,400	20,260	29,270	35,560	36,450	31,760	21,190	18,230
17	20,410	18,820	17,590	16,400	15,330	20,640	29,570	35,680	36,120	31,550	20,640	18,230
18	20,330	18,820	17,520	16,330	15,330	20,960	29,860	35,900	35,790	31,450	20,180	18,160
19	20,330	18,750	17,520	16,330	15,330	21,270	30,060	35,900	35,680	31,350	19,870	18,160
20	20,260	18,670	17,450	16,270	15,270	21,670	30,250	35,900	35,350	31,150	19,640	18,090
21	20,180	18,670	17,450	16,270	15,270	22,000	30,550	36,120	35,240	31,050	19,340	18,020
22	20,180	18,600	17,370	16,200	15,200	22,320	30,750	36,230	35,240	30,950	19,120	18,020
23	20,100	18,600	17,370	16,200	15,270	22,730	30,850	36,340	35,680	30,850	18,820	17,940
24	20,020	18,530	17,300	16,130	15,200	22,980	31,250	36,560	35,680	30,650	18,600	17,940
25	20,020	18,450	17,230	16,060	15,200	23,320	31,450	36,670	35,680	30,450	18,380	17,870
26	19,950	18,450	17,230	16,060	15,140	23,650	31,660	36,900	34,810	30,250	18,230	17,800
27	19,870	18,380	17,160	16,060	15,140	23,990	31,860	37,010	34,590	29,960	18,160	17,800
28	19,870	18,380	17,160	16,000	15,070	24,250	32,070	37,120	34,270	29,760	18,090	17,730
29	19,800	18,310	17,090	16,000	15,070	24,510	32,270	37,350	34,160	29,570	18,020	17,660
30	19,720	18,230	17,090	15,930	-----	24,860	32,580	37,460	33,950	29,270	18,020	17,660
31	19,640	-----	17,020	15,930	-----	25,120	-----	37,570	-----	29,080	17,940	-----
MAX	21,430	19,640	18,230	16,950	15,860	25,120	32,580	37,570	38,030	33,730	28,790	18,530
MIN	19,640	18,230	17,020	15,930	15,070	15,010	25,470	32,790	33,950	29,080	17,940	17,660
CHANGE	-1,790	-1,410	-1,210	-1,090	-860	10,050	7,460	4,990	-3,620	-4,870	-11,140	-280

CAL YEAR 1999	MEAN	21,519	MAX	21,430	MIN	17,020
WTR YEAR 2000	MEAN	23,528	MAX	38,030	MIN	15,010

# PLATTE RIVER BASIN

**JOHNSON RESERVOIR from Platte River, 00403800 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41,935	43,935	42,935	42,935	44,935	45,185	42,185	42,685	44,685	44,435	44,685	43,685
2	41,700	43,935	43,435	43,185	44,435	44,935	41,935	43,185	43,935	45,435	45,185	44,185
3	41,465	43,935	43,185	42,935	43,685	44,435	41,700	43,435	44,185	45,685	44,935	44,435
4	41,230	43,685	42,685	42,685	43,185	43,685	41,465	43,185	44,435	45,685	44,685	45,185
5	41,230	44,435	43,185	43,185	42,435	43,685	41,935	43,435	43,935	45,685	43,935	45,435
6	41,465	43,685	42,935	42,685	42,185	43,185	42,685	43,185	43,435	45,685	42,935	45,685
7	41,465	44,435	43,185	43,185	43,935	43,185	42,435	43,935	43,435	45,185	41,465	45,935
8	41,935	43,935	42,935	42,935	43,935	42,435	42,685	43,685	43,185	44,935	40,290	45,185
9	41,465	44,435	43,435	42,935	43,685	41,700	42,685	42,685	42,685	43,435	39,585	44,935
10	42,935	44,435	42,935	42,685	43,685	41,465	42,435	42,435	42,685	43,435	38,410	43,935
11	45,435	44,685	43,435	42,935	43,935	40,995	42,685	42,685	42,185	43,185	38,410	43,685
12	45,935	44,185	43,185	42,935	43,685	40,525	42,935	42,685	42,685	42,935	38,175	42,935
13	45,435	43,935	43,435	43,935	44,185	40,995	42,185	43,185	43,435	41,700	38,410	43,435
14	45,435	44,185	42,935	43,685	43,935	41,935	42,685	43,435	43,185	40,290	37,940	42,685
15	45,185	43,935	42,935	43,685	43,685	42,685	42,935	42,935	43,185	39,585	38,175	42,685
16	44,935	43,435	43,185	43,435	44,185	43,435	42,685	42,935	43,435	38,645	38,410	42,685
17	44,685	43,935	43,435	43,435	44,185	43,685	42,935	42,935	43,685	38,410	38,645	42,685
18	44,685	43,935	43,435	43,935	44,185	43,685	42,935	42,185	43,685	38,410	39,350	42,685
19	44,435	43,935	43,185	43,935	43,685	43,185	42,935	40,995	43,935	37,940	39,820	42,935
20	44,435	43,685	43,435	43,935	44,435	42,435	42,935	40,760	44,935	38,645	41,230	43,435
21	44,435	43,185	43,685	43,435	44,185	40,290	42,685	41,465	45,435	39,350	42,435	43,185
22	44,185	43,685	42,435	43,435	43,685	40,055	42,935	41,700	44,185	39,585	43,935	43,685
23	43,935	43,435	42,685	43,435	44,185	41,935	42,685	42,435	44,685	40,525	44,935	43,185
24	43,685	43,185	41,935	43,435	43,935	42,185	42,935	43,185	44,935	41,230	45,935	43,935
25	43,685	43,435	42,185	43,935	44,435	41,700	42,685	43,935	44,435	42,685	45,685	44,185
26	43,935	43,185	42,185	43,685	44,185	41,230	42,685	44,185	44,185	43,185	45,935	44,435
27	44,185	43,435	41,935	43,435	43,935	40,760	42,185	44,685	43,435	44,685	45,935	44,685
28	44,435	43,185	42,435	43,685	44,185	39,585	42,685	44,685	43,435	43,935	45,935	44,435
29	43,935	43,185	42,185	43,185	45,185	40,760	42,435	44,435	43,685	44,935	44,935	44,435
30	44,185	43,435	41,935	43,435	-----	43,685	42,435	44,685	43,685	44,435	43,685	44,185
31	43,935	-----	42,685	43,435	-----	42,935	-----	44,685	-----	44,435	43,685	-----
MAX	45,935	44,685	43,685	43,935	45,185	45,185	42,935	44,685	45,435	45,685	45,935	45,935
MIN	41,230	43,185	41,935	42,685	42,185	39,585	41,465	40,760	42,185	37,940	37,940	42,685
CHANGE	2,000	-500	-750	750	1,750	-2,250	-500	2,250	-1,000	750	-750	500
CAL YEAR 1999			MEAN	42,145	MAX	45,935	MIN	36,600				
WTR YEAR 2000			MEAN	43,161	MAX	45,935	MIN	37,940				

## PLATTE RIVER BASIN

## PHELPS COUNTY CANAL from Platte River via Tri-County Canal, 00122000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	0	0	0	0	198	278	792	619	304
2	0	0	0	0	0	0	0	191	289	800	661	195
3	0	0	0	0	0	0	0	204	290	765	702	163
4	0	0	0	0	0	0	0	216	292	93	747	154
5	0	0	0	0	0	0	0	216	292	86	755	146
6	0	0	0	0	0	0	0	216	292	134	733	134
7	0	0	0	0	0	0	0	231	296	146	856	108
8	0	0	0	0	0	0	0	224	322	228	972	108
9	0	0	0	0	0	0	0	229	354	258	990	96
10	0	0	0	0	0	0	0	249	391	354	986	52
11	0	0	0	0	0	0	0	228	424	494	961	6.0
12	0	0	0	0	0	0	0	243	443	659	892	0
13	0	0	0	0	0	0	0	258	492	814	836	0
14	0	0	0	0	0	0	0	259	637	941	865	0
15	0	0	0	0	0	0	0	259	730	999	930	0
16	0	0	0	0	0	0	0	259	736	958	960	0
17	0	0	0	0	0	0	1.0	257	822	884	939	0
18	0	0	0	0	0	0	161	256	869	844	904	0
19	0	0	0	0	0	0	222	225	815	809	694	0
20	0	0	0	0	0	0	219	226	263	830	518	0
21	0	0	0	0	0	0	209	227	377	747	501	0
22	0	0	0	0	0	0	146	228	397	640	554	0
23	0	0	0	0	0	0	146	244	262	600	564	0
24	0	0	0	0	0	0	146	245	324	636	527	0
25	0	0	0	0	0	0	160	250	373	605	499	0
26	0	0	0	0	0	0	164	243	500	548	474	0
27	0	0	0	0	0	0	177	231	624	545	477	0
28	0	0	0	0	0	0	204	250	678	436	505	0
29	0	0	0	0	0	0	202	255	738	440	526	0
30	0	0	0	0	-----	0	198	255	583	394	495	0
31	0	-----	0	0	-----	0	-----	257	-----	467	416	-----
TOTAL	0	0	0	0	0	0	2,355.0	7,329	14,183	17,946	22,058	1,466.0
MEAN	0	0	0	0	0	0	78.5	236	473	579	712	48.9
MAX	0	0	0	0	0	0	222	259	869	999	990	304
MIN	0	0	0	0	0	0	0	191	262	86	416	0
AC-FT	0	0	0	0	0	0	4,670	14,540	28,130	35,600	43,750	2,910
CAL YEAR 1999	TOTAL	54,140.0	MEAN	148	MAX	1,100	MIN	0	AC-FT	107,400		
WTR YEAR 2000	TOTAL	65,337.0	MEAN	179	MAX	999	MIN	0	AC-FT	129,600		

# PLATTE RIVER BASIN

**JOHNSON POWER RETURN to Platte River, 00144000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,770	1,860	1,860	1,730	858	1,830	1,680	1,120	1,200	121	200	445
2	1,790	1,790	1,870	1,820	2,130	1,830	1,600	1,120	1,180	0	283	472
3	1,790	1,790	1,900	1,870	2,220	1,840	1,540	1,190	1,190	225	434	472
4	1,810	1,780	1,910	1,830	2,140	1,840	1,470	1,210	1,190	1,670	506	472
5	1,810	1,780	1,870	1,870	2,140	1,830	1,470	1,220	1,220	1,510	483	555
6	1,780	1,780	1,840	1,870	2,130	1,830	1,480	1,220	1,280	1,360	482	640
7	1,750	1,780	1,840	1,880	1,080	1,820	1,500	1,230	1,250	1,250	484	293
8	1,760	1,780	1,810	1,860	1,800	1,820	1,560	1,260	1,150	960	468	912
9	1,760	1,810	1,850	1,870	1,810	1,830	1,570	1,250	964	888	452	814
10	1,700	1,810	1,830	1,870	1,810	1,570	1,560	1,240	851	476	444	857
11	323	1,860	1,820	1,870	1,800	1,840	1,570	1,260	820	376	458	752
12	1,370	1,900	1,810	1,880	1,810	1,840	1,580	1,180	677	326	458	641
13	1,800	1,910	1,820	1,740	1,810	1,700	1,580	1,140	541	362	453	603
14	1,850	1,910	1,810	1,890	1,800	1,350	1,550	1,130	467	353	403	578
15	1,870	1,910	1,820	1,900	1,810	1,200	1,540	1,130	408	353	245	478
16	1,870	1,890	1,810	1,900	1,790	1,230	1,540	1,080	353	353	37	462
17	1,870	1,860	1,820	1,900	1,780	1,200	1,540	893	206	325		464
18	1,870	1,820	1,820	1,890	1,790	1,820	1,380	6.0	386	331		418
19	1,870	1,860	1,830	1,890	1,790	1,830	1,230	30	158	268	65	391
20	1,870	1,860	1,820	1,890	1,790	1,840	1,310	718	709	188	86	389
21	1,870	1,900	1,800	1,890	1,780	1,840	1,360	891	699	160		434
22	1,870	1,880	1,760	1,900	1,810	1,610	1,420	653	911	165		509
23	1,870	1,900	1,570	1,900	1,810	910	1,420	655	989	125		552
24	1,870	1,880	1,820	1,900	1,820	1,360	1,430	693	815	60	111	461
25	1,870	1,860	1,830	1,890	1,820	1,780	1,370	990	761		381	514
26	1,630	1,860	1,850	1,880	1,820	1,780	1,340	1,210	612	133	475	617
27	1,860	1,860	1,880	1,890	1,820	1,790	1,320	1,190	317	187	484	581
28	1,850	1,850	1,870	1,890	1,820	1,770	1,200	1,150	55	567	447	725
29	1,850	1,870	1,890	1,890	1,420	419	1,300	1,150	293	770	427	631
30	1,860	1,850	1,870	1,890	-----	161	1,280	1,190	504	700	447	851
31	1,930	-----	1,790	1,880	-----	1,660	-----	1,220	-----	539	448	-----
TOTAL	54,613	55,450	56,690	58,020	52,008	48,970	43,690	31,619.0	22,156	15,101	9,661	16,983
MEAN	1,762	1,848	1,829	1,872	1,793	1,580	1,456	1,020	739	503	372	566
MAX	1,930	1,910	1,910	1,900	2,220	1,840	1,680	1,260	1,280	1,670	506	912
MIN	323	1,780	1,570	1,730	858	161	1,200	6.0	55	0	37	293
AC-FT	108,300	110,000	112,400	115,100	103,200	97,130	86,660	62,720	43,950	29,950	19,160	33,690
CAL YEAR 1999	TOTAL	532,241.0	MEAN	1,458	MAX	1,930	MIN	0	AC-FT	1,056,000		
WTR YEAR 2000	TOTAL	464,961.0	MEAN	1,292	MAX	2,220	MIN	0	AC-FT	922,300		



# PLATTE RIVER BASIN

## PLATTE RIVER near Maxwell, 00228500 - 2000

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,650 cubic feet per second May 18, gage height 6.63 feet, minimum daily discharge 48 cubic feet per second August 26.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,030	862	411	987	487	374	377	442	403	1,810	1,180	58
2	2,050	835	363	1,030	829	355	379	363	362	1,710	1,060	60
3	2,100	787	366	922	893	407	410	194	319	1,620	1,050	61
4	2,220	760	376	881	750	379	383	113	323	1,410	1,080	62
5	2,170	712	375	1,020	656	347	351	197	322	1,130	1,040	65
6	1,840	715	381	1,270	560	295	263	315	312	907	1,110	65
7	1,680	742	360	1,190	534	123	377	219	329	763	1,190	62
8	1,580	766	441	1,320	573	158	430	441	309	664	1,200	61
9	1,460	801	451	1,360	657	205	510	643	290	833	1,300	60
10	1,360	781	145	1,240	724	450	442	491	338	927	1,440	55
11	1,250	784	119	827	684	648	368	250	470	980	1,530	56
12	1,120	730	317	1,010	680E	577	380	115	733	892	1,520	57
13	966	595	395	791	760E	484	430	99	647	867	1,630	60
14	902	523	457	668	733	395	404	108	507	987	1,790	57
15	819	489	457	704	362	356	366	104	1,090	1,110	1,750	59
16	644	475	661	640	354	343	395	81	936	1,230	1,740	60
17	573	462	700E	600	437	338	442	234	1,500	1,460	1,900	60
18	568	444	450E	665	804	340	396	2,320	1,630	1,730	1,790	60
19	537	411	500E	676	848	336	359	2,190	1,640	1,760	1,780	61
20	478	394	590E	586	884	332	316	577	1,550	1,670	1,880	80
21	447	403	640E	520E	748	626	393	128	1,380	1,660	2,010	65
22	481	412	740E	540E	406	366	404	151	1,410	1,830	1,830	62
23	535	456	840E	520E	389	328	394	324	1,330	1,800	1,160	60
24	587	475	900E	500E	838	498	384	292	1,290	1,850	463	67
25	720	418	787	500E	855	615	436	382	1,250	1,890	120	65
26	788	409	899	540E	721	690	443	436	1,250	1,790	48	58
27	824	385	957	520E	621	455	357	476	1,310	1,650	51	56
28	865	355	1,020	540E	500	100	314	424	1,420	1,600	56	56
29	878	376	1,080	600E	419	82	333	360	1,580	1,640	70	55
30	885	415	1,120	540E	-----	74	386	295	2,040	1,640	63	58
31	891	-----	1,100	436	-----	228	-----	321	-----	1,400	57	-----
TOTAL	34,248	17,172	18,398	24,143	18,706	11,304	11,622	13,085	28,270	43,210	34,888	1,821
MEAN	1,105	572	593	779	645	365	387	422	942	1,394	1,125	60.7
MAX	2,220	862	1,120	1,360	893	690	510	2,320	2,040	1,890	2,010	80
MIN	447	355	119	436	354	74	263	81	290	664	48	55
AC-FT	67,930	34,060	36,490	47,890	37,100	22,420	23,050	25,950	56,070	85,710	69,200	3,610

WTR YEAR 2000 TOTAL 256,867 MEAN 702 MAX 2,320 MIN 48 AC-FT 509,500

E indicates estimated discharge.

# PLATTE RIVER BASIN

## PLATTE RIVER at Brady, 06766000 - 2000

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 2,050 cubic feet per second May 19, combined channel flow; minimum daily discharge 62 cubic feet per second on September 18, combined channel flow.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,010	843	523	890	648	413	476	486	444	1,720	1,380	85
2	1,950	778	509	933	1,070	415	483	429	462	1,600	1,210	83
3	1,940	763	499	892	1,060	455	507	318	426	1,580	1,110	80
4	1,960	750	501	783	999	491	501	248	421	1,480	1,050	75
5	1,930	764	475	952	893	432	491	241	432	1,250	995	87
6	1,670	780	485	1,170	760	403	384	354	419	1,140	982	77
7	1,490	827	473	1,170	752	323	446	312	420	900	1,020	75
8	1,410	855	503	1,220	771	342	475	412	392	775	1,030	74
9	1,310	879	566	1,240	802	350	510	644	392	841	1,200	73
10	1,280	848	357	1,200	836	421	468	564	420	952	1,350	71
11	1,220	827	292	863	802	656	400	422	498	1,010	1,440	70
12	1,160	817	394	966	772	640	395	259	670	985	1,480	70
13	1,070	709	463	810	805	584	432	222	773	979	1,590	69
14	1,000	629	502	679	794	566	423	205	584	1,020	1,700	67
15	933	588	466	677	430	517	399	212	971	1,130	1,690	66
16	810	564	593	627	385	522	401	187	910	1,270	1,680	65
17	688	558	796	580	385	503	459	216	1,220	1,460	1,870	64
18	644	550	653	614	643	505	456	1,340	1,440	1,660	1,800	62
19	604	534	548	623	688	477	423	1,900	1,470	1,740	1,870	67
20	554	490	616	562	698	482	374	904	1,430	1,740	1,940	83
21	507	485	714E	528	694	610	419	323	1,300	1,740	2,020	75
22	486	464	814E	562	441	569	431	201	1,290	1,820	1,840	77
23	499	504	915E	556	388	413	414	336	1,240	1,830	1,250	75
24	541	499	948	544	681	525	394	345	1,200	1,840	655	88
25	668	494	802	549	808	628	452	381	1,200	1,820	281	87
26	704	500	810	603	698	694	448	467	1,210	1,730	142	82
27	748	500	866	590	587	649	409	478	1,270	1,710	111	79
28	797	472	917	588	523	306	338	441	1,350	1,700	96	78
29	848	465	937	635E	464	251	343	426	1,430	1,720	116	76
30	849	508	995	596E	-----	233	391	387	1,820	1,750	104	76
31	861	-----	962	576E	-----	279	-----	399	-----	1,590	90	-----
TOTAL	33,141	19,244	19,894	23,778	20,277	14,654	12,942	14,059	27,504	44,482	35,092	2,256
MEAN	1,069	641	642	767	699	473	431	454	917	1,435	1,132	75.2
MAX	2,010	879	995	1,240	1,070	694	510	1,900	1,820	1,840	2,020	88
MIN	486	464	292	528	385	233	338	187	392	775	90	62
AC-FT	65,740	38,170	39,460	47,160	40,220	29,070	25,670	27,890	54,550	88,230	69,600	4,470
CAL YEAR 1999	TOTAL	534,768	MEAN	1,465	MAX	13,500	MIN	129	AC-FT	1,061,000		
WTR YEAR 2000	TOTAL	267,323	MEAN	730	MAX	2,020	MIN	62	AC-FT	530,200		

E indicates estimated discharge.

# PLATTE RIVER BASIN

## THIRTY MILE CANAL from Platte River, 00141000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0				0	0	0	102	194	260	0
2	0	0				0	0	0	99	197	256	0
3	0	0				0	0	0	98	188	251	0
4	0					0	0	0	98	102	250	0
5	0					0	0	0	116	155	246	0
6	0					0	0	0	124	156	248	0
7	0					0	0	0	124	171	251	0
8	0					0	0	0	123	177	255	0
9	0					0	0	0	127	189	255	0
10	0					0	0	0	128	215	253	0
11	0					0	0	0	127	242	253	0
12	0					0	0	0	128	262	252	0
13	0					0	0	0	143	268	251	0
14	0					0	0	0	166	265	247	0
15	0					0	0	54	175	270	212	0
16	0					0	0	73	189	269	211	0
17	0					0	0	73	200	272	222	0
18	0					0	0	75	214	269	216	0
19	0					0	0	72	228	265	212	0
20	0					0	0	71	239	267	213	0
21	0					0	0	72	262	262	203	0
22	0					0	0	75	295	264	191	0
23	0					0	0	77	299	265	185	0
24	0					0	0	76	301	269	176	0
25	0					0	0	77	302	269	36	0
26	0					0	0	77	301	268	0	0
27	0					0	0	77	300	270	0	0
28	0					0	0	77	308	273	0	0
29	0					0	0	93	291	271	0	0
30	0				-----	0	0	104	201	266	0	0
31	0	-----			-----	0	-----	105	-----	260		-----
TOTAL	0	0				0	0	1,328	5,808	7,330	5,605	0
MEAN	0	0				0	0	42.8	194	236	187	0
MAX	0	0				0	0	105	308	273	260	0
MIN	0	0				0	0	0	98	102	0	0
AC-FT	0	0				0	0	2,630	11,520	14,540	11,120	0
CAL YEAR 1999	MAX	307	MIN	0	AC-FT	34,650						
WTR YEAR 2000	MAX	308	MIN	0	AC-FT	39,810						

# PLATTE RIVER BASIN

**GOTHENBURG CANAL from Platte River, 00057000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						0	2.6	92	118	352	345	0
2						0	2.6	92	117	366	348	0
3						0	2.6	93	115	369	347	0
4						0	2.6	94	117	341	352	0
5						0	2.9	95	117	311	351	0
6						0	2.9	96	117	333	348	0
7						0	2.9	96	118	360	346	0
8						0	2.9	96	117	362	351	0
9						0	2.9	96	117	362	351	0
10						0	2.9	94	112	361	353	0
11						0	2.7	94	125	362	354	0
12						0	2.6	93	146	359	354	0
13						0	2.6	93	165	361	354	0
14						0	2.9	92	188	356	354	0
15						0	2.9	93	189	358	334	0
16						0	2.8	92	187	358	320	0
17						0	12	93	191	359	351	0
18						0	107	96	192	354	348	0
19						0	72	93	239	353	351	0
20						0	70	92	238	352	348	0
21						0	72	92	239	348	343	0
22						2.6	72	105	300	349	337	0
23						2.6	73	118	313	346	338	0
24						2.6	74	118	314	350	338	0
25						2.6	119	121	316	351	182	0
26						2.6	99	122	329	347	11	0
27						2.9	100	120	345	349	7.2	0
28						2.9	103	117	349	354	2.9	0
29						2.9	104	117	345	354	0	0
30						2.9	99	118	346	353	0	0
31		-----			-----	2.8	-----	118	-----	347	0	-----
TOTAL						27.4	1,220.3	3,141	6,221	10,937	8,519.1	0
MEAN						.88	40.7	101	207	353	275	0
MAX						2.9	119	122	349	369	354	0
MIN						0	2.6	92	112	311	0	0
AC-FT						54	2,420	6,230	12,340	21,690	16,900	0
CAL YEAR 1999	MAX	353	MIN	0	AC-FT	45,260						
WTR YEAR 2000	MAX	369	MIN	0	AC-FT	59,640						

# PLATTE RIVER BASIN

## BUFFALO CREEK (B-1) RESERVOIR SUPPLY CANAL from Platte River, 00019500 - 2000

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 1999 TO SEP 2000

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

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 No water diverted in 2000.

CAL YEAR 1999	MAX	0	MIN	0	AC-FT	0						
WTR YEAR 2000	MAX	0	MIN	0	AC-FT	0						

# PLATTE RIVER BASIN

**SIX MILE CANAL from Platte River, 00134000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						0	0	0	0	.37	19	0
2						0	0	0	0	.25	14	0
3						0	0	0	0	.34	12	0
4						0	0	0	0	.27	11	0
5						0	0	0	0	.20	11	0
6						0	0	0	0	.18	11	0
7						0	0	0	0	.14	11	0
8						0	0	0	0	4.9	15	0
9						0	0	0	0	8.4	19	0
10						0	0	0	0	12	20	0
11						0	0	0	1.9	12	20	0
12						0	0	0	13	13	21	0
13						0	0	0	18	21	22	0
14						0	0	0	18	25	22	0
15						0	0	0	18	25	20	0
16						0	0	0	19	26	19	0
17						0	0	0	19	26	22	0
18						0	0	0	19	26	22	0
19						0	0	3.9	16	27	20	0
20						0	0	3.3	16	27	16	0
21						0	0	0	16	27	15	0
22						2.8	0	0	16	24	12	0
23						.31	0	0	16	20	6.7	0
24						.97	0	0	18	20	3.9	0
25						1.7	0	0	25	21	.36	0
26						2.5	0	3.6	25	23	.28	0
27						2.5	0	5.2	25	23	.26	0
28						.20	0	5.5	25	23	.19	0
29						0	0	5.1	25	23	.04	0
30						0	0	3.7	9.2	23	0	0
31		-----			-----	0	-----	.04	-----	23		-----
TOTAL						10.98	0	30.34	358.1	505.05	385.73	0
MEAN						.35	0	.98	11.9	16.3	12.9	0
MAX						2.8	0	5.5	25	27	22	0
MIN						0	0	0	0	.14	0	0
AC-FT						22	0	60	710	1,000	765	0
CAL YEAR 1999	MAX	24	MIN	0	AC-FT	1,620						
WTR YEAR 2000	MAX	27	MIN	0	AC-FT	2,560						

# PLATTE RIVER BASIN

## COZAD CANAL from Platte River, 00033000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	0	65	251	258	0
2							0	0	65	270	259	0
3							0	0	64	277	261	0
4							0	0	64	272	265	0
5							0	0	64	259	258	0
6							0	0	64	276	257	0
7							0	0	64	274	260	0
8							0	0	66	276	263	0
9							0	0	66	277	254	0
10							0	0	60	272	257	0
11							0	0	55	270	255	0
12							0	0	56	268	255	0
13							0	0	59	269	263	0
14							0	0	58	268	273	0
15							0	.72	56	276	257	0
16							0	25	83	278	229	0
17							0	26	100	277	258	0
18							0	82	124	276	258	0
19							0	94	145	271	263	0
20							0	65	182	272	264	0
21							0	26	214	269	261	0
22							0	28	272	267	251	0
23							0	44	291	261	89	0
24							0	41	294	258	0	0
25							0	69	294	258	0	0
26							0	70	293	259	0	0
27							0	70	291	265	0	0
28							0	70	286	261	0	0
29							0	69	274	261	0	0
30					-----		0	64	259	263	0	0
31		-----			-----		-----	65	-----	260	0	-----
TOTAL							0	908.72	4,328	8,311	5,768	0
MEAN							0	29.3	144	268	186	0
MAX							0	94	294	278	273	0
MIN							0	0	55	251	0	0
AC-FT							0	1,800	8,580	16,480	11,440	0
CAL YEAR 1999	MAX	267	MIN	0	AC-FT	27,490						
WTR YEAR 2000	MAX	294	MIN	0	AC-FT	38,310						

# PLATTE RIVER BASIN

**ORCHARD ALFALFA CANAL from Platte River, 00117000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0				0	0	0	1.9	64	75	0
2	0	0				0	0	0	12	66	70	0
3	0	0				0	0	0	21	67	66	0
4	0	0				0	0	0	21	63	66	0
5	0					0	0	0	21	65	66	0
6	0					0	0	0	24	67	65	0
7	0					0	0	0	24	65	64	0
8	0					0	0	0	23	65	66	0
9	0					0	0	0	27	69	67	0
10	0					0	0	0	32	71	69	0
11	0					0	0	0	31	72	70	0
12	0					0	0	0	32	73	69	0
13	0					0	0	0	36	74	73	0
14	0					0	0	0	43	77	77	0
15	0					0	0	0	52	77	72	0
16	0					0	0	0	59	85	61	0
17	0					0	0	.74	59	78	66	0
18	0					0	0	8.4	70	78	71	0
19	0					0	0	11	74	76	70	0
20	0					0	0	18	71	76	69	0
21	0					0	0	3.6	57	73	69	0
22	0					0	0	6.9	63	74	64	0
23	0					0	0	10	65	73	52	0
24	0					0	0	10	67	73	22	0
25	0					0	0	9.0	68	73	1.4	0
26	0					0	0	14	69	72	0	0
27	0					0	0	19	69	74	0	0
28	0					0	0	17	67	75	0	0
29	0					0	0	7.4	71	75	0	0
30	0					0	0	3.0	69	75	0	0
31	0	-----			-----	0	-----	2.4	-----	74	0	-----
TOTAL	0	0				0	0	140.44	1,398.9	2,239	1,580.4	0
MEAN	0	0				0	0	4.53	46.6	72.2	51.0	0
MAX	0	0				0	0	19	74	85	77	0
MIN	0	0				0	0	0	1.9	63	0	0
AC-FT	0	0				0	0	279	2,770	4,440	3,130	0
CAL YEAR 1999	MAX	73	MIN	0	AC-FT	6,040						
WTR YEAR 2000	MAX	85	MIN	0	AC-FT	10,630						



# PLATTE RIVER BASIN

## DAWSON COUNTY CANAL from Platte River, 00037000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0						0	63	159	496	452	77
2	0						0	47	164	494	454	0
3	0						0	0	166	496	453	0
4	0						0	26	143	496	450	0
5	0						0	97	159	479	456	0
6	0						0	99	165	477	456	0
7	0						0	101	154	467	458	0
8	0						0	101	161	441	454	0
9	0						0	102	151	477	462	0
10	0						0	101	136	480	448	0
11	0						0	99	148	478	457	0
12	0						0	99	173	481	458	0
13	0						0	100	194	481	458	0
14	0						0	97	194	484	460	0
15	0						0	85	195	479	452	0
16	0						0	102	249	474	421	0
17	0						0	103	282	487	458	0
18	0						0	101	283	487	458	0
19	0						0	107	298	474	459	0
20	0						0	99	347	472	455	0
21	0						0	112	357	474	453	0
22	0						0	118	393	479	452	0
23	0						0	155	443	478	451	0
24	0						0	157	465	465	435	0
25	0						0	154	458	458	346	0
26	0						0	158	466	454	324	0
27	0						0	160	499	456	303	0
28	0						0	160	492	458	250	0
29	0						0	161	499	453	241	0
30	0				-----		0	162	502	453	248	0
31	0	-----			-----		-----	159	-----	452	242	-----
TOTAL	0						0	3,385	8,495	14,680	12,824	77
MEAN	0						0	109	283	474	414	2.57
MAX	0						0	162	502	496	462	77
MIN	0						0	0	136	441	241	0
AC-FT	0						0	6,710	16,850	29,120	25,440	153
CAL YEAR 1999	MAX	517	MIN	0	AC-FT	61,750						
WTR YEAR 2000	MAX	502	MIN	0	AC-FT	78,270						

# PLATTE RIVER BASIN

## PLATTE RIVER near Cozad, 06766500 - 2000

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,090 cubic feet per second October 1, combined channel flow; minimum daily discharge 14 cubic feet per second August 30 & 31, combined channel flow.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,970	942	596	1,210	702	584	379	431	85	553	279	136
2	1,850	911	601	1,110	734	547	535	448	87	381	144	179
3	1,840	920	571	1,180	1,130	560	559	428	89	315	105	171
4	1,850	914	560	1,090	1,170	583	590	282	70	721	33	161
5	1,890	916	551	1,050	1,080	564	597	140	43	377	60	164
6	1,820	906	546	1,220	958	519	558	127	28	199	67	163
7	1,640	914	548	1,440	856	484	488	216	26	63	60	152
8	1,560	921	526	1,440	852	417	563	221	31	42	36	149
9	1,480	926	577	1,460	857	384	618	303	29	46	34	151
10	1,410	923	612	1,470	896	403	647	484	25	110	23	144
11	1,370	920	394	1,340	942	598	588	425	27	109	87	140
12	1,310	921	325	1,050	941	782	544	279	65	89	131	136
13	1,230	884	466	1,130	919	752	551	142	225	27	170	137
14	1,160	775	548	961	1,010	698	548	114	215	66	259	132
15	1,100	717	569	862	847	636	535	101	177	15	361	130
16	1,020	695	576	845	561	612	539	74	345	15	479	130
17	908	679	711E	791	513	599	544	73	279	38	445	126
18	824	669	811E	768	577	595	489	130	646	126	451	124
19	778	652	651E	795	823	582	495	1,470	672	270	437	124
20	744	615	671E	796	871	562	490	1,490	619	292	505	147
21	705	586	792E	756	898	575	435	540	458	297	579	149
22	660	573	1,110E	773	794	809	480	263	366	313	614	153
23	645	594	1,210E	790	592	663	472	151	181	394	484	152
24	665	627	1,110E	794	566	621	452	126	71	408	233	165
25	736	638	1,100	768	881	701	435	74	63	443	39	174
26	825	627	948	752	955	789	422	138	70	418	58	172
27	853	601	1,020	727	852	838	401	168	184	378	26	164
28	875	588	1,080	686	750	696	353	167	168	419	18	157
29	925	554	1,110	690	655	398	316	143	140	403	16	154
30	962	556	1,170	810E	-----	331	414	118	385	450	14	152
31	955	-----	1,210	709E	-----	300	-----	79	-----	441	14	-----
TOTAL	36,560	22,664	23,270	30,263	24,182	18,182	15,037	9,345	5,869	8,218	6,261	4,488
MEAN	1,179	755	751	976	834	587	501	301	196	265	202	150
MAX	1,970	942	1,210	1,470	1,170	838	647	1,490	672	721	614	179
MIN	645	554	325	686	513	300	316	73	25	15	14	124
AC-FT	72,520	44,950	46,160	60,030	47,960	36,060	29,830	18,540	11,640	16,300	12,420	8,900
CAL YEAR 1999 TOTAL		447,073	MEAN	1,225	MAX	11,700	MIN	114	AC-FT	886,800		
WTR YEAR 2000 TOTAL		204,339	MEAN	558	MAX	1,970	MIN	14	AC-FT	405,300		

E indicates estimated discharge.

## PLATTE RIVER BASIN

## KEARNEY CANAL from Platte River, 00073000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	198	100	0	0	0	0	0	140	164	174	144	164
2	197	128	0	0	0	0	0	136	162	172	170	165
3	194	128	0	0	0	0	0	134	162	168	178	168
4	187	126	0	0	0	0	0	137	162	168	173	168
5	175	124	0	0	26	0	0	132	162	153	173	168
6	164	122	0	0	73	0	0	126	162	105	173	169
7	161	121	0	0	67	0	0	124	162	94	181	160
8	153	121	0	0	29	0	0	134	161	122	197	165
9	145	122	0	0	0	0	0	132	159	117	195	171
10	133	123	0	0	0	0	0	130	155	122	194	168
11	128	122	0	0	0	0	41	134	153	142	193	168
12	132	122	0	0	0	0	66	131	147	158	193	166
13	149	124	0	0	0	0	63	121	136	176	195	162
14	146	126	0	0	0	0	60	114	135	178	197	162
15	140	61	0	0	0	0	58	109	137	177	196	162
16	135	16	0	0	0	0	66	112	134	177	191	160
17	135	15	0	0	0	0	94	101	135	178	189	160
18	133	15	0	0	0	0	100	42	134	179	188	160
19	131	2.9	0	0	0	0	96	89	160	181	189	160
20	126	0	0	0	0	0	99	167	183	180	194	162
21	120	0	0	0	0	0	99	174	175	181	197	162
22	114	0	0	0	0	0	99	161	180	183	179	162
23	112	0	0	0	0	0	99	162	192	184	168	163
24	111	0	0	0	0	0	111	157	182	185	169	164
25	109	0	0	0	0	0	123	157	177	182	170	153
26	106	0	0	0	0	0	118	168	173	182	170	160
27	100	0	0	0	0	0	117	170	161	155	169	162
28	100	0	0	0	0	0	117	168	156	143	170	166
29	96	0	0	0	0	0	126	166	157	154	167	164
30	92	0	0	0	-----	0	135	164	168	156	166	165
31	86	-----	0	0	-----	0	-----	164	-----	155	164	-----
TOTAL	4,208	1,818.9	0	0	195	0	1,887	4,256	4,786	4,981	5,592	4,909
MEAN	136	60.6	0	0	6.72	0	62.9	137	160	161	180	164
MAX	198	128	0	0	73	0	135	174	192	185	197	171
MIN	86	0	0	0	0	0	0	42	134	94	144	153
AC-FT	8,350	3,610	0	0	387	0	3,740	8,440	9,490	9,880	11,090	9,740
CAL YEAR 1999	TOTAL	37,357.5	MEAN	102	MAX	317	MIN	0	AC-FT	74,100		
WTR YEAR 2000	TOTAL	32,632.9	MEAN	89.2	MAX	198	MIN	0	AC-FT	64,730		

# PLATTE RIVER BASIN

**KEARNEY POWER RETURN to Platte River, 00075000 - 2000**

LOCATION.--NEL/4NEL/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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	74					0	114	142	128	105	118
2	164	99					0	103	141	130	96	123
3	162	106					0	84	142	133	114	127
4	164	109					0	108	141	152	113	131
5	152	105					0	109	142	131	115	135
6	144E	104					0	103	141	122	119	137
7	135	103					0	101	140	74	118	135
8	131	103					0	108	139	87	118	131
9	125	103					0	110	139	88	117	138
10	116	104					0	107	135	78	112	139
11	109	103					0	110	132	78	113	140
12	108	102					0	109	162	96	110	140
13	116	101					0	103	163	98	109	138
14	122	104					0	98	120	104	114	136
15	118	97					0	94	118	107	116	136
16	113	18					0	95	116	120	117	137
17	113	0					33	93	116	118	105	135
18	113	0					79	77	118	114	103	135
19	112	0					82	32	150	112	110	134
20	110	0					80	103	208	105	122	137
21	106	0					87	145	148	102	112	136
22	102	0					87	137	140	113	106	136
23	97	0					86	138	160	117	96	136
24	97	0					79	134	157	118	97	141
25	96	0					76	132	152	190	100	140
26	95	0					94	165	147	162	109	135
27	89	0					96	147	143	144	114	137
28	89	0					95	146	128	117	114	136
29	87	0					95	145	129	118	111	139
30	83	0					107	142	128	123	114	136
31	80	-----			-----		-----	142	-----	116	115	-----
TOTAL	3,613	1,535					1,176	3,534	4,237	3,595	3,434	4,054
MEAN	117	51.2					39.2	114	141	116	111	135
MAX	165	109					107	165	208	190	122	141
MIN	80	0					0	32	116	74	96	118
AC-FT	7,170	3,040					2,330	7,010	8,400	7,130	6,810	8,040
CAL YEAR 1999	TOTAL	31,497	MEAN	94.3	MAX	359	MIN	0	AC-FT	62,470		
WTR YEAR 2000	TOTAL	25,178	MEAN	103	MAX	208	MIN	0	AC-FT	49,940		

E indicates estimated discharge.

## PLATTE RIVER BASIN

## PLATTE RIVER near Odessa, 06770000 - 2000

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.  
E indicates estimated daily discharge. 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 4,680 cubic feet per second October 6, gage height 4.92 feet; minimum daily discharge 329 cubic feet per second June 29.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,040	3,120	2,640	3,190	2,750	2,840	2,580	2,130	1,630	590	1,060	504
2	4,030	2,910	2,690	3,150E	2,500	3,210	2,700	1,880	1,500	603	723	552
3	4,040	2,860	2,700	3,100E	3,670	3,370	2,820	1,790	1,510	455	634	667
4	4,140	2,820	2,760	3,110	3,760	3,410	2,690	1,930	1,540	1,890	633	618
5	4,300	2,820	2,630	3,240	3,810	3,420	2,830	1,840	1,430	3,140	653	545
6	4,530	2,840	2,570	3,120	3,800	3,400	2,750	1,680	1,500	2,440	648	597
7	4,500	2,850	2,570	3,290	3,300	3,400	2,680	1,620	1,540	2,060	656	488
8	4,300	2,820	2,620	3,530	2,580	3,530	2,660	1,810	1,480	1,670	627	446
9	4,100	2,830	2,560	3,610	3,240	3,230	2,870	1,750	1,380	1,360	602	909
10	3,980	2,890	2,770	3,700E	3,380	2,890	2,910	1,700	1,170	1,160	543	843
11	3,430	2,810	2,920	3,700E	3,510	2,940	2,760	1,920	1,050	810	538	926
12	2,770	2,860	2,710	3,700E	3,660	3,090	2,550	1,870	1,120	788	522	734
13	3,650	2,890	2,570	3,490	3,710	3,100	2,500	1,590	825	557	551	676
14	3,790	2,890	2,500E	3,310	3,700	2,840	2,530	1,480	691	509	608	685
15	3,800	2,860	2,450E	3,210	3,860	2,440	2,320	1,410	755	511	610	606
16	3,610	2,940	2,400E	3,090	3,640	2,230	2,180	1,370	612	587	512	542
17	3,330	2,910	2,450E	3,010	3,380	2,170	2,070	1,290	636	602	430	551
18	3,160	2,900	2,400E	2,960	3,320	2,530	2,070	979	598	652	358	567
19	3,060	2,780	2,450E	2,960	3,290	2,930	1,950	518	962	655	414	540
20	3,040	2,720	2,500E	2,920	3,520	2,920	1,880	1,290	2,140	700	581	585
21	3,070	2,700	2,560	3,020	3,500	2,910	1,980	2,410	2,190	732	697	503
22	3,000	2,700	2,620	3,150	3,400	2,940	2,150	1,650	1,640	730	660	601
23	2,870	2,640	3,060	3,200	3,560	2,890	2,300	1,200	1,530	722	621	647
24	2,850	2,540	3,310	3,170	3,090	2,510	2,320	994	1,100	734	608	658
25	2,890	2,520	3,460	3,150E	2,960	3,050	2,400	996	872	834	702	386
26	2,920	2,550	3,320	3,100E	3,240	3,360	2,230	1,550	706	674	725	479
27	2,770	2,570	3,250	3,050E	3,350	3,370	2,140	1,770	577	870	673	591
28	2,960	2,530	3,370	3,200E	3,390	3,320	2,050	1,670	399	998	712	596
29	3,030	2,540	3,470	3,300E	3,350	2,820	1,930	1,680	329	1,320	549	658
30	3,140	2,520	3,510	3,240	-----	1,230	2,090	1,660	442	1,410	490	678
31	3,190	-----	3,400	3,270	-----	1,690	-----	1,660	-----	1,290	478	-----
TOTAL	108,290	83,130	87,190	100,240	98,220	89,980	71,890	49,087	33,854	32,053	18,818	18,378
MEAN	3,493	2,771	2,813	3,234	3,387	2,903	2,396	1,583	1,128	1,034	607	613
MAX	4,530	3,120	3,510	3,700	3,860	3,530	2,910	2,410	2,190	3,140	1,060	926
MIN	2,770	2,520	2,400	2,920	2,500	1,230	1,880	518	329	455	358	386
AC-FT	214,800	164,900	172,900	198,800	194,800	178,500	142,600	97,360	67,150	63,580	37,330	36,450
CAL YEAR 1999 TOTAL	1,089,798			2,986		MAX	11,700	MIN	622	AC-FT	2,162,000	
WTR YEAR 2000 TOTAL	791,130			2,162		MAX	4,530	MIN	329	AC-FT	1,569,000	

E indicates estimated discharge.

# PLATTE RIVER BASIN

## WOOD RIVER near Alda, 06772000 - 2000

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 50 cubic feet per second June 16, gage height 5.97 feet; minimum daily discharge zero September 7-30.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	9.4	10	10 E	11E	11	8.9	8.6	13	8.9	14	.85
2	6.1	8.6	11	11 E	13E	10	8.7	10	13	11	11	1.8
3	6.5	9.5	11	12 E	15E	10	8.2	9.5	10	11	12	2.6
4	6.1	9.2	12	10 E	14E	9.4	7.7	9.3	9.3	27	16	.71
5	5.9	8.5	11 E	8.4E	14E	9.2	7.3	9.2	7.9	18	14	.05
6	6.6	9.0	10 E	11 E	15E	8.7	7.0	9.0	6.9	30	11	.30
7	6.3	9.1	10 E	12 E	16E	8.4	7.2	9.1	6.7	31	11	0
8	5.9	8.7	11 E	13 E	16E	9.1	8.2	11	6.7	21	11	0
9	6.8	9.2	10 E	14 E	17E	11	9.1	14	6.7	13	9.3	0
10	7.0	9.1	9.4E	13 E	16E	12	9.1	13	6.7	11	11	0
11	7.0	9.0	8.6E	14 E	14E	11	8.5	10	6.3	8.6	10	0
12	7.0	8.9	9.0E	13 E	13E	9.2	9.6	9.0	6.2	11	8.7	0
13	6.6	8.9	8.6E	12 E	13E	7.8	9.4	8.0	6.0	17	7.9	0
14	7.6	9.0	8.2E	14 E	14E	7.3	8.7	7.2	6.0	19	7.9	0
15	7.4	9.2	8.4E	13 E	14E	6.9	9.3	7.6	7.1	17	8.6	0
16	7.4	9.1	8.0E	15 E	15E	6.9	11	7.6	34	24	8.9	0
17	7.0	9.3	7.4E	14 E	14E	6.5	11	7.7	27	26	11	0
18	7.0	10	7.6E	15 E	15E	7.1	10	8.5	16	27	11	0
19	7.2	10	8.0E	14 E	14E	7.0	9.3	8.7	12	18	8.5	0
20	7.4	11	7.6E	12 E	16E	7.4	11	8.0	9.9	12	6.4	0
21	8.0	11	7.4E	13 E	17E	6.9	10	8.4	15	12	7.4	0
22	7.8	11	8.0E	14 E	18	6.7	9.7	8.8	23	12	7.4	0
23	7.8	12	8.8E	15 E	17	7.2	9.5	7.9	18	12	5.3	0
24	8.3	11	10 E	13 E	17	8.0	9.2	8.1	13	9.8	4.3	0
25	9.2	10 E	9.6E	12 E	15	8.9	9.3	9.1	8.8	6.8	4.9	0
26	9.4	11	9.4E	13 E	14	9.3	11	12	8.2	6.0	4.2	0
27	8.3	11	10 E	14 E	13	9.0	11	13	8.2	7.2	3.9	0
28	8.1	12	11 E	15 E	12	8.6	9.1	14	7.4	10	3.5	0
29	8.7	11	10 E	14 E	11	9.4	9.5	11	7.6	17	2.8	0
30	8.9	11	11 E	13 E	-----	9.4	9.4	8.6	9.1	31	2.0	0
31	8.5	-----	9.0E	12 E	-----	9.1	-----	8.0	-----	20	2.2	-----
TOTAL	227.7	295.7	291.0	398.4	423	268.4	276.9	293.9	335.7	505.3	257.1	6.31
MEAN	7.35	9.86	9.39	12.9	14.6	8.66	9.23	9.48	11.2	16.3	8.29	.21
MAX	9.4	12	12	15	18	12	11	14	34	31	16	2.6
MIN	5.9	8.5	7.4	8.4	11	6.5	7.0	7.2	6.0	6.0	2.0	0
AC-FT	452	587	577	790	839	532	549	583	666	1,000	510	13
CAL YEAR 1999 TOTAL	8,328.80		MEAN	22.8	MAX	281	MIN	3.5	AC-FT	16,520		
WTR YEAR 2000 TOTAL	3,579.41		MEAN	9.78	MAX	34	MIN	0	AC-FT	7,100		

E indicates estimated discharge.

**PLATTE RIVER BASIN  
( LOUP RIVER )**

**SARGENT CANAL from Middle Loup River, 00130000 - 2000**

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

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

PERIOD OF RECORD.--1957 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	177	141	101
2									0	199	185	93
3									0	205	215	93
4									0	211	209	88
5									0	211	191	75
6									0	211	186	74
7									0	211	204	81
8									0	229	229	83
9									0	234	242	74
10									0	234	246	68
11									0	235	248	69
12									0	233	221	69
13									0	235	212	21
14									0	243	217	0
15									0	244	217	0
16									0	242	222	0
17									0	251	215	0
18									0	258	200	0
19									51	254	177	0
20									53	243	167	0
21									51	228	166	0
22									65	171	156	0
23									72	119	169	0
24									72	100	182	0
25									72	92	190	0
26									72	105	174	0
27									72	129	165	0
28									84	103	174	0
29									92	79	155	0
30					-----				115	81	137	0
31		-----			-----		-----		-----	98	116	-----
TOTAL									871	5,865	5,928	989
MEAN									29.0	189	191	33.0
MAX									115	258	248	101
MIN									0	79	116	0
AC-FT									1,730	11,630	11,760	1,960
CAL YEAR 1999	MAX	258	MIN	0	AC-FT	22,410						
WTR YEAR 2000	MAX	258	MIN	0	AC-FT	27,080						

# PLATTE RIVER BASIN ( LOUP RIVER )

MIDDLE LOUP CANAL NO. 1 from Middle Loup River, 00090000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	16	34	30	21
2								0	16	36	36	20
3								0	16	37	39	20
4								0	16	38	40	22
5								0	17	36	40	23
6								0	17	34	39	25
7								0	16	33	38	25
8								0	17	32	37	25
9								15	13	33	35	24
10								13	15	36	34	24
11								17	18	40	33	23
12								18	18	41	32	22
13								18	11	41	33	20
14								18	13	40	33	19
15								19	13	39	33	9.1
16								20	13	39	33	0
17								20	13	40	34	0
18								21	14	39	34	0
19								20	14	39	35	0
20								19	14	39	36	0
21								19	15	40	34	0
22								20	15	30	31	0
23								19	17	31	32	0
24								19	18	36	35	0
25								19	19	36	33	0
26								19	25	38	29	0
27								18	30	40	28	0
28								18	31	33	29	0
29								17	31	26	24	0
30					-----			16	31	26	19	0
31		-----			-----		-----	16	-----	27	21	-----
TOTAL								418	532	1,109	1,019	322.1
MEAN								13.5	17.7	35.8	32.9	10.7
MAX								21	31	41	40	25
MIN								0	11	26	19	0
AC-FT								829	1,060	2,200	2,020	639
CAL YEAR 1999	MAX	44	MIN	0	AC-FT	5,450						
WTR YEAR 2000	MAX	41	MIN	0	AC-FT	6,740						



# PLATTE RIVER BASIN ( LOUP RIVER )

MIDDLE LOUP CANAL NO. 1 PUMP from Middle Loup River, 00090200 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										3.0	0	
2										9.0	0	
3										9.0	3.8	
4										9.0	9.0	
5										9.0	9.0	
6										9.0	9.0	
7										9.0	9.0	
8										3.4	9.0	
9										0	9.0	
10										0	9.0	
11										0	9.0	
12										3.6	9.0	
13										9.0	9.0	
14										9.0	9.0	
15										9.0	9.0	
16										9.0	9.0	
17										9.0	9.0	
18										9.0	9.0	
19										9.0	9.0	
20										9.0	3.9	
21										3.0	0	
22										0	0	
23										0	0	
24										0	0	
25										0	0	
26										0	0	
27										0	0	
28										0	0	
29										0	0	
30										0	0	
31		-----			-----		-----		-----	0	0	-----
TOTAL										139.0	151.7	
MEAN										4.48	4.89	
MAX										9.0	9.0	
MIN										0	0	
AC-FT										276	301	
CAL YEAR 1999	MAX	9.0	MIN	0	AC-FT	487						
WTR YEAR 2000	MAX	9.0	MIN	0	AC-FT	577						

# PLATTE RIVER BASIN ( LOUP RIVER )

MIDDLE LOUP CANAL NO. 2 from Middle Loup River, 00091000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	18	21	28	32	30
2							0	15	21	31	31	27
3							0	15	20	32	34	29
4							0	15	20	35	43	29
5							0	18	19	35	51	29
6							0	20	18	36	56	28
7							0	20	18	33	59	28
8							0	20	18	37	68	28
9							0	19	21	43	68	28
10							0	16	23	41	67	28
11							0	16	24	42	67	29
12							0	17	25	46	67	27
13							0	17	19	51	66	26
14							0	17	19	48	55	24
15							0	17	18	47	56	11
16							0	20	18	50	54	0
17							0	22	17	52	54	0
18							0	25	19	50	48	0
19							0	26	18	51	45	0
20							0	25	18	53	40	0
21							0	24	20	52	34	0
22							0	20	20	26	36	0
23							0	20	20	28	35	0
24							0	20	20	29	35	0
25							0	20	20	29	36	0
26							21	20	23	32	37	0
27							29	18	23	34	36	0
28							23	18	22	33	36	0
29							21	21	22	31	30	0
30					-----		20	21	23	31	32	0
31		-----			-----		20	21	21	31	34	-----
TOTAL							114	601	607	1,197	1,442	401
MEAN							3.80	19.4	20.2	38.6	46.5	13.4
MAX							29	26	25	53	68	30
MIN							0	15	17	26	30	0
AC-FT							226	1,190	1,200	2,370	2,860	795
CAL YEAR 1999	MAX	55	MIN	0	AC-FT	6,710						
WTR YEAR 2000	MAX	68	MIN	0	AC-FT	8,650						

**PLATTE RIVER BASIN  
( LOUP RIVER )**

**MIDDLE LOUP CANAL NO. 3 from Middle Loup River, 00092000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	37	123	116	72
2								0	37	128	113	71
3								35	36	128	112	71
4								63	36	81	112	70
5								55	37	38	111	71
6								46	37	53	111	71
7								47	35	105	113	70
8								47	43	116	120	70
9								47	70	113	118	71
10								47	104	109	122	71
11								46	117	112	124	70
12								49	123	116	127	70
13								57	117	117	126	68
14								57	112	128	126	68
15								57	123	115	126	29
16								58	110	121	125	0
17								57	112	127	122	0
18								58	113	129	119	0
19								59	116	118	111	0
20								57	113	104	111	0
21								48	117	106	112	0
22								43	130	97	118	0
23								42	134	99	119	0
24								42	126	102	120	0
25								43	118	99	122	0
26								43	120	94	122	0
27								43	125	96	112	0
28								42	134	97	100	0
29								42	137	99	85	0
30					-----			42	134	100	72	0
31		-----			-----		-----	43	-----	108	71	-----
TOTAL								1,415	2,903	3,278	3,518	1,013
MEAN								45.6	96.8	106	113	33.8
MAX								63	137	129	127	72
MIN								0	35	38	71	0
AC-FT								2,810	5,760	6,500	6,980	2,010
CAL YEAR 1999	MAX	153	MIN	0	AC-FT	19,460						
WTR YEAR 2000	MAX	137	MIN	0	AC-FT	24,050						

# PLATTE RIVER BASIN ( LOUP RIVER )

MIDDLE LOUP CANAL NO. 4 from Middle Loup River, 00093000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	64	34	121	98	56
2							0	62	35	121	109	54
3							0	53	35	125	112	52
4							0	46	35	87	113	50
5							0	45	37	63	112	48
6							0	42	43	71	113	46
7							0	41	47	93	112	46
8							0	40	54	107	109	46
9							0	40	63	114	110	46
10							0	41	68	110	111	46
11							0	42	81	105	111	46
12							0	41	95	105	110	45
13							0	42	98	112	110	44
14							0	43	97	124	109	44
15							0	45	97	126	108	17
16							0	47	96	127	106	0
17							0	48	101	127	106	0
18							0	45	106	120	105	0
19							0	42	109	107	105	0
20							0	41	108	103	102	0
21							0	40	110	102	96	0
22							0	42	113	72	88	0
23							0	42	111	69	87	0
24							0	42	112	67	86	0
25							0	43	113	71	87	0
26							0	42	113	75	73	0
27							0	42	115	77	61	0
28							0	42	123	77	62	0
29							33	40	124	79	62	0
30					-----		46	34	124	80	59	0
31		-----			-----		-----	32	-----	88	58	-----
TOTAL							79	1,351	2,597	3,025	2,990	686
MEAN							2.63	43.6	86.6	97.6	96.5	22.9
MAX							46	64	124	127	113	56
MIN							0	32	34	63	58	0
AC-FT							157	2,680	5,150	6,000	5,930	1,360
CAL YEAR 1999	MAX	116	MIN	0	AC-FT	17,030						
WTR YEAR 2000	MAX	127	MIN	0	AC-FT	21,280						

# PLATTE RIVER BASIN ( LOUP RIVER )

**FARWELL (SHERMAN FEEDER) CANAL from Middle Loup River, 00047000 - 2000**

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	350						0	341	298	409	391	372
2	352						0	343	297	350	308	373
3	352						0	343	298	303	255	374
4	352						0	341	299	388	195	372
5	348						0	341	300	444	157	367
6	347						0	344	334	440	180	366
7	249						0	344	352	431	214	366
8	62						0	341	364	342	200	368
9	0						0	339	362	347	165	368
10	0						0	340	363	313	151	369
11	0						0	342	341	295	161	371
12	0						0	345	399	301	137	371
13	0						0	341	457	312	130	368
14	0						0	338	449	258	142	366
15	0						0	340	459	198	167	369
16	0						0	342	464	185	176	379
17	0						88	378	401	186	161	380
18	0						178	408	250	219	188	380
19	0						259	404	414	217	206	380
20	0						325	406	454	224	211	379
21	0						348	407	457	249	260	379
22	0						343	445	422	362	276	379
23	0						376	464	386	442	274	379
24	0						361	488	403	448	274	378
25	0						357	502	424	441	258	374
26	0						351	510	419	448	283	368
27	0						353	509	375	428	305	360
28	0						351	507	383	410	317	368
29	0						323	383	410	421	346	369
30	0				-----		354	300	423	425	371	371
31	0	-----			-----		-----	300	-----	424	361	-----
TOTAL	2,412						4,367	11,876	11,457	10,660	7,220	11,163
MEAN	77.8						146	383	382	344	233	372
MAX	352						376	510	464	448	391	380
MIN	0						0	300	250	185	130	360
AC-FT	4,780						8,660	23,560	22,720	21,140	14,320	22,140
CAL YEAR 1999	MAX	411	MIN	0	AC-FT	94,190						
WTR YEAR 2000	MAX	510	MIN	0	AC-FT	117,300						

# PLATTE RIVER BASIN ( LOUP RIVER )

MIDDLE LOUP CANAL NO. 4 from Sherman Feeder Canal, 00093200 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											1.7	
2											2.9	
3											0	
4											4.1	
5											3.5	
6											0	
7											0	
8											2.5	
9											7.0	
10											7.6	
11											3.2	
12											0	
13											0	
14											2.7	
15											7.2	
16											6.3	
17											0	
18											0	
19											0	
20											0	
21											0	
22											0	
23											0	
24											0	
25											0	
26											0	
27											0	
28											0	
29											0	
30					-----						0	
31		-----			-----		-----		-----		0	-----
TOTAL											48.7	
MEAN											1.57	
MAX											7.6	
MIN											0	
AC-FT											97	
CAL YEAR 1999	MAX	10	MIN	0	AC-FT	193						
WTR YEAR 2000	MAX	7.6	MIN	0	AC-FT	97						

# PLATTE RIVER BASIN ( LOUP RIVER )

## MUD CREEK near Sweetwater, 06783500 - 2000

LOCATION.--N1/4SE1/4 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 362 cubic feet per second July 4, gage height 10.25 feet; minimum daily discharge 3.8 cubic feet per second August 12.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	24	25	23E	24E	33	29	32	23	7.9	15	7.4
2	19	24	25	24E	26E	32	29	31	22	8.8	11	7.2
3	19	23	25	24E	27E	32	29	32	23	8.9	7.0	7.1
4	20	23	26	23E	30E	32	29	33	22	226	6.1	7.2
5	20	24	26	20E	28E	31	29	29	21	64	7.7	7.4
6	21	24	24E	21E	30E	31	29	27	20	33	6.5	8.0
7	21	24	22E	22E	31E	30	29	27	20	22	7.1	8.2
8	22	24	23E	24E	30E	32	28	29	20	20	7.3	7.4
9	22	24	23E	25E	29E	32	29	30	19	17	6.9	7.5
10	23	24	22E	24E	28E	31	29	26	18	17	6.6	7.7
11	23	24	21E	26E	27E	31	28	26	18	15	5.8	7.7
12	23	24	20E	27E	26E	32	28	25	18	22	3.8	8.3
13	23	23	21E	25E	28E	30	27	24	20	20	4.4	8.8
14	23	24	22E	28E	28E	29	28	24	20	14	4.4	7.7
15	24	24	21E	29E	30E	29	28	24	20	11	5.3	7.4
16	23	24	22E	29E	31E	28	29	24	30	10	5.3	7.2
17	24	24	23E	33E	32E	28	29	23	29	10	5.5	7.4
18	24	24	24E	40E	31E	29	29	24	20	8.7	4.2	7.3
19	24	24	25E	38E	29E	30	29	23	18	9.2	6.9	7.8
20	24	24	23E	30E	33E	30	30	41	18	9.1	6.3	8.1
21	25	24	23E	27E	34E	29	29	62	16	7.9	6.3	8.1
22	25	25	24E	29E	35	29	29	32	13	24	7.0	8.5
23	24	25	25E	30E	35	30	29	27	13	12	6.9	9.5
24	24	26	24E	28E	37	32	29	24	11	12	6.4	9.9
25	24	26	25E	27E	36	32	32	23	10	13	6.9	10
26	24	26	26E	28E	36	31	33	23	8.9	13	6.0	11
27	24	26	25E	29E	35	32	32	25	9.2	12	6.7	11
28	25	26	24E	30E	34	31	31	25	9.7	10	9.3	9.9
29	24	26	25E	28E	34	30	32	24	7.9	14	9.5	9.5
30	24	25	24E	27E	-----	29	30	26	10	14	9.8	9.5
31	24	-----	23E	25E	-----	29	-----	24	-----	14	9.0	-----
TOTAL	708	732	731	843	894	946	880	869	527.7	699.5	216.9	249.7
MEAN	22.8	24.4	23.6	27.2	30.8	30.5	29.3	28.0	17.6	22.6	7.00	8.32
MAX	25	26	26	40	37	33	33	62	30	226	15	11
MIN	19	23	20	20	24	28	27	23	7.9	7.9	3.8	7.1
AC-FT	1,400	1,450	1,450	1,670	1,770	1,880	1,750	1,720	1,050	1,390	430	495
CAL YEAR 1999	TOTAL	17,302.0	MEAN	47.4	MAX	853	MIN	14	AC-FT	34,320		
WTR YEAR 2000	TOTAL	8,296.8	MEAN	22.7	MAX	226	MIN	3.8	AC-FT	16,460		

E indicates estimated discharge.

# PLATTE RIVER BASIN ( LOUP RIVER )

**SHERMAN RESERVOIR from the Middle Loup River, 06784200 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52,720	54,670	53,550	52,240	51,060	50,350	49,420	55,170	70,230	61,810	54,920	35,090
2	52,970	54,670	53,210	52,240	51,060	50,580	49,420	55,670	69,940	61,340	55,170	34,910
3	53,550	54,670	53,210	52,000	51,060	50,580	49,420	56,170	69,940	60,540	55,170	34,910
4	54,430	54,670	53,210	52,000	51,060	50,580	49,420	56,680	69,940	60,280	55,170	34,910
5	55,170	54,430	53,210	52,240	51,060	50,580	49,420	57,180	69,940	60,540	54,920	35,090
6	55,670	54,430	53,210	52,000	51,060	50,350	49,190	57,690	69,650	60,810	54,190	35,650
7	56,470	54,430	53,210	52,000	50,820	50,350	49,190	58,460	69,650	61,340	53,550	36,020
8	56,420	54,430	52,970	52,000	51,060	50,580	49,190	58,720	69,650	60,610	52,480	36,970
9	56,420	54,430	52,970	52,000	51,060	50,110	49,190	59,280	69,650	60,610	51,290	37,740
10	56,420	54,180	52,970	52,000	50,820	50,350	48,960	59,500	69,650	61,870	49,880	38,330
11	56,420	54,180	52,970	51,768	50,820	50,350	48,960	60,280	69,360	61,340	48,500	38,910
12	56,170	54,180	52,970	51,530	50,820	50,110	48,960	60,540	69,360	60,540	47,140	39,310
13	56,170	54,180	52,970	51,530	50,820	50,110	48,960	60,810	69,360	59,750	46,030	40,120
14	55,920	54,180	52,720	51,770	50,820	50,110	48,960	61,340	69,360	58,460	45,150	40,520
15	55,920	54,180	52,720	51,770	50,820	49,880	48,730	61,870	69,360	57,430	44,070	41,540
16	55,920	53,940	52,720	51,770	50,580	49,880	48,730	62,400	69,080	55,920	43,010	42,170
17	55,670	53,940	52,720	51,770	50,820	49,880	48,730	62,940	69,080	54,920	41,960	42,800
18	55,670	53,940	52,720	51,530	50,580	49,880	48,730	63,220	68,790	53,940	40,930	43,640
19	55,670	53,940	52,480	51,530	50,580	49,880	48,730	63,760	68,210	52,970	39,910	44,070
20	55,420	53,940	52,480	51,530	50,580	49,880	48,730	64,580	67,650	52,480	38,910	44,500
21	55,420	53,700	52,720	51,530	50,580	49,650	49,650	65,400	67,370	51,770	37,940	45,151
22	55,420	53,700	52,480	51,530	50,580	49,650	50,110	65,960	67,090	51,530	37,540	46,030
23	55,170	53,700	52,480	51,530	50,580	49,880	50,580	66,530	66,250	51,530	37,350	46,480
24	55,170	53,550	52,480	51,530	50,580	49,880	51,060	67,090	65,970	51,770	37,160	47,140
25	55,170	53,550	52,480	51,290	50,820	49,880	51,770	67,650	65,400	52,240	36,780	47,590
26	55,170	53,550	52,240	51,290	50,580	49,880	52,480	68,790	64,860	52,720	36,590	48,270
27	54,920	53,550	52,240	51,290	50,580	49,650	52,970	69,080	64,310	52,970	36,210	48,730
28	54,920	53,550	52,240	51,290	50,580	49,650	53,550	69,650	63,490	53,210	35,840	49,420
29	54,920	53,550	52,480	51,290	50,580	49,650	53,490	69,940	62,940	53,550	35,650	50,110
30	54,920	53,550	52,240	51,290	-----	49,650	54,670	70,520	62,140	53,940	35,460	50,820
31	54,670	-----	52,240	51,290	-----	49,650	-----	70,520	-----	54,430	35,280	-----
MAX	56,470	54,670	53,550	52,240	51,060	50,580	54,670	70,520	70,230	61,870	55,170	50,820
MIN	52,720	53,550	52,240	51,290	50,580	49,650	48,730	55,170	62,140	51,530	35,280	34,910
CHANGE	3,850	-1,120	-1,310	-950	-710	-930	5,020	15,850	-8,380	-7,710	-19,150	15,540
CAL YEAR 1999			MEAN	54,754	MAX	70,500	MIN	40,700				
WTR YEAR 2000			MEAN	53,206	MAX	70,520	MIN	34,910				



# PLATTE RIVER BASIN ( LOUP RIVER )

**FARWELL "MAIN" CANAL from Sherman Reservoir, 00048000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	127	424	85	248
2								0	127	422	98	212
3								0	127	433	103	202
4								0	127	148	143	179
5								0	141	60	223	57
6								0	160	85	252	0
7								0	168	132	416	0
8								0	182	178	531	0
9								0	189	189	554	0
10								0	202	327	547	0
11								0	212	460	516	0
12								0	221	514	449	0
13								0	235	550	431	0
14								0	262	533	422	0
15								0	292	503	407	0
16								0	315	495	412	0
17								0	363	471	417	0
18								0	378	435	412	0
19								0	386	381	402	0
20								0	391	358	398	0
21								0	410	337	276	0
22								0	431	222	218	0
23								0	436	170	206	0
24								0	442	138	229	0
25								0	442	130	254	0
26								66	447	168	220	0
27								102	458	216	208	0
28								102	464	123	213	0
29								103	452	80	231	0
30					-----			103	436	80	242	0
31		-----			-----		-----	118	-----	80	256	-----
TOTAL								594	9,023	8,842	9,771	898
MEAN								19.2	301	285	315	29.9
MAX								118	464	550	554	248
MIN								0	127	60	85	0
AC-FT								1,180	17,900	17,540	19,380	1,780
CAL YEAR 1999	MAX	504	MIN	0	AC-FT	43,830						
WTR YEAR 2000	MAX	554	MIN	0	AC-FT	57,780						

# PLATTE RIVER BASIN ( LOUP RIVER )

FARWELL "SOUTH" CANAL from Sherman Reservoir, 00049000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	76	214	55	144
2								0	75	214	90	115
3								0	75	227	122	107
4								0	76	91	161	84
5								0	76	45	196	23
6								0	82	48	201	0
7								0	88	48	237	0
8								0	92	54	264	0
9								0	99	56	272	0
10								0	103	123	264	0
11								0	101	199	246	0
12								0	106	245	208	0
13								0	113	273	197	0
14								0	126	287	194	0
15								0	127	275	203	0
16								0	148	271	209	0
17								0	175	250	211	0
18								0	182	218	206	0
19								0	182	192	206	0
20								0	191	172	206	0
21								0	203	153	188	0
22								0	219	74	160	0
23								0	234	47	144	0
24								0	235	42	155	0
25								0	235	40	164	0
26								40	232	40	167	0
27								60	232	54	167	0
28								59	235	59	152	0
29								59	225	45	140	0
30					-----			59	211	40	142	0
31		-----			-----		-----	70	-----	40	144	-----
TOTAL								347	4,554	4,136	5,671	473
MEAN								11.2	152	133	183	15.8
MAX								70	235	287	272	144
MIN								0	75	40	55	0
AC-FT								688	9,030	8,200	11,250	938
CAL YEAR 1999	MAX	263	MIN	0	AC-FT	23,620						
WTR YEAR 2000	MAX	287	MIN	0	AC-FT	30,110						

# PLATTE RIVER BASIN (LOUP RIVER)

**TURKEY CREEK near Dannebrog, 06784800 - 2000**

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 records 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 235 cubic feet per second July 28, gage height 8.97 feet, minimum daily discharge 3.9 cubic feet per second May 25 and September 30.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	12	10	10	7.6E	11	10	12	7.6	15	20	18
2	9.3	12	11	10	7.8E	11	10	11	7.0	14	20	17
3	9.2	13	11	9.0E	8.4E	10	10	11	6.9	14	20	16
4	8.9	13	11	8.0E	8.2E	10	9.9	11	6.8	7.1	18	16
5	8.8	13	9.1	7.6E	8.6E	10	10	10	6.7	29	17	15
6	8.7	12	8.6E	8.0E	8.8E	10	10	10	6.5	11	19	12
7	9.6	12	8.8E	8.2E	9.0E	10	9.7	10	5.3	13	19	14
8	10	12	9.2E	8.0E	9.0E	12	9.6	11	5.7	17	22	11
9	9.7	12	9.0E	8.4E	9.2E	12	9.5	10	6.0	17	26	6.7
10	9.4	11	9.2E	8.8E	9.4E	9.5	9.8	9.5	6.2	17	29	5.4
11	10	10	9.2E	8.8E	8.6E	9.5	9.8	9.2	4.1	15	29	6.1
12	11	9.2	9.0E	9.0E	7.6E	9.4	9.5	8.7	5.2	18	30	5.0
13	12	8.5	9.2E	9.2E	7.8E	9.8	9.5	8.0	6.9	17	30	4.5
14	12	6.7	9.0E	9.0E	8.2E	9.5	11	7.6	9.3	21	30	4.7
15	13	6.4	9.4E	9.2E	8.8E	10	11	7.6	12	26	29	5.0
16	13	6.7	9.0E	8.8E	8.6E	9.5	14	7.6	14	25	26	5.4
17	13	7.4	8.6E	8.6E	8.4E	9.4	13	6.7	13	28	27	4.9
18	14	9.4	8.8E	9.8	8.2E	11	13	6.4	18	29	29	4.6
19	14	8.4	8.0E	11	9.0E	12	13	7.3	19	25	39	4.6
20	13	8.2	7.4E	9.0E	10 E	12	13	7.3	19	22	36	4.5
21	13	8.7	8.0E	8.4E	11	11	12	6.8	18	21	33	4.8
22	12	8.9	8.4E	8.6E	12	11	12	5.6	20	56	26	4.7
23	11	10	8.2E	9.0E	17	13	12	5.3	17	36	22	4.7
24	10	10	8.6E	8.6E	20	21	11	5.1	16	21	18	5.4
25	11	9.7	9.7	8.0E	15	15	13	3.9	11	18	17	5.2
26	11	10	11	8.4E	14	13	13	5.6	11	19	33	4.9
27	11	10	11	8.2E	11	12	12	7.6	9.9	21	23	4.4
28	12	10	11	8.0E	10	12	11	7.1	12	134	20	4.2
29	13	9.1	11	8.2E	11	11	10	6.4	17	77	19	4.0
30	12	9.8	11	7.8E	-----	11	11	7.7	19	23	16	3.9
31	12	-----	9.8	7.8E	-----	11	-----	8.6	-----	21	17	-----
TOTAL	345.4	299.1	292.2	269.4	292.2	348.6	332.3	251.6	336.1	891	759	226.6
MEAN	11.1	9.97	9.43	8.69	10.1	11.2	11.1	8.12	11.2	28.7	24.5	7.55
MAX	14	13	11	11	20	21	14	12	20	134	39	18
MIN	8.7	6.4	7.4	7.6	7.6	9.4	9.5	3.9	4.1	11	16	3.9
AC-FT	685	593	580	534	580	691	659	499	667	1,770	1,510	449
CAL YEAR 1999	TOTAL	8,828.10	MEAN	24.2	MAX	385	MIN	6.4	AC-FT	17,510		
WTR YEAR 2000	TOTAL	4,643.50	MEAN	12.7	MAX	134	MIN	3.9	AC-FT	9,210		

E indicates estimated discharge.

# PLATTE RIVER BASIN ( LOUP RIVER )

**TAYLOR-ORD CANAL from North Loup River, 00107000 - 2000**

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 1999 TO SEP 2000												
Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								62	64	189	129	108
2								127	65	189	138	105
3								69	65	188	137	102
4								66	65	202	147	104
5								60	65	202	155	94
6								60	63	201	162	86
7								60	64	198	174	82
8								59	64	200	195	87
9								60	65	203	200	85
10								61	65	210	201	85
11								60	65	213	200	75
12								60	66	214	200	3.8
13								60	64	217	203	0
14								61	63	226	200	0
15								64	63	226	199	0
16								70	64	228	202	0
17								78	67	232	199	0
18								67	66	228	196	0
19								66	72	232	197	0
20								64	73	232	196	0
21								65	91	234	189	0
22								63	108	219	184	0
23								62	130	197	178	0
24								62	130	186	171	0
25								64	139	181	175	0
26								66	156	170	158	0
27								65	152	169	131	0
28								67	148	142	121	0
29								65	155	134	124	0
30					-----			64	174	133	113	0
31		-----			-----		-----	64	-----	129	106	-----
TOTAL								2,041	2,691	6,124	5,280	1,016.8
MEAN								65.8	89.7	198	170	33.9
MAX								127	174	234	203	108
MIN								59	63	129	106	0
AC-FT								4,050	5,340	12,150	10,470	2,020
CAL YEAR 1999	MAX	213	MIN	0	AC-FT	27,880						
WTR YEAR 2000	MAX	234	MIN	0	AC-FT	34,020						

# PLATTE RIVER BASIN ( LOUP RIVER )

**TAYLOR-ORD CANAL inlet to Mirdan Canal, 00107100 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	39	134	99	73
2								34	41	135	99	76
3								71	40	131	98	76
4								52	40	138	99	79
5								39	42	139	99	75
6								31	40	141	105	61
7								34	41	143	106	52
8								34	42	137	114	53
9								35	42	134	117	54
10								35	46	139	118	54
11								25	44	136	119	54
12								30	47	132	123	21
13								29	50	127	126	6.0
14								31	48	133	129	0
15								24	45	138	127	0
16								20	44	139	126	0
17								31	47	138	125	0
18								41	49	135	126	0
19								30	53	140	128	0
20								32	68	143	130	0
21								31	87	145	131	0
22								32	97	145	134	0
23								30	115	143	138	0
24								30	116	134	131	0
25								33	116	143	125	0
26								37	125	130	125	0
27								37	128	132	109	0
28								36	127	124	81	0
29								35	123	111	72	0
30					-----			39	133	112	78	0
31		-----			-----		-----	37	-----	106	75	-----
TOTAL								1,035	2,075	4,157	3,512	734.0
MEAN								33.4	69.2	134	113	24.5
MAX								71	133	145	138	79
MIN								0	39	106	72	0
AC-FT								2,050	4,120	8,250	6,970	1,460
CAL YEAR 1999	MAX	135	MIN	0	AC-FT	17,530						
WTR YEAR 2000	MAX	145	MIN	0	AC-FT	22,840						

# PLATTE RIVER BASIN ( LOUP RIVER )

**TAYLOR-ORD CANAL outlet from Mirdan Canal, 00107200 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	34	53	68	51
2								0	35	60	70	53
3								49	35	58	71	53
4								42	36	56	67	59
5								25	37	57	61	65
6								12	37	57	62	58
7								7.6	37	56	63	49
8								11	36	57	66	45
9								25	33	63	70	44
10								32	37	66	72	44
11								33	40	64	72	37
12								31	42	64	75	10
13								28	44	67	79	0
14								28	42	71	75	0
15								29	40	70	70	0
16								20	39	68	76	0
17								25	36	67	82	0
18								33	40	69	81	0
19								30	39	69	84	0
20								28	45	69	87	0
21								28	35	70	88	0
22								27	23	68	89	0
23								28	18	64	86	0
24								25	24	68	80	0
25								25	26	69	80	0
26								28	33	70	83	0
27								30	38	71	81	0
28								31	36	69	64	0
29								32	43	70	47	0
30					-----			33	47	70	49	0
31		-----			-----		-----	34	-----	67	49	-----
TOTAL								809.6	1,087	2,017	2,247	568
MEAN								26.1	36.2	65.1	72.5	18.9
MAX								49	47	71	89	65
MIN								0	18	53	47	0
AC-FT								1,610	2,160	4,000	4,460	1,130
CAL YEAR 1999	MAX	88	MIN	0	AC-FT	13,620						
WTR YEAR 2000	MAX	89	MIN	0	AC-FT	13,350						

# PLATTE RIVER BASIN ( LOUP RIVER )

**KENT CANAL from North Loup River, 00076500 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	293	0			
2							0	293	0			
3							0	295	0			
4							0	292	0			
5							0	287	0			
6							0	291	0			
7							0	287	0			
8							0	293	0			
9							0	294	0			
10							21	306	0			
11							64	317	0			
12							78	269	0			
13							80	178	0			
14							80	173	0			
15							90	167	0			
16							105	176	0			
17							136	184	0			
18							189	174	0			
19							230	169	0			
20							250	176	0			
21							245	178	0			
22							244	173	0			
23							243	172	0			
24							276	176	0			
25							306	178	0			
26							305	179	83			
27							304	176	177			
28							301	176	183			
29							296	173	192			
30							295	143	31			
31		-----			-----		-----	44	-----			-----
TOTAL							4,138	6,682	666			
MEAN							138	216	22.2			
MAX							306	317	192			
MIN							0	44	0			
AC-FT							8,210	13,250	1,320			
CAL YEAR 1999	MAX	267	MIN	0	AC-FT	9,790						
WTR YEAR 2000	MAX	317	MIN	0	AC-FT	22,780						

# PLATTE RIVER BASIN ( LOUP RIVER )

**CALAMUS RIVER near Harrop, 06787000 - 2000**

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

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

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 1,380 cubic feet per second May 28, 1995, gage height 4.68 feet; maximum gage height 5.34 feet March 29, 1987 due to backwater from ice; minimum daily discharge 90 cubic feet per second January 7, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharge 547 cubic feet per second May 20, gage height 3.90 feet; maximum gage height 4.81 feet January 4 due to backwater from ice; minimum daily discharge 198 cubic feet per second December 13.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	240	249	273	282	257	312	262	347	278	262	260	224
2	239	236	277	271	271	312	263	350	269	254	256	230
3	237	238	267	269	274	314	249	348	264	260	249	243
4	243	247	264	230E	261	316	244	309	258	330E	241	291
5	251	252	259	240E	261	316	256	285	247	370E	240	270
6	266	253	261	260	273	316	253	269	246	450E	226	249
7	271	256	258	259	273	306	246	266	246	330E	223	246
8	271	254	262	259	276	335	245	275	246	230E	218	268
9	271	253	260	257	281	323	247	255	236	205E	218	271
10	263	252	259	259	286	315	247	247	236	210E	220	238
11	265	256	259	259	264	302	249	244	270	230	220	228
12	258	259	252	267	259	305	250	238	288	228	217	224
13	259	258	198	259	264	300	255	228	316	225	219	223
14	263	259	223	261	264	288	257	224	337	213	218	225
15	262	258	228	273	274	287	245	231	314	210	216	224
16	256	257	251	273	281	276	256	235	281	214	219	225
17	249	259	278	268	283	274	270	263	273	239	234	230
18	252	261	284	269	276	280	277	446	267	245	220	233
19	252	261	320	274	270	273	278	491	265	246	224	227
20	254	257	260E	262	278	274	266	528	273	236	242	241
21	263	264	250E	260	283	274	259	516	272	237	242	240
22	258	260	240E	268	304	273	281	428	247	255	239	240
23	252	262	261	273	334	296	267	345	251	242	232	268
24	254	262	266	256	352	317	265	298	269	252	228	257
25	255	259	275	249	366	300	343	282	269	231	230	256
26	261	264	272	253	361	289	361	320	270	229	230	248
27	264	272	262	255	339	270	359	318	254	239	227	243
28	255	270	267	261	334	261	319	297	253	357	227	243
29	260	270	271	269	324	258	296	285	255	320	223	241
30	269	271	280	265	-----	260	312	353	264	309	222	242
31	264	-----	280	264	-----	260	-----	285	-----	286	220	-----
TOTAL	7,977	7,729	8,117	8,124	8,423	9,082	8,177	9,806	8,014	8,144	7,100	7,288
MEAN	257	258	262	262	290	293	273	316	267	263	229	243
MAX	271	272	320	282	366	335	361	528	337	450	260	291
MIN	237	236	198	230	257	258	244	224	236	205	216	223
AC-FT	15,820	15,330	16,100	16,110	16,710	18,010	16,220	19,450	15,900	16,150	14,080	14,460

CAL YEAR 1999	TOTAL	112,398	MEAN	308	MAX	639	MIN	198	AC-FT	222,900
WTR YEAR 2000	TOTAL	97,981	MEAN	268	MAX	528	MIN	198	AC-FT	194,300

E indicates estimated discharge.



# PLATTE RIVER BASIN ( LOUP RIVER )

**CALAMUS RESERVOIR from Calamus River, 06787300 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51,910	52,500	66,390	84,730	101,800	118,600	126,500	127,500	128,000	124,800	98,640	68,430
2	51,860	52,380	66,890	85,360	101,400	118,900	126,400	127,700	127,600	123,800	97,780	67,820
3	51,860	52,380	67,540	85,710	103,100	119,600	126,400	127,600	127,500	122,800	96,840	67,440
4	51,970	52,410	68,160	86,340	103,500	120,100	126,300	127,500	127,700	121,300	96,150	67,130
5	52,060	52,410	68,810	86,740	104,200	120,700	126,400	127,500	127,300	121,000	95,180	66,760
6	51,970	52,410	69,190	87,380	104,800	121,100	126,400	127,700	127,000	120,600	94,130	66,120
7	52,210	52,410	69,860	87,890	105,100	121,600	126,900	127,500	126,900	119,800	93,250	65,880
8	52,380	52,500	70,520	88,660	105,800	122,100	126,400	127,900	126,900	118,600	92,210	65,280
9	52,320	52,850	71,050	89,180	106,300	122,800	126,400	127,400	126,700	117,500	91,060	64,940
10	52,380	53,410	71,580	89,670	107,000	122,900	126,300	127,000	126,700	116,800	89,830	64,540
11	52,410	54,010	72,180	90,280	107,200	123,400	126,500	127,100	126,500	116,000	88,620	64,540
12	52,470	54,630	72,820	90,810	107,700	123,800	126,400	127,100	126,600	114,700	87,020	64,380
13	52,470	55,240	73,360	91,380	108,400	123,900	126,400	126,900	126,700	113,500	85,830	64,240
14	52,380	55,970	73,940	91,840	109,100	124,200	126,600	126,900	126,900	112,300	84,500	64,080
15	52,500	56,460	74,660	92,500	109,600	124,600	126,500	126,900	126,500	111,200	83,680	63,680
16	52,410	57,190	75,170	92,910	110,300	124,700	126,600	126,900	126,500	110,000	82,290	63,520
17	52,290	57,720	75,750	93,500	110,700	124,700	126,600	126,900	126,500	109,200	81,290	63,350
18	52,210	58,310	76,300	94,040	111,300	124,900	126,800	128,100	126,500	107,800	80,190	63,220
19	52,260	59,190	77,150	94,760	112,100	125,300	126,900	127,900	126,500	106,900	78,880	62,990
20	52,210	59,570	77,640	95,180	112,600	125,300	126,900	128,300	126,700	105,800	77,820	63,060
21	52,260	60,140	78,160	95,680	113,500	125,400	126,700	128,600	126,600	104,800	77,300	62,630
22	52,350	60,780	78,670	96,370	113,700	125,400	126,700	128,900	126,600	103,900	76,270	62,690
23	52,290	61,430	79,360	96,880	114,400	125,600	126,700	128,900	125,400	103,700	75,530	62,560
24	52,210	61,980	79,850	97,520	115,100	126,100	126,800	128,900	125,500	103,300	74,520	62,470
25	52,440	62,600	80,450	97,950	115,800	126,200	127,100	128,400	126,000	102,500	73,540	62,370
26	52,290	63,220	84,440	98,470	116,900	126,400	127,000	128,300	125,500	102,000	72,570	62,240
27	52,380	63,840	81,630	98,950	116,900	126,400	127,800	128,700	125,500	101,100	71,750	62,080
28	52,350	64,470	82,320	99,690	117,600	126,400	127,500	128,200	125,500	101,000	70,980	62,040
29	52,500	65,070	82,790	110,200	118,300	126,400	127,500	128,200	125,500	100,500	70,270	61,780
30	52,500	65,740	83,440	100,800	-----	126,400	127,500	128,400	125,500	100,000	69,650	61,720
31	52,440	-----	83,950	101,300	-----	126,400	-----	128,000	-----	99,470	69,130	-----
MAX	52,500	65,740	84,440	110,200	118,300	126,400	127,800	128,900	128,000	124,800	98,640	68,430
MIN	51,860	52,380	66,390	84,730	101,400	118,600	126,300	126,900	125,400	99,470	69,130	61,720
CHANGE	-9,280	13,300	18,210	17,350	17,000	8,100	1,100	500	-2,500	-26,030	-30,340	-7,410
CAL YEAR 1999			MEAN	96,488	MAX	130,000	MIN	51,800				
WTR YEAR 2000			MEAN	95,879	MAX	128,900	MIN	51,860				

# PLATTE RIVER BASIN ( LOUP RIVER )

**MIRDAN CANAL from Calamus Reservoir, 00100500 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	246	473	438	278
2								0	252	479	476	229
3								0	262	481	451	230
4								0	264	483	472	225
5								0	266	445	456	218
6								0	278	430	454	216
7								0	279	428	490	188
8								0	233	449	578	184
9								0	246	472	593	171
10								0	262	516	595	39
11								0	275	497	568	0
12								92	290	502	549	0
13								177	237	550	543	0
14								171	201	563	560	0
15								168	217	556	560	0
16								168	228	546	566	0
17								159	230	568	559	0
18								142	230	606	544	0
19								128	233	577	468	0
20								129	234	561	459	0
21								131	247	522	449	0
22								131	280	351	457	0
23								132	309	306	463	0
24								133	323	342	486	0
25								133	325	342	512	0
26								130	266	390	424	0
27								129	173	424	394	0
28								130	205	387	411	0
29								131	244	370	312	0
30					-----			131	420	339	280	0
31		-----			-----		-----	280	-----	382	316	-----
TOTAL								2,925	7,755	14,337	14,883	1,978
MEAN								94.4	259	462	480	65.9
MAX								280	420	606	595	278
MIN								0	173	306	280	0
AC-FT								5,800	15,380	28,440	29,520	3,920
CAL YEAR 1999	MAX	601	MIN	0	AC-FT	86,290						
WTR YEAR 2000	MAX	606	MIN	0	AC-FT	83,070						

# PLATTE RIVER BASIN ( LOUP RIVER )

**CALAMUS FISH HATCHERY INLET from Calamus Reservoir, 00019800 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	5.0	6.3	6.4	6.8	6.8	4.5	14	5.8	8.6E	8.6E	10
2	34	5.0	6.2	6.5	6.7	6.8	4.4	16	5.8	8.6E	8.6E	9.6
3	8.5	5.0	6.2	6.5	6.6	6.8	4.2	10	6.0	8.6E	8.6E	9.6
4	10	5.1	6.2	6.4	6.6	6.7	4.1	11	6.7	8.6E	8.6E	9.4
5	17	5.0	6.3	6.4	6.7	6.8	4.0	11	8.5	8.6E	8.6E	9.4
6	16	5.0	6.2	6.4	6.7	6.9	4.8	11	13	8.6E	8.6E	9.7
7	16	5.0	6.3	6.3	6.7	3.0	6.4	18	20	8.6E	8.6E	11
8	16	5.0	6.3	6.2	6.8	3.0	7.1	19	17	8.6E	8.6E	9.7
9	16	5.0	6.4	6.0	6.6	3.0	12	17	16	8.6E	8.6E	8.6
10	16	5.0	6.3	6.4	6.7	3.0	21	15	11	8.6E	8.6E	8.0
11	15	5.1	6.3	6.4	6.7	3.0	21	16	6.8	8.6E	8.6E	7.8
12	10	5.1	6.3	6.3	6.8	3.0	19	15	6.8	8.6E	8.6E	8.5
13	6.4	5.2	6.3	6.4	6.7	3.0	17	15	7.0	8.6E	8.6E	12
14	8.1	5.1	6.3	6.4	6.7	3.0	17	17	10	8.6E	8.6E	13
15	4.9	5.2	6.3	6.4	6.7	3.0	17	19	16	8.6E	8.6E	15
16	5.1	5.2	6.3	6.4	6.6	3.0	17	17	14	8.6E	8.6E	13
17	5.4	5.2	6.2	6.6	6.7	3.1	20	12	7.8	8.6E	8.6E	16
18	5.6	5.3	6.4	6.5	6.8	3.0	21	9.4	7.9	8.6E	8.6E	17
19	5.3	5.2	6.4	6.5	6.7	3.0	13	8.2	10	8.6E	8.6E	18
20	5.0	5.2	6.4	6.6	6.7	3.0	13	7.7	12	8.6E	8.6E	13
21	5.0	5.3	6.4	6.5	6.7	3.0	16	4.7	9.1	8.6E	8.6E	11
22	5.0	5.2	6.4	6.6	6.7	3.0	11	4.5	8.8	8.6E	8.6E	9.8
23	4.9	5.2	6.3	6.6	6.8	3.0	6.0	4.5	8.4	8.6E	8.6E	9.0
24	5.0	5.3	6.4	6.5	6.9	3.0	5.2	4.4	6.7	8.6E	8.6E	12
25	5.0	5.4	6.4	6.5	6.7	3.0	10	4.4	6.7	8.6E	8.6E	18
26	5.0	5.3	6.4	6.5	6.7	3.0	19	4.4	6.6	8.6E	8.6E	19
27	5.0	5.4	6.5	6.6	6.7	3.0	19	4.4	9.3	8.7E	8.7E	18
28	5.0	5.3	6.5	6.5	6.7	3.0	13	4.4	13	9.0E	9.0E	16
29	4.9	5.2	6.4	6.7	6.9	4.0	9.6	4.7	8.6	12 E	12 E	16
30	4.9	6.1	6.4	6.6	-----	5.4	20	5.8	8.6E	9.0E	9.0E	16
31	5.0	-----	6.5	6.6	-----	4.5	-----	6.0	-----	8.6E	8.6E	-----
TOTAL	309.0	155.6	196.5	200.2	194.8	120.8	376.3	330.5	293.9	270.9	270.9	373.1
MEAN	9.97	5.19	6.34	6.46	6.72	3.90	12.5	10.7	9.80	8.74	8.74	12.4
MAX	34	6.1	6.5	6.7	6.9	6.9	21	19	20	12	12	19
MIN	4.9	5.0	6.2	6.0	6.6	3.0	4.0	4.4	5.8	8.6	8.6	7.8
AC-FT	613	309	390	397	386	240	746	656	583	537	537	740
CAL YEAR 1999	TOTAL	2,427.40	MEAN	6.65	MAX	34	MIN	0	AC-FT	4,810		
WTR YEAR 2000	TOTAL	3,092.50	MEAN	8.45	MAX	34	MIN	3.0	AC-FT	6,130		

E indicates estimated discharge.

# PLATTE RIVER BASIN ( LOUP RIVER )

INLET TO DAVIS CREEK RESERVOIR from Mirdan Canal, 00088500 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	221	204	196	227	111
2							0	220	180	203	217	73
3							0	219	176	195	215	62
4							0	219	172	186	207	60
5							0	214	175	197	201	51
6							0	216	174	209	211	51
7							0	220	171	202	206	34
8							0	220	141	203	181	33
9							0	221	113	202	172	51
10							0	222	103	200	171	49
11							0	222	103	198	172	46
12							0	222	98	198	180	62
13							0	221	97	193	192	77
14							14	224	109	172	185	72
15							20	220	119	170	173	42
16							55	214	124	171	182	32
17							67	214	123	164	192	31
18							97	229	125	169	195	5.7
19							145	239	113	174	201	0
20							175	230	108	179	208	0
21							192	229	130	181	213	0
22							208	223	122	223	212	0
23							224	217	146	250	206	0
24							223	217	147	238	206	0
25							216	218	160	229	200	0
26							213	218	152	213	207	0
27							213	227	167	197	208	0
28							221	235	172	219	208	0
29							221	236	183	249	176	0
30							221	235	198	247	156	0
31		-----			-----		-----	237	-----	245	158	-----
TOTAL							2,725	6,919	4,305	6,272	6,038	942.7
MEAN							90.8	223	144	202	195	31.4
MAX							224	239	204	250	227	111
MIN							0	214	97	164	156	0
AC-FT							5,410	13,720	8,540	12,440	11,980	1,870
CAL YEAR 1999	MAX	251	MIN	0	AC-FT	49,070						
WTR YEAR 2000	MAX	250	MIN	0	AC-FT	53,950						

# PLATTE RIVER BASIN ( LOUP RIVER )

DAVIS CREEK RESERVOIR from Calamus Reservoir via Mirdan Canal, 06789400 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22,940	22,050	20,910	20,110	19,480	19,050	18,450	22,420	30,410	26,920	26,270	25,320
2	22,910	21,900	20,890	20,100	19,460	19,030	18,430	22,760	30,570	26,870	26,580	25,270
3	22,900	21,780	20,870	20,080	19,440	19,000	18,410	22,940	30,730	26,800	26,840	25,130
4	22,880	21,680	20,840	20,060	19,420	18,990	18,390	23,210	30,900	26,650	27,110	25,040
5	22,870	21,650	20,810	20,050	19,410	18,970	18,370	23,480	30,970	26,690	27,300	24,940
6	22,850	21,600	20,790	20,020	19,390	18,950	18,340	23,700	31,110	26,790	27,490	24,840
7	22,840	21,580	20,790	20,000	19,370	18,940	13,820	23,950	31,260	26,890	27,660	24,110
8	22,840	21,540	20,780	19,980	19,340	18,950	18,290	24,230	31,390	26,900	27,530	24,410
9	22,830	21,530	20,740	19,950	19,320	18,930	18,250	24,460	31,420	26,760	26,920	21,160
10	22,810	21,520	20,720	19,930	19,310	18,900	18,220	24,720	31,460	26,680	26,360	23,990
11	22,790	21,510	20,670	19,900	19,290	18,860	18,190	25,000	31,430	26,310	25,840	24,030
12	22,770	21,490	20,620	19,890	19,270	18,840	18,170	25,260	31,430	25,960	25,530	24,070
13	22,750	21,460	20,590	19,890	19,260	18,820	18,140	25,470	31,470	25,730	25,420	24,170
14	22,730	21,410	20,560	19,800	19,240	18,810	18,120	25,700	32,120	25,650	25,310	24,190
15	22,710	21,380	20,540	19,800	19,220	18,790	18,100	26,020	31,330	25,060	25,080	24,220
16	22,700	21,340	20,520	19,870	19,210	18,780	18,100	26,230	31,030	24,950	27,760	24,260
17	22,670	21,310	20,480	19,860	19,190	18,750	18,100	26,550	30,820	24,600	24,540	24,310
18	22,640	21,260	20,460	19,800	19,180	18,730	18,500	26,740	30,720	24,160	24,320	24,350
19	22,610	21,240	20,440	19,730	19,160	18,700	18,870	26,970	30,540	23,930	24,140	24,380
20	22,590	21,210	20,410	19,710	19,140	18,680	19,070	27,250	30,410	23,710	24,320	24,410
21	22,560	21,180	20,370	19,680	19,130	18,660	19,300	27,530	30,110	23,640	24,340	24,360
22	22,530	21,160	20,340	19,660	19,120	18,650	19,640	27,780	29,820	23,860	24,610	24,300
23	22,490	21,140	20,300	19,640	19,140	18,630	19,990	28,050	29,490	24,220	24,800	24,240
24	22,460	21,110	20,270	19,620	19,160	18,610	20,400	28,280	29,100	24,560	24,920	24,190
25	22,420	21,090	20,240	19,610	19,140	18,610	20,750	28,480	28,740	24,840	25,050	24,140
26	22,380	21,050	20,230	19,590	19,130	18,590	21,040	28,910	28,500	25,020	24,170	24,130
27	22,340	21,020	20,200	19,570	19,100	18,570	21,330	29,050	28,070	24,980	25,360	24,110
28	22,270	21,000	20,190	19,550	19,090	18,560	21,580	29,290	27,780	25,240	25,490	24,090
29	22,250	20,970	20,170	19,540	19,070	18,530	21,780	29,590	27,430	25,470	25,540	24,030
30	22,190	20,940	20,150	19,520	-----	18,510	22,100	29,920	27,240	25,680	25,510	24,000
31	22,140	-----	20,130	19,490	-----	18,490	-----	30,410	-----	25,960	25,440	-----
MAX	22,940	22,050	20,910	20,110	19,480	19,050	22,100	30,410	32,120	26,920	27,760	25,320
MIN	22,140	20,940	20,130	19,490	19,070	18,490	13,820	22,420	27,240	23,640	24,140	21,160
CHANGE	-1,860	-1,200	-810	-640	-400	-600	3,610	8,310	-3,170	-1,280	-520	-1,440
CAL YEAR 1999			MEAN	16,115	MAX	27,100	MIN	6,420				
WTR YEAR 2000			MEAN	22,794	MAX	32,120	MIN	13,820				

# PLATTE RIVER BASIN ( LOUP RIVER )

**FULLERTON CANAL from Davis Creek Reservoir, 00054700 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	60	66	241	64	159
2							0	60	66	209	68	108
3							0	59	66	255	65	91
4							0	59	67	199	65	90
5							0	59	68	131	65	90
6							0	60	67	126	65	114
7							0	60	67	146	206	124
8							0	60	67	223	337	124
9							0	61	67	242	384	124
10							0	61	74	326	385	37
11							0	61	76	355	385	0
12							0	62	76	347	261	0
13							0	62	100	322	228	0
14							0	63	126	296	264	0
15							0	62	151	269	278	0
16							0	63	159	270	278	0
17							0	63	172	312	278	0
18							0	63	170	324	278	0
19							0	63	169	291	164	0
20							0	63	196	220	136	0
21							0	63	235	137	119	0
22							0	63	262	75	117	0
23							0	64	301	57	122	0
24							27	64	288	57	123	0
25							60	65	280	92	123	0
26							59	65	311	196	124	0
27							59	65	302	252	124	0
28							60	66	308	154	124	0
29							59	66	299	38	150	0
30					-----		60	66	292	38	161	0
31		-----			-----		60	66	-----	49	159	-----
TOTAL							384	1,937	4,948	6,249	5,700	1,061
MEAN							12.8	62.5	165	202	184	35.4
MAX							60	66	311	355	385	159
MIN							0	59	66	38	64	0
AC-FT							762	3,840	9,810	12,390	11,310	2,100
CAL YEAR 1999	MAX	346	MIN	0	AC-FT	25,750						
WTR YEAR 2000	MAX	385	MIN	0	AC-FT	40,220						

# PLATTE RIVER BASIN ( LOUP RIVER )

## CALAMUS RIVER near Burwell, 06787500 - 2000

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

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

GAGE.--Continuous stage recorder. Gage datum is 2,253.48 feet above sea level.

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 462 cubic feet per second July 6, gage height 2.71 feet; minimum daily discharge 38 cubic feet per second November 30.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	324	340	58	70	58	101	315	395	224	360	333	316
2	313	338	61	69	57	103	322	401	116	395	333	313
3	301	338	61	70	58	106	324	404	96	396	325	324
4	303	341	63	60E	59	106	300	404	115	365	323	336
5	313	346	58	71	60	108	298	383	104	390	324	335
6	320	346	56	70	61	108	293	372	102	437	320	332
7	320	347	54	69	61	119	313	371	109	422	318	329
8	338	263	56	68	60	161	298	386	106	374	267	326
9	349	131	56	70	61	153	299	328	105	342	247	333
10	349	65	57	70	61	152	296	314	106	343	249	337
11	347	54	59	68	62	181	297	320	104	338	305	340
12	345	52	60	68	62	201	315	261	109	344	339	355
13	353	51	61	68	62	199	304	161	110	350	345	364
14	353	51	61	67	62	204	319	128	125	338	346	365
15	352	52	56	67	61	231	313	120	113	317	334	366
16	350	51	58	65	61	247	320	104	109	303	314	368
17	348	52	59	62	62	250	326	97	102	294	313	370
18	350	51	60	62	63	252	325	137	102	289	313	370
19	341	52	62	60	63	270	342	130	107	286	315	371
20	343	53	56E	58	64	282	362	160	107	289	318	368
21	344	52	61	58	62	281	342	218	107	294	319	368
22	344	53	60	59	64	281	341	258	103	336	319	368
23	344	53	60	59	67	282	343	274	104	353	319	369
24	344	52	62	58	68	324	339	276	105	344	319	379
25	344	53	64	58	68	325	352	253	106	331	319	386
26	343	53	64	58	67	325	245	264	85	321	316	386
27	345	53	66	58	87	312	416	310	93	319	316	384
28	344	53	69	59	99	306	405	303	97	343	314	381
29	346	51	69	59	101	307	401	300	83	327	313	380
30	348	38	69	58	-----	311	407	310	112	330	313	381
31	347	-----	69	57	-----	313	-----	205	-----	332	316	-----
TOTAL	10,505	3,885	1,885	1,973	1,901	6,901	9,872	8,347	3,266	10,602	9,764	10,700
MEAN	339	130	60.8	63.6	65.6	223	329	269	109	342	315	357
MAX	353	347	69	71	101	325	416	404	224	437	346	386
MIN	301	38	54	57	57	101	245	97	83	286	247	313
AC-FT	20,840	7,710	3,740	3,910	3,770	13,690	19,580	16,560	6,480	21,030	19,370	21,220
CAL YEAR 1999 TOTAL		119,016	MEAN	326	MAX	935	MIN	38	AC-FT	236,100		
WTR YEAR 2000 TOTAL		79,601	MEAN	217	MAX	437	MIN	38	AC-FT	157,900		

E indicates estimated discharge.

# PLATTE RIVER BASIN ( LOUP RIVER )

**BURWELL-SUMTER CANAL from North Loup River, 00108000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	34	40	100	68	42
2							0	33	42	95	69	43
3							0	33	41	93	75	43
4							0	33	39	92	86	45
5							0	35	39	94	94	44
6							0	37	37	93	89	42
7							0	37	37	88	89	44
8							0	38	36	96	96	46
9							0	37	39	100	109	49
10							0	37	41	109	108	50
11							0	37	42	110	106	51
12							0	36	49	108	100	52
13							0	37	51	111	102	55
14							0	36	49	102	100	55
15							0	37	47	102	95	55
16							0	37	50	104	96	50
17							0	35	53	110	104	51
18							0	37	54	112	103	26
19							59	37	60	115	93	0
20							100	35	67	115	100	0
21							31	35	67	114	104	0
22							32	36	65	101	101	0
23							35	37	65	91	100	0
24							35	35	68	90	99	0
25							39	34	65	84	97	0
26							41	35	70	90	82	0
27							39	37	85	96	69	0
28							37	37	93	84	63	0
29							34	37	97	56	54	0
30					-----		34	38	100	57	48	0
31		-----			-----		38	38	-----	64	41	-----
TOTAL							516	1,117	1,688	2,976	2,740	843
MEAN							17.2	36.0	56.3	96.0	88.4	28.1
MAX							100	38	100	115	109	55
MIN							0	33	36	56	41	0
AC-FT							1,020	2,220	3,350	5,900	5,430	1,670
CAL YEAR 1999	MAX	115	MIN	0	AC-FT	16,850						
WTR YEAR 2000	MAX	115	MIN	0	AC-FT	19,600						



# PLATTE RIVER BASIN ( LOUP RIVER )

## NORTH LOUP RIVER at Ord, 06788500 - 2000

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 3,280 cubic feet per second July 28, gage height 3.79 feet; minimum daily discharge 262 cubic feet per second estimated June 30.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	861	1,150	785	861	600E	902	1,040	870	769	1,050	865	775
2	879	1,160	801	840E	718	907	990	742	780	1,150	846	787
3	828	1,090	833	760E	661	881	948	612	619	998	804	821
4	787	1,050	834	660E	666	885	910	670	585	943	756	973
5	796	1,060	812	620E	660	893	866	653	579	1,020	713	1,080
6	888	1,080	719	660E	693	896	845	562	554	1,220	717	933
7	925	1,090	717	760E	737	904	831	562	553	1,500	687	819
8	980	1,080	714	883	757	1,000	875	619	566	951	600	811
9	1,010	865	691	880	777	1,010	850	575	558	770	512	840
10	1,060	779	646	817	817	993	889	484	551	730	519	831
11	1,090	740	635	752	812	928	895	478	558	735	516	833
12	1,060	764	716	806	759	962	858	448	684	699	611	890
13	1,040	795	753	753	769	971	869	417	884	705	613	1,000
14	1,060	823	764	787	779	965	883	438	850	741	616	998
15	1,030	831	734	733	789	946	907	373	726	626	568	1,000
16	976	791	760	716	774	935	860	360	661	578	462	966
17	994	778	657	707	768	956	745	339	622	579	466	897
18	1,030	786	669	751	752	938	747	533	606	582	514	1,020
19	992	828	665	750	729	885	660	920	679	600	588	1,070
20	992	848	619	742	723	915	720	672	1,070	596	572	1,070
21	1,010	858	580E	754	753	897	801	574	642	607	615	1,100
22	990	848	540E	720	758	919	814	726	540	1,420	660	1,140
23	993	855	500E	668	801	1,010	722	815	497	1,240	659	1,190
24	1,010	824	540E	626	852	1,060	801	768	482	832	650	1,320
25	1,110	810	823	626	831	1,100	852	696	521	774	702	1,280
26	1,140	784	790	565	870	1,090	907	659	506	810	925	1,090
27	1,190	727	756	540	885	1,130	847	772	301	908	807	1,070
28	1,150	706	747	560	887	1,080	779	753	317	1,790	792	1,070
29	1,190	705	819	580E	882	1,080	713	718	278	1,130	853	1,020
30	1,160	781	858	580E	-----	1,080	740	758	262	971	821	1,050
31	1,190	-----	850	580E	-----	1,040	-----	807	-----	919	784	-----
TOTAL	31,411	26,286	22,327	22,037	22,259	30,158	25,164	19,373	17,800	28,174	20,813	29,744
MEAN	1,013	876	720	711	768	973	839	625	593	909	671	991
MAX	1,190	1,160	858	883	887	1,130	1,040	920	1,070	1,790	925	1,320
MIN	787	705	500	540	600	881	660	339	262	578	462	775
AC-FT	62,300	52,140	44,290	43,710	44,150	59,820	49,910	38,430	35,310	55,880	41,280	59,000
CAL YEAR 1999 TOTAL		364,426	MEAN	998	MAX	2,380	MIN	477	AC-FT	722,800		
WTR YEAR 2000 TOTAL		295,546	MEAN	808	MAX	1,790	MIN	262	AC-FT	586,200		

E indicates estimated discharge.

# PLATTE RIVER BASIN ( LOUP RIVER )

ORD-NORTH LOUP CANAL from North Loup River, 00109000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								1.5	22	127	44	45
2								43	23	125	45	44
3								34	23	124	47	43
4								21	24	124	50	40
5								28	24	113	54	41
6								25	22	115	60	39
7								20	28	102	73	39
8								20	30	109	95	39
9								20	33	106	104	38
10								17	38	113	85	38
11								21	40	109	116	37
12								20	45	115	118	36
13								24	45	123	120	37
14								26	43	120	118	37
15								27	43	124	111	37
16								31	50	120	114	37
17								31	59	127	115	37
18								29	63	125	116	18
19								32	73	125	116	0
20								30	88	123	104	0
21								32	86	120	101	0
22								33	94	110	98	0
23								29	104	108	97	0
24								25	115	87	91	0
25								27	123	87	87	0
26								29	128	85	65	0
27								27	128	85	57	0
28								24	128	73	45	0
29								24	125	50	45	0
30					-----			24	127	48	45	0
31		-----			-----		-----	22	-----	46	45	-----
TOTAL								796.5	1,974	3,268	2,581	682
MEAN								25.7	65.8	105	83.3	22.7
MAX								43	128	127	120	45
MIN								1.5	22	46	44	0
AC-FT								1,580	3,920	6,480	5,120	1,350
CAL YEAR 1999	MAX	126	MIN	0	AC-FT	13,900						
WTR YEAR 2000	MAX	128	MIN	0	AC-FT	18,450						

# PLATTE RIVER BASIN ( LOUP RIVER )

**MIRA CREEK near North Loup, 06788898 - 2000**

LOCATION.--NW1/4SE1/4 Sec. 7-18-13 W., Valley County, Lat. 41° 30' 09", Long. 98° 47' 47", on left bank near the half section line road running west from Highway 11, 1.4 mile northwest of North Loup.

DRAINAGE AREA.--Undetermined

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

PERIOD OF RECORD.--1979 - present

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

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 3,460 cubic feet per second August 5, 1981, gage height 10.56 feet, based on indirect measurement; no flow at times in 1980-81.

EXTREMES FOR CURRENT YEAR.--Peak discharge 106 cubic feet per second July 28, gage height 2.47 feet; minimum daily discharge 0.28 cubic feet per second September 29.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.1	2.0	2.8	2.7	3.3	3.2	4.2	3.7	4.6	5.4	5.0
2	1.3	1.2	1.9	2.3	2.8	3.4	3.9	3.9	3.6	4.6	4.3	4.5
3	1.3	1.2	1.9	2.4	2.9	3.0	3.3	3.4	3.4	4.6	4.0	4.9
4	1.3	1.2	1.9	1.4	3.1	2.7	3.0	3.3	3.3	4.8	3.8	5.3
5	1.2	1.2	1.9	1.7	3.1	2.5	2.5	3.3	3.3	4.7	4.0	4.9
6	1.3	1.2	2.1	2.0	2.8	2.6	2.6	3.0	2.9	4.9	4.2	4.2
7	1.2	1.2	2.1	2.1	2.9	2.9	2.6	2.8	2.6	5.0	3.8	3.8
8	1.6	1.3	2.3	2.2	2.6	3.4	2.5	4.1	2.4	4.9	4.1	3.5
9	1.3	1.4	2.1	2.4	2.6	3.7	2.4	3.9	2.0	5.9	4.6	3.3
10	1.0	1.4	2.2	2.5	2.5	2.9	2.4	4.0	1.8	5.8	4.7	3.1
11	1.1	1.4	2.4	2.6	2.4	2.5	2.4	3.8	1.3	8.9	5.0	2.8
12	1.1	1.4	2.1	2.9	2.7	2.3	2.4	3.9	1.5	13	5.0	2.2
13	1.2	1.4	2.3	2.6	2.4	2.5	2.1	3.5	2.5	13	5.1	1.5
14	1.1	1.4	2.5	3.0	2.7	2.4	2.2	2.8	3.4	11	4.8	1.1
15	1.1	1.5	2.4	3.0	3.0	2.7	2.5	2.6	2.7	8.3	4.4	.86
16	1.1	1.5	2.6	2.5	3.0	2.5	3.5	2.7	2.7	7.2	4.6	.69
17	1.1	1.8	2.4	2.6	3.1	2.3	3.3	3.2	2.5	6.7	6.1	.54
18	1.1	1.8	2.2	2.7	2.9	4.0	2.8	4.4	2.3	6.6	6.3	.54
19	1.1	1.8	2.3	2.5	3.0	2.7	2.8	5.0	2.1	6.8	6.9	.66
20	1.0	1.9	1.3	1.8	3.1	2.3	2.9	6.9	2.2	6.1	7.1	.65
21	.99	1.9	1.4	2.2	3.1	2.4	2.5	6.6	2.0	5.3	6.9	.51
22	1.0	1.9	1.3	2.1	3.1	2.3	2.2	5.1	1.8	11	6.6	.47
23	1.0	1.9	1.4	2.5	4.4	2.4	2.1	4.3	1.6	16	6.9	.48
24	1.1	1.9	1.7	2.7	6.8	4.0	2.0	4.0	1.7	18	7.3	.48
25	1.1	1.9	1.8	2.4	5.4	2.9	3.0	4.2	1.8	13	7.4	.42
26	1.1	2.0	2.1	2.5	5.9	2.6	3.0	4.6	3.0	10	7.7	.32
27	1.1	2.0	2.3	2.4	4.9	3.1	2.6	8.2	3.5	9.3	7.5	.30
28	1.1	2.0	2.3	2.4	3.9	2.9	2.6	5.3	4.0	49	7.0	.32
29	1.1	2.0	2.9	2.4	3.5	4.8	2.7	4.4	3.7	22	6.9	.28
30	1.1	2.0	2.6	2.4	-----	2.9	3.6	4.3	4.5	12	6.6	.29
31	1.1	-----	2.6	2.6	-----	3.3	-----	3.7	-----	8.5	5.8	-----
TOTAL	35.59	47.8	65.3	74.6	97.3	90.2	81.6	129.4	79.8	311.5	174.8	57.91
MEAN	1.15	1.59	2.11	2.41	3.36	2.91	2.72	4.17	2.66	10.0	5.64	1.93
MAX	1.6	2.0	2.9	3.0	6.8	4.8	3.9	8.2	4.5	49	7.7	5.3
MIN	.99	1.1	1.3	1.4	2.4	2.3	2.0	2.6	1.3	4.6	3.8	.28
AC-FT	71	95	130	148	193	179	162	257	158	618	347	115
CAL YEAR 1999	TOTAL	3,869.39	MEAN	10.6	MAX	698	MIN	.99	AC-FT	7,670		
WTR YEAR 2000	TOTAL	1,245.80	MEAN	3.40	MAX	49	MIN	.28	AC-FT	2,470		

# PLATTE RIVER BASIN ( LOUP RIVER )

**CEDAR RIVER near Spalding, 06791500 - 2000**

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 311 cubic feet per second on July 30, gage height 3.37 feet; minimum daily discharge 120 cubic feet per second estimated December 22.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	146	171	172	172	163	207	167	190	205	151	230	150
2	144	166	172	172	166	198	167	185	197	146	221	148
3	149	165	169	169	170	191	165	181	189	137	211	149
4	154	167	170	150E	166	192	164	180	176	146	197	149
5	155	168	172	140E	169	189	164	176	172	205	161	147
6	158	163	165	130E	167	188	160	168	171	252	176	155
7	160	165	162	140E	170	184	158	170	165	258	172	156
8	162	170	163	160E	169	192	156	178	161	240	160	159
9	167	168	162	173	171	193	160	177	154	209	154	155
10	163	167	161	163	171	187	162	173	144	193	152	146
11	160	165	160	165	167	180	163	169	142	179	144	140
12	159	163	161	164	160E	181	165	162	159	182	142	140
13	158	164	162	166	160E	178	163	156	223	173	140	138
14	159	162	165	171	160E	177	167	157	195	157	141	138
15	158	162	166	171	167	174	163	157	177	150	139	137
16	155	163	165	172	168	169	199	156	175	147	142	140
17	153	164	163	160E	166	170	207	157	168	144	146	141
18	158	166	163	155E	170	172	208	225	161	142	146	141
19	160	164	164	155E	168	175	207	243	158	115	149	140
20	161	160	162	155E	171	173	199	211	222	174	151	139
21	161	161	140E	160E	175	170	191	200	216	219	151	139
22	160	161	120E	155E	178	170	187	193	180	204	153	145
23	159	164	130E	155E	201	179	180	184	160	187	149	152
24	160	165	160E	155E	233	197	175	174	177	176	147	155
25	163	163	192	155E	238	194	178	169	212	169	144	164
26	165	165	175	155E	228	189	183	206	200	192	144	163
27	169	167	170	160E	220	182	186	244	181	210	154	157
28	163	163	171	160E	216	175	183	222	159	228	158	156
29	164	165	173	155E	211	172	177	197	146	277	151	154
30	167	167	174	155E	-----	170	178	215	125	278	152	152
31	168	-----	174	160E	-----	170	-----	211	-----	243	153	-----
TOTAL	4,938	4,944	5,078	4,928	5,239	5,638	5,282	5,786	5,270	5,883	4,930	4,445
MEAN	159	165	164	159	181	182	176	187	176	190	159	148
MAX	169	171	192	173	238	207	208	244	223	278	230	164
MIN	144	160	120	130	160	169	156	156	125	115	139	137
AC-FT	9,790	9,810	10,070	9,770	10,390	11,180	10,480	11,480	10,450	11,670	9,780	8,820
CAL YEAR 1999	TOTAL	79,862	MEAN	219	MAX	1,700	MIN	120	AC-FT	158,400		
WTR YEAR 2000	TOTAL	62,361	MEAN	170	MAX	278	MIN	115	AC-FT	123,700		

E indicates estimated discharge.

# PLATTE RIVER BASIN (LOUP RIVER)

**CEDAR RIVER near Fullerton, 06792000 - 2000**

LOCATION.--S1/4SE1/4 Sec. 33-17-6 W., Nance County, Lat. 41° 23' 45", Long. 98° 00' 15", on left upstream bank near county bridge, 3 miles northwest of Fullerton and 7.4 miles upstream from mouth.

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

GAGE.--Continuous stage recorder. Datum of gage is 1,638.39 feet above sea level.

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 608 cubic feet per second July 6, gage height 2.34 feet; minimum daily discharge 55 cubic feet per second August 11.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	207	225	230E	270E	260E	304	237	262	286	135	292	165E
2	211	224	225E	260E	270E	294	230	305	269	82	228	160E
3	216	219	235E	270E	280E	277	234	274	284	111	204	160E
4	220	222	230E	230E	270E	266	247	252	340	132	178	160E
5	227	226	230E	200E	280E	270	245	240	220	144	177	160E
6	228	229	220E	220E	290E	263	242	242	210	289	166	170E
7	226	226	205E	250E	290E	271	251	242	208	341	140	170E
8	231	225	220E	290E	300E	306	247	253	207	195	146	175E
9	227	231	230E	280E	300E	305	242	251	202	268	115	170E
10	224	236	220E	270E	230E	302	248	252	191	229	91	160E
11	223	238	210E	280E	240E	277	247	245	175	212	55	155E
12	233	239	210E	270E	230E	280	244	241	177	247	59	155E
13	216	243	235E	260E	240E	253	246	227	197	120	73	150E
14	226	243	245E	270E	220E	240	256	219	264	60	74	150E
15	225	245	230E	270E	230E	236	291	212	275	101	79	150E
16	217	249	210E	280E	220E	237	314	212	232	99	75	155E
17	209	254	220E	290E	230E	238	353	227	246	102	72	155E
18	212	259	210E	290E	240E	252	353	244	223	93	77	155E
19	215	261	210E	270E	245E	270	317	283	180	94	136	159
20	218	250E	180E	225E	259	260	284	370	213	266	148	170
21	221	230E	160E	240E	259	279	219	305	202	257	146	165
22	225	210E	180E	250E	268	267	237	256	298	259	148	171
23	228	220E	190E	240E	295	280	264	236	211	332	162	180
24	228	190E	210E	235E	337	303	265	230	166	278	160E	189
25	225	210E	240E	220E	373	307	385	222	162	216	155E	204
26	226	215E	280E	210E	364	304	279	231	118	197	155E	203
27	227	220E	260E	220E	321	296	268	231	330	187	170E	200
28	225	225E	280E	240E	318	294	268	316	111	215	170E	193
29	225	220E	270E	240E	321	269	296	309	151	267	165E	183
30	223	220E	280E	230E	-----	251	252	287	177	386	165E	174
31	226	-----	250E	240E	-----	245	-----	280	-----	417	165E	-----
TOTAL	6,890	6,904	7,005	7,810	7,980	8,496	8,061	7,956	6,525	6,331	4,346	5,066
MEAN	222	230	226	252	275	274	269	257	218	204	140	169
MAX	233	261	280	290	373	307	385	370	340	417	292	204
MIN	207	190	160	200	220	236	219	212	111	60	55	150
AC-FT	13,670	13,690	13,890	15,490	15,830	16,850	15,990	15,780	12,940	12,560	8,620	10,050
CAL YEAR 1999 TOTAL		125,078	MEAN	343	MAX	4,640	MIN	140	AC-FT	248,100		
WTR YEAR 2000 TOTAL		83,370	MEAN	228	MAX	417	MIN	55	AC-FT	165,400		

E indicates estimated discharge.

# PLATTE RIVER BASIN (LOUP RIVER)

**BEAVER CREEK at Loretto, 06793500 - 2000**

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,540 cubic feet per second July 5, gage height 9.49 feet; minimum daily discharge 22 cubic feet per second August 15.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	52	58	71	64E	88	70	71	108	56	46	36E
2	49	51	55	71	60E	83	69	68	94	54	43	36E
3	54	51	53	70E	62E	81	68	60	82	46	40	37E
4	54	52	51	60E	64E	82	74	56	70	46	37	40E
5	51	52	50E	45E	66	81	67	58	64	810	41	45E
6	50	53	49E	43E	69	78	65	53	63	745	41	45E
7	50	53	50E	50E	68	75	63	53	57	455	40	40
8	51	53	52E	48E	66	80	65	55	57	250	33	39
9	53	53	50E	49E	69	85	65	56	50	125	29	39
10	50	52	50E	50E	68	79	63	54	46	99	31	35
11	50	51	48E	52E	65	76	65	52	44	89	34	38
12	51	51	50E	50E	60	73	66	50	44	83	33	37
13	51	50	50E	52E	56E	72	63	49	46	78	27	39
14	56	50	50	50E	58E	71	62	48	47	73	24	37
15	55	51	51	52E	62E	68	61	49	46	69	22	37
16	52	53	51	54E	66E	67	84	47	44	62	27	39
17	51	53	50E	58E	64E	68	115	76	45	55	31	39
18	52	52	47E	62E	62E	69	117	345	45	51	34E	37
19	52	51	47E	58E	60E	76	116	136	58	48	37E	38
20	51	51E	48E	52E	66E	74	98	99	110	50	41E	42
21	51	53	50E	52E	77	74	88	79	64	51	42E	43
22	50	53	45E	48E	89	75	83	66	54	53	41E	47
23	49	54	60E	50E	107	79	75	59	50	82	40E	50
24	51	54E	70E	52E	228	113	70	54	127	43	38E	54
25	50	55E	76E	52E	184	108	66	49	129	46	38E	50
26	50	57	74E	49E	133	91	66	68	80	44	39E	46
27	52	57	74E	46E	110	80	65	148	66	41	41E	42
28	52	58	76	50E	106	76	64	152	59	52	39E	40
29	53	57	77	56E	95	74	63	117	55	51	38E	41
30	53	61	76	60E	-----	73	62	135	55	50	37E	39
31	53	-----	72	64E	-----	72	-----	121	-----	48	37E	-----
TOTAL	1,596	1,594	1,760	1,676	2,404	2,441	2,218	2,583	1,959	3,905	1,121	1,227
MEAN	51.5	53.1	56.8	54.1	82.9	78.7	73.9	83.3	65.3	126	36.2	40.9
MAX	56	61	77	71	228	113	117	345	129	810	46	54
MIN	49	50	45	43	56	67	61	47	44	41	22	35
AC-FT	3,170	3,160	3,490	3,320	4,770	4,840	4,400	5,120	3,890	7,750	2,220	2,430
CAL YEAR 1999	TOTAL	41,679	MEAN	114	MAX	860	MIN	40	AC-FT	82,670		
WTR YEAR 2000	TOTAL	24,484	MEAN	66.9	MAX	810	MIN	22	AC-FT	48,560		

E indicates estimated discharge.

# PLATTE RIVER BASIN (ELKHORN RIVER)

## ELKHORN RIVER near Atkinson, 06796973 - 2000

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 records below 5 cubic feet per second are fair and estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 4,060 cubic feet per second May 29, 1995, gage height 9.27 feet;  
minimum daily discharge 1.1 cubic feet per second August 31 to September 3, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharge 74 cubic feet per second May 21, gage height 3.51 feet; maximum gage height 4.44 feet  
January 21 due to backwater from ice; minimum daily discharge 0.15 cubic feet per second August 31.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	26	30	36	34E	42	37	43	43	22	5.1	.23
2	24	24	30	36	35E	42	36	44	41	22	4.9	.27
3	24	25	30	27E	34E	43	36	42	40	20	4.7	.35
4	26	27	31	21E	38	44	36	43	38	19	4.4	.88
5	26	26	30	22E	40	44	38	42	37	18	4.1	.62
6	26	27	32	26E	38	44	36	39	36	18	3.8	.34
7	26	27	30	28E	36	42	36	39	35	17	3.6	2.8
8	25	27	30	30E	36	44	37	38	34	16	3.7	.31
9	24	27	29	29E	36	43	37	37	31	15	3.0	.18
10	24	26	30	32E	35	42	37	35	31	14	2.9	.33
11	24	26	30	35E	27E	42	38	35	31	14	3.1	.18
12	24	26	31	34E	26E	41	37	33	39	14	2.7	.29
13	23	26	32	32E	29E	42	38	31	39	13	2.5	.58
14	25	26	32	35E	33E	41	38	30	37	12	2.8	.61
15	25	26	29E	37	37	41	36	30	35	10	2.6	.45
16	24	27	28E	35	36	41	39	29	35	9.7	2.3	.62
17	24	27	29E	32	38	41	40	29	34	9.5	2.6	.54
18	25	27	26E	38	38	41	43	62	34	8.8	2.0	.79
19	24	28	25E	36	38	41	42	68	32	8.6	1.8	.39
20	25	28	23E	33E	38	39	41	68	32	8.7	2.0	.63
21	25	29	24E	35E	39	39	41	71	31	8.9	2.0	.61
22	25	28	27E	37E	39	38	42	62	29	9.1	2.1	2.1
23	25	28	29E	35E	43	40	42	57	28	8.7	2.3	1.8
24	25	28	32E	30E	47	43	40	53	30	8.4	1.3	1.3
25	25	29	34E	28E	46	41	40	50	26	8.1	1.2	1.5
26	25	29	36E	30E	45	40	42	51	25	7.6	1.3	2.1
27	25	30	37	32E	43	38	41	55	24	7.0	1.1	1.8
28	24	29	37	32E	44	38	40	55	25	6.5	1.2	2.0
29	25	28	36	31E	43	38	39	52	24	6.4	.74	2.4
30	26	30	36	32E	-----	38	41	48	24	6.0	.37	2.6
31	26	-----	35	33E	-----	37	-----	44	-----	5.7	.15	-----
TOTAL	767	817	950	989	1,091	1,270	1,166	1,415	980	371.7	78.36	29.60
MEAN	24.7	27.2	30.6	31.9	37.6	41.0	38.9	45.6	32.7	12.0	2.53	.99
MAX	26	30	37	38	47	44	43	71	43	22	5.1	2.8
MIN	23	24	23	21	26	37	36	29	24	5.7	.15	.18
AC-FT	1,520	1,620	1,880	1,960	2,160	2,520	2,310	2,810	1,940	737	155	59
CAL YEAR 1999 TOTAL	50,415.00		MEAN	138	MAX	2,540	MIN	14	AC-FT	100,000		
WTR YEAR 2000 TOTAL	9,924.66		MEAN	27.1	MAX	71	MIN	.15	AC-FT	19,690		

E indicates estimated discharge.

# PLATTE RIVER BASIN (ELKHORN RIVER)

**SOUTH FORK ELKHORN RIVER near Ewing, 06798000 - 2000**

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

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

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

PERIOD OF RECORD.--Oct. 1977 - present

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge estimated at 121 cubic feet per second on May 30, gage height 1.90 feet; minimum daily discharge 22 cubic feet per second on September 9 and 10.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	35	42	40E	47E	52	49	53	104	39	32	29E
2	39	37	42	40E	50E	48	49	52	92	37	32	28E
3	38	38	42	39E	48E	46	50	51	82	36	31	27E
4	39	39	45	42E	47E	45	50	48	70	40	30	26E
5	37	40	46	44E	46E	48	45	47	64	40	28	26E
6	38	40	48	44E	46E	48	45	48	58	63	27	25E
7	35	41	45	45E	47E	46	47	47	50	49	25	25
8	33	43	45	46E	45E	41E	51	50	47	47	26	25
9	32	41	44	47E	45E	41E	52	48	43	43	25	22
10	31	40	43E	48E	44E	47	54	47	41	42	24	22
11	32	40	43E	50E	43E	49	54	46	43	55	23	24
12	32	40	44E	48E	42E	48	53	45	45	49	23	26
13	32	41	44E	46E	40E	50	53	45	56	44	23	25
14	32	40	46E	48E	40E	47	54	45	57	41	23	25
15	29	42	42E	50E	41E	47	58	45	68	40	23	27
16	30	42	43E	46E	44E	52	68	46	77	38	24	26
17	31	40	41E	47E	45E	53	69	47	64	38	24E	26
18	33	40	41E	50E	44E	53	67	61	56	39	25E	25
19	33	41	43E	49E	46E	53	64	61	50	39	25E	27
20	32	42	41E	48E	50E	53	62	63	47	38	26E	29
21	31	41	39E	48E	52	53	59	60	43	38	28E	30
22	31	41	39E	48E	52	52	56	53	41	43	31	37
23	32	41	40E	47E	59	59	54	49	38	51	31	34
24	33	41	42E	46E	66	57	53	46	46	45	29	34
25	34	42	43E	45E	63	52	51	53	43	42	32	33
26	35	41	43E	44E	66	53	49	85	40	39	38	30
27	34	41	43E	44E	64	52	49	91	41	38	32	29
28	34	41	43E	43E	59	52	49	108	40	38	31	28
29	36	42	44E	43E	54	51	48	105	39	37	30	28
30	36	42	44E	44E	-----	49	50	115	42	37	30E	27
31	36	-----	43E	45E	-----	47	-----	110	-----	34	30E	-----
TOTAL	1,049	1,215	1,333	1,414	1,435	1,544	1,612	1,870	1,627	1,299	861	825
MEAN	33.8	40.5	43.0	45.6	49.5	49.8	53.7	60.3	54.2	41.9	27.8	27.5
MAX	39	43	48	50	66	59	69	115	104	63	38	37
MIN	29	35	39	39	40	41	45	45	38	34	23	22
AC-FT	2,080	2,410	2,640	2,800	2,850	3,060	3,200	3,710	3,230	2,580	1,710	1,640
CAL YEAR 1999 TOTAL		36,568	MEAN	100	MAX	2,960	MIN	29	AC-FT	72,530		
WTR YEAR 2000 TOTAL		16,084	MEAN	43.9	MAX	115	MIN	22	AC-FT	31,900		

E indicates estimated discharge.



# PLATTE RIVER BASIN ( ELKHORN RIVER )

**ELKHORN RIVER at Neligh, 06798500 - 2000**

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; minimum daily discharge 12 cubic feet per second July 1, 1932.

EXTREMES FOR CURRENT YEAR.--Peak discharge 884 cubic feet per second July 6, gage height 3.91 feet; minimum daily discharge 47 cubic feet per second September 18.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	144	176	188	195E	195E	285	225	238	518	153	87	59
2	143	170	195	160E	210E	276	228	225	469	137	86	61
3	146	171	195	140E	225E	262	228	220	416	137	81	61
4	146	170	184	72E	235E	259	230	209	381	146	81	63
5	142	167	176	74E	240E	256	235	203	336	155	76	62
6	143	166	172	98E	250E	249	235	209	293	576	78	58
7	145	169	167	150E	265E	245	235	205	262	361	73	55
8	156	173	177	155E	270E	262	221	222	242	207	68	58
9	153	175	176	165E	265E	275	220	213	216	163	66	52
10	150	179	173	175E	245E	273	221	207	190	147	63	48
11	149	180	168	185E	175E	273	225	198	184	296	65	53
12	148	172	183	195E	135E	279	221	192	189	323	63	55
13	149	169	179	205E	140E	271	207	176	221	183	58	54
14	148	173	178	210E	140E	272	213	168	241	152	58	55
15	151	169	173	215E	145E	277	218	159	238	135	58	56
16	148	167	158	205E	145E	263	279	158	238	124	54	55
17	146	162	155E	205E	145E	262	297	194	232	115	61	52
18	155	162	140E	180E	150E	264	311	487	219	106	62	47
19	156	168	125E	160E	150E	265	341	340	206	103	60	52
20	163	161	110E	135E	200E	266	316	381	198	102	69	57
21	165	163	90E	130E	230	264	275	392	183	104	72	61
22	170	160	150E	130E	260	253	253	363	167	116	71	73
23	168	159	170E	135E	299	268	243	332	164	115	68	90
24	170	158	180E	135E	386	302	233	295	186	119	71	87
25	169	164	185E	140E	369	302	219	271	211	104	63	87
26	176	170	195E	140E	379	294	228	373	182	107	62	84
27	180	177	205E	145E	347	272	243	538	172	102	81	79
28	178	178	210E	145E	326	257	229	548	166	98	71	74
29	177	181	210E	155E	312	245	224	597	163	97	70	71
30	172	179	215E	160E	-----	236	222	629	162	93	61	69
31	179	-----	205E	175E	-----	236	-----	577	-----	88	59	-----
TOTAL	4,885	5,088	5,387	4,869	6,833	8,263	7,275	9,519	7,245	4,964	2,116	1,888
MEAN	158	170	174	157	236	267	243	307	242	160	68.3	62.9
MAX	180	181	215	215	386	302	341	629	518	576	87	90
MIN	142	158	90	72	135	236	207	158	162	88	54	47
AC-FT	9,690	10,090	10,690	9,660	13,550	16,390	14,430	18,880	14,370	9,850	4,200	3,740
CAL YEAR 1999	TOTAL	199,503	MEAN	547	MAX	7,570	MIN	90	AC-FT	395,700		
WTR YEAR 2000	TOTAL	68,332	MEAN	187	MAX	629	MIN	47	AC-FT	135,500		

E indicates estimated discharge.

# PLATTE RIVER BASIN (ELKHORN RIVER)

**WILLOW CREEK near Foster, 06799080 - 2000**

LOCATION.--NW1/4NE1/4 Section 4-25-3 W., Pierce County, Lat. 42° 10' 38", Long. 97° 40' 02", on left downstream bank at county road bridge, 6.8 miles south of Foster and 7.2 miles southwest of Pierce.

DRAINAGE AREA.--137 square miles.

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

PERIOD OF RECORD.--1975 - present

REMARKS.--Published by U. S. Geological Survey up to October 1, 1993. Records are good, except estimated 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 30, gage height 6.34 feet; minimum daily discharge 5.6 cubic feet per second August 31 and September 2.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	11	12	14	14E	19	15	17	87	12	8.9	5.7
2	9.8	11	12	14	18E	18	15	16	73	11	9.5	5.6
3	9.9	11	12	11 E	16E	17	15	15	58	11	9.2	6.1
4	9.9	11	12	8.4E	12E	17	15	14	56	11	9.1	6.8
5	9.9	11	11 E	10 E	13E	17	15	13	39	12	8.5	6.9
6	10	11	10 E	12 E	14E	16	14	13	31	14	7.8	6.9
7	10	11	11 E	14 E	14	16	14	13	26	13	8.4	6.7
8	11	11	12	13 E	14	20	15	13	22	12	7.4	7.0
9	10	11	12	12 E	13	19	14	13	19	11	7.4	6.6
10	10	11	11 E	12 E	13	19	14	13	17	11	7.3	6.3
11	11	11	12	10 E	26	19	14	13	16	28	6.6	6.3
12	11	11	12 E	9.4E	48	18	14	12	15	17	6.4	6.4
13	11	11	12 E	9.0E	23	17	14	12	15	14	6.2	6.7
14	11	11	12 E	14 E	20	17	14	13	15	12	7.2	6.3
15	11	11	12 E	17 E	17	17	14	13	14	11	7.0	6.5
16	11	11	9.4E	11 E	14	16	22	12	14	11	6.6	6.5
17	11	12	9.2E	13 E	14	16	24	13	14	11	6.9	6.5
18	11	12	9.2E	14 E	15	17	22	35	14	12	6.2	6.5
19	11	12	10 E	12 E	18E	18	20	40	13	12	7.3	6.7
20	12	12	9.0E	11 E	14	18	18	90	14	12	8.4	7.2
21	12	12	8.8E	10 E	15	17	18	117	13	11	8.2	7.2
22	11	12	8.8E	11 E	15	17	17	87	13	10	7.9	9.0
23	11	12	9.6E	10 E	21	18	16	47	11	11	7.7	8.8
24	12	12	10 E	12 E	29	22	15	31	15	11	7.2	8.5
25	11	12	15 E	10 E	24	20	15	25	16	10	6.7	8.5
26	12	12	13 E	9.6E	23	20	15	36	16	9.6	6.4	8.4
27	12	12	11 E	9.6E	22	18	21	87	14	9.6	7.2	8.3
28	12	12	13 E	11 E	22	17	18	100	14	8.8	7.4	8.2
29	12	12	14 E	12 E	20	17	17	112	13	8.6	7.2	8.2
30	12	12	14	11 E	-----	16	16	143	13	9.2	6.8	8.2
31	12	-----	14	13 E	-----	15	-----	111	-----	8.5	5.6	-----
TOTAL	340.0	344	353.0	360.0	541	548	490	1,289	710	365.3	230.6	213.5
MEAN	11.0	11.5	11.4	11.6	18.7	17.7	16.3	41.6	23.7	11.8	7.44	7.12
MAX	12	12	15	17	48	22	24	143	87	28	9.5	9.0
MIN	9.5	11	8.8	8.4	12	15	14	12	11	8.5	5.6	5.6
AC-FT	674	682	700	714	1,070	1,090	972	2,560	1,410	725	457	423
CAL YEAR 1999	TOTAL	10,516.0	MEAN	28.8	MAX	306	MIN	8.8	AC-FT	20,860		
WTR YEAR 2000	TOTAL	5,784.4	MEAN	15.8	MAX	143	MIN	5.6	AC-FT	11,470		

E indicates estimated discharge.

# PLATTE RIVER BASIN (ELKHORN RIVER)

**WILLOW CREEK RESERVOIR from Willow Creek, 00410300 - 2000**

LOCATION.--N1/4SE1/4 Sec. 33-26-2 W. near Pierce, Pierce County, Lat. 42° 10' 49", Long. 97° 33' 18", two miles southwest of Pierce, NE.

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 fair.

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5,740	5,810	6,190	6,690	6,950	7,140	7,080	7,100	7,880	6,990E	6,650	5,480
2	5,740	5,800	6,200	6,700	6,980	7,130	7,070	7,100	7,860	6,980E	6,600	5,460
3	5,740	5,810	6,220	6,690	6,970	7,140	7,060	7,100	7,820	6,940E	6,560	5,430
4	5,760	5,830	6,220	6,690	6,950	7,140	7,060	7,080	7,740	6,920E	6,540	5,410
5	5,760	5,820	6,240	6,720	6,970	7,130	7,050	7,060	7,680	6,960E	6,490	5,380
6	5,760	5,850	6,270	6,720	6,960	7,120	7,040	7,050	7,610	6,980E	6,430	5,360
7	5,770	5,870	6,290	6,730E	6,960	7,120	7,020	7,050	7,560	6,980E	6,370	5,360
8	5,760	5,900	6,290	6,730E	6,980	7,110	7,030	7,040E	7,520	6,950E	6,360E	5,280
9	5,780	5,890	6,290	6,740E	6,990	7,090	7,010	6,970	7,400	6,920	6,310	5,250
10	5,760	5,880	6,310	6,750E	6,980	7,090	7,030	6,960	7,350	6,930	6,260	5,240
11	5,770	5,900	6,330	6,750E	6,960	7,100	7,030	6,960	7,300	7,070	6,220	5,210
12	5,770	5,910	6,340	6,770E	6,980	7,080	7,020	6,910	7,270	7,100	6,180	5,190
13	5,760	5,920	6,380	6,780E	6,970	7,090	7,030	6,910	7,240E	7,070	6,120	5,160
14	5,770	5,920	6,400	6,790E	6,990	7,100	6,990	6,920	7,160E	7,060	6,060	5,130
15	5,760	5,940	6,380	6,810E	6,980	7,060	6,990	6,910	7,130E	7,030	5,980	5,100
16	5,760	5,940	6,390	6,820E	6,990	7,060	7,060	6,910	7,100E	6,990	5,950	5,100
17	5,740	5,950	6,420	6,840E	6,990	7,070	7,100	6,910	7,080E	6,960	5,890	5,070
18	5,750	5,970	6,450	6,850E	7,000	7,080	7,110	7,030	7,040E	6,940	5,840	5,060
19	5,740	5,970	6,460	6,860E	7,010	7,080	7,110	7,060	7,040E	6,910	5,830	5,040
20	5,760	5,990	6,460	6,870	7,020	7,090	7,110	7,150	7,040E	6,900	5,820	5,020
21	5,780	5,990	6,480	6,900	7,030	7,100	7,110	7,280	7,010E	6,870	5,780	4,970
22	5,760	6,010	6,480	6,910	7,050	7,110	7,120	7,370	6,990E	6,840	5,760	4,970
23	5,750	6,060	6,520	6,910	7,100	7,130	7,110	7,360	6,960E	6,840	5,760	4,970
24	5,780	6,070	6,540	6,930	7,150	7,150	7,100	7,320	7,030E	6,820	5,720	4,980
25	5,780	6,090	6,590	6,910	7,160	7,150	7,100	7,280	7,080E	6,820	5,690	4,960
26	5,780E	6,110	6,600	6,920	7,150	7,130	7,100	7,430	7,060E	6,780	5,670	4,950
27	5,780	6,130	6,600	6,940	7,160	7,100	7,100	7,460	7,060E	6,780	5,630	4,960
28	5,780	6,130	6,630	6,940	7,170	7,100	7,100	7,520	7,040E	6,730	5,600	4,960
29	5,800	6,150	6,650	6,950	7,150	7,110	7,100	7,600	7,020E	6,680	5,570	4,960
30	5,800	6,170	6,660	6,950	-----	7,110	7,090	7,780E	7,010E	6,680	5,540E	4,970
31	5,820E	-----	6,670	6,960	-----	7,100	-----	7,930	-----	6,660	5,510	-----
MAX	5,820	6,170	6,670	6,960	7,170	7,150	7,120	7,930	7,880	7,100	6,650	5,480
MIN	5,740	5,800	6,190	6,690	6,950	7,060	6,990	6,910	6,960	6,660	5,510	4,950
CHANGE	63	350	498	292	190	-57	-6.4	845	-927	-342	-1,150	-542

CAL YEAR 1999	MEAN	6,865	MAX	8,630	MIN	5,740
WTR YEAR 2000	MEAN	6,557	MAX	7,930	MIN	4,950

E indicates estimated content.

# PLATTE RIVER BASIN (ELKHORN RIVER)

**WILLOW CREEK near Pierce, 00232500 - 2000**

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

DRAINAGE AREA.--21 square miles.

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

PERIOD OF RECORD.--1983 - present

REMARKS.--Records are good.

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 113 cubic feet per second May 31, gage height 4.69 feet; minimum daily discharge 2.8 cubic feet per second, August 15 and 19.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	5.3	5.1	8.2	11	24	19	19	107	12	3.5	3.9
2	5.6	5.3	5.1	8.3	11	24	19	19	99	11	3.4	3.9
3	5.6	5.2	5.1	8.9	12	23	19	18	92	9.6	3.4	3.9
4	5.6	5.1	5.3	9.1	11	23	18	18	83	8.5	3.4	3.9
5	5.6	5.1	5.3	9.3	11	22	18	17	75	7.8	3.8	4.1
6	5.6	5.1	5.4	9.2	12	22	16	16	65	10	3.9	4.3
7	5.6	5.1	5.7	9.4	12	21	16	15	56	11	4.2	4.5
8	5.6	5.1	5.9	9.5	12	24	16	14	51	9.7	3.4	4.3
9	5.4	5.1	6.0	9.4	13	22	15	13	42	8.0	3.2	4.4
10	5.3	5.1	6.1	9.0	13	21	15	12	36	6.9	2.9	4.3
11	5.3	4.9	6.1	8.8	13	21	15	11	31	11	3.1	4.4
12	5.3	4.9	6.5	8.8	13	21	15	10	28	18	3.4	4.5
13	5.3	4.9	6.5	8.4	13	21	14	7.8	25	18	3.2	5.0
14	5.3	4.7	6.3	8.2	13	21	14	6.8	23	15	2.9	5.2
15	5.3	4.6	6.4	8.2	14	20	13	6.8	19	14	2.8	5.4
16	5.3	4.6	6.4	7.9	13	19	17	6.2	16	12	3.1	5.7
17	5.0	4.6	6.5	7.8	13	19	19	6.2	14	9.8	3.3	5.9
18	5.0	4.9	6.7	8.2	14	19	20	9.0	13	7.7	3.1	6.0
19	5.0	5.0	6.7	8.2	14	20	22	12	12	6.4	2.8	6.1
20	4.9	4.9	6.7	8.2	15	20	22	17	13	5.3	3.7	6.3
21	5.0	5.0	6.7	8.3	15	20	21	24	12	4.4	4.1	6.4
22	5.1	5.1	6.7	8.6	15	20	20	36	9.8	3.8	4.3	6.4
23	5.0	4.9	7.0	9.2	17	22	20	40	8.6	4.0	4.2	6.1
24	4.8	4.9	7.3	9.6	21	24	19	36	12	4.1	3.6	5.7
25	4.7	5.1	7.3	10	26	24	19	33	13	4.2	3.4	5.6
26	4.9	5.3	7.5	10	28	25	19	34	15	3.9	3.5	5.6
27	5.0	5.3	7.5	10	26	24	21	42	14	3.4	3.8	6.0
28	5.1	5.3	7.6	10	26	21	20	49	14	3.5	3.9	6.4
29	5.1	5.2	7.9	11	25	21	20	56	13	3.3	3.6	6.1
30	5.1	5.1	7.9	12	-----	20	19	95	13	3.1	3.7	6.1
31	5.1	-----	8.1	12	-----	20	-----	113	-----	3.2	3.9	-----
TOTAL	162.1	150.7	201.3	283.7	452	668	540	811.8	1,024.4	252.6	108.5	156.4
MEAN	5.23	5.02	6.49	9.15	15.6	21.5	18.0	26.2	34.1	8.15	3.50	5.21
MAX	5.6	5.3	8.1	12	28	25	22	113	107	18	4.3	6.4
MIN	4.7	4.6	5.1	7.8	11	19	13	6.2	8.6	3.1	2.8	3.9
AC-FT	322	299	399	563	897	1,320	1,070	1,610	2,030	501	215	310
CAL YEAR 1999	TOTAL	12,206.3	MEAN	33.4	MAX	273	MIN	2.6	AC-FT	24,210		
WTR YEAR 2000	TOTAL	4,811.5	MEAN	13.1	MAX	113	MIN	2.8	AC-FT	9,540		

# PLATTE RIVER BASIN (ELKHORN RIVER)

**UNION CREEK at Madison, 06799230 - 2000**

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 6,550 cubic feet per second July 6, gage height 23.23 feet; minimum daily discharge 3.7 cubic feet per second August 16.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	19	21	29	25	25	24	20	23	22	12	9.0
2	17	20	22	29	24	25	25	21	23	22	13	11
3	19	20	22	29	25	25	24	20	20	20	13	11
4	19	19	22	28	25	26	25	20	44	22	13	12
5	19	18	22	26	24	25	24	18	21	1,440	14	9.9
6	20	19	22	25	25	26	23	19	18	4,380	13	8.2
7	19	19	21	25	26	26	25	21	19	2,390	7.0E	11
8	19	19	22	25	27	29	23	22	16	194	6.0E	9.1
9	19	19	22	25	27	28	26	21	16	62	8.0E	8.9
10	19	22	22	25	27	26	26	20	16	49	11	11
11	19	19	22	25	26	23	25	19	15	364	12	14
12	19	19	23	25	25	24	24	18	16	222	9.8	12
13	21	19	23	26	26	25	24	18	17	67	8.2	11
14	19	19	23	26	26	27	24	18	15	45	8.6	12
15	19	22	23	25	26	27	23	17	13	36	5.3	12
16	19	20	23	26	25	26	24	18	14	34	3.7	11
17	20	20	24	26	27	25	22	31	15	33	5.1	12
18	20	21	24	25	26	28	23	69	14	31	5.9	11
19	20	20	24	25	25	30	49	28	19	28	6.1	12
20	20	21	23	24	26	32	35	22	183	29	10	12
21	20	20	22	24	30	29	26	45	107	28	12	12
22	24	20	22	24	34	28	25	25	27	27	10	15
23	20	25	22	24	49	35	25	19	26	26	12	15
24	19	25	23	24	70	42	23	16	602	25	11	14
25	18	24	25	25	47	36	22	17	1,030	23	12	15
26	19	22	27	25	38	29	22	32	893	18	12	14
27	19	22	27	26	31	27	22	45	169	17	17	17
28	20	22	28	25	28	26	22	31	36	18	11	13
29	20	21	29	24	27	25	21	24	27	20	7.1	12
30	19	22	30	24	-----	24	21	23	25	18	7.7	12
31	20	-----	29	24	-----	24	-----	22	-----	16	8.7	-----
TOTAL	601	617	734	788	867	853	747	759	3,479	9,726	305.2	359.1
MEAN	19.4	20.6	23.7	25.4	29.9	27.5	24.9	24.5	116	314	9.85	12.0
MAX	24	25	30	29	70	42	49	69	1,030	4,380	17	17
MIN	17	18	21	24	24	23	21	16	13	16	3.7	8.2
AC-FT	1,190	1,220	1,460	1,560	1,720	1,690	1,480	1,510	6,900	19,290	605	712
CAL YEAR 1999	TOTAL	23,744.0	MEAN	65.1	MAX	5,320	MIN	10	AC-FT	47,100		
WTR YEAR 2000	TOTAL	19,835.3	MEAN	54.2	MAX	4,380	MIN	3.7	AC-FT	39,340		

E indicates estimated discharge.

# PLATTE RIVER BASIN (ELKHORN RIVER)

**PEBBLE CREEK at Scribner, 06799385 - 2000**

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 4,140 cubic feet per second July 6, gage height 15.79 feet; minimum daily discharge 15 cubic feet per second September 15 and 18.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	47	48	41	45E	49	36	34	34	33	23	17
2	44	45	47	41	50	44	36	33	35	34	23	19
3	45	46	49	40	44	44	36	32	33	37	29	19
4	45	44E	45E	35E	40	43	34	37	40	37	24	19
5	46	46	44E	40E	40	43	35	43	37	36	23	18
6	47	46	43	40E	44	41	35	35	33	1,660	22	18
7	47	47	45	48E	42	40	35	37	37	283	20	18
8	47	47	46	45E	42	43	35	39	37	89	21	17
9	47	48	44	43	48	42	34	38	40	56	18	17
10	45	47	42	41	46	39	35	35	38	44	19	17
11	45	45	43	38	38	40	36	37	38	39	18	16
12	46	46	43	40E	45	40	34	40	39	267	18	16
13	46	47	42	38	44	40	33	34	41	74	21	16
14	46	46	44	42E	42	40	34	30	37	42	26	16
15	47	46	43	40E	45	41	34	29	30	37	22	15
16	46	47	39	38	41	39	46	30	47	41	21	16
17	44	47	35E	43	45	40	55	29	45	130	20	16
18	46	48	37E	42	40	44	41	35	43	40	20	15
19	47	46	32E	40	39	49	38	28	41	36	21	16
20	47	45	30E	35E	44	45	36	28	28	35	23	17
21	48	46	31E	37E	51	42	36	30	42	33	23	17
22	48	47	34E	39E	57	41	34	28	35	30	21	18
23	46	45E	36E	40	61	42	33	27	34	30	20	19
24	47	45E	36E	40	80	56	33	27	580	30	21	19
25	48	47	37E	41	64	44	32	27	895	28	21	18
26	49	47	38E	36E	54	39	33	32	910	25	20	19
27	49	46	39E	36E	47	38	36	55	105	24	19	19
28	48	45	41	38E	45	37	33	39	58	50	18	18
29	49	45	44	38E	46	37	33	34	41	29	19	17
30	49	46	42	39E	-----	37	33	36	37	26	19	17
31	48	-----	40	36E	-----	36	-----	35	-----	25	18	-----
TOTAL	1,446	1,385	1,259	1,230	1,369	1,295	1,074	1,053	3,490	3,380	651	519
MEAN	46.6	46.2	40.6	39.7	47.2	41.8	35.8	34.0	116	109	21.0	17.3
MAX	49	48	49	48	80	56	55	55	910	1,660	29	19
MIN	44	44	30	35	38	36	32	27	28	24	18	15
AC-FT	2,870	2,750	2,500	2,440	2,720	2,570	2,130	2,090	6,920	6,700	1,290	1,030
CAL YEAR 1999	TOTAL	48,586	MEAN	133	MAX	6,410	MIN	30	AC-FT	96,370		
WTR YEAR 2000	TOTAL	18,151	MEAN	49.6	MAX	1,660	MIN	15	AC-FT	36,000		

E indicates estimated discharge.

# PLATTE RIVER BASIN (ELKHORN RIVER)

## LOGAN CREEK at Pender, 06799450 - 2000

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

DRAINAGE AREA.--731 square miles.

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

PERIOD OF RECORD.--1965 - present

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 5,060 cubic feet per second June 26, gage height 12.13 feet; minimum daily discharge 66 cubic feet per second September 14 & 15.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	143	145	151	140E	180E	161	137	148	220	318	111	78
2	146	143	152	145E	190E	159	139	143	187	284	106	76
3	146	146	154	145E	210E	159	140	136	175	256	103	76
4	147	150	153	140E	210E	159	140	133	365	240	100	77
5	147	150	152	135E	190E	159	140	130	296	235	109	79
6	146	149	152	125E	140E	158	136	129	190	238	148	80
7	146	150	156	120E	135E	156	135	131	175	217	115	77
8	147	152	160	118E	130E	160	139	139	166	203	105	75
9	148	154	158	116E	130E	150E	137	142	159	192	96	74
10	145	154	151	110E	135E	160	137	135	156	230	88	70
11	144	151	157	111E	130E	156	136	134	153	229	83	70
12	145	152	159	116E	125E	156	136	132	153	489	80	68
13	145	156	157	110E	120E	156	135	129	180	240	77	67
14	145	153	164	122E	120E	155	136	127	474	194	74	66
15	146	155	160	160E	116E	155	139	129	237	182	71	66
16	144	153	147	220E	125E	152	159	131	195	174	70	67
17	141	155	140E	200E	120E	152	206	131	183	170	70	68
18	143	156	135E	160E	130E	157	184	955	175	166	69	67
19	144	157	130E	140E	136	163	167	503	177	164	74	70
20	147	159	125E	150E	146	163	157	214	230	161	86	73
21	147	156	120E	170E	165	158	149	187	376	154	89	75
22	146	155	110E	210E	183	153	145	164	211	148	90	85
23	143	164	120E	250E	194	152	144	155	192	147	89	93
24	145	166	120E	260E	274	167	140	146	1,920	139	87	84
25	147	160	110E	240E	217	167	139	138	1,900	205	84	81
26	146	157	110E	200E	193	152	140	158	3,330	219	82	77
27	145	159	120E	160E	173	143	146	421	1,420	148	81	75
28	145	159	130E	160E	153	139	150	299	1,830	134	81	74
29	147	153	140E	160E	163	139	150	203	557	127	81	73
30	149	151	150E	165E	-----	135	148	359	369	120	79	72
31	148	-----	145E	167E	-----	140	-----	448	-----	119	80	-----
TOTAL	4,513	4,620	4,388	4,925	4,633	4,791	4,386	6,629	16,351	6,242	2,758	2,233
MEAN	146	154	142	159	160	155	146	214	545	201	89.0	74.4
MAX	149	166	164	260	274	167	206	955	3,330	489	148	93
MIN	141	143	110	110	116	135	135	127	153	119	69	66
AC-FT	8,950	9,160	8,700	9,770	9,190	9,500	8,700	13,150	32,430	12,380	5,470	4,430
CAL YEAR 1999 TOTAL		114,867	MEAN	315	MAX	2,490	MIN	110	AC-FT	227,800		
WTR YEAR 2000 TOTAL		66,469	MEAN	182	MAX	3,330	MIN	66	AC-FT	131,800		

E indicates estimated discharge.

# REPUBLICAN RIVER BASIN

**HAIGLER CANAL from Republican River, 00061000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11						0	39	23	23	22	17
2	11						0	39	21	23	22	17
3	11						0	38	20	22	21	19
4	11						0	38	20	21	19	18
5	11						0	37	20	20	24	23
6	11						0	37	20	19	24	24
7	11						0	36	20	17	24	20
8	11						0	36	20	14	23	20
9	11						0	29	19	14	23	22
10	12						0	25	19	15	23	23
11	12						0	25	18	14	23	23
12	12						0	23	20	15	23	22
13	12						0	23	20	16	22	20
14	12						0	23	20	15	19	19
15	13						0	23	20	14	18	18
16	13						0	24	20	15	19	18
17	13						0	22	20	17	19	19
18	13						0	21	25	20	19	18
19	13						0	21	26	21	19	17
20	15						0	22	24	25	20	24
21	15						0	22	25	36	24	23
22	14						0	22	23	11	26	26
23	14						0	22	28	23	25	25
24	14						0	21	29	28	21	24
25	14						0	19	31	27	17	23
26	14						19	18	30	23	17	22
27	15						26	20	31	20	19	22
28	17						27	20	27	23	21	22
29	17						30	21	19	21	20	22
30	17				-----		39	21	24	21	18	16
31	9.7	-----			-----		-----	21	-----	22	17	-----
TOTAL	399.7						141	808	682	615	651	626
MEAN	12.9						4.70	26.1	22.7	19.8	21.0	20.9
MAX	17						39	39	31	36	26	26
MIN	9.7						0	18	18	11	17	16
AC-FT	793						280	1,600	1,350	1,220	1,290	1,240
CAL YEAR 1999	MAX	37	MIN	0	AC-FT	8,180						
WTR YEAR 2000	MAX	39	MIN	0	AC-FT	7,780						



# REPUBLICAN RIVER BASIN

## HAIGLER CANAL from Republican River, 00061400 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11						0	25	20	19	15	13
2	10						0	22	18	20	16	15
3	11						0	25	18	20	15	15
4	10						0	23	18	20	9.0	13
5	11						0	22	20	19	15	16
6	11						0	23	18	16	17	17
7	11						0	24	17	11	18	17
8	11						0	26	20	9.2	20	14
9	11						0	22	14	8.2	20	18
10	11						0	18	9.0	9.0	20	19
11	11						0	19	12	7.1	20	17
12	11						0	16	13	8.9	19	16
13	11						0	18	12	11	18	17
14	11						0	18	11	9.2	17	18
15	9.5						0	17	11	9.4	16	16
16	12						0	17	12	12	12	16
17	13						0	17	14	11	14	16
18	12						0	16	16	13	13	16
19	12						0	17	15	14	14	14
20	12						0	18	15	14	14	20
21	13						0	18	15	23	19	21
22	13						0	18	13	7.5	20	20
23	12						0	17	17	13	19	22
24	13						0	17	19	15	15	19
25	11						0	16	23	13	11	19
26	9.7						16	16	22	12	12	18
27	8.9						18	18	23	11	13	18
28	12						17	19	20	16	14	19
29	12						18	20	9.8	15	14	20
30	11						28	21	18	16	13	15
31	7.5	-----			-----		-----	21	-----	17	13	-----
TOTAL	345.6						97	604	482.8	419.5	485.0	514
MEAN	11.1						3.23	19.5	16.1	13.5	15.6	17.1
MAX	13						28	26	23	23	20	22
MIN	7.5						0	16	9.0	7.1	9.0	13
AC-FT	685						192	1,200	958	832	962	1,020
CAL YEAR 1999	MAX	33	MIN	0	AC-FT	6,470						
WTR YEAR 2000	MAX	28	MIN	0	AC-FT	5,850						

# REPUBLICAN RIVER BASIN

**HAIGLER CANAL SPILLBACK to Arikaree River, 00061500 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.1	4.9					0	.18	0	0	0	.73
2	5.6	0					0	0	0	0	0	1.0
3	5.7	0					0	0	0	0	0	.76
4	5.3	0					0	0	0	0	0	.41
5	5.1	0					0	0	0	0	.51	1.0
6	4.3	0					0	0	0	0	.23	2.0
7	4.0	0					0	0	0	0	1.0	1.1
8	4.8	0					0	0	0	0	2.7	.70
9	4.3	0					0	0	0	0	1.7	.15
10	4.5	0					0	0	0	0	1.4	.43
11	4.9	0					0	0	0	0	.92	.42
12	4.9	0					0	0	0	0	1.0	.30
13	6.1	0					0	0	0	0	0	0
14	7.6	0					0	.02	0	0	0	0
15	6.8	0					0	0	0	0	0	.23
16	7.9	0					0	0	0	0	0	.20
17	8.6	0					0	0	0	0	0	0
18	8.9	0					0	0	0	0	0	0
19	7.4	0					0	0	0	0	.05	0
20	7.2	0					0	0	0	0	0	.98
21	8.4	0					4.8	0	0	.33	.29	5.2
22	9.0	0					7.5	0	0	.01	.39	7.9
23	8.7	0					7.5	0	0	0	0	7.6
24	8.8	0					3.2	0	0	0	0	8.2
25	8.4	0					1.6	0	0	0	0	12
26	6.8	0					.34	0	0	0	.07	10
27	6.6	0					0	0	0	0	0	8.5
28	8.3	0					0	0	0	0	0	5.5
29	12	0					0	0	0	0	1.0	6.3
30	12	0					0	0	0	0	3.0	7.2
31	10	-----					-----	0	-----	0	.41	-----
TOTAL	220.0	4.9					24.94	0.20	0	0.34	14.67	88.81
MEAN	7.10	.16					.83	.006	0	.011	.47	2.96
MAX	12	4.9					7.5	.18	0	.33	3.0	12
MIN	4.0	0					0	0	0	0	0	0
AC-FT	436	9.7					49	.4	0	.7	29	176
CAL YEAR 1999	MAX	20	MIN	0	AC-FT	2,650						
WTR YEAR 2000	MAX	12	MIN	0	AC-FT	702						

# REPUBLICAN RIVER BASIN

**MEEKER-DRIFTWOOD CANAL from Republican River, 00087000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	127	208	
2									0	126	223	
3									0	135	225	
4									0	202	224	
5									57	213	222	
6									65	212	222	
7									57	211	213	
8									78	210	202	
9									86	209	191	
10									86	216	169	
11									86	226	168	
12									87	230	172	
13									95	223	172	
14									110	218	157	
15									150	217	147	
16									161	216	150	
17									170	221	148	
18									168	186	146	
19									167	228	146	
20									175	234	144	
21									186	198	171	
22									189	178	191	
23									184	177	192	
24									181	165	163	
25									180	169	62	
26									163	182	0	
27									150	185	0	
28									146	173	0	
29									140	168	0	
30					-----				130	167	0	
31		-----			-----		-----		-----	181	0	-----
TOTAL									3,447	6,003	4,428	
MEAN									115	194	143	
MAX									189	234	225	
MIN									0	126	0	
AC-FT									6,840	11,910	8,780	
CAL YEAR 1999	MAX	253	MIN	0	AC-FT	23,220						
WTR YEAR 2000	MAX	234	MIN	0	AC-FT	27,530						

# REPUBLICAN RIVER BASIN

**SWANSON LAKE near Trenton, 06829000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47,860	48,230	50,260	53,490	57,610	62,620	68,880	72,480	72,520	58,020	40,220	25,730
2	47,800	48,290	50,380	53,660	57,820	62,760	69,180	72,590	72,320	57,680	39,490	25,690
3	47,760	48,320	50,480	53,760	57,950	63,150	69,330	72,710	72,240	57,310	38,750	25,670
4	47,800	48,320	50,610	53,920	58,160	63,370	69,480	72,750	72,130	56,800	38,120	25,650
5	47,830	48,360	50,700	53,920	58,330	63,580	69,710	72,860	72,050	56,320	37,450	25,600
6	47,800	48,420	50,740	54,020	58,500	63,760	69,790	72,860	71,860	55,920	36,760	25,540
7	47,860	48,480	50,860	54,150	58,640	63,910	69,980	72,980	71,630	55,250	36,050	25,520
8	47,890	48,550	50,960	54,250	58,810	64,380	70,060	73,140	71,430	54,480	35,400	25,480
9	47,890	48,610	51,020	54,350	58,950	64,520	70,170	73,180	71,160	53,760	34,740	25,430
10	47,920	48,700	51,120	54,480	59,090	64,700	70,250	73,180	70,060	53,100	34,160	25,390
11	47,920	48,770	51,220	54,580	59,290	64,960	70,400	73,340	69,450	52,680	33,640	25,370
12	47,950	48,830	51,310	54,720	59,430	65,170	70,550	73,340	69,300	51,960	32,940	25,280
13	47,980	48,890	51,380	54,850	59,570	65,360	70,660	73,300	68,920	51,180	32,270	25,260
14	47,980	48,960	51,500	54,980	59,710	65,580	70,740	73,220	68,470	50,410	31,790	25,200
15	48,010	49,020	51,600	55,150	59,950	65,760	70,850	73,140	67,720	49,650	31,240	25,170
16	47,920	49,080	51,640	55,320	60,050	65,870	71,050	73,100	66,790	48,890	30,680	25,130
17	47,920	49,140	51,700	55,450	60,190	66,020	71,050	73,100	66,130	48,170	30,230	25,070
18	47,920	49,240	51,800	55,620	60,470	66,200	71,160	73,100	65,320	47,550	29,660	25,020
19	47,920	49,270	51,930	55,890	60,720	66,460	71,360	73,020	64,560	46,900	29,080	25,000
20	47,950	49,300	52,020	56,020	60,820	66,530	71,510	72,980	63,940	46,280	28,520	25,170
21	47,950	49,370	52,120	56,120	61,000	66,720	71,550	72,940	63,330	45,880	28,040	25,130
22	47,920	49,430	52,220	56,290	61,100	67,050	71,590	72,900	62,760	45,490	27,460	25,090
23	47,980	49,590	52,320	56,460	61,420	67,270	71,630	72,860	62,230	44,970	26,910	25,020
24	48,010	49,710	52,450	56,590	61,630	67,530	71,700	72,830	61,700	44,490	26,400	25,070
25	48,040	49,780	52,580	56,690	61,800	67,640	71,970	72,750	61,100	43,980	26,030	25,090
26	48,040	49,870	52,740	56,800	62,190	67,870	72,010	72,630	60,510	43,480	25,970	25,070
27	48,110	49,930	52,900	56,900	62,230	68,060	72,130	72,790	59,950	42,860	25,950	25,070
28	48,110	49,970	53,100	57,100	62,300	68,170	72,130	72,710	59,460	42,360	25,920	25,040
29	48,170	50,030	53,160	57,240	62,370	68,280	72,170	72,670	59,020	41,840	25,860	25,020
30	48,200	50,160	53,300	57,370	-----	68,500	72,440	72,630	58,500	41,380	25,820	25,020
31	48,200	-----	53,390	57,510	-----	68,620	-----	72,550	-----	40,810	25,780	-----
MAX	48,200	50,160	53,390	57,510	62,370	68,620	72,440	73,340	72,520	58,020	40,220	25,730
MIN	47,760	48,230	50,260	53,490	57,610	62,620	68,880	72,480	58,500	40,810	25,780	25,000
CHANGE	410	1,960	3,230	4,120	4,860	6,250	3,820	110	-14,050	-17,690	-15,030	-760
CAL YEAR 1999			MEAN	61,136	MAX	80,160	MIN	47,730				
WTR YEAR 2000			MEAN	53,833	MAX	73,340	MIN	25,000				

# REPUBLICAN RIVER BASIN

**REPUBLICAN RIVER near Trenton, 00126700 - 2000**

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

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

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

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

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	50	91	
2									0	50	111	
3									0	50	121	
4									0	50	121	
5									0	52	121	
6									0	75	121	
7									0	75	117	
8									0	90	117	
9									142	111	117	
10									200	137	109	
11									183	150	108	
12									149	150	121	
13									149	147	121	
14									147	147	121	
15									147	142	117	
16									147	140	117	
17									172	130	117	
18									189	114	117	
19									162	107	112	
20									147	107	112	
21									130	89	112	
22									121	67	112	
23									121	60	105	
24									121	54	16	
25									119	51	0	
26									107	60	0	
27									99	77	0	
28									87	77	0	
29									80	75	0	
30					-----				62	75	0	
31		-----			-----		-----		-----	75	0	-----
TOTAL									2,981	2,834	2,654	
MEAN									99.4	91.4	85.6	
MAX									200	150	121	
MIN									0	50	0	
AC-FT									5,910	5,620	5,260	
CAL YEAR 1999	MAX	151	MIN	0	AC-FT	11,380						
WTR YEAR 2000	MAX	200	MIN	0	AC-FT	16,800						

# REPUBLICAN RIVER BASIN

**FRENCHMAN CREEK near Imperial, 06831500 - 2000**

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 49 cubic feet per second July 10, gage height 1.61 ft.; minimum daily discharge 5.5 cubic feet per second August 28.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	16	19	18	20	21	23	22	16	9.5	6.4	6.6
2	17	16	19	17	20	21	23	21	14	9.4	6.3	6.7
3	17	16	19	18	20	22	23	21	13	9.0	6.8	6.4
4	18	16	19	17	20	22	22	20	13	8.8	6.6	6.3
5	18	16	19	18	20	21	22	19	12	8.6	6.4	6.3
6	13	16	19	19	20	21	21	19	11	8.3	6.8	6.1
7	11	16	19	19	20	21	21	19	11	7.8	6.7	6.0
8	11	16	19	19	20	26	20	20	10	7.5	6.5	6.3
9	11	16	19	18	20	24	20	19	9.8	7.3	6.4	6.3
10	11	16	19	18	20	26	20	19	9.6	9.8	6.0	6.1
11	11	15	19	18	21	25	20	18	9.6	9.0	5.8	6.1
12	11	15	19	18	21	24	20	18	9.6	8.2	6.0	6.1
13	11	16	19	19	20	23	20	17	9.6	8.0	6.4	6.2
14	11	16	19	19	20	23	20	17	9.7	7.6	6.4	6.2
15	15	15	18	19	21	22	20	17	9.4	7.4	6.2	6.2
16	16	16	19	19	21	22	20	17	9.3	8.4	6.2	6.1
17	16	16	20	19	21	22	20	17	10	8.5	6.3	5.9
18	16	16	20	19	22	22	20	17	10	8.5	6.4	5.8
19	16	17	19	19	22	22	20	17	10	8.2	6.5	6.5
20	16	16	18	19	22	22	20	17	9.6	8.0	6.6	8.8
21	16	17	18	19	23	23	19	17	9.4	7.9	6.6	7.3
22	16	18	18	19	23	23	20	17	9.6	8.1	6.2	7.4
23	16	19	18	19	23	23	20	16	10	7.8	6.0	7.6
24	16	19	18	19	23	21	20	16	10	7.3	6.2	9.1
25	16	18	18	19	23	18	20	15	11	7.1	5.8	8.8
26	16	18	18	19	23	17	19	16	11	6.8	5.6	8.5
27	17	19	18	20	21	17	19	17	11	6.9	5.9	8.1
28	17	19	18	20	22	17	18	16	11	7.1	5.5	7.6
29	16	18	18	20	22	18	19	16	10	6.8	5.7	7.6
30	16	18	18	20	-----	21	23	15	9.8	6.7	6.4	7.2
31	16	-----	18	20	-----	22	-----	16	-----	6.6	6.6	-----
TOTAL	462	501	578	583	614	672	612	548	319.0	246.9	194.2	206.2
MEAN	14.9	16.7	18.6	18.8	21.2	21.7	20.4	17.7	10.6	7.96	6.26	6.87
MAX	18	19	20	20	23	26	23	22	16	9.8	6.8	9.1
MIN	11	15	18	17	20	17	18	15	9.3	6.6	5.5	5.8
AC-FT	916	994	1,150	1,160	1,220	1,330	1,210	1,090	633	490	385	409
CAL YEAR 1999	TOTAL	6,714.0	MEAN	18.4	MAX	75	MIN	11	AC-FT	13,320		
WTR YEAR 2000	TOTAL	5,536.3	MEAN	15.1	MAX	26	MIN	5.5	AC-FT	10,980		

# REPUBLICAN RIVER BASIN

**FRENCHMAN CREEK near Enders, 06832500 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0E	169	108	
2									0E	163	110	
3									0E	145	118	
4									0E	136	114	
5									0E	118	117	
6									0E	123	128	
7									0E	133	131	
8									0E	143	128	
9									0E	160	107	
10									0E	163	21	
11									0E	166	0E	
12									0E	159	0E	
13									0E	163	0E	
14									11	163	0E	
15									59	170	0E	
16									71	178	0E	
17									88	156	0E	
18									94	134	0E	
19									103	127	0E	
20									103	117	0E	
21									133	123	0E	
22									200	120	0E	
23									223	97	0E	
24									220	87	0E	
25									216	92	0E	
26									222	114	0E	
27									229	125	0E	
28									193	135	0E	
29									176	136	0E	
30					-----				169	136	0E	
31		-----			-----		-----		-----	119	0E	-----
TOTAL									2,510	4,270	1,082	
MEAN									83.7	138	34.9	
MAX									229	178	131	
MIN									0	87	0	
AC-FT									4,980	8,470	2,150	
CAL YEAR 1999	MAX	204	MIN	0	AC-FT	11,630						
WTR YEAR 2000	MAX	229	MIN	0	AC-FT	15,590						

E indicates estimated discharge.

# REPUBLICAN RIVER BASIN

**STINKING WATER CREEK near Palisade, 06835000 - 2000**

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 36 cubic feet per second March 10, gage height 2.98 feet; minimum daily discharge 6.1 cubic feet per second August 30.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	23	26	26	23E	27	27	23	17	11	8.5	6.9
2	24	22	26	26	24	28	27	25	17	11	8.0	7.1
3	24	22	25	25	25	28	27	24	16	10	8.8	6.9
4	24	23	25	25E	26	30	27	23	16	10	8.7	6.7
5	24	23	25	24E	26	30	26	23	16	10	9.3	6.6
6	24	23	25	25	25	29	26	22	16	10	8.4	6.7
7	24	23	24	24	26	28	26	21	15	10	8.3	6.4
8	24	24	24	24	26	29	26	21	14	9.8	8.1	7.2
9	26	24	24	24	27	31	25	21	13	9.8	7.8	8.3
10	25	24	25	25	26E	35	25	21	13	9.7	7.4	6.8
11	25	23	24	25	26E	32	24	21	14	9.6	6.9	6.8
12	25	24	25	24	25E	32	24	20	13	9.4	6.7	6.8
13	25	24	24	24	24	32	24	19	13	9.1	6.9	6.9
14	25	24	24	24	26	31	24	19	13	8.7	7.1	7.2
15	25	24	24	24	25	31	24	19	13	8.2	6.8	6.9
16	24	24	24	24	28	30	23	18	13	8.4	7.0	6.9
17	24	24	24	24	29	28	23	19	13	10	6.4	7.1
18	25	24	26	24	30	27	23	19	13	11	6.4	7.3
19	23	24	26	25	28	27	23	19	13	11	6.8	7.3
20	24	24	26	26	28	28	23	19	13	10	7.3	9.5
21	23	24	25	26	29	28	23	19	12	11	7.6	9.9
22	23	24	24	26	30	28	23	19	12	12	7.3	10
23	24	25	25	26	31	28	23	18	12	12	6.9	9.8
24	24	25	25	26	31	29	22	17	12	11	7.0	11
25	23	26	25	25	30	29	22	16	12	11	7.2	11
26	23	26	25	26	30	28	24	17	12	10	7.2	12
27	23	26	25	26	29	28	23	17	11	9.8	7.1	11
28	23	25	25	25	29	27	22	17	12	9.2	6.6	11
29	23	26	25	25	28	26	21	17	12	9.2	6.5	11
30	23	26	25	26	-----	25	23	16	11	9.3	6.1	11
31	23	-----	26	25	-----	26	-----	16	-----	9.1	6.3	-----
TOTAL	745	723	771	774	790	895	723	605	402	310.3	227.4	250.0
MEAN	24.0	24.1	24.9	25.0	27.2	28.9	24.1	19.5	13.4	10.0	7.34	8.33
MAX	26	26	26	26	31	35	27	25	17	12	9.3	12
MIN	23	22	24	24	23	25	21	16	11	8.2	6.1	6.4
AC-FT	1,480	1,430	1,530	1,540	1,570	1,780	1,430	1,200	797	615	451	496
CAL YEAR 1999 TOTAL		10,047.0	MEAN	27.5	MAX	243	MIN	11	AC-FT	19,930		
WTR YEAR 2000 TOTAL		7,215.7	MEAN	19.7	MAX	35	MIN	6.1	AC-FT	14,310		

E indicates estimated discharge.



# REPUBLICAN RIVER BASIN

## CULBERTSON CANAL from Frenchman River, 00035000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							0	40	33	143	128	
2							0	41	33	143	119	
3							0	36	33	144	114	
4							0	31	33	137	116	
5							28	30	33	129	112	
6							38	30	34	121	110	
7							43	30	31	118	117	
8							43	33	28	122	121	
9							43	36	30	124	124	
10							43	39	27	135	117	
11							43	38	27	145	84	
12							43	35	27	150	52	
13							42	34	27	148	42	
14							42	34	25	149	35	
15							39	34	23	149	11	
16							38	34	21	150	0	
17							38	34	45	161	0	
18							37	32	64	158	0	
19							37	34	72	143	0	
20							37	34	79	132	0	
21							37	33	83	130	0	
22							39	33	84	133	0	
23							36	32	120	133	0	
24							36	31	153	120	0	
25							36	31	159	111	0	
26							36	31	161	105	0	
27							37	30	163	116	0	
28							38	31	173	122	0	
29							36	31	164	130	0	
30					-----		40	31	152	132	0	
31		-----			-----		-----	32	-----	135	0	-----
TOTAL							1,005	1,035	2,137	4,168	1,402	
MEAN							33.5	33.4	71.2	134	45.2	
MAX							43	41	173	161	128	
MIN							0	30	21	105	0	
AC-FT							1,990	2,050	4,240	8,270	2,780	
CAL YEAR 1999	MAX	194	MIN	0	AC-FT	20,950						
WTR YEAR 2000	MAX	173	MIN	0	AC-FT	19,330						

# REPUBLICAN RIVER BASIN

**RIVERSIDE CANAL from Frenchman River, 00127000 - 2000**

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

GAGE.--Continuous stage recorder with rated weir

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									13	19	7.9	12
2									14	19	4.2	13
3									14	18	2.0	12
4									13	17	.98	10
5									13	18	.51	7.3
6									12	18	1.7	5.0
7									12	15	7.5	3.3
8									12	13	4.5	2.2
9									11	13	2.2	1.5
10									11	13	1.0	2.0
11									10	14	.61	3.2
12									14	13	3.6	3.8
13									18	14	8.4	3.8
14									17	12	5.2	3.6
15									17	10	4.3	3.0
16									16	7.7	16	2.4
17									17	12	16	1.5
18									18	17	16	.90
19									17	13	15	.46
20									17	13	15	.24
21									16	16	16	1.4
22									16	16	15	8.9
23								0	16	13	15	12
24								0	18	8.8	14	12
25								1.6	18	3.9	13	13
26								13	19	.90	14	14
27								13	20	.13	13	16
28								13	20	.13	11	19
29								12	21	.49	8.4	18
30					-----			12	19	1.4	9.5	18
31		-----			-----		-----	12	-----	5.5	11	-----
TOTAL								76.6	469	354.95	272.50	223.50
MEAN								8.51	15.6	11.5	8.79	7.45
MAX								13	21	19	16	19
MIN								0	10	.13	.51	.24
AC-FT								152	930	704	541	443
CAL YEAR 1999	MAX	16	MIN	0	AC-FT	1,450						
WTR YEAR 2000	MAX	21	MIN	0	AC-FT	2,770						

# REPUBLICAN RIVER BASIN

## RED WILLOW CREEK above Hugh Butler Lake, 06837300 - 2000

LOCATION.--NE1/4SE1/4 Sec. 13-5-31 W., Hayes County, Lat. 40°24'05", Long. 100°46'45", on the left bank 15 feet upstream from the County road bridge; 7.0 miles upstream from Red Willow Dam; 12 miles northeast of Culbertson and 16 miles north west of McCook.

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

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

PERIOD OF RECORD.--1960 - present

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

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 4,020 cubic feet per second June 16, 1972, gage height 13.27 feet (at different datum); minimum daily discharge 3.1 cubic feet per second July 12, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharge 42 cubic feet per second March 11, gage height 3.63 feet; minimum daily discharge 5.0 cubic feet per second August 31.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	16	21	23	17E	26	21	25	13	8.4	7.4	5.1
2	16	16	21	23	16E	24	21	26	13	8.2	7.0	5.3
3	16	16	21	21E	18E	25	21	23	12	8.1	7.8	5.3
4	15	17	21	17E	19E	28	21	22	11	11	8.3	5.2
5	15	17	20E	14E	20E	28	20	20	11	8.7	7.8	5.3
6	15	17	19E	13E	20E	28	20	19	11	8.6	7.3	5.7
7	14	17	19E	14E	21	27	19	18	9.9	8.2	7.1	5.6
8	15	17	20	15E	21	32	19	18	9.9	7.7	6.8	5.7
9	14	17	20	17E	21	37	18	18	8.9	7.2	6.9	6.0
10	15	17	19E	19E	21E	38	18	18	8.3	7.1	6.6	7.0
11	15	17	19E	20	20E	41	18	18	8.1	7.1	6.3	6.7
12	17	17	19E	19	20E	37	18	18	7.8	7.0	5.9	6.1
13	17	17	18E	19	20E	31	18	17	7.7	7.0	6.0	6.0
14	17	17	19E	20	21E	28	18	16	7.5	7.0	6.5	5.5
15	16	17	17E	20	21E	29	18	15	7.8	6.9	6.6	5.6
16	15	18	18E	20	22E	29	18	15	7.5	6.6	6.3	5.5
17	15	17	19	20	24E	26	18	15	7.7	7.0	5.7	5.4
18	16	18	19	21	29E	25	18	14	7.9	7.5	5.6	5.3
19	16	19	18E	21	28E	24	19	14	8.6	7.3	5.8	5.5
20	16	19	16E	22	27E	23	19	14	8.3	7.7	6.1	7.6
21	16	19	16E	23	24E	23	20	15	8.2	8.9	6.0	8.5
22	16	20	17E	23	24E	24	19	15	7.4	22	5.6	8.5
23	16	20	18E	23	28E	24	19	14	8.3	27	5.4	8.7
24	16	21	19E	22E	31	25	19	14	8.3	11	6.5	9.4
25	14	21	20	21E	32	25	19	13	8.8	10	6.1	9.5
26	15	22	20	20E	32	24	21	13	8.6	8.2	5.9	10
27	16	22	21	19E	30	24	22	14	8.3	7.5	5.8	9.9
28	16	22	21	18E	28	22	23	14	8.4	7.4	5.5	9.4
29	16	22	22	18E	28	21	21	13	8.5	7.8	5.2	8.9
30	17	21	22	18E	-----	21	24	13	8.5	7.5	5.3	8.6
31	17	-----	23	18E	-----	20	-----	14	-----	7.5	5.0	-----
TOTAL	485	553	602	601	683	839	587	515	270.2	279.1	196.1	206.8
MEAN	15.6	18.4	19.4	19.4	23.6	27.1	19.6	16.6	9.01	9.00	6.33	6.89
MAX	17	22	23	23	32	41	24	26	13	27	8.3	10
MIN	14	16	16	13	16	20	18	13	7.4	6.6	5.0	5.1
AC-FT	962	1,100	1,190	1,190	1,350	1,660	1,160	1,020	536	554	389	410
CAL YEAR 1999	TOTAL	8,051.80	MEAN	22.1	MAX	132	MIN	5.9	AC-FT	15,970		
WTR YEAR 2000	TOTAL	5,817.20	MEAN	15.9	MAX	41	MIN	5.0	AC-FT	11,540		

E indicates estimated discharge.

# REPUBLICAN RIVER BASIN

**HUGH BUTLER LAKE near McCook, 06837390 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27,420	27,490	27,960	28,560	29,210	30,200	31,200	31,470	31,300	27,740	25,880	21,870
2	27,400	27,470	27,990	28,590	29,240	30,230	31,230	31,470	31,260	27,660	25,670	21,860
3	27,400	27,460	28,010	28,620	29,270	30,350	31,240	31,470	31,230	27,580	25,510	21,860
4	27,390	27,460	28,050	28,620	29,280	30,380	31,230	31,480	31,210	27,950	25,340	21,830
5	27,390	27,470	28,060	28,630	29,300	30,410	31,240	31,480	31,110	27,870	25,180	21,810
6	27,390	27,490	28,090	28,660	29,320	30,440	31,210	31,510	31,020	27,810	25,020	21,800
7	27,390	27,500	28,090	28,680	29,340	30,440	31,240	31,530	30,900	27,680	24,880	21,770
8	27,400	27,530	28,140	28,700	29,370	30,570	31,240	31,560	30,690	27,530	24,740	21,750
9	27,400	27,540	28,140	28,720	29,400	30,600	31,240	31,560	30,450	27,400	24,630	21,740
10	27,400	27,540	28,140	28,750	29,430	30,630	31,240	31,540	30,300	27,310	24,510	21,730
11	27,400	27,540	28,160	28,760	29,480	30,680	31,240	31,540	30,100	27,150	24,390	21,710
12	27,420	27,530	28,180	28,790	29,530	30,720	31,230	31,540	29,950	26,990	24,250	21,670
13	27,400	27,560	28,190	28,790	29,560	30,750	31,230	31,510	29,890	26,780	24,190	21,640
14	27,400	27,590	28,220	28,800	29,590	30,790	31,240	31,500	29,760	26,660	24,060	21,630
15	27,420	27,610	28,250	28,830	29,600	30,840	31,240	31,470	29,590	26,480	23,860	21,610
16	27,400	27,640	28,250	28,850	29,630	30,840	31,240	31,470	29,430	26,330	23,600	21,580
17	27,400	27,660	28,260	28,880	29,660	30,850	31,240	31,470	29,280	26,220	23,400	21,560
18	27,400	27,670	28,280	28,910	29,730	30,880	31,240	31,470	29,180	26,120	23,140	21,520
19	27,420	27,680	28,290	28,940	29,760	30,910	31,270	31,450	29,020	25,990	22,980	21,520
20	27,420	27,680	28,300	28,940	29,790	30,940	31,290	31,440	28,940	25,840	22,760	21,620
21	27,400	27,700	28,300	28,960	29,820	30,970	31,290	31,440	28,790	25,740	22,530	21,610
22	27,400	27,700	28,330	28,980	29,850	31,000	31,270	31,420	28,630	26,560	22,350	21,620
23	27,400	27,800	28,350	28,990	29,950	31,030	31,260	31,420	28,520	26,590	22,210	21,580
24	27,420	27,800	28,380	29,020	30,010	31,110	31,260	31,410	28,380	26,550	22,070	21,620
25	27,430	27,800	28,400	29,050	30,050	31,110	31,350	31,380	28,230	26,480	22,000	21,640
26	27,430	27,820	28,430	29,080	30,100	31,120	31,320	31,380	28,110	26,410	21,990	21,630
27	27,440	27,850	28,450	29,060	30,110	31,140	31,350	31,380	27,980	26,340	21,980	21,640
28	27,440	27,880	28,480	29,120	30,140	31,140	31,320	31,350	27,920	26,270	21,960	21,640
29	27,460	27,910	28,500	29,150	30,190	31,170	31,320	31,330	27,920	26,210	21,940	21,630
30	27,460	27,920	28,500	29,160	-----	31,170	31,440	31,300	27,820	26,140	21,920	21,640
31	27,470	-----	28,530	29,190	-----	31,170	-----	31,300	-----	26,030	21,890	-----
MAX	27,470	27,920	28,530	29,190	30,190	31,170	31,440	31,560	31,300	27,950	25,880	21,870
MIN	27,390	27,460	27,960	28,560	29,210	30,200	31,200	31,300	27,820	25,740	21,890	21,520
CHANGE	230	450	610	660	1,000	980	270	-140	-3,480	-1,790	-4,140	-250
CAL YEAR 1999			MEAN	30,043	MAX	33,300	MIN	27,390				
WTR YEAR 2000			MEAN	28,075	MAX	31,560	MIN	21,520				

# REPUBLICAN RIVER BASIN

## RED WILLOW CREEK near McCook, 06837500 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									6.3	32	85	
2									6.5	32	96	
3									6.7	40	100	
4									30	50	87	
5									44	50	74	
6									38	56	71	
7									81	57	69	
8									81 E	52	62	
9									81 E	54	54	
10									81 E	66	50	
11									71 E	81	49	
12									50 E	82	61	
13									54 E	77	73	
14									57 E	70	89	
15									64 E	70	105	
16									66 E	69	114	
17									66 E	67	116	
18									66 E	63	108	
19									66 E	63	100	
20									66 E	64	116	
21									68	59	103	
22									70	42	87	
23									75	33	74	
24									71	33	66	
25									69	33	12	
26									60	32	6.6	
27									43	33	5.5	
28									37	33	5.5	
29									37	32	5.5	
30					-----				36	36	5.2	
31		-----			-----		-----		-----	63	5.3	-----
TOTAL									1,647.5	1,624	2,054.6	
MEAN									54.9	52.4	66.3	
MAX									81	82	116	
MIN									6.3	32	5.2	
AC-FT									3,270	3,220	4,080	
CAL YEAR 1999	MAX	104	MIN	4.5	AC-FT	8,580						
WTR YEAR 2000	MAX	116	MIN	5.2	AC-FT	10,560						

E indicates estimated Discharge.

# REPUBLICAN RIVER BASIN

**RED WILLOW CANAL from Red Willow Creek, 00126000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	21	58	
2									0	28	70	
3									0	31	66	
4									0	38	53	
5									30	42	49	
6									59	44	49	
7									29	43	48	
8									28	42	52	
9									30	42	52	
10									32	49	51	
11									32	57	53	
12									38	62	54	
13									46	56	54	
14									48	58	60	
15									53	58	73	
16									66	58	75	
17									59	52	70	
18									58	52	70	
19									58	54	71	
20									59	57	72	
21									63	41	67	
22									66	22	62	
23									67	18	61	
24									64	13	62	
25									62	13	24	
26									54	17	0	
27									44	18	0	
28									43	18	0	
29									43	18	0	
30					-----				33	18	0	
31		-----			-----		-----		43	43	0	-----
TOTAL									1,264	1,183	1,476	
MEAN									42.1	38.2	47.6	
MAX									67	62	75	
MIN									0	13	0	
AC-FT									2,510	2,350	2,930	
CAL YEAR 1999	MAX	97	MIN	0	AC-FT	6,130						
WTR YEAR 2000	MAX	75	MIN	0	AC-FT	7,780						

# REPUBLICAN RIVER BASIN

## BARTLEY CANAL from Republican River, 00006000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								15	0	17	42	
2								35	0	15	48	
3								34	0	15	50	
4								34	0	25	58	
5								34	11	32	62	
6								34	16	33	61	
7								34	9.0	34	67	
8								34	26	34	67	
9								34	37	34	63	
10								34	38	36	56	
11								34	42	45	49	
12								13	55	60	47	
13								0	63	61	47	
14								0	66	54	66	
15								0	71	52	86	
16								0	79	51	90	
17								0	83	57	94	
18								0	82	61	79	
19								0	79	56	68	
20								0	74	54	65	
21								0	66	30	68	
22								0	63	18	70	
23								0	61	17	68	
24								0	60	17	68	
25								0	56	16	27	
26								0	51	16	0	
27								0	53	15	0	
28								0	44	22	0	
29								0	38	24	0	
30					-----			0	25	24	0	
31		-----			-----		-----	0	-----	33	0	-----
TOTAL								369	1,348.0	1,058	1,566	
MEAN								11.9	44.9	34.1	50.5	
MAX								35	83	61	94	
MIN								0	0	15	0	
AC-FT								732	2,670	2,100	3,110	
CAL YEAR 1999	MAX	104	MIN	0	AC-FT	7,260						
WTR YEAR 2000	MAX	94	MIN	0	AC-FT	8,610						

# REPUBLICAN RIVER BASIN

**MEDICINE CREEK above Harry Strunk Lake, 06841000 - 2000**

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 274 cubic feet per second August 15, gage height 7.03 feet; minimum daily discharge 16 cubic feet per second August 12 & 13.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	45	48	50	49E	54	52	55	41	26	27	20
2	38	44	49	49	50E	53	53	59	40	26	26	20
3	38	45	48	49	50E	55	53	55	39	40	23	20
4	38	45	49	49	52E	60	52	53	39	151	22	19
5	39	45	48	48E	52E	60	52	50	38	99	21	19
6	40	45	47	48	52	57	52	52	37	64	21	19
7	40	45	47	48	52	57	51	52	36	41	20	19
8	41	46	46	48E	53	61	50	53	35	35	20	19
9	41	46	46	47E	53	63	50	54	33	31	19	19
10	42	46	45E	46	52E	59	50	54	32	29	18	19
11	43	47	45E	45	52E	56	50	53	31	29	18	19
12	43	46	45E	46	50E	55	50	49	30	27	16	19
13	42	46	44E	46	50E	54	51	46	30	25	16	18
14	42	46	44E	47	49E	55	50	44	28	24	30	18
15	42	46	44E	47	50E	55	49	44	28	24	216	18
16	42	47	44E	48	52E	54	49	44	26	24	211	18
17	42	47	45E	49	54E	52	50	45	27	24	117	18
18	42	46	45E	49	54E	52	51	45	29	26	85	18
19	43	47	44E	49E	52E	52	50	45	30	25	64	19
20	43	46	43E	49E	52E	53	50	45	30	25	43	23
21	44	46	43E	49E	52E	53	49	44	27	26	34	23
22	44	47	44E	49E	54E	53	50	44	24	39	30	26
23	44	47	44E	49E	58	55	48	42	25	30	28	26
24	44	48	44E	49E	58	55	48	40	26	28	26	28
25	44	49	45E	49E	60	55	50	39	26	26	25	28
26	44	49	47	48E	59	55	53	44	27	25	23	31
27	45	48	48	48E	59	54	51	42	26	47	21	30
28	44	49	48	48E	57	53	50	42	25	39	20	29
29	45	49	49	48E	56	51	48	42	26	34	20	28
30	44	48	50	48E	-----	51	52	41	28	32	20	28
31	45	-----	50	48E	-----	52	-----	41	-----	29	19	-----
TOTAL	1,305	1,396	1,428	1,490	1,543	1,704	1,514	1,458	919	1,150	1,299	658
MEAN	42.1	46.5	46.1	48.1	53.2	55.0	50.5	47.0	30.6	37.1	41.9	21.9
MAX	45	49	50	50	60	63	53	59	41	151	216	31
MIN	37	44	43	45	49	51	48	39	24	24	16	18
AC-FT	2,590	2,770	2,830	2,960	3,060	3,380	3,000	2,890	1,820	2,280	2,580	1,310

CAL YEAR 1999	TOTAL	18,658	MEAN	51.1	MAX	268	MIN	22	AC-FT	37,010
WTR YEAR 2000	TOTAL	15,864	MEAN	43.3	MAX	216	MIN	16	AC-FT	31,470

E indicates estimated discharge.



# REPUBLICAN RIVER BASIN

## HARRY STRUNK LAKE near Cambridge, 06842000 - 2000

LOCATION.--NEL/4 Sec. 25-5-26 W., Frontier County, Lat. 40° 22' 40", Long. 100° 13' 00", in control house at outlet tube of Medicine Creek Dam, 7 miles northeast of Cambridge.

DRAINAGE AREA.--880 square miles, of which approximately 640 square miles contributes directly to surface runoff.

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

PERIOD OF RECORD.--August 1949 - present

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

### DAILY CONTENTS IN ACRE-FEET WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27,220	29,100	31,560	34,270	35,010	35,570	36,240	37,770	37,640	31,540	24,670	16,630
2	27,250	29,140	31,670	34,360	35,010	35,590	36,220	37,790	37,520	31,390	24,110	16,660
3	27,280	29,190	31,790	34,450	35,060	35,740	36,200	37,890	37,450	31,280	23,610	16,730
4	27,300	29,250	31,860	34,520	35,080	35,780	36,180	37,980	37,330	31,490	23,250	16,740
5	27,380	29,300	31,920	34,560	35,080	35,810	36,160	38,040	37,240	31,760	22,900	16,750
6	27,450	29,370	31,990	34,610	35,080	35,830	36,150	38,140	37,050	31,790	22,560	16,780
7	27,550	29,470	32,110	34,720	35,080	35,790	36,130	38,240	36,820	31,660	22,240	16,800
8	27,610	29,580	32,230	34,810	35,080	35,900	36,110	38,430	36,650	31,390	21,790	16,810
9	27,680	29,690	32,330	34,900	35,040	35,920	36,070	38,470	36,460	31,130	21,390	16,820
10	27,760	29,800	32,430	35,010	35,040	35,920	36,050	38,350	36,200	30,770	20,960	16,840
11	27,790	29,860	32,530	35,030	35,040	35,940	36,040	38,370	35,940	30,190	20,530	16,860
12	27,890	29,920	32,630	35,080	35,100	35,940	36,090	38,390	35,740	29,660	20,150	16,870
13	27,950	30,000	32,740	35,100	35,120	35,960	36,180	38,350	35,540	29,130	19,800	16,890
14	27,960	30,060	32,840	35,080	35,140	35,980	36,300	38,300	35,240	28,640	19,400	16,920
15	28,020	30,130	32,940	35,060	35,150	36,000	36,350	38,240	34,900	28,190	18,990	16,930
16	28,080	30,210	33,060	35,060	35,170	36,000	36,430	38,180	34,520	27,770	18,860	16,940
17	28,140	30,300	33,200	35,040	35,170	36,020	36,500	38,160	34,130	27,350	18,730	16,950
18	28,200	30,400	33,320	35,030	35,210	36,020	36,580	38,140	33,800	26,990	18,400	16,970
19	28,260	30,510	33,440	35,030	35,240	36,040	36,690	38,120	33,390	26,670	18,160	17,000
20	28,320	30,620	33,520	35,010	35,280	36,040	36,780	38,120	33,100	26,380	17,890	17,120
21	28,380	30,740	33,570	35,010	35,320	36,050	36,860	38,100	32,910	26,070	17,600	17,140
22	28,440	30,850	33,620	35,010	35,350	36,110	36,930	38,100	32,720	26,070	17,270	17,190
23	28,500	30,970	33,670	35,010	35,440	36,150	37,030	38,060	32,600	25,950	16,920	17,220
24	28,560	31,010	33,720	35,010	35,500	36,160	37,100	38,100	32,720	25,920	16,600	17,270
25	28,620	31,080	33,800	35,010	35,520	36,160	37,180	38,020	32,550	25,850	16,410	17,320
26	28,680	31,140	33,850	35,010	35,540	36,160	37,260	37,910	32,410	25,810	16,460	17,390
27	28,740	31,230	33,900	34,990	35,540	36,160	37,330	37,850	32,230	25,810	16,510	17,440
28	28,800	31,290	33,970	35,010	35,560	36,180	37,370	37,790	31,970	25,800	16,550	17,500
29	28,880	31,360	34,040	35,030	35,590	36,200	37,450	37,750	31,770	25,660	16,570	17,560
30	28,960	31,460	34,100	35,030	-----	36,240	37,620	37,700	31,670	25,530	16,600	17,610
31	29,030	-----	34,180	35,030	-----	36,260	-----	37,700	-----	25,240	16,620	-----
MAX	29,030	31,460	34,180	35,100	35,590	36,260	37,620	38,470	37,640	31,790	24,670	17,610
MIN	27,220	29,100	31,560	34,270	35,010	35,570	36,040	37,700	31,670	25,240	16,410	16,630
CHANGE	1,720	2,430	2,720	850	560	670	1,360	80.0	-6,030	-6,430	-8,620	990
CAL YEAR 1999			MEAN	30,963	MAX	40,060	MIN	23,070				
WTR YEAR 2000			MEAN	30,955	MAX	38,470	MIN	16,410				

# REPUBLICAN RIVER BASIN

## MEDICINE CREEK below Harry Strunk Lake, 06842500 - 2000

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

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

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

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

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994. Records above 5 cubic feet per second are good, estimated records are fair, records below 5 cubic feet per second are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge estimated at 300 cubic feet per second August 1, gage height 2.65 feet based on release from Harry Strunk Lake, rating curve and shift; minimum daily discharge 0.17 cubic feet per second September 5.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.19	.25	.49	.66	48	46	48	2.0	64	78	300	E .48
2	.19	.27	.49	.66	48	46	48	2.0	71	76	280	E .50
3	.19	.44	.42	.55	47	46	48	1.6	76	77	240	E .32
4	.19	.65	.41	.49	46	46	48	1.5	76	80	195	E .25
5	.19	.69	.32	.53	46	47	48	2.0	97	85	185	E .17
6	.22	.97	.47	.66	46	48	48	2.4	110	103	185	E 1.2
7	.25	.84	.64	.66	46	48	48	3.1	101	126	225	E 1.3
8	.23	.93	.86	.66	45	48	48	28	108	128	240	E 1.2
9	.19	.66	.97	.97	45	48	49	61	126	163	230	E 1.1
10	.24	.81	.97	18	46	48	49	46	126	260	228	E 1.2
11	.21	.97	.97	30	46	49	29	46	123	278	200	E 1.1
12	.23	1.0	1.1	29	46	49	1.6	46	121	266	198	E 1.0
13	.24	1.3	1.3	40	46	49	1.5	48	126	256	206	E 1.2
14	.27	1.3	1.3	47	46	49	2.3	48	152	227	230	E 1.0
15	.26	1.3	1.3	48	46	49	2.7	48	178	220	246	E 1.0
16	.26	1.4	1.3	48	46	49	2.9	48	191	222	255	E .92
17	.30	1.6	1.3	48	48	49	2.5	48	201	215	258	E .87
18	.31	1.0	1.2	48	48	49	2.1	48	209	181	240	E 1.4
19	.33	.58	.99	48	48	49	2.0	48	200	170	217	E .82
20	.24	.88	1.0	48	48	49	2.0	49	130	184	210	E .70
21	.30	1.0	.57	48	48	48	1.7	49	98	122	208	E .33
22	.30	.84	.49	49	48	48	1.6	49	101	75	214	E .56
23	.26	.73	.49	48	49	48	1.5	20	98	65	203	E .54
24	.24	.49	.49	47	49	48	1.8	24	89	65	187	E .83
25	.24	.49	.49	47	49	48	2.1	59	84	57	14	E .53
26	.25	.49	.49	47	49	48	2.0	66	92	44	1.7	E .52
27	.26	.45	.52	46	47	48	2.4	60	122	74	1.3	E .67
28	.28	.46	.65	46	46	48	2.7	61	109	102	1.0	E .55
29	.30	.49	.49	48	46	49	2.7	62	117	100	.71	E .40
30	.27	.49	.49	48	-----	49	3.0	62	80	140E	1.2	E .36
31	.29	-----	.49	48	-----	48	-----	62	-----	270E	.94	-----
TOTAL	7.72	23.77	23.46	979.84	1,362	1,491	552.1	1,200.6	3,576	4,509	5,400.85	23.02
MEAN	.25	.79	.76	31.6	47.0	48.1	18.4	38.7	119	145	174	.77
MAX	.33	1.6	1.3	49	49	49	49	66	209	278	300	1.4
MIN	.19	.25	.32	.49	45	46	1.5	1.5	64	44	.71	.17
AC-FT	15	47	47	1,940	2,700	2,960	1,100	2,380	7,090	8,940	10,710	46
CAL YEAR 1999	TOTAL	10,700.61	MEAN	29.3	MAX	301	MIN	.18	AC-FT	21,220		
WTR YEAR 2000	TOTAL	19,149.36	MEAN	52.3	MAX	300	MIN	.17	AC-FT	37,980		

E indicates estimated daily discharge.

# REPUBLICAN RIVER BASIN

## CAMBRIDGE CANAL from Republican River, 00020000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	73	63	265	
2								0	71	63	257	
3								0	76	67	226	
4								0	76	70	169	
5								0	74	67	150	
6								0	79	68	148	
7								0	79	99	177	
8								6.0	79	110	210	
9								42	88	110	212	
10								57	94	192	200	
11								68	94	236	174	
12								67	118	239	165	
13								70	132	233	165	
14								70	136	211	185	
15								70	156	202	205	
16								75	157	202	221	
17								78	153	191	223	
18								78	151	163	201	
19								78	144	151	191	
20								78	97	154	190	
21								78	74	92	203	
22								77	74	64	210	
23								69	68	63	203	
24								35	65	59	185	
25								56	65	59	69	
26								74	83	60	0	
27								79	111	72	0	
28								78	120	98	0	
29								76	110	107	0	
30					-----			74	64	107	0	
31		-----			-----		-----	74	-----	209	0	-----
TOTAL								1,607.0	2,961	3,881	4,804	
MEAN								51.8	98.7	125	155	
MAX								79	157	239	265	
MIN								0	64	59	0	
AC-FT								3,190	5,870	7,700	9,530	
CAL YEAR 1999	MAX	282	MIN	0	AC-FT	21,540						
WTR YEAR 2000	MAX	265	MIN	0	AC-FT	26,290						

# REPUBLICAN RIVER BASIN

## MUDDY CREEK at Arapahoe, 06844000 - 2000

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 715 cubic feet per second July 4, gage height 11.65 feet; minimum daily discharge 3.3 cubic feet per second September 10.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	8.8	8.2	6.9	8.4E	7.8	7.6	9.8	6.0	30	5.6	4.4
2	6.1	9.3	8.2	7.0	8.0E	7.9	7.6	9.3	6.4	30	5.3	4.5
3	6.2	8.7	8.2	7.0	8.2E	9.1	7.5	8.6	6.5	16	5.1	4.4
4	6.1	8.1	8.8	7.0E	7.9	9.0	7.3	8.1	6.7	228	5.0	4.2
5	6.1	8.1	8.7	7.2E	8.0E	8.4	7.4	7.9	6.7	121	5.4	3.8
6	6.3	7.9	8.2	7.4E	8.2	8.2	7.3	7.6	6.2	28	4.9	3.5
7	6.4	7.6	8.0	7.6E	7.9	8.0	7.3	7.6	5.9	15	4.8	3.4
8	6.7	7.3	8.5	7.8E	7.7	9.0	7.0	8.0	5.5	10	4.7	3.5
9	6.5	7.1	8.4	8.0E	8.2	8.7	7.0	8.4	5.4	8.3	4.6	3.4
10	6.1	7.2	8.0E	8.2E	8.2	8.2	7.3	13	5.4	7.5	4.5	3.3
11	6.2	7.3	8.0E	8.4E	7.4E	8.0	7.5	21	6.0	7.2	4.4	3.4
12	6.4	7.1	7.8E	8.4E	7.4E	7.6	7.4	6.9	6.1	6.9	4.3	3.4
13	6.5	7.3	7.6E	9.0E	7.6E	7.4	7.3	6.8	5.4	6.6	4.3	3.4
14	6.4	7.3	7.6E	12	7.4E	7.4	7.8	7.0	5.4	6.4	4.3	3.4
15	6.2	7.3	7.6E	13	8.0	7.9	8.0	7.2	5.5	6.1	4.4	3.4
16	6.1	7.2	7.6E	12	7.6	7.7	8.2	7.0	5.6	6.0	4.6	3.4
17	5.8	7.1	7.7	11	7.6	7.4	8.0	6.9	6.2	6.3	4.6	3.4
18	6.2	6.9	7.6	11	7.8E	7.7	8.0	6.8	6.3	10	4.6	3.4
19	6.3	6.8	7.1	11	7.8E	8.0	8.5	6.8	6.8	7.9	5.2	3.5
20	6.2	7.0	7.0E	9.2E	8.0E	7.8	8.3	6.8	6.7	8.2	5.5	4.7
21	5.9	7.3	7.2E	9.0E	8.2E	7.6	8.7	6.7	6.5	21	5.5	4.8
22	6.0	7.4	6.8E	9.0E	8.0	7.6	8.8	6.6	6.4	11	5.6	4.7
23	6.4	7.6	7.1	10	10	8.0	8.8	6.7	6.3	43	5.5	4.3
24	7.9	7.6	7.0	8.8E	12	8.7	8.6	6.5	6.5	10	5.3	4.8
25	7.6	7.6	6.9	8.8E	9.7	8.2	8.5	6.2	6.1	7.0	5.1	4.8
26	7.3	7.9	6.8	8.6E	8.4	7.9	8.3	8.3	5.8	6.1	4.7	4.7
27	7.3	7.7	6.7	8.6E	7.8	7.7	8.0	17	5.7	6.0	4.6	4.6
28	7.9	7.6	6.7	8.4E	7.7	7.4	8.0	17	5.9	5.7	4.6	4.5
29	7.8	7.6	6.8	8.4E	7.7	7.3	7.7	16	12	5.8	4.5	4.4
30	7.9	7.9	6.8	8.4	-----	7.3	8.7	13	14	7.2	4.6	4.4
31	8.0	-----	6.5	8.2	-----	7.4	-----	6.2	-----	6.0	4.5	-----
TOTAL	204.8	227.6	234.1	275.3	236.8	246.3	236.4	281.7	195.9	694.2	150.6	119.8
MEAN	6.61	7.59	7.55	8.88	8.17	7.95	7.88	9.09	6.53	22.4	4.86	3.99
MAX	8.0	9.3	8.8	13	12	9.1	8.8	21	14	228	5.6	4.8
MIN	5.8	6.8	6.5	6.9	7.4	7.3	7.0	6.2	5.4	5.7	4.3	3.3
AC-FT	406	451	464	546	470	489	469	559	389	1,380	299	238
CAL YEAR 1999 TOTAL		4,936.9	MEAN	13.5	MAX	558	MIN	5.6	AC-FT	9,790		
WTR YEAR 2000 TOTAL		3,103.5	MEAN	8.48	MAX	228	MIN	3.3	AC-FT	6,160		

E indicates estimated discharge.

# REPUBLICAN RIVER BASIN

## TURKEY CREEK at Edison, 06844210 - 2000

LOCATION.--NE1/4SW1/4 Sec. 31-4-21 W., Furnas County, Lat. 40° 16' 15", Long. 99° 44' 00", on left bank 10 feet downstream from bridge on U.S. Highway 136, 2 miles east of Edison and 2.7 miles upstream from mouth.

DRAINAGE AREA.--74.9 square miles.

GAGE.--Continuous stage recorder. Gage elevation is 2,090 feet above sea level, from topographic map.

PERIOD OF RECORD.--1977 - present

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

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 1,040 cubic feet per second July 27, 1993, gage height 14.28 feet; minimum daily discharge 0.01 cubic feet per second September 6, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharge 464 cubic feet per second July 4, gage height 10.49 feet; minimum daily discharge 5.1 cubic feet per second September 1, 6, 7.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	16	17	18	17E	18	19	22	14	24	12	5.1
2	12	15	17	19	18E	17	20	20	15	12	11	5.5
3	13	16	17	19	18E	20	20	19	14	12	9.2	5.2
4	13	17	17	17E	17	20	19	18	14	187	8.3	5.4
5	13	16	17	16E	17E	19	19	18	15	112	8.2	5.4
6	14	16	16	16E	17	19	19	18	15	36	9.0	5.1
7	15	16	17	18E	17	19	19	18	15	18	9.4	5.1
8	15	16	17	19E	17	25	19	19	15	15	8.1	5.3
9	15	16	17	22E	17	25	19	20	15	13	7.7	5.4
10	14	16	17	20	17	19	20	18	14	13	7.3	5.6
11	14	16	17	18	18	19	20	18	13	14	6.8	5.7
12	14	16	17	17	16E	19	20	17	13	15	6.8	5.8
13	15	16	16E	18	17	19	20	15	13	12	7.3	6.1
14	15	16	17	17	16E	19	21	15	12	12	5.8	6.2
15	15	16	18	18	17	20	21	15	12	11	6.1	6.3
16	16	16	17	18	17	19	21	15	12	11	6.3	6.3
17	15	16	17	17	16	19	21	16	12	11	7.4	6.4
18	16	16	18	18	18	20	21	16	13	17	6.5	6.5
19	16	16	17	18	19E	20	21	16	15	15	7.9	6.6
20	16	16	16E	18	18E	19	20	16	15	13	7.5	7.7
21	16	16	15E	17E	17	19	20	16	12	63	6.8	8.1
22	16	17	15E	18	18	19	20	16	12	14	6.6	7.5
23	15	17	16E	19	22	20	20	15	14	12	6.5	7.5
24	15	17	17E	17E	28	23	20	15	14	11	6.0	8.1
25	15	17	17	17E	20	20	19	14	14	11	5.8	8.4
26	16	17	17	16E	18	19	19	14	12	11	6.0	8.3
27	15	18	17	17	17	19	19	15	12	11	6.2	8.2
28	15	17	18	16E	17	19	18	16	12	10	6.9	8.1
29	15	17	18	16E	17	19	18	15	18	11	6.2	8.9
30	16	16	19	17	-----	19	19	14	37	10	5.9	8.2
31	16	-----	18	18	-----	19	-----	14	-----	8.9	5.5	-----
TOTAL	459	489	526	549	518	609	591	513	433	745.9	227.0	198.0
MEAN	14.8	16.3	17.0	17.7	17.9	19.6	19.7	16.5	14.4	24.1	7.32	6.60
MAX	16	18	19	22	28	25	21	22	37	187	12	8.9
MIN	12	15	15	16	16	17	18	14	12	8.9	5.5	5.1
AC-FT	910	970	1,040	1,090	1,030	1,210	1,170	1,020	859	1,480	450	393
CAL YEAR 1999 TOTAL		7,099.00	MEAN	19.4	MAX	266	MIN	9.0	AC-FT	14,080		
WTR YEAR 2000 TOTAL		5,857.90	MEAN	16.0	MAX	187	MIN	5.1	AC-FT	11,620		

E indicates estimated discharge.

# REPUBLICAN RIVER BASIN

**BEAVER CREEK near Beaver City, 06847000 - 2000**

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

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

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

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

REMARKS.--Published by U. S. Geological Survey up to October 1, 1994. Records are fair, except estimated records and records below 3 cubic feet per second are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 193 cubic feet per second July 23, gage height 6.71 feet; minimum daily discharge 0.08 cubic feet per second September 30.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.35	.74E	.71	1.9E	2.3E	3.1	3.7	3.2	.99	1.6	.66	.24
2	.47	.74E	.74	1.8E	2.3E	3.2	3.6	3.0	.87	1.4	.62	.24
3	.42	.74E	.74	1.7E	2.5E	3.6	3.6	2.9	.85	.73	.58	.21
4	.43	.74E	.74	1.6E	2.5E	3.5	3.5	2.9	.73	.75	.61	.19
5	.66	.74E	.74	1.5E	2.6E	3.5	3.3	2.8	.66	.58	.55	.18
6	.62	.74E	.84	1.6E	2.6E	3.4	3.3	2.6	.60	.48	.50	.19
7	.66E	.74E	1.0	1.7E	2.6E	3.5	3.3	2.6	.54	.44	.45	.13
8	.66E	.80	1.1	1.9E	2.6E	4.1	3.3	2.6	.49	.40	.43	.16
9	.66E	.77	1.1	2.0E	2.7	4.2	3.2	2.7	.46	.35	.38	.15
10	.66E	.74	1.2	2.1E	2.6	4.1	3.1	2.7	.42	.35	.34	.14
11	.66E	.68	1.2 E	2.1E	3.1	4.2	3.0	2.7	.47	.39	.30	.12
12	.66E	.69	1.3 E	2.0E	3.2	4.1	3.2	2.5	.50	.35	.24	.12
13	.66E	.68	1.3 E	2.1E	2.9	4.0	3.2	2.3	.55	.39	.24	.12
14	.66E	.68	1.4 E	2.2E	2.9	4.2	3.2	2.2	.56	.36	.26	.11
15	.66E	.63	1.4 E	2.1E	3.1	4.2	3.1	2.1	.56	.32	.33	.11
16	.66E	.62	1.4 E	2.1E	2.8	4.1	3.2	2.1	.62	.33	.23	.10
17	.66E	.65	1.5 E	2.2E	3.0	4.0	3.2	2.1	.69	.38	.23	.09
18	.70E	.68	1.6 E	2.2E	2.9	4.2	3.2	2.0	.78	.47	.24	.11
19	.70E	.66	1.6 E	2.1E	3.3	4.5	3.2	2.1	.85	.43	.34	.11
20	.70E	.62	1.7 E	2.2E	2.8	4.4	2.9	2.0	1.5	.55	.23	.23
21	.70E	.62	1.7 E	2.2E	3.0	4.3	2.8	1.9	.65	.78	.26	.20
22	.70E	.66	1.7 E	2.2E	3.1	4.2	2.8	1.8	.47	.25	.35	.18
23	.70E	.70	1.8 E	2.2	4.0	4.3	2.8	1.7	.55	142	.25	.18
24	.70E	.68	1.8 E	2.2	4.3	4.6	2.6	1.5	.45	32	.27	.24
25	.70E	.68	1.9	2.1E	4.2	4.2	2.7	1.4	.43	8.6	.27	.21
26	.70E	.69	1.9	2.1E	3.8	4.4	2.6	1.8	.40	3.1	.26	.17
27	.70E	.74	2.0	2.2E	3.5	4.1	2.8	1.6	.40	1.9	.24	.15
28	.70E	.74	2.0	2.1E	3.3	4.1	2.7	1.5	.44	1.4	.24	.14
29	.74E	.68	2.1	2.2E	3.2	3.9	2.6	1.4	2.7	1.1	.24	.12
30	.74E	.68	2.1	2.2E	-----	3.8	3.0	1.2	8.4	.93	.24	.08
31	.74E	-----	2.0	2.3E	-----	3.7	-----	1.1	-----	.81	.24	-----
TOTAL	20.13	20.95	44.31	63.1	87.7	123.7	92.7	67.0	28.58	228.67	10.62	4.72
MEAN	.65	.70	1.43	2.04	3.02	3.99	3.09	2.16	.95	7.38	.34	.16
MAX	.74	.80	2.1	2.3	4.3	4.6	3.7	3.2	8.4	142	.66	.24
MIN	.35	.62	.71	1.5	2.3	3.1	2.6	1.1	.40	.32	.23	.08
AC-FT	40	42	88	125	174	245	184	133	57	454	21	9.4
CAL YEAR 1999 TOTAL		1,194.61	MEAN	3.27	MAX	84	MIN	.26	AC-FT	2,370		
WTR YEAR 2000 TOTAL		792.18	MEAN	2.16	MAX	142	MIN	.08	AC-FT	1,570		

E indicates estimated Discharge.

# REPUBLICAN RIVER BASIN

## HARLAN COUNTY RESERVOIR near Republican City, 06849000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	278,000	278,400	284,200	292,200	301,700	319,900	331,100	332,000	332,500	296,100	260,300	210,300
2	278,000	278,400	284,300	292,600	303,000	320,200	330,600	332,500	331,600	295,500	258,500	210,700
3	278,000	278,400	285,100	293,000	303,300	322,000	330,100	332,600	330,600	294,100	256,200	210,100
4	278,000	278,400	285,300	293,400	303,900	322,500	329,300	332,900	330,600	292,200	254,500	210,100
5	277,800	278,400	285,600	293,000	304,300	323,000	328,800	333,000	329,700	292,400	252,800	209,100
6	277,400	278,400	285,900	293,500	304,700	323,600	328,600	333,300	328,700	291,900	250,100	209,300
7	277,400	278,400	286,000	293,900	305,200	324,000	328,400	333,600	327,600	291,100	249,000	209,200
8	277,900	278,800	286,100	294,300	305,700	325,500	326,900	334,100	326,500E	289,700	246,800	209,200
9	278,000	279,900	286,700	294,600	306,300	326,100	326,100	334,300	325,300	287,400	245,000	208,600
10	278,000	280,300	286,500	294,900	306,700	326,300	325,300	334,300	324,100	286,300	243,300	208,300
11	278,100	280,400	286,700	294,900	307,300	326,900	325,700	334,700	322,800	284,500	241,300	208,100
12	278,100	280,700	287,000	295,000	307,100	327,600	325,700	334,700	321,400	282,600	239,200	208,000
13	278,200	281,000	287,100	295,400	307,000	328,300	326,700	334,700	319,800	280,700	237,300	207,700
14	278,200	281,300	287,300	295,400	306,900	329,000	326,700	334,500	318,200	278,700	235,400	207,500
15	278,200	281,400	287,700	295,900	309,100	329,500	326,800	334,400	315,800	276,700	233,600	207,200
16	277,600	281,400	287,600	296,400	309,600	329,700	327,900	334,400	313,900	274,800	231,700	207,000
17	277,800	281,600	288,200	296,900	309,900	330,100	327,800	334,400	311,800	273,000	230,100	206,800
18	278,200	281,600	288,400	297,400	310,700	330,600	327,900	336,100	310,400	275,600	227,700	206,300
19	278,200	282,000	288,600	297,800	311,000	331,200	328,600	335,500	308,300	276,300	226,100	206,300E
20	278,200	282,100	288,900	298,200	311,600	331,800	329,100	335,600	307,700	274,600	223,900	206,200E
21	278,400	282,100	289,100	298,300	312,100	332,500	328,700	335,800	306,600	275,100	223,000	206,200E
22	278,400	282,500	289,100	298,700	312,500	332,900	328,600	335,800	305,200	274,100	221,600	206,100
23	278,200	282,500	289,500	299,200	312,900	333,400	329,000	335,500	304,700	273,100	220,300	205,800
24	278,200	283,200	289,900	299,700	315,000	334,700	329,400	335,100	304,300	272,100	219,100	205,700E
25	278,400	283,400	290,100	299,900	315,600	334,500	330,600	334,700	303,000	271,900	218,200	205,600
26	278,400	283,600	290,500	300,200	316,200	334,100	330,100	334,700	302,200	270,600	216,500	205,300
27	278,400	283,700	290,700	300,400	316,800	333,700	330,900	334,500	300,900	269,100	214,800	205,200
28	278,400	283,900	291,000	300,900	317,400	333,000	330,400	334,300	299,700	267,600	214,500	205,200
29	278,400	284,000	291,500	301,300	317,900	332,500	330,500	334,000	298,200	265,500	212,500	205,200
30	278,400	284,000	291,500	301,700	-----	331,900	331,100	333,400	297,400	264,100	212,100	204,800
31	278,400	-----	292,200	301,900	-----	331,500	-----	332,900	-----	262,300	211,200	-----
MAX	278,400	284,000	292,200	301,900	317,900	334,700	331,100	336,100	332,500	296,100	260,300	210,700
MIN	277,400	278,400	284,200	292,200	301,700	319,900	325,300	332,000	297,400	262,300	211,200	204,800
CHANGE	568	5,681	8,200	9,669	16,001	13,560	-415	1,804	-35,470	-35,122	-51,124	-6,335
CAL YEAR 1999			MEAN	296,300	MAX	344,000	MIN	270,000				
WTR YEAR 2000			MEAN	290,000	MAX	336,100	MIN	204,800				

E indicates interpolated values.

# REPUBLICAN RIVER BASIN

**NAPONEE CANAL from Republican River, 00105000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	0	34	
2									0	0	34	
3									0	20	29	
4									0	20	26	
5									0	0	27	
6									0	20	27	
7									0	25	27	
8									0	32	29	
9									15	32	30	
10									15	32	30	
11									15	28	26	
12									20	28	24	
13									25	29	24	
14									25	30	27	
15									30	31	29	
16									33	32	32	
17									33	32	34	
18									33	12	34	
19									30	0	27	
20									23	0	22	
21									20	0	25	
22									20	0	27	
23									20	0	27	
24									20	0	25	
25									20	0	23	
26									20	0	23	
27									25	20	23	
28									25	26	23	
29									25	29	17	
30					-----				0	29	9.0	
31		-----			-----		-----		-----	34	7.0	-----
TOTAL									492	541	801.0	
MEAN									16.4	17.5	25.8	
MAX									33	34	34	
MIN									0	0	7.0	
AC-FT									976	1,070	1,590	
CAL YEAR 1999	MAX	36	MIN	0	AC-FT	2,770						
WTR YEAR 2000	MAX	34	MIN	0	AC-FT	3,640						



# REPUBLICAN RIVER BASIN

**FRANKLIN CANAL from Republican River, 00053000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	230	248	46
2									78	230	246	0
3									107	242	246	0
4									107	233	250	0
5									107	213	253	0
6									107	210	250	0
7									114	213	248	0
8									123	212	246	0
9									123	216	245	0
10									123	244	249	0
11									133	250	246	0
12									176	250	245	0
13									201	253	245	0
14									224	255	251	0
15									248	254	250	0
16									251	254	247	0
17									254	254	241	0
18									254	207	252	0
19									247	166	253	0
20									215	166	252	0
21									174	167	249	0
22									163	170	225	0
23									163	194	217	0
24									174	227	216	0
25									182	248	215	0
26									204	248	215	0
27									204	247	214	0
28									222	247	201	0
29									230	247	171	0
30					-----				230	248	160	0
31		-----			-----		-----		-----	250	129	-----
TOTAL									5,138	7,045	7,175	46
MEAN									171	227	231	1.53
MAX									254	255	253	46
MIN									0	166	129	0
AC-FT									10,190	13,970	14,230	91
CAL YEAR 1999	MAX	254	MIN	0	AC-FT	32,360						
WTR YEAR 2000	MAX	255	MIN	0	AC-FT	38,490						

# REPUBLICAN RIVER BASIN

**FRANKLIN PUMP CANAL from Republican River, 00054000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									0	31	33	
2									0	31	34	
3									0	30	33	
4									0	27	34	
5									0	25	30	
6									0	24	27	
7									0	25	30	
8									0	27	31	
9									0	29	31	
10									0	31	32	
11									0	32	31	
12									0	32	29	
13									0	37	29	
14									0	40	30	
15									10	40	31	
16									15	40	32	
17									15	41	32	
18									16	20	29	
19									24	3.0	20	
20									21	0	15	
21									15	0	15	
22									22	0	22	
23									25	2.3	24	
24									23	26	24	
25									24	33	23	
26									27	34	23	
27									28	34	24	
28									30	32	23	
29									31	29	22	
30									31	28	18	
31		-----			-----		-----		-----	30	7.0	-----
TOTAL									357	813.3	818.0	
MEAN									11.9	26.2	26.4	
MAX									31	41	34	
MIN									0	0	7.0	
AC-FT									708	1,610	1,620	
CAL YEAR 1999	MAX	38	MIN	0	AC-FT	2,960						
WTR YEAR 2000	MAX	41	MIN	0	AC-FT	3,940						

# REPUBLICAN RIVER BASIN

## THOMPSON CREEK at Riverton, 06851500 - 2000

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 3,450 cubic feet per second July 5, gage height 11.55 feet; minimum daily discharge 9.6 cubic feet per second estimated December 15.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	19	19	23	16E	23	22	24	20	18	35	18
2	17	17	18	22E	16E	22	18	21	21	17	36	17
3	18	17	18	20E	19	24	17	21	21	19	30	17
4	18	14	17	17E	18	22	17	21	119	1,160	27	16
5	22	16	15	17E	17	22	17	22	25	2,350	31	15
6	23	16	14	18E	19	23	18	21	23	415	28	15
7	22	17	14	19E	19	22	18	22	23	102	23	15
8	22	19	14	20E	19	26	18	23	23	61	21	15
9	23	21	14	21E	20	21	17	23	22	45	20	14
10	26	21	11	21E	20	19	18	22	23	38	21	15
11	25	20	11	22E	18E	19	18	20	27	34	21	15
12	24	19	11	22	17E	20	19	19	29	32	19	15
13	23	19	10	22	17E	19	19	18	28	31	21	14
14	22	19	9.8E	22	18E	25	19	19	27	26	20	15
15	23	19	9.6E	23	19E	22	20	19	29	26	18	15
16	22	19	9.8E	23	19	19	21	18	33	26	18	14
17	21	20	11 E	23	20	18	19	23	37	20	18	14
18	20	21	12 E	24	19	20	20	22	36	54	19	14
19	20	18	11 E	24	18	19	20	22	37	96	26	14
20	19	17	9.8E	21	18	21	20	21	309	31	28	18
21	20	17	11 E	20	20	22	20	23	82	26	27	16
22	21	17	13 E	21	20	21	20	19	150	26	30	16
23	20	16	15 E	23	28	27	18	19	67	26	23	16
24	19	16	19	22	23	27	20	18	48	26	17	17
25	20	17	20	20	23	23	22	18	41	59	19	17
26	19	18	20	19	21	23	21	24	123	47	23	15
27	20	18	21	18	20	21	21	21	58	31	28	16
28	20	18	21	17	21	20	20	18	29	32	26	16
29	20	18	23	16E	28	19	19	20	20	33	23	17
30	20	18	24	16E	-----	20	25	20	18	32	17	16
31	19	-----	23	16E	-----	20	-----	20	-----	34	17	-----
TOTAL	646	541	469.0	632	570	669	581	641	1,548	4,973	730	467
MEAN	20.8	18.0	15.1	20.4	19.7	21.6	19.4	20.7	51.6	160	23.5	15.6
MAX	26	21	24	24	28	27	25	24	309	2,350	36	18
MIN	17	14	9.6	16	16	18	17	18	18	17	17	14
AC-FT	1,280	1,070	930	1,250	1,130	1,330	1,150	1,270	3,070	9,860	1,450	926
CAL YEAR 1999 TOTAL	9,698.00		MEAN	26.6	MAX	418	MIN	9.6	AC-FT	19,240		
WTR YEAR 2000 TOTAL	12,467.00		MEAN	34.1	MAX	2,350	MIN	9.6	AC-FT	24,730		

E indicates estimated discharge.

# REPUBLICAN RIVER BASIN

**ELM CREEK at Amboy, 06852000 - 2000**

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.

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 9,540 cubic feet per second July 4, gage height 17.10 feet; minimum daily discharge 7.4 cubic feet per second August 16.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	15	15	16	16	15	13	20	8.6	12	11	12
2	10	15	15	16	16	13	12	19	8.5	10	10	12
3	11	15	15	16	16	15	12	19	8.3	8.6	9.7	12
4	11	15	15	15	15	14	11	19	8.7	2,690	9.8	11
5	11	15	15	15	15	14	11	19	9.0	845	11	11
6	11	15	14	15	15	14	11	18	9.4	86	10	11
7	11	15	14	15	15	14	11	19	9.5	34	10	11
8	11	15	14	16	14	17	10	19	9.8	23	9.1	11
9	11	15	14	16	15	14	11	18	9.8	19	7.9	11
10	11	15	14	16	14	13	11	17	9.5	17	9.0	11
11	11	15	14	15	13	13	10	17	12	16	9.1	11
12	11	15	14	15	13	13	10	16	11	14	9.9	11
13	11	15	14	15	13	14	11	16	12	14	10	12
14	11	15	14	16	13	17	11	16	12	13	8.5	12
15	11	14	14	16	14	15	11	16	12	12	8.1	12
16	11	14	14	16	14	14	13	15	12	12	7.4	12
17	11	14	14	16	14	14	12	16	11	14	8.1	12
18	11	14	15	16	14	15	11	16	11	17	7.9	11
19	11	14	15	16	13	15	12	16	11	102	11	11
20	11	14	14	16	14	15	11	15	94	28	12	14
21	12	15	15	17	14	15	12	15	67	17	12	13
22	12	14	15	17	14	14	13	15	18	15	13	13
23	12	18	15	17	17	19	13	14	12	13	12	13
24	13	16	15	17	16	19	14	13	9.2	12	12	14
25	13	15	15	17	15	15	15	14	16	11	12	14
26	13	15	15	17	14	14	15	224	77	11	12	13
27	14	16	15	17	14	14	16	50	71	10	11	13
28	14	15	16	17	14	14	16	15	22	11	11	13
29	14	15	16	17	15	13	17	11	15	12	9.1	12
30	14	15	16	17	-----	13	20	9.4	14	12	8.9	12
31	14	-----	16	16	-----	13	-----	8.8	-----	12	9.2	-----
TOTAL	363	448	456	499	419	451	376	735.2	610.3	4,122.6	311.7	361
MEAN	11.7	14.9	14.7	16.1	14.4	14.5	12.5	23.7	20.3	133	10.1	12.0
MAX	14	18	16	17	17	19	20	224	94	2,690	13	14
MIN	10	14	14	15	13	13	10	8.8	8.3	8.6	7.4	11
AC-FT	720	889	904	990	831	895	746	1,460	1,210	8,180	618	716
CAL YEAR 1999	TOTAL	5,930.70	MEAN	16.2	MAX	173	MIN	6.5	AC-FT	11,760		
WTR YEAR 2000	TOTAL	9,152.80	MEAN	25.0	MAX	2,690	MIN	7.4	AC-FT	18,150		

# REPUBLICAN RIVER BASIN

## COURTLAND CANAL from Republican River, 00031000 - 2000

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29E				0	153E	411E	0	148	452	573	143
2	27E				0	155E	411E	0	164	461	562	133
3	27E				0	159E	394E	31	172	457	565	127
4	23E				0	154E	350E	105	172	482	573	123
5	0				0	146E	297E	105	211	481	573	99
6	0				0	138E	246E	105	210	474	573	84
7	0				0	149E	211E	102	205	465	573	83
8	0				0	159E	210E	100	265	463	569	28
9	0				0	155E	198E	102	286	466	515	76E
10	0				0	145E	154E	102	287	489	492	71E
11	0				0	144E	100E	100	289	491	491	66E
12	0				0	140E	55E	99	361	494	491	64E
13	0				0	145E	0	98	388	508	491	63E
14	0				0	158E	0	98	389	513	491	61E
15	0				0	150E	0	98	396	516	489	60E
16	0				0	138E	0	97	417	518	464	59E
17	0				0	141E	0	97	426	518	450	56E
18	0				0	150E	0	97	426	513	447	53E
19	0				0	151E	0	97	480	516	447	62E
20	0				0	145E	0	97	497	538	447	70E
21	0				0	142E	0	97	459	595	447	72E
22	0				0	159E	0	97	411	594	426	70E
23	0				24E	249E	0	97	398	579	397	77E
24	0				147E	279E	0	124	397	579	340	77E
25	0				141E	307E	0	184	402	579	329	73E
26	0				127E	344E	0	203	404	579	331	73E
27	0				126E	412E	0	200	416	579	331	72E
28	0				129E	430E	0	116	430	579	327	69E
29	0				139E	419E	0	116	432	579	285	76E
30	0				-----	409E	0	115	432	579	234	62E
31	0	-----			-----	410E	-----	131	-----	579	180	-----
TOTAL	106				833	6,535	3,037	3,210	10,370	16,215	13,903	2,302
MEAN	3.42				28.7	211	101	104	346	523	448	76.7
MAX	29				147	430	411	203	497	595	573	143
MIN	0				0	138	0	0	148	452	180	28
AC-FT	210				1,650	12,960	6,020	6,370	20,570	32,160	27,580	4,570
CAL YEAR 1999	MAX	483	MIN	0	AC-FT	62,510						
WTR YEAR 2000	MAX	595	MIN	0	AC-FT	112,100						

E indicates estimated discharge.

# REPUBLICAN RIVER BASIN

**SUPERIOR CANAL from Republican River, 00137000 - 2000**

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 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								0	64	101	118	15
2								0	64	103	118	0
3								0	63	112	114	0
4								0	62	56	102	0
5								0	78	8.4	98	0
6								0	86	7.8	99	0
7								0	91	7.8	107	0
8								0	91	50	110	0
9								0	90	94	110	0
10								0	113	112	110	0
11								0	119	115	110	0
12								0	122	138	110	0
13								0	129	143	111	0
14								0	123	145	111	0
15								0	123	144	112	0
16								0	95	145	112	0
17								0	120	146	109	0
18								0	121	144	105	0
19								0	130	138	99	0
20								0	111	121	94	0
21								0	78	122	79	0
22								0	80	118	78	0
23								0	81	117	78	0
24								0	82	117	78	0
25								0	84	118	78	0
26								0	103	118	78	0
27								0	112	117	77	0
28								0	111	118	71	0
29								0	110	118	63	0
30					-----			13	108	118	63	0
31		-----			-----		-----	55	-----	117	54	-----
TOTAL								68	2,944	3,329.0	2,956	15
MEAN								2.19	98.1	107	95.4	.50
MAX								55	130	146	118	15
MIN								0	62	7.8	54	0
AC-FT								135	5,840	6,600	5,860	30
CAL YEAR 1999	MAX	141	MIN	0	AC-FT	15,280						
WTR YEAR 2000	MAX	146	MIN	0	AC-FT	18,470						

## BIG BLUE RIVER BASIN

## BIG BLUE RIVER at Surprise, 06879900 - 2000

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 735 cubic feet per second July 4, gage height 4.78 feet; No flow September 1-3.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.8	4.7	7.8	4.8E	5.2E	8.4	7.9	8.3	4.3	1.3	1.5	0
2	3.0	4.8	7.8	4.6E	5.4E	8.2	7.3	8.0	4.0	2.3	3.0	0
3	3.5	5.9	9.1	4.6E	5.4E	8.4	7.2	7.6	3.9	1.6	2.3	0
4	3.7	5.2	8.6	4.0E	5.4E	7.9	7.1	7.5	3.8	212	2.1	.02
5	3.4	6.3	7.5	3.6E	5.4E	7.2	7.7	7.3	3.7	7.9	2.8	.74
6	3.8	6.3	7.1	3.8E	5.8E	6.6	7.9	7.0	3.5	2.4	3.0	.57
7	3.8	5.3	6.6	3.8E	6.0E	6.7	7.8	7.5	3.6	6.8	2.0	.41
8	4.5	5.6	5.8	3.8E	6.2E	6.9	7.5	7.5	3.3	7.4	1.1	.30
9	3.1	5.3	5.8	3.8E	5.8E	6.3	7.4	6.9	3.0	5.4	1.7	.32
10	3.7	5.2	5.3	3.8E	5.2E	6.3	7.7	6.4	3.0	4.5	2.5	.25
11	3.2	5.4	5.4E	3.8E	5.0E	6.8	8.4	7.2	3.4	3.5	.75	.17
12	3.5	5.7	5.4E	3.5E	5.0E	6.6	8.3	6.7	4.0	3.4	.99	.11
13	2.8	6.0	5.6E	3.6E	5.2E	6.3	8.5	6.0	4.2	2.6	2.1	.13
14	3.2	6.1	5.6E	4.0E	5.2E	6.4	8.5	5.6	3.5	2.8	2.0	.07
15	4.9	6.6	5.4E	4.1E	5.4E	6.3	7.9	5.7	2.9	2.4	1.3	.06
16	3.5	6.6	5.4E	4.3E	5.4E	6.0	9.3	6.4	2.4	1.4	1.4	.08
17	4.0	6.8	5.0E	4.2E	5.2E	5.9	9.3	6.4	3.0	1.9	.58	.07
18	2.7	6.9	4.8E	4.0E	5.2E	6.6	9.3	6.1	3.8	1.3	.57	.05
19	3.4	6.6	4.0E	4.1E	5.8E	7.0	9.2	6.3	2.1	.76	1.0	.03
20	3.9	6.6	3.4E	4.0E	6.6E	6.9	9.0	6.1	2.8	7.1	1.4	.11
21	6.0	6.8	3.4E	4.3E	7.6E	7.5	9.0	5.9	2.7	8.1	1.2	.15
22	5.5	7.2	3.4E	4.4E	8.0E	7.5	9.3	5.2	3.0	15	1.3	.44
23	4.5	8.9	3.8E	4.6E	8.2E	8.0	9.3	4.6	1.4	7.2	1.4	.24
24	5.4	9.1	4.2E	4.7E	8.6E	8.8	11	4.4	3.5	3.9	1.0	.30
25	5.0	8.8	4.4E	4.8E	10	9.0	9.4	4.4	21	2.5	1.1	.24
26	4.2	7.7	4.6E	5.0E	8.2	8.9	9.3	5.8	13	1.8	1.2	.15
27	4.8	7.5	4.8E	5.0E	7.5	7.5	9.6	6.4	2.3	2.3	1.0	.21
28	5.2	7.3	4.8E	4.9E	7.5	7.0	10	5.7	1.7	2.9	1.0	.19
29	5.2	7.8	5.0E	4.7E	8.4	7.0	8.2	5.7	2.8	5.3	1.1	.11
30	5.2	7.7	5.0E	5.0E	-----	7.9	8.0	5.1	2.1	2.3	.96	.06
31	5.0	-----	4.8E	5.2E	-----	7.7	-----	4.4	-----	1.4	.01	-----
TOTAL	126.4	196.7	169.6	132.8	183.8	224.5	256.3	194.1	121.7	331.46	45.36	5.58
MEAN	4.08	6.56	5.47	4.28	6.34	7.24	8.54	6.26	4.06	10.7	1.46	.19
MAX	6.0	9.1	9.1	5.2	10	9.0	11	8.3	21	212	3.0	.74
MIN	2.7	4.7	3.4	3.5	5.0	5.9	7.1	4.4	1.4	.76	.01	0
AC-FT	251	390	336	263	365	445	508	385	241	657	90	11
CAL YEAR 1999 TOTAL		8,351.20	MEAN	22.9	MAX	1,130	MIN	2.4	AC-FT	16,560		
WTR YEAR 2000 TOTAL		1,988.30	MEAN	5.43	MAX	212	MIN	0	AC-FT	3,940		

E indicates estimated discharge.

# BIG BLUE RIVER BASIN

**LINCOLN CREEK near Seward, 06880000 - 2000**

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 747 cubic feet per second July 5, gage height 12.44 feet; minimum daily discharge 12 cubic feet per second August 31.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	29	34	35E	33E	44	41	40	34	31	24	13
2	26	29	35	34E	34E	41	41	40	34	29	23	13
3	26	29	36	32E	34E	40	41	39	36	27	23	13
4	26	29	38	30E	33E	39	40	38	35	265	25	14
5	27	29	36	31E	34E	37	38	38	34	422	24	14
6	28	29	36	32E	35E	36	36	38	33	82	23	13
7	27	30	36	33E	35E	38	38	38	33	48	23	13
8	28	30	36	33E	36E	39	38	42	32	50	22	13
9	28	30	36	33E	35E	42	38	41	30	49	21	13
10	28	31	36	32E	35E	41	38	42	30	37	21	13
11	27	30	36	32E	34E	41	38	40	42	30	22	13
12	27	29	36	32E	33E	41	38	39	159	31	22	13
13	28	30	36	33E	32E	40	36	38	115	26	23	13
14	27	31	37	33E	33E	40	36	41	46	25	21	13
15	27	30	37	34E	33E	39	35	41	35	26	18	13
16	28	29	36E	33E	34E	39	37	39	33	31	18	13
17	27	32	34E	31E	34E	41	37	38	31	33	16	13
18	27	32	36E	30E	34E	43	37	38	29	32	17	13
19	27	30	32E	30E	34E	44	38	37	29	34	21	13
20	27	29	28E	30E	34E	41	38	36	61	88	24	13
21	27	30	27E	30E	35E	42	37	35	39	57	21	14
22	27	30	27E	32E	38E	43	37	35	30	46	20	14
23	27	33	28E	31E	39	41	38	35	29	36	22	14
24	27	32	28E	30E	38	43	39	34	30	31	22	14
25	27	32	29E	31E	38	41	44	34	88	28	21	14
26	27	33	30E	31E	38	40	47	36	289	24	19	14
27	27	34	32E	32E	37	41	40	50	45	22	18	14
28	27	34	33E	32E	36	42	39	39	35	28	16	14
29	27	33	33E	32E	38	42	40	37	33	28	15	14
30	28	33	34E	31E	-----	43	40	36	31	29	14	14
31	28	-----	34E	32E	-----	40	-----	36	-----	25	12	-----
TOTAL	841	921	1,042	987	1,016	1,264	1,160	1,190	1,560	1,750	631	402
MEAN	27.1	30.7	33.6	31.8	35.0	40.8	38.7	38.4	52.0	56.5	20.4	13.4
MAX	28	34	38	35	39	44	47	50	289	422	25	14
MIN	26	29	27	30	32	36	35	34	29	22	12	13
AC-FT	1,670	1,830	2,070	1,960	2,020	2,510	2,300	2,360	3,090	3,470	1,250	797
CAL YEAR 1999 TOTAL		25,740	MEAN	70.5	MAX	1,680	MIN	20	AC-FT	51,060		
WTR YEAR 2000 TOTAL		12,764	MEAN	34.9	MAX	422	MIN	12	AC-FT	25,320		

E indicates estimated discharge.



## BIG BLUE RIVER BASIN

## BIG BLUE RIVER at Seward, 06880500 - 2000

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 967 cubic feet per second July 5, gage height 9.72 feet; minimum daily discharge 14 cubic feet per second August 15 & 16.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	68	56	60E	58E	87	65	80	72	59	35	19
2	45	63	56	58E	58E	94	65	75	69	52	32	19
3	47	64	59	58E	58E	90	64	72	70	48	32	20
4	51	64	62	56E	60E	79	62	70	66	149	33	22
5	45	62	59	56E	60E	74	62	71	62	841	34	22
6	47	61	61	58E	60E	70	62	74	58	566	35	21
7	48	60	58	60E	62E	69	61	75	53	238	31	21
8	51	59	54E	60E	62E	70	59	83	45	138	24	22
9	52	59	54E	62E	62E	70	58	89	39	88	19	21
10	52	59	52E	58E	62E	68	60	86	38	70	22	20
11	52	60	54E	60E	62E	66	62	84	52	57	21	20
12	57	60	52E	64E	64E	65	63	80	125	47	20	20
13	60	63	52E	62E	64E	63	64	77	100	39	20	21
14	62	62	49E	62E	64E	61	68	79	49	34	18	21
15	67	62	48E	62E	66E	61	72	81	33	38	14	20
16	67	60	49E	64E	66E	59	76	79	29	44	14	21
17	66	61	50E	62E	66E	59	78	78	28	51	15	21
18	67	60	48E	60E	64E	62	78	82	28	47	15	19
19	68	58	48E	58E	64E	66	81	82	30	51	22	17
20	70	58	45E	56E	66	63	81	98	61	104	33	20
21	67	57	44E	56E	66	66	79	97	55	90	33	23
22	64	58	45E	58E	78	67	77	83	42	71	31	24
23	65	61	48E	58E	83	68	78	79	39	64	34	24
24	65	62	50E	56E	85	72	79	76	41	58	33	24
25	68	65	54E	56E	79	73	78	73	207	54	31	24
26	70	66	56E	54E	75	76	93	78	638	44	28	24
27	69	62	58E	54E	74	75	82	97	556	37	27	24
28	70	60	60E	56E	75	72	76	119	174	43	25	23
29	74	58	60E	56E	76	69	76	100	103	42	23	23
30	74	57	60E	58E	-----	65	78	83	73	41	22	22
31	73	-----	60E	58E	-----	66	-----	78	-----	37	18	-----
TOTAL	1,878	1,829	1,661	1,816	1,939	2,165	2,137	2,558	3,035	3,342	794	642
MEAN	60.6	61.0	53.6	58.6	66.9	69.8	71.2	82.5	101	108	25.6	21.4
MAX	74	68	62	64	85	94	93	119	638	841	35	24
MIN	45	57	44	54	58	59	58	70	28	34	14	17
AC-FT	3,730	3,630	3,290	3,600	3,850	4,290	4,240	5,070	6,020	6,630	1,570	1,270
CAL YEAR 1999 TOTAL		53,850	MEAN	148	MAX	2,650	MIN	44	AC-FT	106,800		
WTR YEAR 2000 TOTAL		23,796	MEAN	65.0	MAX	841	MIN	14	AC-FT	47,200		

E indicates estimated discharge.

**RECORD CORRECTION – 2000 Hydrographic Report:** The record published for Turkey Creek near Wilber in the 2000 Hydrographic Report on page 211 is incorrect. The correct copy is printed below. This can be cut to size and inserted into the 2000 report on page 211.

**TURKEY CREEK near Wilber, 06881200 - 2000**

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

DRAINAGE AREA.--461 square miles.

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

PERIOD OF RECORD.--1959 - present

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,140 cubic feet per second July 6, gage height 11.00 feet; minimum daily discharge 2.7 cubic feet per second September 30.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	17	20	26E	23E	30	29	27	18	42	49	6.6
2	12	16	20	26E	23E	32	28	28	18	30	32	6.4
3	13	17	20E	23E	24E	32	28	29	18	25	25	6.5
4	14	17	19E	21E	24E	30	28	28	17	265	19	6.4
5	14	17	19E	21E	22E	31	27	27	17	982	16	5.8
6	14	19	20E	21E	23E	31	27	26	16	1,120	13	5.6
7	14	19	20E	22E	23E	31	27	25	17	1,090	13	5.4
8	14	19	19E	23E	24E	30	26	26	17	665	11	5.4
9	14	20	19E	23E	26E	29	26	27	15	237	11	8.5
10	14	20	18E	23E	26E	29	26	27	14	125	9.9	17
11	14	19	18E	22E	26E	27	26	26	12	80	8.1	11
12	13	19	19E	23E	27E	28	26	25	11	57	6.8	8.9
13	13	19	20E	22E	26E	28	26	24	14	42	7.3	7.9
14	14	19	19E	22E	26E	28	26	23	11	33	9.3	5.7
15	15	19	18E	22E	25E	28	27	23	47	32	8.0	4.6
16	14	19	18E	22E	26E	29	29	22	108	28	7.5	4.3
17	14	19	18E	22E	27E	28	30	22	44	26	8.1	4.1
18	14	19	18E	22E	28E	29	31	22	20	26	11	3.8
19	15	19	17E	22E	29E	29	31	22	16	26	18	3.8
20	15	19	17E	21E	30E	31	30	22	18	38	26	3.8
21	16	19	16E	22E	30E	32	30	22	15	58	15	5.0
22	16	19	16E	23E	30E	31	29	21	14	61	83	4.1
23	16	23	17E	23E	35	31	29	20	11	44	67	4.6
24	16	22	19E	23E	37	32	28	20	11	38	40	4.9
25	16	23	22E	23E	38	33	28	20	21	32	28	3.8
26	16	21	23E	23E	35	34	28	22	351	22	27	3.8
27	17	21	24E	23E	32	32	29	28	183	18	36	3.7
28	16	21	25E	23E	31	31	28	22	166	20	27	3.5
29	17	21	26E	22E	30	30	27	20	109	25	15	3.3
30	17	20	26E	22E	-----	29	27	19	71	93	11	2.7
31	16	-----	27E	22E	-----	29	-----	18	-----	80	7.8	-----
TOTAL	457	581	617	698	806	934	837	733	1,420	5,460	665.8	170.9
MEAN	14.7	19.4	19.9	22.5	27.8	30.1	27.9	23.6	47.3	176	21.5	5.70
MAX	17	23	27	26	38	34	31	29	351	1,120	83	17
MIN	12	16	16	21	22	27	26	18	11	18	6.8	2.7
AC-FT	906	1,150	1,220	1,380	1,600	1,850	1,660	1,450	2,820	10,830	1,320	339
CAL YEAR 1999 TOTAL		25,275.0	MEAN	69.2	MAX	1,310	MIN	12	AC-FT	50,130		
WTR YEAR 2000 TOTAL		13,379.7	MEAN	36.6	MAX	1,120	MIN	2.7	AC-FT	26,540		

E indicates estimated discharge.

# BIG BLUE RIVER BASIN

## BIG BLUE RIVER at Beatrice, 06881500 - 2000

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 5,690 cubic feet per second July 8, gage height 11.84 feet; minimum daily discharge 109 cubic feet per second August 17.

### DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	253	265	298	310E	185E	402	344	346	317	1,900	561	177
2	257	277	300	290E	195E	408	337	321	305	1,050	524	162
3	257	274	300E	270E	210E	413	330	318	282	610	398	162
4	258	261	300E	250E	205E	456	323	310	271	2,500	324	165
5	254	271	300E	250E	205E	439	311	302	263	3,160	280	163
6	264	268	310E	260E	215E	408	312	304	249	3,640	254	160
7	256	271	310E	260E	220E	393	315	297	226	5,210	235	158
8	259	262	300E	260E	230E	393	310	297	204	5,250	205	160
9	264	268	300E	260E	245E	401	301	303	186	3,100	182	154
10	269	274	290E	250E	260E	388	306	304	163	2,210	168	146
11	270	278	290E	250E	270E	380	312	294	156	1,600	141	156
12	264	273	290E	240E	260E	376	317	314	135	1,130	131	165
13	263	282	280E	240E	250E	370	310	314	129	693	133	157
14	263	279	290E	245E	250E	365	308	304	189	437	133	153
15	247	284	280E	250E	260E	360	327	290	391	342	120	156
16	252	280	280E	245E	270E	354	368	280	373	307	115	154
17	246	279	280E	220E	280E	352	378	270	306	286	109	150
18	253	282	260E	205E	290E	367	363	276	229	321	126	149
19	248	286	240E	200E	300E	366	350	282	156	342	245	145
20	251	284	235E	190E	320E	358	372	286	250	431	445	170
21	251	282	205E	195E	340E	363	362	291	262	548	335	165
22	251	298	215E	175E	350E	379	349	305	202	781	298	161
23	262	321	220E	170E	392	382	343	295	220	803	352	173
24	263	335	225E	170E	397	380	342	310	311	584	342	173
25	258	317	255E	170E	423	376	336	295	357	436	306	170
26	259	305	270E	175E	438	376	334	321	1,790	369	294	164
27	253	311	280E	175E	431	378	335	329	2,160	328	274	160
28	258	305	310E	170E	420	374	340	326	2,610	534	255	163
29	256	307	320E	170E	409	361	348	305	2,780	775	225	159
30	260	304	320E	175E	-----	346	363	344	2,740	628	205	154
31	262	-----	320E	180E	-----	345	-----	345	-----	449	189	-----
TOTAL	7,981	8,583	8,673	6,870	8,520	11,809	10,046	9,478	18,212	40,754	7,904	4,804
MEAN	257	286	280	222	294	381	335	306	607	1,315	255	160
MAX	270	335	320	310	438	456	378	346	2,780	5,250	561	177
MIN	246	261	205	170	185	345	301	270	129	286	109	145
AC-FT	15,830	17,020	17,200	13,630	16,900	23,420	19,930	18,800	36,120	80,840	15,680	9,530
CAL YEAR 1999	TOTAL	317,914	MEAN	871	MAX	9,890	MIN	205	AC-FT	630,600		
WTR YEAR 2000	TOTAL	143,634	MEAN	392	MAX	5,250	MIN	109	AC-FT	284,900		

E indicates estimated discharge.

# LITTLE BLUE RIVER BASIN

**BIG SANDY CREEK at Alexandria, 06883940 - 2000**

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.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 21,900 cubic feet per second June 13, 1984, gage height 16.71 ft; minimum daily discharge 2.4 cubic feet per second September 11-12, 1996.

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,870 cubic feet per second July 4, gage height 9.86 feet; minimum daily discharge 14 cubic feet per second estimated September 10 & 11.

DAILY DISCHARGE IN CUBIC FEET PER SECOND WATER YEAR OCT 1999 TO SEP 2000

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	24	24	21	21	24	23	28	23	42	38	19
2	22	23	24	22	22	25	23	26	23	35	35	18
3	23	24	31	22	23	24	24	25	24	42	32	18
4	23	22	27	21	24	24	25	25	23	1,660	29	17
5	22	22	23	21	23	23	24	25	22	1,760	30	18
6	24	23	23	21	23	24	26	25	21	1,030	37	16
7	23	23	23	21	24	24	27	26	21	701	36	15
8	23	20	24	21	24	25	26	27	21	469	36	16
9	24	21	24	21	23	24	26	27	20	385	29	15
10	24	22	24	20	25	24	27	27	20	291	25	14
11	24	22	23	21	25	24	27	26	20	178	23	14
12	22	22	23	21	25	24	28	27	20	113	21	16
13	22	23	23	21	24	24	28	27	20	83	19	16
14	23	23	21	22	24	25	27	27	19	71	19	15
15	22	23	22	21	24	25	29	28	20	69	19	15
16	22	22	22	22	26	24	31	28	21	63	17	15
17	22	23	21	22	27	24	28	26	21	86	16	16
18	23	23	21	22	28	25	26	28	20	63	16	15
19	23	24	21	21	27	25	26	27	19	451	91	15
20	23	25	21	22	28	23	30	25	29	216	217	19
21	23	23	21	21	27	24	26	25	26	99	112	17
22	24	25	21	20	28	23	26	25	24	63	72	18
23	24	26	21	21	29	26	26	26	34	47	46	17
24	24	24	20	22	27	26	24	25	33	39	35	18
25	23	25	21	21	27	24	26	25	27	33	28	17
26	23	24	22	21	27	23	26	27	527	30	27	17
27	22	24	22	20	27	23	26	26	287	29	26	18
28	22	24	22	20	25	23	25	25	162	246	23	18
29	22	24	22	20	25	23	26	24	80	189	21	17
30	23	24	22	21	-----	22	28	23	56	68	20	16
31	23	-----	22	21	-----	24	-----	23	-----	49	18	-----
TOTAL	709	697	701	654	732	745	790	804	1,683	8,700	1,213	495
MEAN	22.9	23.2	22.6	21.1	25.2	24.0	26.3	25.9	56.1	281	39.1	16.5
MAX	24	26	31	22	29	26	31	28	527	1,760	217	19
MIN	22	20	20	20	21	22	23	23	19	29	16	14
AC-FT	1,410	1,380	1,390	1,300	1,450	1,480	1,570	1,590	3,340	17,260	2,410	982
CAL YEAR 1999	TOTAL	21,401	MEAN	58.6	MAX	1,960	MIN	13	AC-FT	42,450		
WTR YEAR 2000	TOTAL	17,923	MEAN	49.0	MAX	1,760	MIN	14	AC-FT	35,550		

# INDEX

	<u>Page</u>
Ainsworth Canal.....	29
Alliance Canals.....	68, 70
Bartley Canal.....	192
Bayard Creek near Bayard.....	67
Beaver Creek near Beaver City.....	199
Beaver Creek at Loretto.....	167
Beerline Canal.....	81
Belmont Canals.....	71, 82
Bennett-Kay Canal.....	13
Big Blue River at Surprise.....	208
Big Blue River at Seward.....	210
Big Blue River at Beatrice.....	212
Big Sandy Creek at Alexandria.....	213
Birdwood Canal.....	104
Birdwood Creek near Hershey.....	105
Blue Creek and Hooper Canal.....	87
Blue Creek near Lewellen.....	91
Box Butte Reservoir.....	21
Browns Creek Canal.....	74
Buffalo Creek (B-1) Reservoir Supply Canal.....	126
Burwell-Sumter Canal.....	161
Calamus Fish Hatchery Inlet.....	156
Calamus Reservoir.....	154
Calamus River near Burwell.....	160
Calamus River near Harrop.....	153
Cambridge Canal.....	196
Castle Rock-Steamboat Canal.....	60
Cedar River near Fullerton.....	166
Cedar River near Spalding.....	165
Central Canal.....	56
Chimney Rock Canal.....	66
Cody-Dillon Canal.....	107
Cook Canal No. 1.....	9
Court House Rock Canal.....	75
Courtland Canal.....	206
Cozad Canal.....	128
Culbertson Canal.....	186
Davis Creek Reservoir.....	158
Davis Creek Reservoir Inlet.....	157
Dawson County Canal.....	130
Dry Spotted Tail Creek at Mitchell.....	51
Earnest Canals.....	6, 7
Elkhorn River near Atkinson.....	168
Elkhorn River at Neligh.....	170
Elkhorn River, South Fork near Ewing.....	169
Elm Creek at Amboy.....	205
Elwood Reservoir.....	118
Empire Canal.....	72
Enterprise Canal.....	50
Excelsior Canal.....	17

**INDEX**

Farwell Canals.....	142, 146, 147
Fort Laramie Canals.....	32, 33
Franklin Canal.....	202
Franklin Pump Canal.....	203

# INDEX

	<u>Page</u>
Frenchman Creek near Enders.....	184
Frenchman Creek near Imperial.....	183
Fullerton Canal.....	159
Gering Canal.....	40
Gering Creek near Gering.....	59
Gothenburg Canal.....	125
Graf Canal.....	90
Haigler Canals and Spillback.....	177 - 179
Harlan County Reservoir near Republican City.....	200
Harris-Neece Canal.....	10
Harry Strunk Lake near Cambridge.....	194
HitsheW, George, Canal.....	15
Hooper Canal.....	88
Horse Creek near Lyman.....	48
Hugh Butler Lake near McCook.....	189
Hughes Canal.....	18
Interstate Canal.....	34
Jeffrey Power Return.....	117
Jeffrey Reservoir.....	116
Johnson Canal.....	4
Johnson Reservoir.....	119
Johnson Power Return.....	121
Kearney Canal and Power Return.....	132, 133
Keith-Lincoln County Canal.....	100
Kent Canal.....	152
Keya Paha River near Naper.....	31
Kingsley Reservoir.....	93
LaBelle Canal.....	11
Lake Alice.....	35
Lake Minatare.....	37
Lakotah Canal.....	5
Last Chance Canal.....	76
Lichte Canal.....	24
Lincoln Creek near Seward.....	209
Lincoln County Drain No. 1.....	108
Lisco Canal from North Platte River.....	83
Little Lake Alice.....	36
Lodgepole Creek above Oliver Reservoir.....	110
Lodgepole Creek below Oliver Reservoir.....	112
Logan Creek at Pender.....	176
Maloney Reservoir.....	97
McGinley-Stover Canal.....	8
McLaughlin Canal.....	16
Medicine Creek above Harry Strunk Lake.....	193
Medicine Creek below Harry Strunk Lake.....	195
Meeker-Driftwood Canal.....	180
Meredith-Ammer Canal.....	79
Merritt Reservoir.....	28
Mettlen Canal.....	12
Middle Loup Canals (No. 1,2,3 and 4).....	137 - 141, 143

**INDEX**

Midland-Overland Canal.....	85
Minatare Canal.....	58
Mira Creek near North Loup.....	164
Mirage Flats Canal.....	25



# INDEX

	<u>Page</u>
Mirdan Canal.....	155
Mitchell and Gering Canal.....	39
Montague Canal.....	23
Moore-Kay Canal.....	14
Mud Creek near Sweetwater.....	144
Muddy Creek at Arapahoe.....	197
Naponee Canal.....	201
Nelson Canal.....	78
Nine Mile Canals.....	62, 63
Nine Mile Creek near McGrew.....	64
Niobrara River at Wyoming - Nebraska State Line.....	3
Niobrara River above Box Butte Reservoir.....	20
Niobrara River below Box Butte Reservoir.....	22
North Loup River at Ord.....	162
North Platte Canal.....	101
North Platte River at Bridgeport.....	73
North Platte River near Keystone.....	99
North Platte River near Lewellen.....	92
North Platte River at Lisco.....	84
North Platte River near Minatare.....	61
North Platte River at Mitchell.....	52
North Platte River at North Platte.....	109
North Platte River near Sutherland.....	103
Northport Canal.....	47
Oliver Reservoir.....	111
Orchard-Alfalfa Canal.....	129
Ord-North Loup Canal.....	163
Paisley Canal.....	86
Paxton-Hershey Canal.....	102
Pebble Creek at Scribner.....	175
Phelps County Canal.....	120
Pioneer Canal.....	19
Platte River at Brady.....	123
Platte River near Cozad.....	131
Platte River near Maxwell.....	122
Platte River near Odessa.....	134
Potmesil Canal.....	26
Pumpkin Creek near Bridgeport.....	80
Red Willow Canal.....	191
Red Willow Creek near Bayard.....	69
Red Willow Creek above Hugh Butler Lake.....	188
Red Willow Creek near McCook.....	190
Republican River near Trenton.....	182
Riverside Canal.....	187
Sargent Canal.....	136
Sheep Creek near Morrill.....	49
Sherman Reservoir.....	145
Short Line Canal.....	65
Six Mile Canal.....	127
Snake River at Doughboy.....	27
Snake River near Burge.....	30

**INDEX**

South Platte River at North Platte.....	114
South Platte Supply Canal (Korty Canal).....	95
Suburban Canal.....	106

# INDEX

	<u>Page</u>
Superior Canal.....	207
Sutherland Canal.....	94
Sutherland Reservoir.....	96
Sutherland Power Return.....	98
Stinking Water Creek near Palisade.....	185
Swanson Lake near Trenton.....	181
Taylor-Ord Canal.....	149 - 151
Thirty Mile Canal.....	124
Thompson Creek at Riverton.....	205
Tri-County Canal.....	115
Trinnier Canal.....	77
Tri-State Canals.....	41 - 46
Tub Springs near Scottsbluff.....	53
Turkey Creek near Dannebrog.....	148
Turkey Creek at Edison.....	198
Turkey Creek near Wilber.....	211
Union Canal.....	89
Union Creek at Madison.....	174
Western Canal.....	113
White River at Crawford.....	1
Whitney Reservoir.....	2
Willow Creek near Foster.....	171
Willow Creek near Pierce.....	173
Willow Creek Reservoir.....	172
Winters Creek Canals.....	54, 55
Winters Creek Reservoir.....	38
Winters Creek near Scottsbluff.....	57
Wood River near Alda.....	135