



1994

HYDROGRAPHIC REPORT

STATE OF NEBRASKA

DEPARTMENT OF WATER RESOURCES

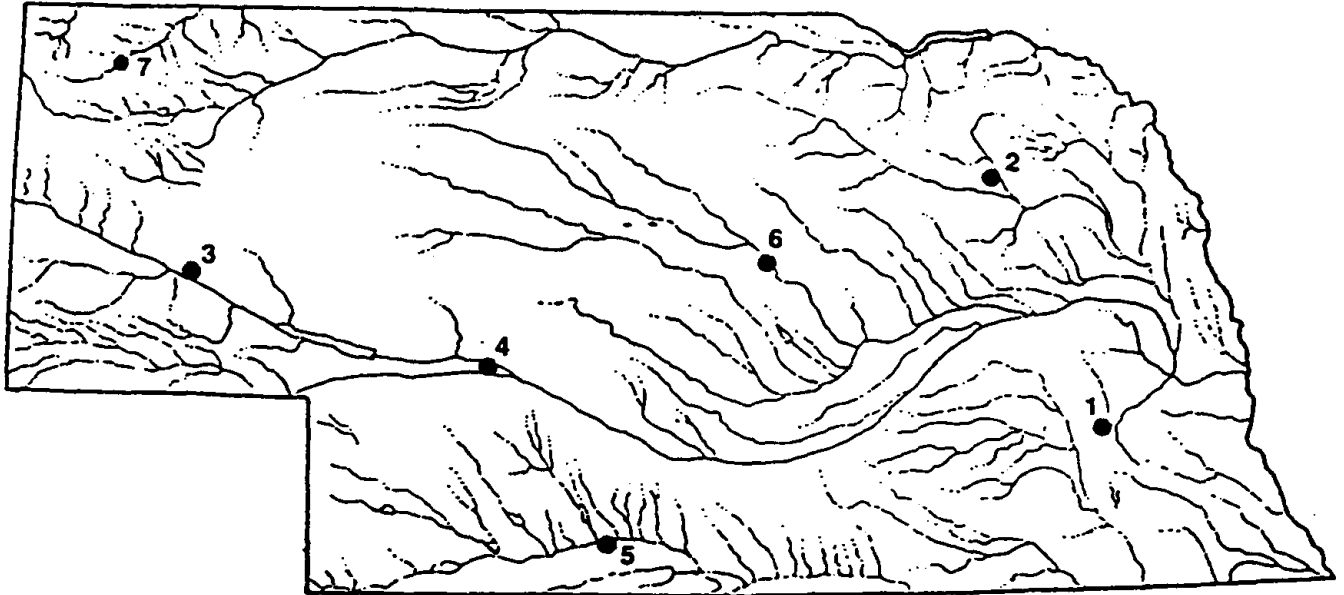
STATE OF NEBRASKA

DEPARTMENT OF WATER RESOURCES

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

1994

**Prepared Under the Direction of Michael Jess, Director
Department of Water Resources**



Dept. of Water Resources - Division Offices

1. **LINCOLN OFFICE**
Keith Paulsen, Division Supervisor
301 Centennial Mall South
P.O. Box 94676
Lincoln, Nebraska 68509-4676
PHONE: (402) 471-2363
FAX: (402) 471-2900
2. **NORFOLK OFFICE**
Bill Birkel, Division Supervisor
700 West Benjamin, Country Club Plaza
P.O. Box 1451
Norfolk, Nebraska 68702-1451
PHONE: (402) 370-3377
FAX: (402) 371-0653
3. **BRIDGEPORT OFFICE**
Thomas Hayden, Division Supervisor
729 Main Street
P.O. Box 787
Bridgeport, Nebraska 69336-0787
PHONE: (308) 262-0856
FAX: (308) 262-0412
4. **NORTH PLATTE FIELD OFFICE**
Leonard Beall
Craft State Office Building
200 South Silber, Room 018
North Platte, Nebraska 69101
PHONE: (308) 535-8164
FAX: (308) 535-8175
5. **CAMBRIDGE OFFICE**
Russell Oaklund, Division Supervisor
Luther Building, 401 Nasby
P.O. Box 426
Cambridge, Nebraska 69022
PHONE: (308) 697-3730
FAX: (308) 697-3200
6. **ORD OFFICE**
Karl Wadas, Division Supervisor
North Highway 11
P.O. Box 251
Ord, Nebraska 68862
PHONE: (308) 728-3325
FAX: (308) 728-5669**
7. **CRAWFORD FIELD OFFICE**
Tom Mitchell
P.O. Box 473
Crawford, Nebraska 69339
PHONE: (308) 665-1969

** The FAX machines are not located in these offices' buildings. Prior arrangements are necessary before sending FAXes to these numbers.

TABLE OF CONTENTS

	<u>Page</u>
Introduction and Explanation of Data.....	iii-iv
Daily Discharge of Rivers, Streams and Canals.....	1-224
and Storage in Reservoirs not Published by the U.S. Geological Survey, 1994	
Index.....	225-228

HYDROGRAPHIC REPORT

1994

INTRODUCTION and EXPLANATION OF DATA

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

The Hydrographic Report for calendar year 1994 provides a record of stream flow, reservoir storage, and diversions for irrigation and power in Nebraska according to statutory authority granted under Statutes 46-212, 46-227, and 46-234. 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.

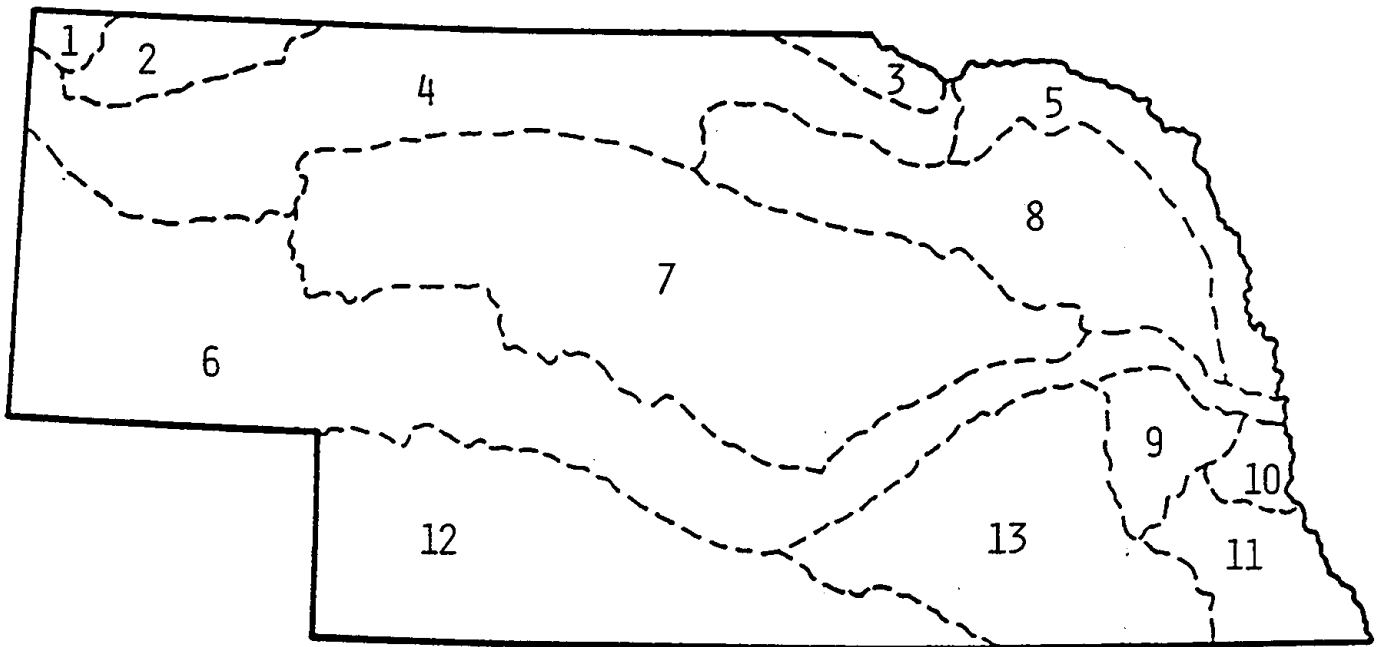
Data may be converted to other common units of measurement using the table of equivalents listed below:

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

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. 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. Copies of the Hydrographic Report can be obtained by contacting the Nebraska Department of Water Resources, PO Box 94676, Lincoln, Nebraska 68509-4676 or by E-mail lindeman@nrcdec.nrc.state.ne.us.

The Water Resources Data for Nebraska, published by the U. S. Geological Survey, includes stream and river data for gaging stations operated by the U. S. Geological Survey or its cooperators, including the Department of Water Resources. Copies can be obtained by contacting the District Chief, U. S. Geological Survey, Room 406, Federal Building and U. S. Courthouse, Lincoln, Nebraska 68508.

Records from this and previous years publications are also provided to the Nebraska Natural Resources Commission's computerized Data Bank. This information can be obtained by contacting the Data Bank Administrator, Nebraska Natural Resources Commission, PO Box 94876, Lincoln, Nebraska 68509-4876. For E-mail requests, use bansal@nrcdec.nrc.state.ne.us. A stream gage station list is available on the Internet at the Natural Resources Commission home page address www.nrc.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 TRIBS. (NIOBRARA TO PLATTE)
6. PLATTE RIVER
7. LOUP RIVER
8. ELKHORN RIVER
9. SALT CREEK
10. MISSOURI RIVER TRIBS. (PLATTE TO NEMAHA)
11. NEMAHA RIVERS
12. REPUBLICAN RIVER
13. BLUE RIVERS



1994

HYDROGRAPHIC REPORT

WHITE RIVER BASIN

1

WHITE RIVER at Crawford - 1994

LOCATION.--W1/2 Sec. 3-31-52 W., Dawes County

GAGE.--Continuous stage recorder

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

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991.
E indicates estimated daily discharge.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 13,300 cubic feet per second May 10, 1991, gage height 16.32 feet from floodmark.
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 54 cubic feet per second August 12, gage height 3.06 feet.
Minimum daily discharge 6.8 cubic feet per second August 26.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	22	20E	25	22	24	15	9.9	12	12	14	16	18
2	22	20E	26	22	23	14	9.9	12	13	17	16	18
3	22	20E	26	22	23	15	11	14	12	15	18	18
4	22	20E	25	23	23	15	14	12	12	15	19	18
5	22	20E	25	23	22	14	11	11	10	16	18	16E
6	21E	21E	27	22	23	14	11	10	10	23	18	18E
7	22E	21E	26	22	23	13	14	9.1	10	26	17	18E
8	22E	21E	24	22	22	16	15	9.2	10	17	19	19E
9	23E	21E	24	20	22	14	13	9.1	9.9	16	19	18E
10	22	20E	24	20	21	13	12	9.7	9.1	16	19	18E
11	21	21E	23	20	20	14	11	10	8.2	15	19	18E
12	22	22E	23	20	19	14	11	25	9.2	15	19	19E
13	22	23E	24	20	20	14	12	12	9.3	15	21	18E
14	22	22E	23	20	29	12	14	11	10	15	19	17E
15	21E	29	23	21	22	12	16	10	12	15	18	18E
16	21E	25	23	20	21	13	16	9.6	13	17	18	19E
17	21E	27	23	21	18	13	17	9.6	11	16	18	19E
18	22E	30	22	20	18	13	13	9.0	11	18	16	19
19	22E	26	22	20	18	13	12	8.7	10	16	16E	20
20	22E	25	23	20	17	12	11	8.6	10	16	16E	20
21	22E	24	22	19	19	13	11	9.4	11	15	16E	20E
22	22	21E	21	20	18	24	11	8.2	14	15	16E	20E
23	22	24E	22	19	18	26	11	7.5	13	15	18E	20
24	22	23E	22	20	17	16	12	7.6	12	15	19E	20
25	21	24E	22	21	17	14	12	7.0	13	15	19E	20
26	20	25E	22	25	16	12	16	6.8	12	16	19E	20
27	19E	25	22	24	16	11	13	7.0	11	16	18E	20
28	19E	25	22	24	16	11	11	7.3	12	16	17E	20
29	20E	-----	23	24	15	11	10	7.6	12	16	17E	20
30	20E	-----	22	24	14	10	11	7.5	12	16	18E	20
31	20E	-----	22	-----	14	-----	11	8.5	-----	16	-----	18E
TOTAL	663	645	723	640	608	421	382.8	306.0	333.7	504	536	584
MEAN	21.4	23.0	23.3	21.3	19.6	14.0	12.3	9.87	11.1	16.3	17.9	18.8
MAX	23	30	27	25	29	26	17	25	14	26	21	20
MIN	19	20	21	19	14	10	9.9	6.8	8.2	14	16	16
AC-FT	1,320	1,280	1,430	1,270	1,210	835	759	607	662	1,000	1,060	1,160
YEAR 1994	TOTAL	6,346.5	MEAN	17.4	MAX	30	MIN	6.8	AC-FT	12,590		

WHITE RIVER BASIN

WHITNEY RESERVOIR from White River - 1994

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

GAGE.--Staff gage

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

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

Date	Contents (Acre-feet)
March 15, 1994	10,106
April 21, 1994	10,205
May 3, 1994	10,520
May 16, 1994	10,412
June 27, 1994	7,270
July 11, 1994	5,920
August 1, 1994	4,610
August 15, 1994	3,885
August 24, 1994	3,412
October 11, 1994	3,400
October 24, 1994	3,700
November 18, 1994	4,575
November 30, 1994	5,030

NIOBRARA RIVER BASIN

3

NIOBRARA RIVER at Wyoming-Nebraska State Line - 1994

LOCATION.--SE1/4SW1/4 Sec. 15-31-60 W., Niobrara County, Wyoming

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1955 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994.
E indicates estimated daily discharge.

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 12 cubic feet per second on March 11 at gage height 1.98 feet.
Maximum gage height 3.66 feet due to backwater from snow in the channel.
Minimum daily discharge 1.4 cubic feet per second on September 11.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.6	2.5E	2.8	5.6	4.7	3.0	2.2	1.8	1.5	1.6	1.9	1.9
2	2.7	2.7E	3.1	5.6	4.9	3.0	2.3	1.8	1.5	1.7	1.8	1.9
3	2.7	2.7	3.2	5.5	4.8	2.9	2.4	1.7	1.7	1.6	1.8	2.0
4	2.6	2.4	5.2	5.5	4.7	3.0	2.4	1.7	1.7	1.6	1.8	2.0
5	2.6	2.4	5.7	5.3	4.4	2.7	2.2	1.7	1.7	1.6	1.8	1.9
6	2.6	2.4	5.8	5.1	4.3	2.6	2.4	1.7	1.7	2.4	1.9	1.8
7	2.5	2.4	4.9	5.0	4.1	2.5	3.5	1.7	1.6	2.3	1.9	1.8
8	2.4	2.4	4.3	5.1	3.9	2.4	3.1	1.7	1.5	1.6	1.9	1.8
9	2.4	2.3	4.1	4.8	3.8	2.3	2.6	1.6	1.5	2.1	2.0	1.8
10	2.4	2.2	5.2	4.8	3.7	2.3	2.3	1.6	1.5	2.1E	2.0	1.8
11	2.4	2.3	10	4.8	3.5	2.2	1.9	1.6	1.4	2.0E	2.1	1.8
12	2.5	2.3	9.1	4.7	3.3	2.2	2.1	1.6	1.4	2.0E	2.0	1.8
13	2.6	2.3	9.1	4.5	3.2	2.2	2.9	1.5	1.4	1.9E	2.1	1.8
14	2.6	2.4	9.5	4.7	3.8	2.2	2.9	1.5	1.4	1.9E	2.1	1.8
15	2.7	2.6	9.3	4.5	3.4	2.2	3.6	1.5	1.4	1.9E	2.0	1.7
16	2.7	2.8	9.2	4.3	3.3	2.2	2.7	1.5	1.5	1.9E	2.0	1.8
17	2.6E	3.5	9.6	4.2	3.0	2.2	2.4	1.5	1.5	1.8E	2.9	1.8
18	2.6	3.6	9.7	4.1	3.0	2.2	2.2	1.5	1.4	1.8E	2.9	1.8
19	2.6	3.2	9.9	4.0	3.0	2.2	1.9	1.5	1.5	1.8E	2.0	1.8
20	2.7	3.2	9.7	3.9	3.4	2.2	1.7	1.5	1.5	1.8E	2.0	1.8
21	2.7	3.0	9.1	3.8	3.5	2.2	1.7	1.5	1.5	1.8E	2.0	1.8
22	2.7	2.9	7.8	3.8	3.2	3.9	1.8	1.5	1.6	1.7E	1.8	1.9
23	2.6	3.0	7.3	3.9	3.2	2.3	1.8	1.5	1.5	1.7E	1.8	1.8
24	2.6	2.9E	6.4	3.8	3.3	2.2	1.8	1.5	1.5	1.7E	1.8	1.9
25	2.6	2.9E	6.3	3.9	3.4	2.2	1.8	1.5	1.4	1.7E	1.8	1.9
26	2.6	2.7	6.3	3.8E	3.3	2.3	1.8	1.5	1.4	1.7E	1.8	1.9
27	2.7	2.6	5.7	4.2E	3.4	2.3	1.9	1.5	1.4	1.7	1.9	1.9
28	2.7	2.6	5.7	4.5	3.2	2.2	1.8	1.6	1.4	1.8	1.8	1.9
29	2.7E	-----	5.5	4.4	3.1	2.2	1.8	1.8	1.4	1.8	1.7	1.8
30	2.7E	-----	5.6	4.5	3.1	2.2	1.8	2.1	1.5	1.7	1.8	1.9
31	2.7E	-----	5.6	-----	3.1	-----	1.8	1.9	-----	1.8	-----	1.9
TOTAL	80.8	75.2	210.7	136.6	112.0	72.7	69.5	50.1	44.9	56.5	59.1	57.2
MEAN	2.61	2.69	6.80	4.55	3.61	2.42	2.24	1.62	1.50	1.82	1.97	1.85
MAX	2.7	3.6	10	5.6	4.9	3.9	3.6	2.1	1.7	2.4	2.9	2.0
MIN	2.4	2.2	2.8	3.8	3.0	2.2	1.7	1.5	1.4	1.6	1.7	1.7
AC-FT	160	149	418	271	222	144	138	99	89	112	117	113
YEAR 1994	TOTAL	1,025.3	MEAN	2.81	MAX	10	MIN	1.4	AC-FT	2,030		

NIOBRARA RIVER BASIN

JOHNSON CANAL from Niobrara River - 1994

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

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

PERIOD OF RECORD.--1956 - present

REMARKS.--E indicates estimated daily discharge - no gage height record.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	2.4 E	.63	0	0	0			
2				0	2.3 E	.56	0	0	0			
3				0	2.2 E	.59	0	0	0			
4				1.0E	2.2	.56	0	0	0			
5				1.6E	2.1	.52	0	0	0			
6				1.6E	2.2	.52	0	0	0			
7				1.6E	2.1	.55	0	0	0			
8				1.6E	2.1	.55	0	0	0			
9				1.6E	2.0	.53	0	0	0			
10				1.6E	2.0	.51	0	0	0			
11				1.6E	2.0	.16	0	0	0			
12				1.6E	1.8	.01	0	0	0			
13				1.6E	1.9	0	0	0	0			
14				1.6E	2.1	0	0	0	0			
15				1.6E	2.1	0	0	0	0			
16				1.6E	1.9	0	0	0	0			
17				1.6E	1.7	0	0	0	0			
18				1.6E	1.6	0	0	0	0			
19				1.6	1.6	0	0	0	0			
20				1.6	1.6	0	0	0	0			
21				1.6	1.7	0	0	0	0			
22				1.6	1.6	0	0	0	0			
23				1.7	1.4	0	0	0	0			
24				1.7	1.4	0	0	0	0			
25				1.7	1.4	0	0	0	0			
26				3.1	1.3	0	0	0	0			
27				2.8E	1.2	0	0	0	0			
28				2.7E	1.1	0	0	0	0			
29		-----		2.6E	1.0	0	0	0	0			
30		-----		2.5E	.83	0	0	0	0			
31		-----		-----	.70	-----	0	0	-----		-----	
TOTAL				48.6	53.53	5.69	0	0	0			
MEAN				1.62	1.73	.19	0	0	0			
MAX				3.1	2.4	.63	0	0	0			
MIN				0	.70	0	0	0	0			
AC-FT				96	106	11	0	0	0			
YEAR 1994	MAX	3.1	MIN	0	AC-FT	214						

NIOBRARA RIVER BASIN

5

LAKOTAH CANAL from Niobrara River - 1994

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

REMARKS.--E indicates estimated daily discharge - no gage height record.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	4.6E	2.9	.92	1.3	1.3	2.3		
2				0	4.7E	2.8	.83	1.4	1.5	2.4		
3				0	4.7E	2.7	.79	1.5	1.6	2.5		
4				4.0E	4.8	2.5	.88	1.5	1.7	2.6		
5				4.1E	4.7	2.4	1.0	1.5	1.6	2.6E		
6				4.1E	4.7	2.3	3.3	1.4	1.6	1.3E		
7				4.1E	4.8	2.2	1.7	1.3	1.7	0		
8				4.1E	4.6	2.0	1.5	1.2	1.6	0		
9				4.1E	4.4	1.9	1.6	1.2	1.6	0		
10				4.1E	4.3	1.9	1.3	1.3	1.7	0		
11				4.1E	4.3	1.9	1.2	1.2	1.7	0		
12				4.1E	4.1	1.8	1.1	1.2	1.7	0		
13				4.1E	4.1	1.8	1.2	1.3	1.8	0		
14				4.1E	4.3	1.7	1.2 E	1.3	1.9	0		
15				4.1E	4.4	1.5	1.2 E	1.3	1.8	0		
16				4.1E	4.2	1.5	1.2 E	1.3	1.9	0		
17				4.1E	3.9	1.5	1.2 E	1.1	1.8	0		
18				4.1E	3.8	1.6	1.3 E	1.2	1.8	0		
19				4.1	3.8	1.6	1.4	1.2	1.9	0		
20				4.0	4.1	1.8	1.4	1.3	1.9	0		
21				4.1	4.2	1.7	1.2	1.3	1.7	0		
22				4.1	4.2	2.5	1.2	1.3	2.0	0		
23				4.0	3.9	3.0	1.2	1.2	2.1	0		
24				4.0	3.8	2.6	1.2	1.3	2.1	0		
25				3.9	3.7	2.0	1.4	1.3	2.1	0		
26				4.1	3.5	1.6	1.6	1.2	2.1	0		
27				4.2E	3.4	1.2	1.6	1.1	2.1	0		
28				4.3E	3.3	1.0	1.5	1.1	2.1	0		
29		-----		4.4E	3.3	.96	1.4	1.2	2.1	0		
30		-----		4.5E	3.1	.95	1.2	1.2	2.1	0		
31		-----		-----	2.9	-----	1.3	1.1	-----	0	-----	
TOTAL				111.1	126.6	57.81	41.02	39.3	54.6	13.7		
MEAN				3.70	4.08	1.93	1.32	1.27	1.82	.44		
MAX				4.5	4.8	3.0	3.3	1.5	2.1	2.6		
MIN				0	2.9	.95	.79	1.1	1.3	0		
AC-FT				220	251	115	81	78	108	27		
YEAR 1994	MEAN	2.08	MAX	4.8	MIN	0	AC-FT	881				

NIOBRARA RIVER BASIN

EARNEST CANAL (SOUTH) from Niobrara River - 1994

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

REMARKS.--E indicates estimated daily discharge - no gage height record.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	0	0	3.3	0	0			
2				0	0	0	3.1	0	0			
3				0	0	0	2.9	0	0			
4				0	0	0	3.1	0	0			
5				0	0	0	3.1	0	0			
6				0	0	0	3.3	0	0			
7				0	0	0	4.2	0	0			
8				0	0	0	4.3	0	0			
9				0	0	0	4.4	0	0			
10				0	0	0	4.0	0	0			
11				0	0	0	3.7	0	0			
12				0	0	0	3.4	0	0			
13				0	0	0	3.4	0	0			
14				0	0	1.4	3.4E	0	0			
15				0	0	2.7	3.4E	0	0			
16				0	0	2.9	2.5E	0	0			
17				0	0	3.1	2.0E	0	0			
18				2.5E	0	3.2	1.5E	0	0			
19				5.7	0	3.3	1.1	0	0			
20				5.6	0	4.5	4.2	0	0			
21				5.6	0	6.7	3.4	0	0			
22				5.8	0	6.3	2.9	0	0			
23				5.9	0	6.5	0	0	0			
24				5.9	0	6.1	0	0	0			
25				3.8	0	3.8	0	0	0			
26				0	0	3.8	0	0	0			
27				0	0	4.8	0	0	0			
28				0	0	3.8	0	0	0			
29		-----		0	0	3.5	0	0	0			
30		-----		0	0	3.5	0	0	0			
31		-----		-----	0	-----	0	0	-----		-----	
TOTAL				40.8	0	69.9	70.6	0	0			
MEAN				1.36	0	2.33	2.28	0	0			
MAX				5.9	0	6.7	4.4	0	0			
MIN				0	0	0	0	0	0			
AC-FT				81	0	139	140	0	0			
YEAR 1994	MEAN	.99	MAX	6.7	MIN	0	AC-FT	360				

NIOBRARA RIVER BASIN

7

EARNEST CANAL (NORTH) from Niobrara River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	0	2.5	2.3			
2					0	0	0	2.5	2.6			
3					0	0	0	2.7	2.8			
4					0	0	0	2.7	2.8			
5					0	0	0	2.7	2.9			
6					0	0	0	2.8	2.9			
7					0	.80	0	2.7	2.9			
8					0	1.8	0	2.7	2.9			
9					0	2.3	0	2.7	2.9			
10					0	2.5	0	2.6	3.0			
11					0	2.5	0	2.5	3.0			
12					0	2.4	0	2.5	3.0			
13					0	2.5	0	2.6	3.1			
14					0	1.8	0	2.6	3.2			
15					0	1.8	0	2.4	3.3			
16					0	0	0	2.3	3.3			
17					0	0	0	2.3	3.3			
18					0	0	0	2.3	3.4			
19					0	0	3.7	2.3	3.3			
20					0	0	3.4	2.3	3.2			
21					0	0	2.5	2.3	3.3			
22					0	0	2.2	2.4	3.4			
23					0	0	2.4	2.3	3.4			
24					0	0	2.6	2.3	3.4			
25					0	0	2.7	2.2	3.4			
26					0	0	2.8	2.1	3.0			
27					0	0	2.8	2.0	0			
28					0	0	2.8	2.0	0			
29		-----			0	0	2.7	2.0	0			
30		-----			0	0	2.6	1.9	0			
31		-----		-----	0	-----	2.5	2.0	-----		-----	
TOTAL					0	18.40	35.7	74.2	80.0			
MEAN					0	.61	1.15	2.39	2.67			
MAX					0	2.5	3.7	2.8	3.4			
MIN					0	0	0	1.9	0			
AC-FT					0	36	71	147	159			
YEAR 1994	MEAN	1.36	MAX	3.7	MIN	0	AC-FT	413				

NIOBRARA RIVER BASIN

McGINLEY-STOVER CANAL from Niobrara River - 1994

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

REMARKS.--E indicates estimated daily discharge - no gage height record.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	0	3.8	0	0	0			
2				0	4.5E	0	0	0	0			
3				0	8.0E	0	0	0	0			
4				0	9.3	0	0	0	0			
5				0	9.2	0	0	0	0			
6				0	9.3	0	0	0	0			
7				0	9.4	0	0	0	0			
8				0	9.0	0	0	0	0			
9				0	8.5	0	0	0	0			
10				0	8.1	0	0	0	0			
11				0	8.1	0	0	0	0			
12				0	7.1	0	0	0	0			
13				0	6.1	0	0	0	0			
14				0	6.6	0	0	0	0			
15				0	6.3	0	0	0	0			
16				0	6.1	0	0	0	0			
17				0	6.0	0	0	0	0			
18				0	5.9	0	0	0	0			
19				0	5.9	0	0	0	0			
20				0	5.7	0	0	0	0			
21				0	5.1	0	0	0	0			
22				0	4.7	0	0	0	0			
23				0	5.8	0	0	0	0			
24				0	6.9	0	0	0	0			
25				0	7.8	0	0	0	0			
26				0	7.9	0	0	0	0			
27				0	7.9	0	0	0	0			
28				0	7.5	0	0	0	0			
29		-----		0	6.8	0	0	0	0			
30		-----		0	5.8	0	0	0	0			
31		-----		-----	5.3	-----	0	0	-----		-----	
TOTAL				0	210.6	3.8	0	0	0			
MEAN				0	6.79	.13	0	0	0			
MAX				0	9.4	3.8	0	0	0			
MIN				0	0	0	0	0	0			
AC-FT				0	418	7.5	0	0	0			
YEAR 1994	MEAN	1.17	MAX	9.4	MIN	0	AC-FT	425				

NIOBRARA RIVER BASIN

9

COOK CANAL NO. 1 from Niobrara River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	0	0	0	0		
2					0	0	0	0	0	0		
3					0	0	0	0	0	0		
4					0	0	0	0	0	0		
5					0	0	0	0	0	0		
6					0	0	0	0	0	0		
7					0	0	0	0	0	0		
8					0	0	0	0	0	0		
9					0	0	0	0	0	0		
10					0	0	0	0	0	0		
11					0	0	0	0	0	0		
12					0	0	0	0	0	0		
13					0	0	0	0	0	0		
14					0	0	0	0	0	0		
15					0	0	0	0	0	0		
16					0	0	0	0	0	0		
17					0	0	0	0	0	0		
18					0	0	0	0	0	0		
19					0	0	0	0	0	0		
20					0	0	0	0	0	0		
21					0	0	0	0	0	0		
22					0	0	0	0	0	0		
23					0	0	0	0	0	0		
24					0	0	0	0	0	0		
25					0	0	0	0	0	0		
26					0	0	0	0	0	0		
27					0	0	0	0	0	0		
28					0	0	0	0	0	0		
29		-----			0	0	0	0	0	0		
30		-----			0	0	0	0	0	0		
31		-----		-----	0	-----	0	0	-----	0	-----	
TOTAL					0	0	0	0	0	0		
MEAN					0	0	0	0	0	0		
MAX					0	0	0	0	0	0		
MIN					0	0	0	0	0	0		
AC-FT					0	0	0	0	0	0		
YEAR 1994	MEAN	0	MAX	0	MIN	0	AC-FT	0				

NIOBRARA RIVER BASIN

HARRIS-NEECE CANAL from Niobrara River - 1994

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	11	5.9	6.7	0	7.1		
2					0	11	5.8	6.1	0	7.4		
3					0	11	4.9	6.1	0	4.5		
4					0	11	6.3	6.3	0	0		
5					0	11	7.4	6.3	0	0		
6					0	10	7.6	6.0	0	0		
7					0	9.8	8.4	6.0	0	0		
8					0	9.3	9.3	5.9	4.5	0		
9					0	9.2	8.8	6.1	7.0	0		
10					0	7.5	8.4	6.5	6.6	0		
11					8.7	0	4.5	6.6	6.7	0		
12					8.4	0	0	6.5	6.5	0		
13					8.2	0	0	6.8	6.7	0		
14					9.0	5.6	0	6.8	7.1	0		
15					10	5.3	0	6.5	6.7	0		
16					10	0	0	6.3	6.2	0		
17					9.9	2.0	0	6.0	5.9	0		
18					10	7.6	0	5.9	6.4	0		
19					9.9	7.6	0	6.1	6.7	0		
20					9.8	8.5	0	6.5	6.8	0		
21					10	9.3	0	6.7	7.4	0		
22					10	7.9	0	6.4	8.0	0		
23					9.8	9.9	0	6.1	8.0	0		
24					11	10	0	4.7	7.6	0		
25					11	7.5	0	0	7.4	0		
26					12	7.2	0	0	7.2	0		
27					12	6.3	8.2	0	7.1	0		
28					11	5.6	8.4	0	6.8	0		
29		-----			11	5.4	7.8	0	6.5	0		
30		-----			11	5.7	7.4	0	6.6	0		
31		-----		-----	11	-----	6.9	0	-----	0	-----	
TOTAL					213.7	201.2	116.0	149.9	156.4	19.0		
MEAN					6.89	6.94	3.74	4.84	5.21	.61		
MAX					12	11	9.3	6.8	8.0	7.4		
MIN					0	0	0	0	0	0		
AC-FT					424	399	230	297	310	38		
YEAR 1994	MEAN	4.68	MAX	12	MIN	0	AC-FT	1,700				

NIOBRARA RIVER BASIN

11

LABELLE CANAL from Niobrara River - 1994

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

REMARKS.--E indicates estimated daily discharge - no gage height record.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	4.0 E	0	.74	.56	1.1			
2				0	3.6 E	0	.77	.52	1.0			
3				0	3.5 E	0	.81	.51	.95			
4				0	3.4	0	1.1	.54	.91			
5				0	3.3	0	.93	.50	.86			
6				0	3.4	0	.80	.50	.96			
7				0	3.3	0	.87	.51	.97			
8				0	3.0	0	.97	.47	.91			
9				0	2.7	0	.88	.44	.35			
10				0	2.5	0	.69	.45	.45			
11				0	2.2	0	.63	.43	.33			
12				0	2.0	0	1.5	.42	.48			
13				0	1.9	.39	1.9	.43	.18			
14				0	1.8	1.2	2.2 E	.48	0			
15				4.0E	1.9	.53	2.4 E	.47	0			
16				5.0E	2.0	.84	2.4 E	.46	0			
17				5.0E	1.8	1.3	2.6 E	.42	0			
18				5.5E	1.5	.80	2.8 E	.44	0			
19				6.0E	1.3	.42	2.8	.45	0			
20				6.4	1.1	.93	2.8	.45	0			
21				6.0	1.1	1.1	2.7	.47	0			
22				5.5	1.1	1.4	2.7	.49	0			
23				5.1	.62	1.7	2.6	.74	0			
24				4.9	.09	.91	2.7	.78	0			
25				4.8	.02	.94	2.8	1.1	0			
26				6.5	0	.74	3.0	1.4	0			
27				7.7	0	.72	2.6	1.3	0			
28				6.5E	0	.70	.89	1.2	0			
29		-----		4.8E	0	.74	.57	1.1	0			
30		-----		4.4E	0	.74	.45	1.1	0			
31		-----		-----	0	-----	.42	1.1	-----		-----	
TOTAL				88.1	53.13	16.10	52.02	20.23	9.45			
MEAN				2.94	1.71	.54	1.68	.65	.32			
MAX				7.7	4.0	1.7	3.0	1.4	1.1			
MIN				0	0	0	.42	.42	0			
AC-FT				175	105	32	103	40	19			
YEAR 1994	MEAN	1.31	MAX	7.7	MIN	0	AC-FT	474				

NIOBRARA RIVER BASIN

METTLEN CANAL from Niobrara River - 1994

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

REMARKS---E indicates estimated daily discharge - no gage height record.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	2.5	0	1.9	.96			
2					0	2.4	0	.79	4.1			
3					0	2.6	0	0	4.2			
4					0	2.7	0	0	4.3			
5					0	2.9	0	0	4.0			
6					0	3.0	0	0	4.1			
7					0	2.6	0	0	4.0			
8					0	2.5	.44	0	3.9			
9					0	0	1.3	0	1.8			
10					0	0	1.2	0	.85			
11					0	0	.97	0	0			
12					0	0	2.1	0	0			
13					0	0	4.3	0	0			
14					0	0	5.5	0	0			
15					0	.23	0 E	0	0			
16					0	2.8	0 E	1.1	0			
17					0	3.2	0 E	1.4	0			
18					0	3.2	0 E	.89	0			
19					0	2.3	0	.90	0			
20					0	.37	0	.93	0			
21					0	0	0	.95	0			
22					0	0	2.8	.89	0			
23					0	0	4.8	1.5	0			
24					0	0	4.8	1.7	0			
25					0	0	4.7	1.8	0			
26					0	0	5.0	3.6	0			
27					0	0	5.0	3.6	0			
28					0	0	3.4	3.6	0			
29		-----			0	0	2.4	3.7	0			
30		-----			1.5	0	2.1	3.6	0			
31		-----		-----	2.5	-----	2.2	2.7	-----		-----	
TOTAL					4.0	33.30	53.01	35.55	32.21			
MEAN					.13	1.11	1.71	1.15	1.07			
MAX					2.5	3.2	5.5	3.7	4.3			
MIN					0	0	0	0	0			
AC-FT					7.9	66	105	71	64			
YEAR 1994	MEAN	1.03	MAX	5.5	MIN	0	AC-FT	314				

NIOBRARA RIVER BASIN

13

BENNETT-KAY CANAL from Niobrara River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	0	0	0			
2					0	0	0	0	0			
3					0	0	0	0	0			
4					0	0	0	0	0			
5					0	0	0	0	0			
6					0	0	0	0	0			
7					0	0	0	0	0			
8					0	0	0	0	0			
9					0	0	0	0	0			
10					0	0	0	0	0			
11					5.3	0	0	0	0			
12					3.5	0	0	0	0			
13					1.4	0	0	0	0			
14					4.2	0	0	0	0			
15					3.7	0	0	0	0			
16					3.5	0	0	0	0			
17					3.5	0	0	0	0			
18					1.4	0	0	0	0			
19					0	0	0	0	0			
20					0	0	0	0	0			
21					0	0	0	0	0			
22					0	0	0	0	0			
23					0	0	0	0	0			
24					0	0	0	0	0			
25					0	0	0	0	0			
26					0	0	0	0	0			
27					0	0	0	0	0			
28					0	0	0	0	0			
29		-----			0	0	0	0	0			
30		-----			0	0	0	0	0			
31		-----		-----	0	-----	0	0	-----		-----	
TOTAL					26.5	0	0	0	0			
MEAN					.85	0	0	0	0			
MAX					5.3	0	0	0	0			
MIN					0	0	0	0	0			
AC-FT					53	0	0	0	0			
YEAR 1994	MEAN	.17	MAX	5.3	MIN	0	AC-FT	53				

NIOBRARA RIVER BASIN

MOORE - KAY CANAL from Niobrara River - 1994

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	0	0	0			
2					0	0	0	0	0			
3					0	0	0	0	0			
4					0	0	0	0	0			
5					0	0	0	0	0			
6					0	0	0	0	0			
7					0	0	0	0	0			
8					0	0	0	0	0			
9					0	0	0	0	0			
10					0	0	0	0	0			
11					0	0	0	0	0			
12					0	0	0	0	0			
13					0	0	0	0	0			
14					0	0	0	0	0			
15					0	0	0	0	0			
16					0	0	0	0	0			
17					0	0	0	0	0			
18					0	0	0	0	0			
19					0	0	0	0	0			
20					0	0	0	0	0			
21					0	0	0	0	0			
22					0	0	0	0	0			
23					0	0	0	0	0			
24					0	0	0	0	0			
25					0	0	0	0	0			
26					0	0	0	0	0			
27					0	0	0	0	0			
28					0	0	0	0	0			
29		-----			0	0	0	0	0			
30		-----			0	0	0	0	0			
31		-----		-----	0	-----	0	0	-----		-----	
TOTAL					0	0	0	0	0			
MEAN					0	0	0	0	0			
MAX					0	0	0	0	0			
MIN					0	0	0	0	0			
AC-FT					0	0	0	0	0			
YEAR 1994	MEAN	0	MAX	0	MIN	0	AC-FT	0				

NIOBRARA RIVER BASIN

15

GEO. HITSHEW CANAL from Niobrara river - 1994

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	0	0	0			
2					0	0	0	0	0			
3					0	0	0	0	0			
4					0	0	0	0	0			
5					0	0	0	0	0			
6					0	0	0	0	0			
7					0	0	0	0	0			
8					0	0	0	0	0			
9					0	0	0	0	0			
10					0	0	0	0	0			
11					0	0	0	0	0			
12					0	0	0	0	0			
13					0	0	0	0	0			
14					0	0	0	0	0			
15					0	0	0	0	0			
16					0	0	0	0	0			
17					0	0	0	0	0			
18					0	0	0	0	0			
19					0	0	0	0	0			
20					0	0	0	0	0			
21					0	0	0	0	0			
22					0	0	0	0	0			
23					0	0	0	0	0			
24					0	0	0	0	0			
25					0	0	0	0	0			
26					0	0	0	0	0			
27					0	0	0	0	0			
28					0	0	0	0	0			
29		-----			0	0	0	0	0			
30		-----			0	0	0	0	0			
31		-----		-----	0	-----	0	0	-----		-----	
TOTAL					0	0	0	0	0			
MEAN					0	0	0	0	0			
MAX					0	0	0	0	0			
MIN					0	0	0	0	0			
AC-FT					0	0	0	0	0			
YEAR 1994	MEAN	0	MAX	0	MIN	0	AC-FT	0				

NIOBRARA RIVER BASIN

McLAUGHLIN CANAL from Niobrara River - 1994

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

REMARKS.--E indicates estimated daily discharge - no gage height record.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	5.6	4.4	0	3.5			
2					0	5.5	4.4	0	3.8			
3					0	5.4	4.3	0	4.0			
4					0	5.3	4.6	0	3.8			
5					0	5.5	4.5	0	3.6			
6					0	5.5	4.5	0	3.5			
7					0	5.2	5.0	0	3.2			
8					0	5.4	4.8	0	3.3			
9					0	5.3	3.3	0	3.0			
10					0	5.5	2.20	0	2.9			
11					0	5.5	0	0	2.8			
12					0	5.5	0	0	2.8			
13					0	5.5	0	0	2.9			
14					0	5.8	0	0	2.9			
15					0	5.6	0	0	2.9			
16					0	5.3	0	2.7	2.9			
17					0	5.6	0	3.9	2.2			
18					0	5.5	0	2.9	.58			
19					0	5.6	0	0	.05			
20					0	5.6	0	0	0			
21					0	5.5	0	0	0			
22					0	6.1	0	1.8	0			
23					0	6.2	0	2.7	0			
24					0	5.8	0	2.7	0			
25					0	5.6	0	2.6	0			
26					0	5.5	0	2.7	0			
27					0	4.1	0	2.7	0			
28					0	2.4	0	2.8	0			
29		-----			5.0E	1.7	0	3.0	0			
30		-----			5.4E	1.8	0	2.8	0			
31		-----		-----	5.9	-----	0	2.9	-----		-----	
TOTAL					16.3	154.4	40.00	36.2	54.63			
MEAN					.53	5.15	1.29	1.17	1.82			
MAX					5.9	6.2	5.0	3.9	4.0			
MIN					0	1.7	0	0	0			
AC-FT					32	306	79	72	108			
YEAR 1994	MEAN	1.97	MAX	6.2	MIN	0	AC-FT	598				

NIOBRARA RIVER BASIN

17

EXCELSIOR CANAL from Niobrara River - 1994

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

REMARKS.--E indicates estimated daily discharge - no gage height record.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	.33	.34	1.7	.31			
2					0	.20	0	1.8	.56			
3					0	.25	0	2.0	.74			
4					0	.09	.02	2.0	.66			
5					0	.17	.11	2.0	.57			
6					0	.17	.07	2.0	.53			
7					0	.03	.57	2.0	.55			
8					0	.06E	.86	1.8	.55			
9					0	.09	.76	1.8	.50			
10					0	.07	1.0	1.9	.40			
11					0	.26	.83	2.0	.44			
12					0	.08	.76	1.9 E	.47			
13					0	0	.76	1.8 E	.47			
14					0	.21	.96	1.7 E	.54			
15					0	.18	1.1	1.5 E	.27			
16					0	0	1.3	1.3 E	0			
17					0	.08	1.5	1.1 E	0			
18					0	.48	2.5	.90E	0			
19					0	.32	2.6	.70E	0			
20					0	.55	2.8	.50E	0			
21					0	.77	2.9	.25E	0			
22					0	2.0	2.9	0 E	0			
23					0	1.5	2.7	0 E	0			
24					.74	1.2	2.6	0 E	0			
25					1.5	1.1	2.2	0	0			
26					1.9	1.0	2.2	0	0			
27					.34	.79	2.3	0	0			
28					.33	1.1	2.2	.01	0			
29		-----			.47	.99	2.1	.06	0			
30		-----			.35	1.2	1.9	.09	0			
31		-----		-----	.40	-----	1.8	.13	-----		-----	
TOTAL					6.03	15.27	44.64	32.94	7.56			
MEAN					.19	.51	1.44	1.06	.25			
MAX					1.9	2.0	2.9	2.0	.74			
MIN					0	0	0	0	0			
AC-FT					12	30	89	65	15			
YEAR 1994	MEAN	.70	MAX	2.9	MIN	0	AC-FT	211				

NIOBRARA RIVER BASIN

HUGHES CANAL from Niobrara River - 1994

LOCATION.--SW1/4SW1/4 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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	0	0	0			
2					0	0	0	0	0			
3					.64	0	0	0	0			
4					.64	0	0	0	0			
5					.64	0	0	0	0			
6					.64	0	0	0	0			
7					.64	0	0	0	0			
8					.64	0	0	0	0			
9					.57	0	0	0	0			
10					0	0	0	0	0			
11					0	0	0	0	0			
12					0	0	0	0	0			
13					0	0	0	0	0			
14					0	0	0	0	0			
15					0	0	0	0	0			
16					0	0	0	0	0			
17					0	0	0	0	0			
18					0	0	0	0	0			
19					0	0	0	0	0			
20					0	0	0	0	0			
21					0	0	0	0	0			
22					0	0	0	0	0			
23					0	0	0	0	0			
24					0	0	0	0	0			
25					0	0	0	0	0			
26					0	0	0	0	0			
27					0	0	0	0	0			
28					0	0	0	0	0			
29		-----			0	0	0	0	0			
30		-----			0	0	0	0	0			
31		-----		-----	0	-----	0	0	-----		-----	
TOTAL					4.41	0	0	0	0			
MEAN					.14	0	0	0	0			
MAX					.64	0	0	0	0			
MIN					0	0	0	0	0			
AC-FT					8.7	0	0	0	0			
YEAR 1994	MEAN	.029	MAX	.64	MIN	0	AC-FT	8.7				

NIOBRARA RIVER BASIN

19

PIONEER CANAL from Niobrara River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	1.7	0	0	0			
2					0	1.7	0	0	0			
3					0	1.4	0	0	0			
4					0	0	0	0	0			
5					0	0	0	0	0			
6					0	.64	0	0	0			
7					0	4.9	0	0	0			
8					0	5.3	0	0	0			
9					0	5.2	0	0	0			
10					0	4.8	0	0	0			
11					0	4.2	0	0	0			
12					1.1	3.8	0	0	0			
13					4.5	3.5	0	0	0			
14					4.7	3.2	0	0	0			
15					4.7	3.1	0	0	0			
16					4.6	3.1	0	0	0			
17					4.5	3.2	0	0	0			
18					4.4	3.4	0	0	0			
19					4.4	3.7	0	0	0			
20					4.4	3.9	0	0	0			
21					4.3	4.5	0	0	0			
22					4.2	4.7	0	0	0			
23					4.3	4.7	0	0	0			
24					4.3	4.7	0	0	0			
25					3.8	4.3	0	0	0			
26					3.3	4.2	0	0	0			
27					2.8	4.1	0	0	0			
28					2.3	2.8	0	0	0			
29		-----			2.0	0	0	0	0			
30		-----			1.9	0	0	0	0			
31		-----		-----	1.7	-----	0	0	-----		-----	
TOTAL					72.2	94.74	0	0	0			
MEAN					2.33	3.16	0	0	0			
MAX					4.7	5.3	0	0	0			
MIN					0	0	0	0	0			
AC-FT					143	188	0	0	0			
YEAR 1994	MEAN	1.09	MAX	5.3	MIN	0	AC-FT	331				

NIOBRARA RIVER BASIN

NIOBRARA RIVER above Box Butte Reservoir - 1994

LOCATION.--NE1/4 Sec. 27-29-50 W., Dawes County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--Oct. 1946 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994.
E indicates estimated daily discharge.

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 65 cubic feet per second on March 7 at gage height 3.78 feet.
Minimum daily discharge 6.9 cubic feet per second on August 29.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.8	25	22	29	38	13	11	9.9	7.9	9.8	25	23
2	11	23	22	29	38	14	10	12	8.5	11	23	24
3	11	22	23	39	37	14	9.5	14	8.0	11	22	25
4	11	24	24	39	35	19	9.1	13	9.3	11	24	27
5	13	25	25	39	35	16	9.3	12	9.0	13	25	22
6	18	25	27	39	35	14	9.5	12	8.9	18	25	22
7	17	25	22	39	35	7.8	11	13	8.8	17	25	20E
8	19	24	22	39	33	8.6	11	12	8.5	19	24	22E
9	21	25	20	38	30	8.0	9.8	13	8.3	21	25	23E
10	20	26	22	38	30	9.3	9.9	13	8.4	20	26	24E
11	20	27	23	38	27	10	11	13	8.9	20	27	25E
12	20	28	24	38	22	9.7	10	13	9.7	20	28	25E
13	19	30	25	38	18	9.0	11	13	9.7	19	30	26E
14	19	28	25	37	23	8.4	13	13	9.7	19	28	27E
15	18	26	26	37	22	8.2	12	12	10	18	26	27E
16	19	25	27	36	21	9.1	12	12	9.8	19	25	28E
17	22	26	27	36	20	9.2	14	12	9.9	22	26	28
18	24	22	28	36	20	9.4	14	10	9.9	24	22	26
19	24	22	28	35	20	9.9	14	9.2	11	24	22	27
20	23	22	26	34	18	12	13	8.9	11	23	22	26
21	21	23	27	34	20	12	14	9.6	11	21	23	25
22	21	23	26	32	18	14	13	9.1	11	21	23	25
23	21	21	25	31	20	12	14	9.0	10	21	21	25
24	21	21	25	31	20	12	14	8.7	9.8	21	21	26
25	22	20	25	31	21	9.3	13	8.8	9.7	22	20	26
26	22	21	26	34	18	8.7	12	8.5	9.7	22	21	27
27	22	23	26	33	18	7.9	11	8.1	9.4	22	23	28
28	23	23	27	33	15	11	11	7.7	10	23	23E	28
29	24	-----	28	35	14	12	11	6.9	9.8	24	22E	28
30	23	-----	28	35	15	11	10	6.9	8.8	23	22	29
31	24	-----	28	-----	14	-----	9.6	7.1	-----	24	-----	29E
TOTAL	602.8	675	779	1,062	750	328.5	356.7	330.4	284.4	602.8	719	793
MEAN	19.4	24.1	25.1	35.4	24.2	11.0	11.5	10.7	9.48	19.4	24.0	25.6
MAX	24	30	28	39	38	19	14	14	11	24	30	29
MIN	9.8	20	20	29	14	7.8	9.1	6.9	7.9	9.8	20	20
AC-FT	1,200	1,340	1,550	2,110	1,490	652	708	655	564	1,200	1,430	1,570
YEAR 1994	TOTAL	7,283.6	MEAN	20.0	MAX	39	MIN	6.9	AC-FT	14,450		

NIOBRARA RIVER BASIN

21

BOX BUTTE RESERVOIR from Niobrara River - 1994

LOCATION.--SW1/4NE1/4 Sec. 28-29-49 W. near Dunlap

GAGE.--Reference point

PERIOD OF RECORD.--1946 - present

DAILY CONTENTS IN ACRE-FEET FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1									5,450			
2												
3												
4								9,010				
5					20,610							
6												
7							14,690				8,130	
8									5,660			9,710
9						20,790						
10												
11												
12					20,820							
13												
14												
15		15,760										
16						20,550						
17												
18								6,800				
19												
20						20,810						
21							11,700				8,910	
22									5,970			
23						19,840						
24					20,960							
25	14,870		18,520					5,330		7,390		
26												10,620
27												
28							10,400					
29		-----										
30		-----				16,700						
31		-----		-----	20,880	-----			-----		-----	

NIOBRARA RIVER BASIN

NIOBRARA RIVER below Box Butte Reservoir - 1994

LOCATION.--SE1/4 Sec. 28-29-49 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--Oct. 1946 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991.
E indicates estimated daily discharge.

EXTREMES FOR CURRENT YEAR.--Peak discharge 174 cubic feet per second June 28, gage height 4.28 feet.
Minimum daily discharge 0.80 cubic feet per second September 24 & 25.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.0	1.1	.98	1.1	1.1	1.0	153	104 E	.93	.89	.86	.93
2	1.0	1.1	.98	1.1	1.1	1.0	146	104 E	.93E	.91	.83	.93
3	1.0	1.1	.98	1.1	1.1	1.0	148	106 E	.92E	.87	.84	.93
4	1.0	1.1	.98	1.1	1.1	1.0	141	108 E	.89E	.86	.84	.95
5	1.0	1.1	.99	1.1	1.1	1.0	143	99	.87E	.93	.84	.94
6	1.0	1.1	1.1	1.1	1.1	1.1	145	99	.85E	1.1	.81	.93
7	1.0	1.1	1.1	1.1	1.1	1.0	129	93	.83E	1.0	.81	.91
8	1.1	1.0	1.1	1.1	1.1	1.0	116	87	.82E	.94	.83	.94
9	1.1	.99	1.0	1.1	1.1	1.0	124	89	.81	.92	.90	.96
10	1.1	.98	1.1	1.1	1.0	1.0	128	93	.81	.92	.90	.95
11	1.1	.98	1.1	1.1	.98	1.0	132	97	.83	.90	.90	.95
12	1.1	.98	1.1	1.1	.98	1.0	136	93	.84	.91	.91	.96
13	1.1	.98	1.1	1.1	1.1	1.0	131	80	.84	.91	.93	.94
14	1.1	.98	1.1	1.1	1.1	1.0	128	84	.85	.91	.91	.94
15	1.1	.99	1.0	1.1	1.0	1.0	121	89	.83	1.1	.90	.97
16	1.0	.98	1.0	1.1	1.0	1.0	118	90	.83	.94	.92	.99
17	1.0	.97	1.0	1.1	.98	1.1	125	92	.82	1.0	.92	1.0
18	1.0	.95	1.1	1.1	.98	1.0	121	98	.82	1.0	.90	.95
19	1.0	.95	1.1	1.1	.98	1.0	122	107	.88	.96	.91	.93
20	1.0	.95	1.1	1.1	.99	2.1	120	112	.84	.97	.93	.90
21	1.0	.95	1.1	1.1	1.0	93	117	108	.84	.95	.94	.90
22	1.0	.96	1.1	1.1	1.0	95	112	111	.85	.94	.93	.90
23	1.0	.95	1.1	1.1	1.0	96	114	122	.85	.93	.93	.89
24	1.0	.95	1.1	1.1	1.1	110	112	110	.80	.93	.93	.90
25	1.1	.95	1.1	1.2	1.1	131	114	95	.80	.93	.93	.90
26	1.1	.95	1.1	1.2	1.1	134	105	95	.84	.93	.93	.88
27	1.1	.96	1.1	1.1	1.1	153	100	20	.83	.90	.93	.84
28	1.1	.98	1.1	1.1	1.1	172	104	.93	.84	.90	.92	.84
29	1.1	-----	1.1	1.1	1.0	164	100	.89	.84	.90	.93	.86
30	1.1	-----	1.1	1.1	1.0	157	97	.86	.84	.88	.93	.87
31	1.1	-----	1.1	-----	1.0	-----	104	.90	-----	.87	-----	.87
TOTAL	32.5	28.03	33.11	33.2	32.49	1,326.3	3,806	2,588.58	25.37	29.00	26.89	28.55
MEAN	1.05	1.00	1.07	1.11	1.05	44.2	123	83.5	.85	.94	.90	.92
MAX	1.1	1.1	1.1	1.2	1.1	172	153	122	.93	1.1	.94	1.0
MIN	1.0	.95	.98	1.1	.98	1.0	97	.86	.80	.86	.81	.84
AC-FT	64	56	66	66	64	2,630	7,550	5,130	50	58	53	57
YEAR 1994	TOTAL	7,990.02	MEAN	21.9	MAX	172	MIN	.80	AC-FT	15,850		

NIOBRARA RIVER BASIN

23

MONTAGUE CANAL from Niobrara River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	0	0	0			
2					0	0	0	0	0			
3					0	0	0	0	0			
4					0	0	0	0	0			
5					0	0	0	0	0			
6					0	0	0	0	0			
7					0	0	0	0	0			
8					0	0	0	0	0			
9					0	0	0	0	0			
10					0	0	0	0	0			
11					0	0	0	0	0			
12					0	0	0	0	0			
13					0	0	0	0	0			
14					0	0	0	0	0			
15					0	0	0	0	0			
16					0	0	0	0	0			
17					0	0	0	0	0			
18					0	0	0	0	0			
19					0	0	0	0	0			
20					0	0	0	0	0			
21					0	0	0	0	0			
22					0	0	0	0	0			
23					0	0	0	0	0			
24					0	0	0	0	0			
25					0	0	0	0	0			
26					0	0	0	0	0			
27					0	0	0	0	0			
28					0	0	0	0	0			
29		-----			0	0	0	0	0			
30		-----			0	0	0	0	0			
31		-----		-----	0	-----	0	0	-----		-----	
TOTAL					0	0	0	0	0			
MEAN					0	0	0	0	0			
MAX					0	0	0	0	0			
MIN					0	0	0	0	0			
AC-FT					0	0	0	0	0			
YEAR 1994	MEAN	0	MAX	0	MIN	0	AC-FT	0				

NIOBRARA RIVER BASIN

LICHTE CANAL from Niobrara River - 1994

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

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

PERIOD OF RECORD.--1956 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	3.0	3.5	0	0			
2					0	3.1	3.6	0	0			
3					0	.62	3.5	0	0			
4					0	0	3.6	0	0			
5					0	0	3.6	0	0			
6					0	0	3.6	0	0			
7					0	0	1.8	0	0			
8					0	0	0	0	0			
9					0	0	0	.82	0			
10					0	0	0	2.5	1.7			
11					0	0	0	0	2.7			
12					0	0	0	0	.59			
13					0	0	0	0	0			
14					.63	0	2.1	0	0			
15					3.9	0	3.4	0	0			
16					4.0	0	3.4	.43	0			
17					4.0	0	3.4	3.5	0			
18					3.8	0	3.3	3.5	0			
19					3.5	0	3.4	3.6	0			
20					3.4	0	3.5	3.5	0			
21					3.3	0	3.5	3.4	0			
22					2.1	0	1.0	3.5	0			
23					0	0	0	3.5	0			
24					0	0	0	2.3	0			
25					0	0	0	0	0			
26					0	0	0	0	0			
27					0	0	0	0	0			
28					1.5	0	0	0	0			
29		-----			3.1	0	0	0	0			
30		-----			2.4	.59	0	0	0			
31		-----		-----	2.8	-----	0	0	-----		-----	
TOTAL					38.43	7.31	50.2	30.55	4.99			
MEAN					1.24	.24	1.62	.99	.17			
MAX					4.0	3.1	3.6	3.6	2.7			
MIN					0	0	0	0	0			
AC-FT					76	14	100	61	9.9			
YEAR 1994	MEAN	.86	MAX	4.0	MIN	0	AC-FT	261				

NIOBRARA RIVER BASIN

25

MIRAGE FLATS CANAL from Niobrara River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	144	103	0			
2					0	0	135	111	0			
3					0	0	136	111	0			
4					0	0	137	110	0			
5					0	0	136	100	0			
6					0	0	142	100	0			
7					0	0	152	96	0			
8					0	0	127	87	0			
9					0	0	127	87	0			
10					0	0	129	91	0			
11					0	0	136	94	0			
12					0	0	144	105	0			
13					0	0	147	88	0			
14					0	0	140	88	0			
15					0	0	133	93	0			
16					0	0	128	93	0			
17					0	0	129	93	0			
18					0	0	121	103	0			
19					0	0	118	114	0			
20					0	0	116	117	0			
21					0	69	114	110	0			
22					0	112	112	103	0			
23					0	109	115	121	0			
24					0	109	115	118	0			
25					0	139	112	104	0			
26					0	136	109	102	0			
27					0	143	91	53	0			
28					0	166	103	0	0			
29		-----			0	163	104	0	0			
30		-----			0	150	89	0	0			
31		-----		-----	0	-----	92	0	-----		-----	
TOTAL					0	1,296	3,833	2,695	0			
MEAN					0	43.2	124	86.9	0			
MAX					0	166	152	121	0			
MIN					0	0	89	0	0			
AC-FT					0	2,570	7,600	5,350	0			
YEAR 1994	MEAN	51.1	MAX	166	MIN	0	AC-FT	15,520				

NIOBRARA RIVER BASIN

POTMESIL CANAL from Niobrara River - 1994

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

REMARKS.--E indicates estimated daily discharge - no gage height record.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	2.8	5.6	5.3	0			
2					0	7.5	5.4	5.8	0			
3					0	7.3	5.3	5.9	0			
4					0	7.6	5.4	2.7	.22			
5					0	7.4	5.2	5.4	3.7			
6					0	7.2	5.2	5.3	6.1			
7					0	7.9	1.5	5.2	6.3			
8					0	8.9	0	4.6	4.7			
9					0	9.0	3.1	4.4	0			
10					0	9.1	4.2	4.7	0			
11					4.0E	9.1	4.7	4.7	2.4			
12					7.8	9.2	5.0	1.7	5.7			
13					7.8	9.6	5.2	0	5.6			
14					2.0	9.8	3.5	2.2	5.8			
15					0	10	0	4.1	5.8			
16					0	8.5	0	4.1	4.4			
17					0	7.2	3.4	2.1	0			
18					4.3	6.0	4.6	0	3.1			
19					5.8	0	4.7	0	4.9			
20					5.9	4.5	4.7	0	0			
21					6.4	4.4	4.7	3.1	0			
22					6.7	0	4.6	4.1	0			
23					1.3	0	5.0	0	0			
24					0	4.1	5.0	0	0			
25					0	3.6	4.9	0	0			
26					1.2	2.3	4.9	0	0			
27					7.9	5.5	4.8	0	0			
28					7.9	5.7	3.0	1.8	0			
29		-----			7.2	5.6	1.8	4.2	0			
30		-----			7.0	5.4	4.5	4.1	0			
31		-----		-----	3.7	-----	4.7	2.3	-----		-----	
TOTAL					86.9	185.2	124.6	87.8	58.72			
MEAN					2.80	6.17	4.02	2.83	1.96			
MAX					7.9	10	5.6	5.9	6.3			
MIN					0	0	0	0	0			
AC-FT					172	367	247	174	116			
YEAR 1994	MEAN	3.55	MAX	10	MIN	0	AC-FT	1,080				

NIOBRARA RIVER BASIN

27

NIOBRARA RIVER near Gordon - 1994

LOCATION.--NE1/4 Sec. 26-31-42 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--Aug. 1928 - Sep. 1932, Oct. 1945 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991.
E indicates estimated daily discharge

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 9,130 cubic feet per second May 21, 1962, gage height 5.25 feet.
Minimum daily discharge 16 cubic feet per second December 20, 1966.

EXTREMES FOR CURRENT YEAR.--Peak discharge 580 cubic feet per second on March 8 at gage height 1.98 feet.
Maximum gage height 2.48 feet on January 18, backwater from ice.
Minimum daily discharge 60 cubic feet per second on February 11.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	86	106E	65	109	132	99	60	62	75	92E	105	88
2	88	108E	87	108	123	99	58	61	83	80E	101	90
3	108	110E	100	107	118	94	61	59	87	94E	100	86
4	108	110E	116	106	113	87	63	58	88	96E	106	79
5	101	108E	87	107	109	86	68	58	82	98E	103	70
6	91	106E	83	109	107	81	79	59	76	96E	106	76
7	75	90E	84	108	109	84	100	58	72	92E	110	83
8	89	80E	77	105	107	89	94	59	71	90E	110	90
9	102	80E	72	101	102	86	78	69	70	92E	120	83
10	97	90E	76	104	100	79	73	76	66	94E	124	71
11	99	100E	83	104	96	78	64	69	71	96E	128	75E
12	94	100E	83	106	96	78	62	126	75	94E	127	80E
13	77	100E	91	104	93	77	61	95	72	92E	115	90E
14	78	100E	108	101	97	73	61	101	78	90E	100	102
15	81	100E	134	104	89	65	67	78	71	94E	96	104E
16	82E	159E	124	104	86	68	77	63	71	96E	99	105
17	84E	150E	128	103	84	76	81	60	71	98E	101	104
18	90E	114	129	101	82	80	71	59	71	96E	94	103
19	90E	71	134	98	86	77	63	57	72	98E	100	98
20	92E	56	120	97	88	72	56	56	74E	100E	100	93
21	131E	48	113	98	121	79	58	59	80E	104E	100	94
22	128E	47	109	98	107	103	57	59	86E	100E	96	92
23	126E	50	103	96	89	122	57	54	88E	96E	91	88
24	124E	49	100	98	87	89	57	57	90E	95	93	86
25	120E	70E	99	90	96	71	63	58	92E	94	94	85
26	118E	90E	96	105	96	62	62	60	90E	97	93	82
27	118E	97	98	113	93	61	58	60	88E	101	87	79
28	116E	62	102	129	89	62	58	60	90E	105	76	79
29	114E	-----	104	127	83	61	58	62	92E	102	80	78
30	114E	-----	109	126	77	61	61	59	94E	100	88	83
31	110E	-----	109	-----	73	-----	58	72	-----	101	-----	71
TOTAL	3,131	2,551	3,123	3,166	3,028	2,399	2,044	2,043	2,386	2,973	3,043	2,687
MEAN	101	91.1	101	106	97.7	80.0	65.9	65.9	79.5	95.9	101	86.7
MAX	131	159	134	129	132	122	100	126	94	105	128	105
MIN	75	47	65	90	73	61	56	54	66	80	76	70
AC-FT	6,210	5,060	6,190	6,280	6,010	4,760	4,050	4,050	4,730	5,900	6,040	5,330
YEAR 1994	TOTAL	32,574	MEAN	89.2	MAX	159	MIN	47	AC-FT	64,610		

NIOBRARA RIVER BASIN

SNAKE RIVER at Doughboy - 1994

LOCATION.--NE1/4NW1/4 Sec. 2-30-34 W., Cherry County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1981 - present

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1993.
E indicates estimated daily discharge.EXTREMES FOR CURRENT YEAR.--Peak discharge 251 cubic feet per second June 8, gage height 3.11 ft.
Minimum daily discharge 120 cubic feet per second February 8.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	163	142E	164	162	160	157	151	146	178	153	144	157
2	163	145E	168	161	162	165	140	158	172	161	147	161
3	162	144E	175	159	162	157	140	161	166	153	147	159
4	163	146E	184	160	160	151	140	155	162	153	150	159
5	164	148E	182	158	157	150	140	154	158	155	152	155
6	150E	148E	180	159	155	158	144	155	160	181	153	148E
7	140E	145E	177	161	156	191	177	154	158	171	157	140E
8	146E	130E	170	162	156	214	160	153	153	167	153	142E
9	150E	120E	170	155	154	197	153	156	152	160	158	144E
10	158E	128E	169	155	154	180	147	154	151	159	159	142E
11	160	141E	171	155	153	171	143	155	152	153	164	144
12	163	153	172	157	152	168	144	157	152	151	169	145
13	163	151	172	157	153	166	176	157	154	148	168	149
14	162	160	172	156	168	155	158	156	156	146	162	151
15	161	163	170	150	164	149	154	156	152	151	161	149
16	160	163	170	154	158	148	159	156	150	159	159	149
17	140E	167	169	159	154	150	162	155	151	160	159	148
18	128E	171	169	158	151	151	159	152	152	160	155	150
19	130E	176	169	155	151	150	151	153	154	151	156	148
20	133E	175	168	155	147	148	147	153	154	151	156	146
21	165	169	167	156	164	151	146	153	152	150	155	149
22	166	148E	167	155	169	155	147	153	157	146	153	150
23	167	140E	163	157	171	153	147	152	152	144	151	151
24	166	134E	158	158	156	148	147	152	150	145	152	152
25	166	129E	159	158	154	145	151	154	152	144	156	154
26	162	140E	159	155	152	140	150	154	151	148	159	153
27	161	150E	153	149	149	139	146	153	152	147	164	151
28	152E	164	155	156	147	137	144	150	150	147	157	152
29	144E	-----	159	156	146	138	145	152	152	147	154	151
30	140E	-----	158	158	146	152	145	153	151	145	154	144E
31	139E	-----	161	-----	145	-----	145	163	-----	146	-----	140E
TOTAL	4,787	4,190	5,200	4,706	4,826	4,734	4,658	4,785	4,656	4,752	4,684	4,633
MEAN	154	150	168	157	156	158	150	154	155	153	156	149
MAX	167	176	184	162	171	214	177	163	178	181	169	161
MIN	128	120	153	149	145	137	140	146	150	144	144	140
AC-FT	9,500	8,310	10,310	9,330	9,570	9,390	9,240	9,490	9,240	9,430	9,290	9,190
YEAR 1994	TOTAL	56,611	MEAN	155	MAX	214	MIN	120	AC-FT	112,300		

NIOBRARA RIVER BASIN

29

MERRITT RESERVOIR from Snake River - 1994

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

GAGE.--Reference point

PERIOD OF RECORD.--1965 - present

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	68,830	69,110	68,831	69,389	74,199	75,370	72,766	56,487	42,748	53,678	66,388	68,831
2	68,830	69,110	68,831	69,389	74,199	75,075	71,907	55,540	43,117	54,143	66,660	68,831
3	68,830	69,110	68,831	69,389	74,199	75,075	70,341	54,842	43,301	54,609	66,931	68,831
4	68,830	69,110	69,110	69,389	74,199	75,075	70,783	54,143	43,684	55,074	67,474	68,831
5	68,830	68,831	69,110	69,668	74,199	75,075	69,947	53,230	44,067	55,540	67,745	68,831
6	68,830	68,831	69,110	69,947	74,199	75,075	69,668	52,782	44,451	56,005	68,017	68,831
7	68,830	68,831	69,389	70,226	74,199	75,370	69,947	52,109	45,025	56,487	68,288	68,560
8	68,830	68,831	69,668	70,226	74,486	75,665	69,947	51,661	45,217	56,970	68,560	68,560
9	68,560	68,831	69,668	70,504	74,486	75,665	70,504	51,221	45,416	57,452	68,560	68,831
10	68,560	68,560	69,668	70,504	74,486	75,370	70,783	51,006	45,615	57,935	68,831	68,831
11	68,560	68,560	69,668	70,783	74,486	75,370	70,783	51,221	45,815	58,417	68,831	68,831
12	68,560	68,831	69,668	71,062	74,486	75,370	70,504	51,437	46,014	58,915	68,831	68,831
13	68,560	68,831	69,389	71,341	74,486	75,370	70,504	51,885	46,412	59,414	68,831	68,831
14	68,560	68,831	69,389	71,341	74,486	75,665	69,947	52,109	46,611	59,912	68,831	68,831
15	68,290	68,831	69,389	71,341	74,486	74,781	69,389	51,885	46,811	60,161	68,831	68,831
16	68,290	68,831	69,668	71,341	74,486	74,781	69,389	51,885	46,811	60,660	68,831	68,831
17	68,290	68,831	69,668	71,341	74,486	74,486	68,288	51,437	47,416	60,909	68,831	69,110
18	68,290	68,831	69,668	71,062	74,199	74,486	68,017	50,790	47,831	61,422	68,831	69,110
19	68,020	68,831	69,668	71,062	74,486	74,486	67,203	49,928	48,245	61,936	68,831	69,110
20	68,020	68,831	69,668	71,062	74,199	74,486	66,388	49,074	48,659	62,193	68,831	69,110
21	68,020	68,831	69,668	71,062	74,199	74,486	65,325	48,245	49,074	62,449	68,831	69,110
22	68,560	68,831	69,668	71,062	74,199	74,486	64,532	47,623	49,281	62,963	68,831	69,110
23	68,560	68,831	69,389	71,620	74,486	74,486	63,476	46,811	49,712	63,219	68,831	69,110
24	68,830	68,831	69,389	71,907	74,781	74,486	62,706	46,014	50,359	63,740	68,831	69,110
25	68,830	68,831	69,389	72,193	74,781	74,486	61,936	45,217	50,790	64,004	68,831	69,110
26	69,110	68,831	69,389	72,766	74,781	74,486	61,166	44,451	51,221	64,268	68,831	69,110
27	69,110	68,831	69,110	73,053	74,781	74,486	62,706	43,876	51,661	64,797	68,831	68,831
28	68,830	68,831	69,110	73,626	74,781	74,199	59,414	43,301	52,109	65,061	68,831	68,831
29	68,830	-----	69,110	74,199	74,781	73,913	58,666	42,748	52,558	65,325	68,831	68,831
30	68,830	-----	69,110	74,199	75,075	73,340	57,935	42,195	53,230	65,589	68,831	68,831
31	68,830	-----	69,389	-----	75,075	-----	56,970	42,380	-----	66,117	-----	68,831
MAX	69,110	69,110	69,668	74,199	75,075	75,665	72,766	56,487	53,230	66,117	68,831	69,110
MIN	68,020	68,560	68,831	69,389	74,199	73,340	56,970	42,195	42,748	53,678	66,388	68,560
CHANGE	0	1.0	558	4,810	876	-1,735	-16,370	-14,590	10,850	12,887	2,714	0

YEAR 1994	MEAN	65,721	MAX	75,665	MIN	42,195
-----------	------	--------	-----	--------	-----	--------

NIOBRARA RIVER BASIN

SNAKE RIVER near Burge - 1994

LOCATION.--NE1/4 Sec. 20-31-30 W., Cherry County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--June 1947 - present

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1994.

EXTREMES FOR CURRENT YEAR.--Peak discharge 298 cubic feet per second April 29 at gage height 2.08 ft.
Minimum daily discharge 14 cubic feet per second on October 5-12.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	257	272	271	160	282	132	46	56	59	15	60	226
2	257	272	269	161	279	150	46	56	59	15	60	226
3	257	272	269	160	276	150	46	58	59	15	60	226
4	257	272	269	161	247	124	52	57	59	15	60	226
5	258	272	266	161	211	146	57	58	59	14	60	227
6	263	272	266	159	211	144	59	59	59	14	60	229
7	264	272	267	159	214	169	60	59	60	14	90	219
8	264	242	267	164	218	246	59	59	60	14	174	202
9	264	222	267	164	212	271	59	59	60	14	220	202
10	264	222	266	164	218	255	59	62	60	14	221	202
11	264	222	267	164	213	240	58	61	60	14	221	204
12	263	222	264	164	216	228	59	60	60	14	221	205
13	263	222	261	203	217	217	59	60	60	25	221	205
14	264	220	262	269	220	205	58	60	60	56	221	217
15	266	220	261	269	220	189	57	60	60	57	221	226
16	258	251	260	269	181	150	59	59	60	57	221	226
17	219	268	262	269	104	119	58	59	60	57	222	227
18	219	269	260	271	106	124	57	57	60	57	222	229
19	188	270	256	238	106	128	57	57	60	59	222	239
20	163	269	259	219	81	125	56	57	60	59	222	260
21	162	270	257	219	55	124	55	57	60	59	170	259
22	161	272	260	123	64	124	56	57	50	59	229	259
23	161	272	261	16	81	124	57	55	15	59	230	259
24	191	272	260	16	87	126	57	55	15	59	230	257
25	215	272	260	19	83	121	56	55	15	59	230	258
26	246	272	261	18	87	116	56	55	15	59	227	259
27	268	272	261	23	94	80	56	55	15	59	229	260
28	244	272	233	118	93	50	56	56	15	58	228	262
29	219	-----	215	265	94	45	57	57	15	59	228	262
30	220	-----	215	283	95	44	57	57	15	59	226	264
31	222	-----	183	-----	89	-----	57	59	-----	59	-----	264
TOTAL	7,281	7,197	7,955	5,048	4,954	4,466	1,741	1,791	1,424	1,247	5,506	7,286
MEAN	235	257	257	168	160	149	56.2	57.8	47.5	40.2	184	235
MAX	268	272	271	283	282	271	60	62	60	59	230	264
MIN	161	220	183	16	55	44	46	55	15	14	60	202
AC-FT	14,440	14,280	15,780	10,010	9,830	8,860	3,450	3,550	2,820	2,470	10,920	14,450

YEAR 1994 TOTAL 55,896 MEAN 153 MAX 283 MIN 14 AC-FT 110,900

NIOBRARA RIVER BASIN

31

AINSWORTH CANAL from Merritt Reservoir - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	75	481	587	74			
2					0	82	481	600	72			
3					0	85	483	581	72			
4					0	85	496	566	73			
5					0	91	391	524	74			
6					0	96	305	465	74			
7					0	76	102	470	74			
8					0	65	75	460	74			
9					0	65	75	384	74			
10					0	65	140	85	74			
11					0	65	237	93	75			
12					0	65	283	93	70			
13					0	65	437	93	63			
14					0	72	444	150	64			
15					13	85	436	241	64			
16					122	92	386	351	24			
17					102	97	403	473	0			
18					89	81	483	511	0			
19					81	71	558	569	0			
20					81	72	606	510	0			
21					82	73	611	509	0			
22					99	78	604	530	0			
23					97	72	571	587	0			
24					92	89	576	582	0			
25					92	113	596	550	0			
26					92	144	594	513	0			
27					83	197	578	425	0			
28					75	281	563	424	0			
29		-----			75	379	538	427	0			
30		-----			75	458	520	199	0			
31		-----		-----	75	-----	540	82	-----		-----	
TOTAL					1,425	3,434	13,593	12,634	1,095			
MEAN					46.0	114	438	408	36.5			
MAX					122	458	611	600	75			
MIN					0	65	75	82	0			
AC-FT					2,830	6,810	26,960	25,060	2,170			
YEAR 1994	MAX	611	MIN	0	AC-FT	63,830						

NIOBRARA RIVER BASIN

MINNECHADUZA CREEK at Valentine - 1994

LOCATION.--SW1/4 Sec. 30-34-27 W., Cherry County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1947 - present

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

E indicates estimated daily discharge.

Operation of gaging station discontinued May 8, 1995.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 1,100 cubic feet per second March 22, 1960, gage height 8.0 feet.

Minimum daily discharge 2.3 cubic feet per second July 13, 14, 1985.

EXTREMES FOR CURRENT YEAR.--Peak discharge 180 cubic feet per second March 4, gage height 2.90 feet.

Minimum daily discharge 18 cubic feet per second January 7, May 31, July 31 and August 2-4.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	42	30	42	42	64	23	20	19	34	22	29	33
2	41	29	51	41	63	26	20	18	32	24	29	33
3	39	27	90	40	57	25	22	18	31	27	28	33
4	40	26	163	40	53	24	21	18	31	27	29	33
5	41	28	158	40	48	28	20	19	29	28	29	23E
6	31	29	154	41	45	32	19	19	28	32	28	22E
7	18	29	150	40	44	50	33	20	27	31	30	19E
8	22	29	143	40	43	82	37	22	25	30	30	21E
9	36	28	125	41	40	105	36	22	25	29	30	23E
10	35	29	117	42	37	121	32	22	22	39	30	24E
11	32	30	98	41	34	113	29	22	21	31	30	24E
12	32	31	88	43	33	99	30	22	21	26	30	25E
13	33	30	84	41	31	75	43	20	21	25	30	25E
14	32	29	84	38	34	60	39	20	22	26	30	27E
15	28	34	82	37	38	39	43	19	21	26	30	26E
16	27E	38	82	35	41	40	37	18	22	27	30	26E
17	25E	45	80	35	38	40	35	18	23	22	30	28E
18	22E	80	74	30	33	42	32	19	23	26	29	28E
19	24E	94	68	31	29	40	31	20	22	33	29	33
20	25E	75	62	31	27	38	30	27	21	33	31	34
21	26	55E	58	31	26	35	29	34	21	33	42	34
22	27	41	55	30	25	34	27	27	23	33	36	34
23	28	39	52	30	28	36	25	22	23	34	28	35
24	30	36E	49	30	31	34	24	21	23	32	30	36
25	32	33E	47	33	30	30	23	22	22	30	30	39
26	31	29	46	47	27	27	23	23	22	31	31	40
27	27	41	45	51	24	24	22	22	22	31	32	43
28	21	42	44	58	22	22	21	20	22	31	24E	43
29	26	-----	43	57	22	21	20	22	22	29	28E	43
30	30	-----	43	60	21	20	19	40	22	29	33	42E
31	30	-----	43	-----	18	-----	18	30	-----	29	-----	40E
TOTAL	933	1,086	2,520	1,196	1,106	1,385	860	685	723	906	905	969
MEAN	30.1	38.8	81.3	39.9	35.7	46.2	27.7	22.1	24.1	29.2	30.2	31.3
MAX	42	94	163	60	64	121	43	40	34	39	42	43
MIN	18	26	42	30	18	20	18	18	21	22	24	19
AC-FT	1,850	2,150	5,000	2,370	2,190	2,750	1,710	1,360	1,430	1,800	1,800	1,920
YEAR 1994	TOTAL	13,274	MEAN	36.4	MAX	163	MIN	18	AC-FT	26,330		

NIOBRARA RIVER BASIN

33

KEYA PAHA RIVER near Naper - 1994

LOCATION.--SE1/4SE1/4 Sec. 17-34-15 W., Boyd County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1957 - present

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1994.

E indicates estimated daily discharge.

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, backwater from ice jam.

No flow July 22-30, August 10, 11, 1976, August 3, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharge 5,980 cubic feet per second March 4, gage height 9.64 feet.

Maximum gage height 12.78 feet March 5, backwater from ice jam.

Minimum daily discharge 42 cubic feet per second estimated February 9.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	118E	70E	200E	189	400	65	98	53	81	62	77	86E
2	108E	70E	250E	183	388	67	121	52	101	68	80	100E
3	96E	68E	400E	175	359	68	111	54	109	77	80	90E
4	100E	68E	900E	173	326	67	120	56	353	76	81	70E
5	90E	70E	3,000E	182	312	75	307	48	399	81	80	58E
6	82E	72E	2,590	180	302	71	136	51	330	89	78	60E
7	70E	58E	1,160	175	285	139	217	54	204	87	78	58E
8	72E	49E	649	180	261	213	172	55	152	84	75	60E
9	76E	42E	444	178	224	235	131	64	127	81	72	64E
10	78E	47E	330	177	205	254	112	412	112	79	72	62E
11	76E	56E	277	169	198	209	99	610	97	78	72	62E
12	76E	64E	254	165	185	174	87	324	80	75	71	63E
13	74E	62E	240	158	226	154	90	183	69	75	74	60E
14	60E	69E	260	160	1,440	137	86	137	66	74	77	62E
15	56E	72E	232	168	432	120	105	113	64	78	78	64E
16	56E	74E	204	167	282	105	149	102	60	88	81	66E
17	50E	80E	206	165	220	99	120	91	58	105	82	64E
18	45E	120E	189	161	171	107	98	80	57	124	80	66E
19	47E	150E	246	147	144	167	85	72	56	121	79	68E
20	49E	300E	273	143	115	190	78	63	53	113	85	66E
21	50E	700E	250	135	104	215	71	60	50	111	94	64E
22	60E	600E	237	134	101	248	66	58	54	102	90	66E
23	76E	500E	234	134	108	265	64	52	57	93	87	68E
24	86E	400E	205	132	119	229	67	50	59	92	84E	72E
25	78E	350E	186	130	111	248	66	69	61	88	82E	76E
26	74E	310E	166	219	111	217	61	79	60	85	80E	78E
27	72E	270E	156	276	102	182	55	77	60	86	74E	76E
28	72E	230E	160	297	87	141	53	68	59	85	76E	78E
29	70E	-----	164	295	82	117	52	61	60	81	78E	76E
30	66E	-----	154	366	74	105	50	56	60	79	80E	74E
31	68E	-----	175	-----	67	-----	48	59	-----	78	-----	70E
TOTAL	2,251	5,021	14,391	5,513	7,541	4,683	3,175	3,363	3,208	2,695	2,377	2,147
MEAN	72.6	179	464	184	243	156	102	108	107	86.9	79.2	69.3
MAX	118	700	3,000	366	1,440	265	307	610	399	124	94	100
MIN	45	42	154	130	67	65	48	48	50	62	71	58
AC-FT	4,460	9,960	28,540	10,940	14,960	9,290	6,300	6,670	6,360	5,350	4,710	4,260
YEAR 1994	TOTAL	56,365	MEAN	154	MAX	3,000	MIN	42	AC-FT	111,800		

MISSOURI RIVER BASIN (NIOBRARA TO PLATTE)

BOW CREEK near St. James - 1994

LOCATION.--SE1/4SW1/4 Section 24-32-2 E., Cedar County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1978 - present

REMARKS.--Published by U. S. Geological Survey up to October 1, 1993.
E indicates estimated daily discharge.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 21,400 cubic feet per second June 21, 1984, gage height 13.23 feet.
Minimum daily discharge 6.1 cubic feet per second August 18, 1989.

EXTREMES FOR CURRENT YEAR.--Peak discharge estimated 8170 cubic feet per second February 19, gage height 9.5 feet.
Maximum gage height 10.39 feet February 18 due to backwater from ice jam.
Minimum daily discharge 10 cubic feet per second estimated December 6.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	31E	48E	25E	63	126	63	139	63	66	48	52	20E
2	33E	49E	31	82	126	69	130	61	66	46	54	15E
3	35E	52E	902	91	112	67	130	69	60	60	55	13E
4	40E	50E	1,610	88	110	64	130	68	141	55	55	12E
5	45E	47E	343	82	115	108	116	52	187	51	58	11E
6	44E	44E	251	71	106	93	112	42	98	52	58	10E
7	42E	42E	158	62	96	72	117	42	81	55	53	11E
8	40E	40E	123	53	103	56	107	46	72	53	46	12E
9	35E	35E	116	48	102	56	92	58	66	47	46	13E
10	35E	37E	119	53	102	59	73	68	59	44	47	14E
11	37E	44E	111	55	103	62	71	67	59	44	47	15E
12	35E	50E	107	97	90	70	58	71	72	44	47	16E
13	30E	55E	96	130	78	109	256	65	86	44	53	17E
14	32E	60E	107	150	82	96	285	63	76	44	55	19E
15	33E	70E	106	150	89	96	179	59	64	44	58	20E
16	35E	80E	98	141	88	79	337	59	55	50	56	25E
17	39E	100E	93	123	83	85	221	62	53	59	51	23E
18	43E	743E	85	118	75	1,390	112	67	52	69	47	24E
19	47E	3,180	94	107	69	475	101	66	53	85	44	25E
20	80E	303	87	107	60	222	78	59	51	71	46	30E
21	75E	130	85	107	47	160	54	54	55	67	61	35E
22	60E	80	89	103	56	469	58	45	72	62	50	40E
23	50E	26	97	104	70	2,450	51	41	86	59	45E	45E
24	43E	17	87	96	58	593	40	36	85	59	44E	50E
25	40E	20E	76	92	45	334	36	49	81	59	48E	60E
26	38E	20E	77	97	52	241	41	83	69	59	45E	50E
27	37E	20E	83	98	44	185	49	78	61	59	40E	47E
28	35E	20E	88	110	51	154	49	61	51	61	35E	45E
29	33E	-----	84	121	68	147	60	57	55	63	30E	46E
30	40E	-----	75	135	67	138	60	55	54	63	25E	35E
31	45E	-----	71	-----	60	-----	61	60	-----	58	-----	30E
TOTAL	1,287	5,462	5,574	2,934	2,533	8,262	3,403	1,826	2,186	1,734	1,451	828
MEAN	41.5	195	180	97.8	81.7	275	110	58.9	72.9	55.9	48.4	26.7
MAX	80	3,180	1,610	150	126	2,450	337	83	187	85	61	60
MIN	30	17	25	48	44	56	36	36	51	44	25	10
AC-FT	2,550	10,830	11,060	5,820	5,020	16,390	6,750	3,620	4,340	3,440	2,880	1,640
YEAR 1994	TOTAL	37,480	MEAN	103	MAX	3,180	MIN	10	AC-FT	74,340		

NORTH PLATTE RIVER BASIN

35

FORT LARAMIE CANAL from North Platte River - 1994

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

GAGE.--Continuous stage recorder and parshall flume

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

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	1,030	1,500	1,450	1,330			
2					0	1,020	1,510	1,450	1,260			
3					0	983	1,510	1,450	1,250			
4					0	928	1,510	1,450	1,240			
5					0	900	1,510	1,450	1,180			
6					0	894	1,510	1,470	1,140			
7					0	854	1,510	1,500	1,100			
8					0	854	1,510	1,500	1,110			
9					543	849	1,510	1,460	1,070			
10					670	851	1,510	1,470	1,080			
11					712	851	1,510	1,480	1,100			
12					772	851	1,510	1,480	1,100			
13					849	965	1,510	1,480	1,100			
14					809	1,050	1,510	1,470	1,100			
15					811	1,080	1,410	1,480	989			
16					833	1,120	1,360	1,480	846			
17					941	1,190	1,310	1,480	712			
18					1,040	1,270	1,300	1,480	700			
19					1,150	1,320	1,300	1,480	698			
20					1,190	1,350	1,300	1,480	520			
21					1,170	1,330	1,300	1,480	46			
22					1,200	1,210	1,310	1,480	0			
23					1,190	1,180	1,310	1,470	0			
24					1,130	1,190	1,320	1,450	0			
25					1,130	1,190	1,360	1,460	0			
26					1,130	1,230	1,360	1,460	0			
27					1,120	1,270	1,400	1,460	0			
28					1,100	1,400	1,410	1,460	0			
29		-----			1,100	1,490	1,410	1,450	0			
30		-----			1,050	1,500	1,420	1,390	0			
31		-----		-----	1,030	-----	1,450	1,350	-----		-----	
TOTAL					22,670	33,200	44,160	45,350	20,671			
MEAN					731	1,107	1,425	1,463	689			
MAX					1,200	1,500	1,510	1,500	1,330			
MIN					0	849	1,300	1,350	0			
AC-FT					44,970	65,850	87,590	89,950	41,000			
YEAR 1994	MEAN	1,085	MAX	1,510	MIN	0	AC-FT	329,400				

NORTH PLATTE RIVER BASIN

FORT LARAMIE CANAL from North Platte River @ Mile Post 85.3 - 1994

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

GAGE.--Continuous stage recorder and Parshall flume

PERIOD OF RECORD.--1981 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	392	566	568	568			
2					0	355	592	572	553			
3					0	353	599	592	544			
4					0	364	581	581	533			
5					0	323	599	583	521			
6					0	312	596	588	512			
7					0	305	612	588	473			
8					0	302	614	588	459			
9					0	295	612	592	455			
10					0	302	610	599	455			
11					0	307	612	590	441			
12					198	307	610	596	429			
13					302	302	605	588	425			
14					319	323	617	585	421			
15					293	383	623	583	423			
16					302	412	617	583	396			
17					339	404	599	583	302			
18					346	404	540	590	201			
19					389	433	514	596	152			
20					449	485	536	594	112			
21					453	517	529	596	91			
22					459	517	531	588	93			
23					471	487	542	583	87			
24					459	461	555	583	52			
25					431	431	568	572	44			
26					417	435	572	585	28			
27					419	431	581	588	13			
28					419	431	581	590	0			
29		-----			419	439	579	590	0			
30		-----			417	504	574	577	0			
31		-----		-----	402	-----	581	574	-----		-----	
TOTAL					7,703	11,716	18,047	18,165	8,783			
MEAN					248	391	582	586	293			
MAX					471	517	623	599	568			
MIN					0	295	514	568	0			
AC-FT					15,280	23,240	35,800	36,030	17,420			
YEAR 1994	MEAN	421	MAX	623	MIN	0	AC-FT	127,800				

NORTH PLATTE RIVER BASIN

37

INTERSTATE CANAL from North Platte River - 1994

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1915 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	915	0	2,010	1,830	1,750	838		
2				0	933	0	2,050	1,830	1,630	840		
3				0	945	0	2,040	1,830	1,550	822		
4				0	945	0	2,040	1,820	1,540	406		
5				0	915	0	2,030	1,810	1,540	0		
6				0	924	0	2,040	1,810	1,530	0		
7				0	927	0	2,040	1,810	1,470	0		
8				0	980	0	2,030	1,810	1,470	0		
9				0	995	0	1,980	1,820	1,470	0		
10				0	1,070	0	1,990	1,810	1,470	0		
11				0	1,220	0	1,980	1,810	1,470	0		
12				0	1,340	0	1,940	1,810	1,460	0		
13				0	1,450	0	1,930	1,800	1,460	0		
14				0	1,450	116	1,950	1,800	1,450	0		
15				0	1,450	759	1,870	1,800	1,460	0		
16				0	1,450	1,110	1,790	1,800	1,460	0		
17				0	1,450	1,410	1,780	1,790	1,460	0		
18				0	1,450	1,650	1,780	1,800	1,460	0		
19				0	1,500	1,770	1,750	1,790	1,460	0		
20				0	1,500	1,810	1,740	1,780	1,420	0		
21				0	1,500	1,680	1,750	1,780	1,420	0		
22				0	1,490	1,690	1,760	1,780	1,410	0		
23				0	1,490	1,690	1,820	1,780	1,360	0		
24				0	1,440	1,740	1,820	1,780	1,370	0		
25				316	1,390	1,810	1,830	1,790	1,370	0		
26				618	1,350	1,840	1,830	1,780	1,380	0		
27				814	1,300	1,900	1,820	1,790	1,240	0		
28				894	1,300	1,930	1,830	1,790	1,010	0		
29		-----		900	1,300	1,980	1,820	1,800	886	0		
30		-----		906	1,010	1,990	1,820	1,790	881	0		
31		-----		-----	494	-----	1,830	1,790	-----	0	-----	
TOTAL				4,448	37,873	26,875	58,690	55,810	42,307	2,906		
MEAN				148	1,222	896	1,893	1,800	1,410	93.7		
MAX				906	1,500	1,990	2,050	1,830	1,750	840		
MIN				0	494	0	1,740	1,780	881	0		
AC-FT				8,820	75,120	53,310	116,400	110,700	83,920	5,760		
YEAR 1994	MEAN	1,070	MAX	2,050	MIN	0	AC-FT	454,000				

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

LAKE ALICE from North Platte - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1,210	942	731	466	1,360	4,910	5,900	5,300	2,800	2,980	737	583
2	1,210	932	734	461	1,390	5,300	5,520	5,320	2,800	3,530	722	572
3	1,200	917	731	454	1,440	5,520	5,170	5,290	2,850	4,060	731	574
4	1,190	907	725	446	2,040	5,430	4,840	5,220	2,760	4,560	725	586
5	1,180	896	725	437	3,750	5,380	4,500	5,160	2,690	5,130	716	574
6	1,180	886	741	427	4,070	5,300	4,230	5,100	2,690	5,390	712	569
7	1,160	879	728	427	4,230	5,240	3,970	5,050	2,690	4,990	709	587
8	1,160	869	719	411	4,350	5,170	3,740	4,940	2,670	4,240	725	566
9	1,150	852	706	397	4,400	5,100	3,550	4,870	2,640	3,440	709	547
10	1,140	848	694	392	4,200	5,040	3,400	4,760	2,600	2,690	706	536
11	1,130	838	688	381	3,950	4,980	3,300	4,620	2,590	2,010	700	534
12	1,130	825	679	374	3,720	4,930	3,240	4,430	2,580	1,410	709	520
13	1,120	825	679	363	3,630	4,880	3,240	4,270	2,550	845	706	515
14	1,100	808	667	221	3,570	4,820	3,290	4,100	2,530	673	691	510
15	1,100	808	658	217	3,570	4,760	3,370	3,940	2,500	731	682	502
16	1,080	808	646	217	3,590	4,710	3,530	3,760	2,510	756	685	499
17	1,080	805	631	217	3,590	5,130	3,690	3,600	2,620	772	716	489
18	1,070	799	617	219	3,590	5,860	3,890	3,460	2,730	769	664	466
19	1,060	805	611	215	3,510	6,480	4,050	3,320	2,750	772	664	461
20	1,050	795	591	204	3,610	7,040	4,170	3,210	2,720	772	655	459
21	1,040	782	586	186	3,620	7,480	4,310	3,150	2,700	772	643	444
22	1,030	776	569	179	3,640	7,760	4,490	3,100	2,680	769	643	434
23	1,030	766	558	182	3,640	7,900	4,660	3,040	2,680	766	646	420
24	1,020	766	539	180	3,680	7,930	4,790	3,030	2,670	766	623	427
25	1,010	747	539	180	3,680	7,770	4,920	3,010	2,680	769	611	418
26	1,010	737	539	191	4,040	7,630	5,020	2,960	2,680	766	634	411
27	993	734	518	177	4,120	7,390	5,110	2,900	2,650	769	658	401
28	982	731	507	202	4,190	7,090	5,170	2,850	2,600	753	591	390
29	975	-----	497	199	4,230	6,720	5,220	2,900	2,360	750	611	383
30	964	-----	494	243	4,270	6,340	5,270	2,840	2,360	750	594	388
31	953	-----	486	-----	4,370	-----	5,280	2,810	-----	737	-----	381
MAX	1,210	942	741	466	4,400	7,930	5,900	5,320	2,850	5,390	737	587
MIN	953	731	486	177	1,360	4,710	3,240	2,810	2,360	673	591	381
YEAR 1994			MEAN	2,211	MAX	7,930	MIN	177				

NORTH PLATTE RIVER BASIN

39

LITTLE LAKE ALICE from North Platte River - 1994

LOCATION.-- Sec.15 & 16-23-54 W.

GAGE.--Slope gage

PERIOD OF RECORD.--1992 - present

REMARKS.--Values furnished by U. S. Bureau of Reclamation. Records for years before 1992 may be available from the Bureau.

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	92	87	86	67	274	281	298	307	350	353	72	66
2	92	87	85	66	292	287	302	296	345	378	72	65
3	92	87	85	65	303	293	305	290	347	400	72	65
4	92	87	84	67	325	299	302	284	341	414	71	66
5	92	87	85	65	350	303	302	286	335	426	71	65
6	92	87	89	64	364	303	317	286	334	415	70	66
7	92	86	87	63	374	305	335	286	334	406	72	66
8	92	86	86	61	385	305	333	280	333	402	72	67
9	91	87	84	59	387	307	330	277	332	381	70	66
10	91	86	84	59	342	307	333	278	332	352	71	66
11	91	87	84	58	318	308	332	280	329	319	69	65
12	90	86	82	57	312	309	336	288	330	284	71	65
13	90	86	81	56	308	309	334	292	328	246	70	65
14	91	86	80	58	301	309	332	293	328	97	69	65
15	92	86	80	54	299	308	336	293	328	55	69	65
16	90	87	79	53	301	308	345	292	332	45	69	64
17	90	87	78	53	299	308	350	288	332	57	71	64
18	90	87	77	52	298	306	341	293	335	68	69	64
19	90	87	77	50	297	306	324	302	346	74	68	64
20	90	86	75	50	297	222	324	307	354	76	68	64
21	90	86	74	49	295	211	326	316	357	77	68	63
22	90	86	74	47	295	211	335	319	352	76	68	63
23	90	85	72	47	295	206	341	318	352	76	68	63
24	90	86	70	48	304	212	346	319	352	76	67	63
25	89	85	70	49	305	249	359	321	352	76	67	63
26	89	85	70	126	304	264	367	328	352	75	67	63
27	89	85	69	50	371	277	367	332	351	74	66	63
28	89	86	69	50	375	290	362	330	351	73	66	62
29	88	-----	68	182	378	294	351	333	343	73	66	62
30	87	-----	68	213	380	299	344	344	334	73	65	64
31	87	-----	67	-----	307	-----	333	351	-----	73	-----	64
MAX	92	87	89	213	387	309	367	351	357	426	72	67
MIN	87	85	67	47	274	206	298	277	328	45	65	62
YEAR 1994			MEAN	187	MAX	426	MIN	45				

NORTH PLATTE RIVER BASIN

LAKE MINATARE from North Platte - 1994

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

GAGE.--Staff gage

PERIOD OF RECORD.--1977 - present

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

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

DAILY CONTENTS IN ACRE-FEET FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	39,952	39,588	39,242	38,771	39,170	53,965	46,987	26,322	10,726	23,078	32,026	31,556
2	39,916	39,442	39,206	38,663	39,679	53,965	46,242	25,873	10,466	23,839	32,026	31,572
3	39,916	39,533	39,151	38,645	40,245	53,902	45,522	25,231	10,552	24,597	32,026	31,539
4	39,898	39,442	39,151	38,753	40,962	53,882	44,807	24,538	10,688	25,368	31,958	31,556
5	39,879	39,478	39,151	38,681	41,721	53,736	44,059	23,913	10,873	26,306	31,958	31,539
6	39,861	39,478	39,406	38,645	42,338	53,715	43,488	23,369	11,140	27,246	31,992	31,539
7	39,916	39,588	39,406	38,627	43,223	53,673	42,713	22,760	11,524	27,960	31,975	31,522
8	39,843	39,606	39,369	38,501	44,002	53,549	41,870	22,117	11,687	28,633	31,992	31,489
9	39,861	39,551	39,278	38,501	44,941	53,486	41,183	21,539	11,966	29,393	32,043	31,522
10	39,825	39,387	39,188	38,573	45,619	53,445	40,447	20,955	12,248	30,129	32,009	31,522
11	39,843	39,406	39,315	38,501	46,105	53,320	39,788	20,392	12,534	30,773	31,992	31,505
12	39,843	39,387	39,224	38,356	46,594	53,341	39,025	19,716	12,910	31,388	31,975	31,489
13	39,843	39,369	39,151	38,356	47,204	53,175	38,267	19,170	13,237	31,942	31,958	31,522
14	39,825	39,333	39,170	38,519	47,480	53,092	37,532	18,579	13,602	32,262	31,942	31,455
15	39,843	39,315	39,151	38,338	47,837	53,113	36,873	17,984	13,938	32,465	31,908	31,505
16	39,752	39,315	39,097	38,284	48,255	53,051	36,165	17,374	14,313	32,414	31,925	31,455
17	39,806	39,297	39,079	38,267	48,635	52,948	35,533	16,897	14,613	32,482	31,908	31,422
18	39,770	39,369	39,097	38,284	48,835	52,948	34,852	16,304	14,938	32,380	31,824	31,455
19	39,715	39,297	39,115	38,267	49,276	52,968	34,228	15,830	15,399	32,296	31,807	31,455
20	39,752	39,333	39,025	38,231	49,760	53,010	33,659	15,280	15,915	32,245	31,824	31,472
21	39,715	39,406	38,970	38,195	49,861	52,782	33,026	14,763	16,427	32,279	31,757	31,455
22	39,660	39,369	38,988	38,374	50,164	52,514	32,397	14,302	16,910	32,211	31,723	31,405
23	39,642	39,333	38,970	38,338	50,428	52,041	31,874	13,770	17,399	32,228	31,723	31,405
24	39,679	39,333	38,880	38,356	50,834	51,548	31,238	13,336	18,061	32,194	31,690	31,405
25	39,660	39,333	38,916	38,447	51,160	53,134	30,740	12,802	18,658	32,177	31,673	31,422
26	39,752	39,278	38,916	38,447	51,058	50,489	29,998	12,354	19,316	32,144	31,723	31,338
27	39,752	39,260	38,898	38,410	51,856	49,720	29,361	12,028	19,985	32,144	31,639	31,372
28	39,697	39,297	38,862	38,284	52,411	49,015	28,729	11,646	20,597	32,127	31,656	31,355
29	39,679	-----	38,826	38,302	52,844	48,415	28,119	11,241	21,329	32,110	31,639	31,322
30	39,679	-----	38,753	38,573	53,341	47,599	27,515	10,952	22,330	32,110	31,572	31,455
31	39,624	-----	38,699	-----	53,757	-----	26,884	10,873	-----	32,076	-----	31,438
MAX	39,952	39,606	39,406	38,771	53,757	53,965	46,987	26,322	22,330	32,482	32,043	31,572
MIN	39,624	39,260	38,699	38,195	39,170	47,599	26,884	10,873	10,466	23,078	31,572	31,322
YEAR 1994			MEAN	34,928	MAX	53,965	MIN	10,466				

NORTH PLATTE RIVER BASIN

41

WINTERS CREEK LAKE - 1994

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

GAGE.--Reference point

PERIOD OF RECORD.--1992 - present

REMARKS.--Values furnished by U. S. Bureau of Reclamation. Records for years before 1992 may be available from the Bureau.

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

DAILY CONTENTS IN ACRE-FEET FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1,230	1,140	1,020	891	770	1,290	1,020	816	768	926	1,030	993
2	1,230	1,130	1,010	884	768	1,290	995	829	766	923	1,030	988
3	1,220	1,120	1,010	880	793	1,300	975	826	772	935	1,030	993
4	1,220	1,120	1,010	886	835	1,290	955	826	778	943	1,020	997
5	1,220	1,110	1,010	878	884	1,290	941	833	781	968	1,020	1,000
6	1,220	1,110	1,030	867	932	1,290	935	824	787	995	1,020	997
7	1,220	1,110	1,030	865	977	1,280	923	850	797	1,030	1,030	991
8	1,210	1,110	1,020	860	1,030	1,280	906	848	803	1,040	1,030	993
9	1,210	1,100	1,010	858	1,070	1,280	895	839	805	1,060	1,030	991
10	1,200	1,090	1,000	856	1,120	1,260	882	831	812	1,090	1,030	988
11	1,200	1,090	1,000	852	1,160	1,250	873	831	812	991	1,030	988
12	1,200	1,080	995	843	1,200	1,250	860	829	818	993	1,030	984
13	1,200	1,080	991	831	1,230	1,240	854	831	818	997	1,030	984
14	1,190	1,080	986	831	1,230	1,250	843	835	822	995	1,030	982
15	1,190	1,070	984	820	1,230	1,250	841	820	818	1,010	1,030	977
16	1,180	1,060	979	818	1,220	1,230	837	824	837	1,010	1,030	973
17	1,190	1,050	975	812	1,220	1,230	835	814	835	1,030	1,020	977
18	1,180	1,050	968	810	1,230	1,220	845	810	835	1,030	1,020	975
19	1,180	1,050	961	803	1,230	1,210	841	808	835	1,030	1,020	973
20	1,180	1,050	959	797	1,260	1,220	835	781	835	1,030	1,020	968
21	1,170	1,050	948	799	1,240	1,210	835	772	839	1,030	1,020	964
22	1,170	1,050	948	818	1,240	1,210	833	768	835	1,030	1,020	966
23	1,160	1,040	939	801	1,250	1,200	833	766	839	1,030	1,020	961
24	1,160	1,040	932	799	1,280	1,190	829	764	843	1,030	1,020	961
25	1,160	1,040	926	797	1,290	1,170	837	758	848	1,030	1,010	957
26	1,160	1,030	919	791	1,290	1,150	810	752	850	1,030	1,010	957
27	1,160	1,020	919	791	1,280	1,100	812	748	867	1,030	1,010	950
28	1,150	1,020	908	781	1,290	1,080	816	742	908	1,030	1,000	948
29	1,150	-----	908	778	1,280	1,060	816	762	910	1,030	1,000	950
30	1,150	-----	899	770	1,290	1,040	818	764	919	1,030	995	950
31	1,140	-----	895	-----	1,290	-----	820	768	-----	1,030	-----	955
MAX	1,230	1,140	1,030	891	1,290	1,300	1,020	850	919	1,090	1,030	1,000
MIN	1,140	1,020	895	770	768	1,040	810	742	766	923	995	948
YEAR 1994			MEAN	994	MAX	1,300	MIN	742				

MITCHELL & GERING CANAL from North Platte River - 1994

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

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

PERIOD OF RECORD.--1916 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	153	241	295	269			
2					0	153	243	291	244			
3					0	137	247	300	235			
4					0	115	279	299	235			
5					0	108	303	302	236			
6					0	107	309	302	233			
7					0	109	308	303	232			
8					0	108	293	303	231			
9					0	108	293	306	231			
10					0	108	297	314	230			
11					0	102	297	310	230			
12					110	103	296	311	213			
13					152	101	296	313	208			
14					150	104	296	313	206			
15					150	141	272	315	205			
16					148	177	208	313	182			
17					150	179	194	312	179			
18					149	183	191	311	180			
19					148	200	191	308	179			
20					147	240	227	303	177			
21					148	252	238	307	177			
22					150	209	239	307	178			
23					151	173	242	307	31			
24					153	174	237	292	0			
25					150	175	267	286	0			
26					151	175	288	288	0			
27					151	213	290	291	0			
28					151	222	298	293	0			
29		-----			152	255	299	292	0			
30		-----			149	253	302	291	0			
31		-----		-----	149	-----	300	273	-----		-----	
TOTAL					2,959	4,837	8,281	9,351	4,721			
MEAN					95.5	161	267	302	157			
MAX					153	255	309	315	269			
MIN					0	101	191	273	0			
AC-FT					5,870	9,590	16,430	18,550	9,360			
YEAR 1994	MEAN	197	MAX	315	MIN	0	AC-FT	59,800				

NORTH PLATTE RIVER BASIN

43

GERING CANAL from North Platte River via Mitchell and Gering Canal - 1994

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	95	135	182	167			
2					0	97	138	171	155			
3					0	99	139	175	152			
4					0	96	148	175	159			
5					0	92	166	178	161			
6					0	91	177	179	159			
7					0	91	187	179	157			
8					0	91	179	172	155			
9					0	91	174	166	159			
10					0	91	175	168	156			
11					0	87	175	170	161			
12					0	80	174	171	153			
13					0	44	178	179	142			
14					0	34	189	181	143			
15					85	46	232	181	148			
16					68	69	121	181	144			
17					74	81	98	179	129			
18					74	90	86	184	125			
19					78	103	100	184	114			
20					82	157	139	174	75			
21					81	138	130	178	64			
22					85	166	135	181	72			
23					85	109	134	174	25			
24					97	105	144	168	0			
25					77	117	138	160	0			
26					74	120	166	156	0			
27					81	126	174	164	0			
28					83	134	175	171	0			
29		-----			87	148	179	174	0			
30		-----			88	148	181	172	0			
31		-----		-----	91	-----	182	167	-----			
TOTAL					1,390	3,036	4,848	5,394	3,075			
MEAN					44.8	101	156	174	103			
MAX					97	166	232	184	167			
MIN					0	34	86	156	0			
AC-FT					2,760	6,020	9,620	10,700	6,100			
YEAR 1994	MEAN	116	MAX	232	MIN	0	AC-FT	35,190				

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

TRI-STATE CANAL from North Platte River - 1994

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

GAGE---Continuous stage recorder

PERIOD OF RECORD---1916, 1919 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	365	1,250	1,090	965			
2					0	364	1,270	1,080	915			
3					0	363	1,270	1,070	864			
4					0	363	1,280	1,070	806			
5					61	358	1,270	1,060	679			
6					132	371	1,260	1,060	678			
7					142	374	1,240	1,050	689			
8					142	367	1,220	1,050	674			
9					165	367	1,190	1,050	631			
10					181	384	1,180	1,050	623			
11					218	441	1,180	1,050	620			
12					261	461	1,180	1,060	649			
13					484	485	1,180	1,060	639			
14					592	506	1,190	1,060	610			
15					576	507	1,150	1,060	586			
16					578	604	1,130	1,060	598			
17					588	825	1,130	1,050	609			
18					578	846	1,130	1,060	612			
19					573	864	1,120	1,060	611			
20					576	925	1,120	1,060	617			
21					578	953	1,090	1,060	615			
22					582	985	1,080	1,060	648E			
23					590	963	1,080	1,040	436E			
24					590	843	1,090	1,010	125E			
25					582	849	1,100	1,010	0			
26					548	1,000	1,090	1,020	0			
27					454	1,220	1,080	1,030	0			
28					414	1,190	1,080	1,030	0			
29		-----			373	1,210	1,050	1,030	0			
30		-----			352	1,220	1,080	994	0			
31		-----		-----	350	-----	1,080	985	-----		-----	
TOTAL					11,260	20,573	35,840	32,479	15,499			
MEAN					363	686	1,156	1,048	517			
MAX					592	1,220	1,280	1,090	965			
MIN					0	358	1,050	985	0			
AC-FT					22,330	40,810	71,090	64,420	30,740			
YEAR 1994	MEAN	756	MAX	1,280	MIN	0	AC-FT	229,400				

NORTH PLATTE RIVER BASIN

45

TRI-STATE CANAL from Sheep Creek - 1994

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

GAGE---Continuous Stage Recorder

PERIOD OF RECORD.--1986 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	49	51	74	85			
2					0	49	51	77	88			
3					0	50	50	80	83			
4					0	50	50	78	81			
5					0	50	49	77	80			
6					0	50	50	75	80			
7					0	49	51	77	82			
8					0	49	52	77	82			
9					45	49	55	77	81			
10					44	49	57	72	80			
11					43	49	62	72	80			
12					41	48	65	73	80			
13					44	48	65	74	81			
14					48	48	73	77	83			
15					49	48	79	76	83			
16					48	49	77	77	83			
17					46	50	81	78	84			
18					42	51	82	77	85			
19					42	55	80	77	82			
20					42	54	80	80	83			
21					43	52	80	82	11			
22					42	55	79	80	0			
23					42	58	77	79	0			
24					49	62	78	77	0			
25					45	60	77	77	0			
26					46	60	79	77	0			
27					48	56	77	78	0			
28					47	53	74	77	0			
29		-----			47	51	73	80	0			
30		-----			47	51	73	77	0			
31		-----		-----	48	-----	73	79	-----			
TOTAL					1,038	1,552	2,100	2,388	1,657			
MEAN					33.5	51.7	67.7	77.0	55.2			
MAX					49	62	82	82	88			
MIN					0	48	49	72	0			
AC-FT					2,060	3,080	4,170	4,740	3,290			
YEAR 1994	MEAN	57.1	MAX	88	MIN	0	AC-FT	17,330				

NORTH PRAIRIE RIVER BASIN

TRI-STATE CANAL from Akers Draw - 1994

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1986 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					7.0	7.0	9.0	11	11			
2					7.0	7.0	9.0	11	11			
3					8.0	8.0	9.0	11	11			
4					8.0	8.0	9.0	11	11			
5					8.0	7.0	9.0	11	10			
6					8.0	8.0	10	11	9.0			
7					8.0	7.0	11	10	9.0			
8					8.0	7.0	10	11	9.0			
9					7.0	7.0	10	11	9.0			
10					7.0	7.0	10	10	9.0			
11					7.0	7.0	11	10	10			
12					7.0	8.0	10	11	9.0			
13					8.0	8.0	11	11	9.0			
14					8.0	8.0	11	11	9.0			
15					8.0	8.0	11	11	10			
16					8.0	8.0	11	10	10			
17					9.0	8.0	10	10	10			
18					9.0	8.0	11	9.0	10			
19					9.0	8.0	11	10	11			
20					9.0	8.0	11	10	11			
21					9.0	8.0	11	11	11			
22					9.0	8.0	11	11	11			
23					9.0	8.0	11	10	12			
24					9.0	8.0	11	11	12			
25					7.0	8.0	11	11	12			
26					7.0	9.0	11	10	13			
27					6.0	9.0	10	11	13			
28					7.0	9.0	10	13	14			
29		-----			6.0	9.0	10	12	14			
30		-----			7.0	9.0	10	10	13			
31		-----		-----	7.0	-----	10	11	-----		-----	
TOTAL					241.0	237.0	320.0	332.0	323.0			
MEAN					7.77	7.90	10.3	10.7	10.8			
MAX					9.0	9.0	11	13	14			
MIN					6.0	7.0	9.0	9.0	9.0			
AC-FT					478	470	635	659	641			
YEAR 1994	MEAN	9.50	MAX	14	MIN	6.0	AC-FT	2,880				

NORTH PLATTE RIVER BASIN

47

TRI-STATE CANAL from Dry Spottedtail Creek - 1994

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1986 - present

REMARKS.--Values provided by the United States Bureau of Reclamation.

Data for years prior to 1986 available from the Bureau.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	11	13	22	22			
2					0	9.0	14	20	22			
3					0	10	14	21	20			
4					0	10	15	21	21			
5					0	10	14	21	21			
6					0	9.0	15	21	20			
7					0	8.0	17	21	20			
8					0	8.0	17	20	20			
9					0	8.0	17	20	20			
10					4.0	7.0	16	21	21			
11					4.0	7.0	16	24	19			
12					5.0	6.0	18	26	20			
13					6.0	6.0	19	25	20			
14					6.0	7.0	20	24	21			
15					6.0	7.0	20	23	21			
16					5.0	7.0	18	21	21			
17					6.0	7.0	20	21	20			
18					6.0	7.0	20	21	19			
19					6.0	8.0	19	21	19			
20					7.0	9.0	19	21	19			
21					4.0	10	19	21	3.0			
22					7.0	10	19	21	0			
23					8.0	10	19	20	0			
24					12	11	19	21	0			
25					10	11	20	21	0			
26					10	13	20	21	0			
27					10	13	22	21	0			
28					9.0	12	22	20	0			
29		-----			9.0	12	23	21	0			
30		-----			9.0	13	22	21	0			
31		-----		-----	9.0	-----	23	22	-----			
TOTAL					158.0	276.0	569	665	409.0			
MEAN					5.10	9.20	18.4	21.5	13.6			
MAX					12	13	23	26	22			
MIN					0	6.0	13	20	0			
AC-FT					313	547	1,130	1,320	811			
YEAR 1994	MEAN	13.6	MAX	26	MIN	0	AC-FT	4,120				

NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Wet Spottedtail Creek - 1994

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1986 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	9.0	3.0	12	27			
2					0	10	4.0	12	23			
3					0	10	4.0	13	20			
4					0	10	4.0	14	21			
5					0	9.0	5.0	15	16			
6					0	9.0	7.0	14	18			
7					0	8.0	11	12	18			
8					0	8.0	12	14	17			
9					0	8.0	8.0	14	18			
10					6.0	8.0	6.0	14	19			
11					9.0	8.0	6.0	16	20			
12					15	8.0	6.0	19	19			
13					16	8.0	7.0	19	20			
14					17	8.0	9.0	19	21			
15					15	8.0	11	16	21			
16					15	7.0	9.0	14	23			
17					7.0	7.0	14	15	25			
18					6.0	7.0	10	16	25			
19					6.0	7.0	10	21	23			
20					6.0	10	12	18	22			
21					6.0	8.0	10	16	28			
22					6.0	7.0	10	17	33			
23					5.0	7.0	11	17	35			
24					7.0	8.0	11	17	20			
25					7.0	7.0	12	16	27			
26					7.0	6.0	15	15	27			
27					6.0	5.0	14	16	27			
28					5.0	6.0	11	15	27			
29		-----			6.0	5.0	10	16	31			
30		-----			6.0	4.0	11	16	30			
31		-----		-----	7.0	-----	13	20	-----		-----	
TOTAL					186.0	230.0	286.0	488	701			
MEAN					6.00	7.67	9.23	15.7	23.4			
MAX					17	10	15	21	35			
MIN					0	4.0	3.0	12	16			
AC-FT					369	456	567	968	1,390			
YEAR 1994	MEAN	12.4	MAX	35	MIN	0	AC-FT	3,750				

NORTH PLATTE RIVER BASIN

49

TRI-STATE CANAL from Tub Springs - 1994

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1986 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	14	28	47	35			
2					0	14	30	51	35			
3					0	14	29	50	35			
4					0	14	29	49	35			
5					0	13	29	47	36			
6					0	14	30	47	38			
7					0	13	33	47	37			
8					0	14	34	45	37			
9					8.0	14	33	43	36			
10					10	14	33	40	36			
11					10	14	33	37	35			
12					11	14	35	33	35			
13					13	15	34	35	35			
14					12	15	37	37	36			
15					11	15	35	40	36			
16					12	15	35	42	38			
17					12	15	36	42	38			
18					12	15	36	42	38			
19					12	17	37	41	38			
20					11	20	40	40	40			
21					12	20	40	40	41			
22					13	20	38	40	10			
23					13	22	37	39	0			
24					15	22	37	38	0			
25					13	23	38	38	0			
26					13	23	37	38	0			
27					13	24	38	37	0			
28					13	24	41	38	0			
29		-----			14	25	42	38	0			
30		-----			14	26	45	37	0			
31		-----		-----	15	-----	46	37	-----			
TOTAL					282.0	522	1,105	1,275	780			
MEAN					9.10	17.4	35.6	41.1	26.0			
MAX					15	26	46	51	41			
MIN					0	13	28	33	0			
AC-FT					559	1,040	2,190	2,530	1,550			
YEAR 1994	MEAN	25.9	MAX	51	MIN	0	AC-FT	7,860				

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

NORTHPORT CANAL from North Platte River via Tri-State Canal - 1994

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

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

PERIOD OF RECORD.--1920, 1922 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	95	262	261	256			
2					0	92	266	249	256			
3					0	96	262	255	258			
4					0	95	263	259	238			
5					0	94	263	258	223			
6					0	94	258	259	200			
7					0	95	261	258	173			
8					0	94	261	255	177			
9					0	96	258	256	174			
10					0	96	261	255	174			
11					0	102	259	248	179			
12					0	94	258	256	178			
13					0	92	261	261	173			
14					0	94	258	259	159			
15					0	92	258	253	144			
16					58	93	259	256	148			
17					131	100	262	256	154			
18					111	148	259	261	153			
19					106	178	256	255	151			
20					112	202	259	259	125			
21					114	210	258	259	125			
22					106	210	256	258	126			
23					106	208	255	256	67			
24					111	204	256	258	0			
25					109	203	259	258	0			
26					109	207	258	262	0			
27					104	228	256	256	0			
28					98	253	256	256	0			
29		-----			92	255	259	259	0			
30		-----			93	259	256	255	0			
31		-----		-----	93	-----	258	256	-----		-----	
TOTAL					1,653	4,379	8,031	7,962	4,011			
MEAN					53.3	146	259	257	134			
MAX					131	259	266	262	258			
MIN					0	92	255	248	0			
AC-FT					3,280	8,690	15,930	15,790	7,960			
YEAR 1994	MEAN	170	MAX	266	MIN	0	AC-FT	51,640				

NORTH PLATTE RIVER BASIN

51

NORTH PLATTE RIVER passing Tri-State Dam - 1994

LOCATION.--NW1/4NE1/4 Sec. 10-23-58 W. near Henry, Scotts Bluff County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1947 - 1964, 1967 - 1992, Irrigation season only, 1993 - present, 12 month operation

REMARKS.--E indicates estimated discharge

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,110 cubic feet per second July 15, gage height 5.82 feet.
Minimum daily discharge 4.4 cubic feet per second May 9.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	250	250E	187	170	190	23	39	77	105	364	362	270
2	250	255E	191	174	193	48	84	107	108	353	354	268
3	248	255E	198	171	181	52	119	105	55	355	334	272
4	253	260E	200	177	170	129	164	70	39	367	339	262
5	258	270E	205	181	87	75	171	62	17	395	347	249
6	264	268	216	183	21	27	81	69	14	419	354	250
7	250E	247	212	184	15	6.5	218	55	13	490	353	243
8	255E	240	201	180	8.7	5.6	354	46	16	469	342	251
9	264	240E	192	168	4.4	6.7	297	41	13	431	333	241
10	263	240E	190	169	4.6	5.1	245	68	13	438	333	242
11	259	245E	195	174	5.1	6.3	97	114	13	436	327	249
12	255	248	192	180	7.0	21	52	154	29	415	313	249
13	251	243	187	186	24	21	55	153	41	387	312	252
14	253	222	188	191	262	8.9	179	149	32	392	304	262
15	251	221	187	190	168	9.8	696	141	19	399	300	257
16	253	206	188	180	110	12	649	90	25	417	299	253
17	244	205	178	173	69	54	721	62	23	422	306	250
18	245E	209	186	168	82	139	499	46	22	425	293	256
19	250E	209	196	165	62	147	347	54	18	423	301	261
20	282	206	193	162	25	283	294	54	19	416	304	252
21	277	198	194	159	34	247	211	70	20	404	295	254
22	276	190	184	155	20	157	96	70	35	372	289	250
23	286	184	181	170	43	104	65	43	237	348	292	239
24	290	186	177	164	96	84	37	28	517	342	286	243
25	280	176	181	169	123	83	59	29	527	360	280	242
26	265	194	180	185	103	87	131	30	472	371	277	241
27	276	195	180	184	92	100	117	38	396	383	269	245
28	285	195	181	193	86	185	53	50	360	373	257	234
29	271	-----	179	188	85	171	23	70	363	352	247	232
30	267	-----	170	191	77	103	25	79	374	341	257	236
31	255E	-----	167	-----	33	-----	42	69	-----	343	-----	227
TOTAL	8,126	6,257	5,856	5,284	2,480.8	2,400.9	6,220	2,293	3,935	12,202	9,259	7,732
MEAN	262	223	189	176	80.0	80.0	201	74.0	131	394	309	249
MAX	290	270	216	193	262	283	721	154	527	490	362	272
MIN	244	176	167	155	4.4	5.1	23	28	13	341	247	227
AC-FT	16,120	12,410	11,620	10,480	4,920	4,760	12,340	4,550	7,810	24,200	18,370	15,340
YEAR 1994	TOTAL	72,045.7	MEAN	197	MAX	721	MIN	4.4	AC-FT	142,900		

NORTH PLATTE RIVER BASIN

HORSE CREEK near Lyman - 1994

LOCATION.--SE1/4NE1/4 Sec. 25-23-58 W., Scotts Bluff County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--Feb. 1931 to present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994.
E indicates estimated daily discharge.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 913 cubic feet per second on June 20 at gage height 7.16 feet.
Minimum daily discharge 17 cubic feet per second on May 11.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	39	56	133	51	26	249	203	146	213	76	42	39
2	39	56	161	50	25	274	180	163	234	74	43	35
3	40	56	142	50	25	263	133	157	242	69	42	34
4	43	54	132	50	25	277	137	157	234	69	43	33
5	45	54	124	47	24	300	139	152	243	76	42	32E
6	42	54	131	43	25	247	135	148	250	115	41	30E
7	36	48	125	40	26	233	156	139	256	75	43	34E
8	36	40	119	39	25	224	164	134	239	57	46	32E
9	40	36	112	38	24	200	145	128	218	55	47	32E
10	38	36	103	37	21	186	142	115	211	54	47	32E
11	36	40	99	38	17	192	146	106	199	55	46	32E
12	36	45	97	36	115	188	153	105	204	53	46	32E
13	36	55	95	33	210	176	167	112	207	52	45	30E
14	40	78	95	32	174	127	181	114	204	51	43	30E
15	39	86	95	30	321	116	472	113	195	54	42	30E
16	43	96	105	29	233	133	383	120	208	59	43	30E
17	37	102	98	28	126	116	438	118	211	57	42	30E
18	40	114	88	28	105	112	374	112	190	62	40E	30E
19	40	105	84	28	78	287	310	114	201	52	40E	29
20	43	111	80	28	73	473	278	125	273	50	40E	30
21	45	109	79	27	159	342	286	136	292	50	41	30E
22	46	102	76	28	155	584	240	143	226	50	38E	30E
23	46	106	73	32	151	394	214	146	179	51	38E	30E
24	48	98	63	28	309	342	204	150	163	50	40E	30E
25	50	86	58	28	213	306	196	150	152	49	40E	30E
26	50	83	57	29	203	273	187	142	145	49	39E	30E
27	52	78	54	31	211	253	165	139	121	48	35E	30E
28	54	117	54	30	214	234	158	143	91	46	38E	30E
29	54	-----	54	29	221	200	163	167	80	44	38E	30E
30	56	-----	51	28	238	185	161	189	77	44	38E	30E
31	56	-----	51	-----	247	-----	149	213	-----	43	-----	30E
TOTAL	1,345	2,101	2,888	1,045	4,019	7,486	6,559	4,296	5,958	1,789	1,248	966
MEAN	43.4	75.0	93.2	34.8	130	250	212	139	199	57.7	41.6	31.2
MAX	56	117	161	51	321	584	472	213	292	115	47	39
MIN	36	36	51	27	17	112	133	105	77	43	35	29
AC-FT	2,670	4,170	5,730	2,070	7,970	14,850	13,010	8,520	11,820	3,550	2,480	1,920
YEAR 1994	TOTAL	39,700	MEAN	109	MAX	584	MIN	17	AC-FT	78,740		

NORTH PLATTE RIVER BASIN

53

SHEEP CREEK near Morrill - 1994

LOCATION.--NW1/4SW1/4 Sec. 16-23-57 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--Oct. 1931 to present

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 152 cubic feet per second on October 5 at gage height 2.97 feet.
Minimum daily discharge 2.5 cubic feet per second on May 29 and 30.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	77	69	71	61	54	2.8	6.3	6.1	5.3	92	83	85
2	76	69	70	60	53	2.7	6.5	6.2	5.0	92	83	85
3	77	69	69	60	52	2.9	6.3	5.9	5.4	93	83	85
4	77	70	68	62	51	3.0	6.7	5.9	5.0	96	84	84
5	78	70	68	62	50	2.8	6.7	5.7	4.7	104	85	84
6	78	69	70	62	47	2.8	7.2	6.0	4.8	122	84	84
7	78	69	68	61	46	2.9	10	6.5	4.9	108	83	84
8	78	70	67	61	34	2.8	9.4	6.6	4.9	95	85	83
9	78	70	66	62	3.3	2.8	7.6	6.4	4.1	93	85	82
10	77	69	65	63	3.0	2.8	7.8	6.6	3.8	92	85	82
11	76	69	65	63	2.9	2.9	8.0	6.7	3.6	90	84	82
12	76	69	64	63	2.9	2.9	8.0	6.8	3.5	89	85	82
13	75	69	64	64	2.9	2.9	7.6	6.7	3.5	88	85	82
14	75	68	64	65	2.8	2.9	6.2	6.2	3.3	89	84	82
15	75	68	64	65	2.7	2.8	5.2	6.0	3.0	96	83	81
16	73	68	63	66	2.9	2.9	5.3	5.8	2.7	103	85	81
17	73	68	63	67	2.9	2.8	5.3	5.5	2.9	100	86	80
18	73	68	64	67	2.9	3.1	5.8	5.2	2.7	99	87	80
19	71	68	64	68	3.0	5.0	6.3	5.1	2.6	95	89	82
20	71	69	63	68	3.1	6.2	6.1	4.9	2.7	92	89	80
21	70	70	64	69	3.0	11	5.7	5.3	53	89	88	80
22	70	70	63	67	3.0	6.6	5.7	5.7	86	88	87	79
23	69	69	62	65	3.3	5.7	5.7	5.7	84	87	87	79
24	69	69	61	60	3.7	5.2	5.7	5.6	85	86	87	79
25	70	69	61	60	2.8	5.0	5.6	5.6	89	86	87	79
26	73	71	60	58	2.6	5.2	5.8	5.4	91	85	86	79
27	72	71	60	58	2.6	5.6	5.8	4.6	90	84	86	78
28	72	71	60	60	2.6	5.8	6.0	4.8	93	82	86	78
29	72	-----	60	57	2.5	6.0	6.0	5.1	92	83	85	78
30	70	-----	60	55	2.5	6.1	6.1	5.4	93	83	85	78
31	70	-----	60	-----	2.7	-----	6.4	5.5	-----	83	-----	78
TOTAL	2,289	1,938	1,991	1,879	453.6	124.9	202.8	179.5	934.4	2,864	2,561	2,515
MEAN	73.8	69.2	64.2	62.6	14.6	4.16	6.54	5.79	31.1	92.4	85.4	81.1
MAX	78	71	71	69	54	11	10	6.8	93	122	89	85
MIN	69	68	60	55	2.5	2.7	5.2	4.6	2.6	82	83	78
AC-FT	4,540	3,840	3,950	3,730	900	248	402	356	1,850	5,680	5,080	4,990
YEAR 1994	TOTAL	17,932.2	MEAN	49.1	MAX	122	MIN	2.5	AC-FT	35,570		

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

ENTERPRISE CANAL from North Platte River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	78	101	107	100	0		
2					0	79	102	116	98	0		
3					0	79	102	112	89	0		
4					36	82	100	101	83	0		
5					48	83	102	102	81	0		
6					47	79	103	104	81	0		
7					48	74	107	104	81	0		
8					49	74	105	102	81	0		
9					47	75	96	98	82	0		
10					48	78	100	98	83	0		
11					51	80	95	103	83	0		
12					59	81	96	108	83	0		
13					80	82	100	110	86	0		
14					90	80	107	110	85	0		
15					97	79	144	106	84	0		
16					88	80	97	102	84	0		
17					78	84	87	99	86	0		
18					74	98	91	97	83	0		
19					75	119	97	98	85	0		
20					69	135	100	100	95	0		
21					75	123	101	106	109	0		
22					76	91	98	108	103	0		
23					72	81	92	108	95	0		
24					88	85	92	104	86	0		
25					80	83	98	104	84	0		
26					79	82	103	103	79	0		
27					79	81	109	102	75	0		
28					79	95	106	102	73	0		
29		-----			79	102	104	112	73	0		
30		-----			78	102	106	117	53	0		
31		-----		-----	78	-----	106	105	-----	0	-----	
TOTAL					1,947	2,624	3,147	3,248	2,543	0		
MEAN					62.8	87.5	102	105	84.8	0		
MAX					97	135	144	117	109	0		
MIN					0	74	87	97	53	0		
AC-FT					3,860	5,200	6,240	6,440	5,040	0		
YEAR 1994	MEAN	73.4	MAX	144	MIN	0	AC-FT	26,800				

NORTH PLATTE RIVER BASIN

55

ENTERPRISE CANAL from Morrill Drain - 1994

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

GAGE.--Staff gage

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

REMARKS--.* = Measurements

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	.66	1.9	3.5	3.2			
2					0	.66*	2.0	3.4	3.2			
3					0	.65	2.1	3.4	3.1			
4					0	.64	2.1	3.3	3.0			
5					.01	.63	2.2	3.3	3.0			
6					.01	.62	2.3	3.3	2.9			
7					.02	.61	2.4	3.2	2.8			
8					.04	.59	2.5	3.2	2.8*			
9					.05	.58	2.6	3.2	2.9			
10					.06	.57	2.7	3.2	2.9			
11					.07	.56	2.7	3.2*	3.0			
12					.09	.55	2.8	3.2	3.1			
13					.10	.54	2.9	3.3	3.2			
14					.14	.53	3.0*	3.3	3.2			
15					.16	.52	3.1	3.3	3.3			
16					.18*	.50*	3.1	3.4	3.4			
17					.21	.60	3.2	3.4	3.4			
18					.24	.70	3.2	3.4	3.5			
19					.27	.80	3.3	3.4	3.6			
20					.30	.90	3.3	3.5	3.6			
21					.33	1.0	3.4	3.5	3.7			
22					.36	1.1	3.4	3.5	3.8*			
23					.39	1.2	3.5	3.6	3.7			
24					.42	1.3	3.5	3.6	3.6			
25					.45	1.4	3.6	3.7*	3.5			
26					.48	1.5	3.7*	3.6	3.5			
27					.51	1.6	3.6	3.5	3.1			
28					.54	1.7	3.6	3.5	2.5			
29		-----			.57	1.8	3.6	3.4	2.0			
30		-----			.60	1.9 *	3.5	3.4	1.5			
31		-----		-----	.63	-----	3.5	3.3	-----		-----	
TOTAL					7.23	26.91	92.3	105.0	94.0			
MEAN					.23	.90	2.98	3.39	3.13			
MAX					.63	1.9	3.7	3.7	3.8			
MIN					0	.50	1.9	3.2	1.5			
AC-FT					14	53	183	208	186			
YEAR 1994	MEAN	2.13	MAX	3.8	MIN	0	AC-FT	646				

NORTH PLATTE RIVER BASIN

ENTERPRISE CANAL from Dry Spottedtail Creek - 1994

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

GAGE.--Staff gage

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

REMARKS--.* = Measurements

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	0	0	0	2.1		
2					0	0	0	0	0	2.1		
3					0	0	0	0	0	1.5		
4					0	0	0	0	.60	0		
5					0	0	0	0	.60	0		
6					0	0	0	0	.60	0		
7					0	0	0	0	.60	0		
8					0	0	0	0	.60*	0		
9					0	0	0	0	.60	0		
10					0	0	0	0	.60	0		
11					0	0	0	0	.60	0		
12					0	0	0	0	0	0		
13					0	0	0	0	0	0		
14					0	0	0	0	0	0		
15					0	0	0	0	0	0		
16					0	0	0	0	0	0		
17					0	0	0	0	0	0		
18					0	0	0	0	0	0		
19					0	0	0	0	0	0		
20					0	1.0	0	0	0	0		
21					0	1.0	0	0	0	0		
22					0	1.0	0	0	0	0		
23					0	1.2*	0	0	1.5	0		
24					0	1.2	0	0	2.1	0		
25					0	1.2	0	0	2.1	0		
26					0	1.2	0	0	2.1	0		
27					0	0	0	0	2.1	0		
28					0	0	0	0	2.1 *	0		
29		-----			0	0	0	0	2.1	0		
30		-----			0	0	0	0	2.1	0		
31		-----		-----	0	-----	0	0	-----	0	-----	
TOTAL					0	7.8	0	0	21.00	5.7		
MEAN					0	.26	0	0	.70	.18		
MAX					0	1.2	0	0	2.1	2.1		
MIN					0	0	0	0	0	0		
AC-FT					0	15	0	0	42	11		
YEAR 1994	MEAN	.19	MAX	2.1	MIN	0	AC-FT	68				

NORTH PLATTE RIVER BASIN

57

ENTERPRISE CANAL from Tub Springs - 1994

LOCATION.--Sec. 33-23-55 W. Scottsbluff County

GAGE.--Staff gage

PERIOD OF RECORD.--1920 - 1927, 1929 - 1983, 1992 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	0	0	0			
2					0	0	0	0	0			
3					0	0	0	0	0			
4					0	0	0	0	0			
5					0	0	0	0	0			
6					0	0	0	0	0			
7					0	0	0	0	0			
8					0	0	0	0	0			
9					0	0	0	0	0			
10					0	0	0	0	0			
11					0	0	0	0	0			
12					0	0	0	0	0			
13					0	0	0	0	0			
14					0	0	0	0	0			
15					0	0	0	0	0			
16					0	0	0	0	0			
17					0	0	0	0	0			
18					0	0	0	0	0			
19					0	0	0	0	0			
20					0	0	0	0	0			
21					0	0	0	0	0			
22					0	0	0	0	0			
23					0	0	0	0	0			
24					0	0	0	0	0			
25					0	0	0	0	0			
26					0	0	0	0	0			
27					0	0	0	0	0			
28					0	0	0	0	0			
29		-----			0	0	0	0	0			
30		-----			0	0	0	0	0			
31		-----		-----	0	-----	0	0	-----		-----	
TOTAL					0	0	0	0	0			
MEAN					0	0	0	0	0			
MAX					0	0	0	0	0			
MIN					0	0	0	0	0			
AC-FT					0	0	0	0	0			
YEAR 1994	MEAN	0	MAX	0	MIN	0	AC-FT	0				

NORTH PLATTE RIVER BASIN

ENTERPRISE CANAL from Winters Creek - 1994

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

GAGE.--Staff gage

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

REMARKS--.* = Measurement

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	.80	1.2	.32	.86*			
2					0	.80*	1.2	.32	.90			
3					0	.83	1.2	.32	.94			
4					0	.86	1.2	.32*	.98			
5					0	.89	1.2	.38	1.0			
6					0	.92	1.3	.44	1.1			
7					0	.95	1.3 *	.50	1.1			
8					0	.98	1.2	.56	1.1 *			
9					0	1.0	1.2	.62	1.1			
10					0	1.0	1.1	.68	1.1			
11					0	1.1	1.1	.74	1.0			
12					0	1.1	.99	.80	1.0			
13					0	1.1	.93	.86	.95			
14					0	1.2	.88*	.92	.75			
15					0	1.2	.95	.98	0 *			
16					0	1.2 *	1.0	1.0	0			
17					0	1.2	1.1	1.1	0			
18					0	1.2	1.2	1.1 *	0			
19					0	1.2	1.2	1.2	0			
20					0	1.2	1.3	1.2	0			
21					0	1.2	1.4 *	1.3	0			
22					0	1.2	1.4	1.3	0 *			
23					0	1.2 *	1.4	1.4	0			
24					0	1.2	1.4	1.4	0			
25					0	1.2	.69	1.5 *	0			
26					0	1.2	0	1.4	0			
27					0	1.2	0	1.3	0			
28					0	1.2	0 *	1.2	0 *			
29		-----			.20	1.2	0	1.1	0			
30		-----			.40	1.1 *	0	1.0	0			
31		-----		-----	.80	-----	.16	.92	-----		-----	
TOTAL					1.40	32.63	29.20	28.18	13.88			
MEAN					.045	1.09	.94	.91	.46			
MAX					.80	1.2	1.4	1.5	1.1			
MIN					0	.80	0	.32	0			
AC-FT					2.8	65	58	56	28			
YEAR 1994	MEAN	.69	MAX	1.5	MIN	0	AC-FT	209				

NORTH PLATTE RIVER BASIN

59

DRY SPOTTED TAIL CREEK at Mitchell - 1994

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

GAGE---Continuous stage recorder

PERIOD OF RECORD---1948 - present

REMARKS---Published by U. S. Geological Survey up to October 1, 1979.
E indicates estimated daily discharge.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 418 cubic feet per second on May 24, gage height 2.80 ft.
Minimum daily discharge, 7.4 cubic feet per second on June 7.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	23	19	27	16	12	14	50E	64	73	41	34E	32
2	23	20	25	16	12	9.9	50E	64	73	35	36E	33
3	22	20	23	15	12	9.3	52E	67	71	33	36E	33
4	26	20	23	16	34	8.9	54E	65	66	31	36E	33
5	25	17	24	15	25	9.0	56E	64	70	25	38E	32
6	25	21	33	15	14	8.6	60E	59	62	45	38E	32
7	23	21	27	15	14	7.4	60E	59	58	27	38E	32
8	24	23	24	15	14	12	62E	59	56	23	38E	34
9	24	21	23	14	14	14	65	57	49	23	44	35
10	23	25	23	14	19	13	56	55	48	21	44	34
11	21	24	24	14	24	12	59	50	44	21	43	33
12	21	24	23	13	29	11	60	51	44	19	42	32E
13	21	23	22	13	37	10	61	54	43	21	42	32E
14	20	24	21	14	48	7.9	69	56	46	21	38	31E
15	20	24	21	14	46	8.7	102	57	48	36	37	31E
16	20	24	21	14	37	11	86	52	53	39	38	30E
17	17	25	20	14	25	11	91	52	52	38	35	30E
18	22	25	21	14	18	13	81	49	52	39	36	30E
19	22	25	21	14	22	17	80	57	52	34	36	29E
20	20	25	21	15	28	18	89	58	48	37	35	29E
21	18	25	21	15	26	37	85	61	59	33	35	29E
22	18	25	25	13	25	43	70	63	73	33	33	28E
23	19	24	25	13	25	34	64	56	93	31	33	28E
24	19	25	27	13	120	33	63	54	68	31	34	27E
25	18	31	28	14	49	39 E	69	56	60	31	33	27E
26	19	30	28	14	34	40 E	63	58	52	30	33	27E
27	19	28	26E	14	28	42 E	60	64	50	27	33	26E
28	18	27	24E	14	24	44 E	63	65	51	30E	32	26E
29	21	-----	22E	14	25	44 E	63	74	50	30E	32	26E
30	16	-----	20E	13	28	46 E	59	77	63	32E	31	25E
31	17	-----	18E	-----	23	-----	66	74	-----	34E	-----	25E
TOTAL	644	665	731	427	891	627.7	2,068	1,851	1,727	951	1,093	931
MEAN	20.8	23.8	23.6	14.2	28.7	20.9	66.7	59.7	57.6	30.7	36.4	30.0
MAX	26	31	33	16	120	46	102	77	93	45	44	35
MIN	16	17	18	13	12	7.4	50	49	43	19	31	25
AC-FT	1,280	1,320	1,450	847	1,770	1,250	4,100	3,670	3,430	1,890	2,170	1,850
YEAR 1994	TOTAL	12,606.7	MEAN	34.5	MAX	120	MIN	7.4	AC-FT	25,010		

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER at Mitchell - 1994

LOCATION.--NE1/4NE1/4 Sec. 33-23-56 W., Scotts Bluff County

GAGE.--Continuous stage recorder

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

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 27,500 cubic feet per second June 3, 1909, gage height 6.45, 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 1,470 cubic feet per second on July 17 at gage height 3.91.
Minimum daily discharge 153 cubic feet per second on May 12.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	478	427	498	383	355	396	380	339	421	765E	634	538
2	476	431	535	372	346	379	352	356	488	755E	632	537
3	479	440	523	378	339	359	345	376	474	745E	623	531
4	478	444	515	375	333	393	358	358	430	735E	626	518
5	473	449	507	373	309	418	381	328	423	733	626	511
6	471	461	518	372	300	381	348	325	412	878	626	511
7	466	435	518	375	308	329	364	303	407	844	621	501
8	440	410	498	360	298	312	548	287	397	847	622	506
9	445	403	488	345	255	296	537	274	373	796	627	492
10	455	452	481	337	181	281	485	255	361	767	622	485
11	454	465	475	337	155	267	435	262	349	750	616	493
12	453	447	462	349	153	270	372	290	352	740	612	493
13	450	452	461	349	303	301	353	307	367	717	614	489
14	452	464	464	337	435	251	421	327	378	711	596	498
15	454	470	457	334	552	212	906	332	350	731	584	483
16	453	484	454	333	512	229	1,280	314	351	785	587	489
17	456	491	452	336	361	212	1,320	296	371	762	580	494
18	428	507	445	330	290	233	1,150	273	367	789	561	492
19	429	501	442	328	254	446	956	269	381	750	561	491
20	435	500	423	334	229	553	860	273	417	738	568	490
21	433	497	423	332	238	807	784	286	494	727	565	482
22	441	483	426	326	253	879	636	308	621	713	555	478
23	447	489	420	337	256	714	520	296	742	703	553	481
24	453	488	411	330	510	597	456	279	979	693	557	477
25	449	451	411	320	431	533	436	279	944	689	551	472
26	446	440	395	329	413	494	441	273	921	686	548	472
27	468	460	387	331	384	475	432	274	839	683	544	468
28	472	483	385	340	381	484	405	280	774	673	529	467
29	477	-----	387	342	401	475	361	322	785	644	525	471
30	467	-----	383	352	419	443	342	378	767	639	528	472
31	443	-----	388	-----	411	-----	337	381	-----	630	-----	464
TOTAL	14,121	12,924	14,032	10,376	10,365	12,419	17,301	9,500	15,735	22,818	17,593	15,246
MEAN	456	462	453	346	334	414	558	306	525	736	586	492
MAX	479	507	535	383	552	879	1,320	381	979	878	634	538
MIN	428	403	383	320	153	212	337	255	349	630	525	464
AC-FT	28,010	25,630	27,830	20,580	20,560	24,630	34,320	18,840	31,210	45,260	34,900	30,240
YEAR 1994	TOTAL	172,430	MEAN	472	MAX	1,320	MIN	153	AC-FT	342,000		

NORTH PLATTE RIVER BASIN

61

TUB SPRINGS near Scottsbluff - 1994

LOCATION.--SW1/4SW1/4 Sec. 33-23-55 W., Scotts Bluff County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1948 - present

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge 243 cubic feet per second on May 24, gage height 1.91 feet.
Minimum daily discharge 20 cubic feet per second, June 15, 17.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	33	28	26	22	20	40	26	38	57	57	51	39
2	33	28	24	22	20	39	26	38	55	56	48	39
3	33	29	22	22	20	37	28	37	48	57	49	39
4	33	29	22	24	20	36	29	34	49	58	49	37
5	33	29	21	23	30	37	27	34	50	60	48	37
6	33	28	23	22	37	36	27	37	47	75	49	37
7	33	28	22	22	40	36	38	36	48	63	49	37
8	32	28	21	22	40	35	40	34	49	58	51	37
9	32	28	21	22	33	32	32	35	48	57	51	36
10	31	29	21	22	30	22	31	31	54	55	50	36
11	31	29	21	22	23	22	31	30	54	56	50	36
12	31	28	21	21	20	25	33	32	54	55	50	35
13	31	28	22	21	35	27	35	35	55	57	50	35
14	31	28	21	21	39	23	41	36	56	56	48	35
15	31	28	21	20	43	20	56	36	52	63	48	35
16	33	28	20	20	39	21	60	35	60	59	49	34
17	31	27	20	20	39	20	50	34	62	65	45	34
18	30	27	21	20	39	24	47	35	60	65	41	34
19	30	27	24	20	41	31	54	34	53	61	41	34
20	29	27	24	20	47	42	65	47	53	53	40	34
21	30	26	23	20	49	58	47	53	67	53	40	34
22	30	26	23	20	54	63	42	54	105	53	41	34
23	30	26	23	20	56	59	39	53	102	52	41	34
24	31	26	23	20	76	47	39	46	95	52	41	34
25	31	25	23	20	48	38	43	44	91	52	40	34
26	30	26	22	20	48	32	42	46	89	53	40	34
27	30	25	22	21	48	31	38	45	94	51	39	34
28	29	26	22	21	47	29	35	45	93	49	39	34
29	29	-----	22	21	43	26	35	47	92	49	39	34
30	28	-----	22	20	39	24	37	47	94	49	39	34
31	28	-----	22	-----	39	-----	37	50	-----	50	-----	33
TOTAL	960	767	685	631	1,202	1,012	1,210	1,238	1,986	1,749	1,356	1,093
MEAN	31.0	27.4	22.1	21.0	38.8	33.7	39.0	39.9	66.2	56.4	45.2	35.3
MAX	33	29	26	24	76	63	65	54	105	75	51	39
MIN	28	25	20	20	20	20	26	30	47	49	39	33
AC-FT	1,900	1,520	1,360	1,250	2,380	2,010	2,400	2,460	3,940	3,470	2,690	2,170
YEAR 1994	TOTAL	13,889	MEAN	38.1	MAX	105	MIN	20	AC-FT	27,550		

NORTH PLATTE RIVER BASIN

WINTERS CREEK CANAL from North Platte River - 1994

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

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

PERIOD OF RECORD.--1916, 1918 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	19	30	24	25			
2					0	19	30	24	27			
3					0	19	30	24	24			
4					0	19	30	24	21			
5					8.8	20	31	23	22			
6					14	20	31	23	22			
7					14	19	31	24	22			
8					14	19	33	24	22			
9					14	19	35	25	24			
10					11	19	34	25	26			
11					7.6	19	32	25	26			
12					12	18	31	25	24			
13					17	19	30	25	24			
14					16	19	31	25	24			
15					16	18	29	25	22			
16					16	22	22	24	21			
17					16	23	16	23	22			
18					15	24	19	22	22			
19					15	29	23	22	20			
20					14	27	22	22	18			
21					14	16	22	22	18			
22					14	9.2	25	22	19			
23					14	16	28	22	18			
24					15	27	27	21	18			
25					16	26	27	21	18			
26					16	25	27	21	14			
27					16	27	27	21	12			
28					16	30	27	21	4.6			
29		-----			16	30	26	22	0			
30		-----			17	30	25	24	0			
31		-----		-----	19	-----	24	24	-----		-----	
TOTAL					393.4	646.2	855	719	579.6			
MEAN					12.7	21.5	27.6	23.2	19.3			
MAX					19	30	35	25	27			
MIN					0	9.2	16	21	0			
AC-FT					780	1,280	1,700	1,430	1,150			
YEAR 1994	MEAN	20.9	MAX	35	MIN	0	AC-FT	6,330				

NORTH PLATTE RIVER BASIN

63

WINTERS CREEK CANAL from Winters Creek - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	20	41	47	49			
2					0	19	43	48	47			
3					0	20	46	48	44			
4					0	19	45	46	45			
5					0	19	44	45	43			
6					0	28	47	44	42			
7					0	31	48	43	45			
8					0	26	48	43	44			
9					0	19	39	43	41			
10					.37	19	42	44	40			
11					1.1	24	44	45	42			
12					1.2	26	43	45	43			
13					4.6	25	45	46	38			
14					11	24	44	46	38			
15					13	22	8.6	46	35			
16					17	22	2.9	45	35			
17					19	25	2.6	46	35			
18					19	28	23	46	42			
19					19	30	39	48	43			
20					19	30	42	49	37			
21					19	23	40	47	34			
22					3.8	24	42	44	19			
23					8.7	21	44	45	0			
24					0	29	45	45	9.9			
25					0	32	45	46	22			
26					0	36	44	46	23			
27					0	40	42	46	24			
28					0	40	44	47	15			
29		-----			0	40	46	46	0			
30		-----			11	40	47	45	0			
31		-----		-----	18	-----	46	46	-----		-----	
TOTAL					184.77	801	1,222.1	1,416	974.9			
MEAN					5.96	26.7	39.4	45.7	32.5			
MAX					19	40	48	49	49			
MIN					0	19	2.6	43	0			
AC-FT					366	1,590	2,420	2,810	1,930			
YEAR 1994	MEAN	30.1	MAX	49	MIN	0	AC-FT	9,120				

NORTH PLATTE RIVER BASIN

WINTERS CREEK FACTORY LATERAL from Winters Creek - 1994

LOCATION.--SE1/4NW1/4 Sec. 19-22-54 W. near Scottsbluff

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

PERIOD OF RECORD.--1937 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	11	13
2	0	0	0	0	0	0	0	0	0	0	11	13
3	0	0	0	0	0	0	0	0	0	0	11	14
4	0	0	0	0	0	0	0	0	0	15	11	14
5	0	0	0	0	0	0	0	0	0	15	11	14
6	0	0	0	0	0	0	0	0	0	15	11	14
7	0	0	0	0	0	0	0	0	0	15	11	14
8	0	0	0	0	0	0	0	0	0	15	11	14
9	0	0	0	0	0	0	0	0	0	15	11	14
10	0	0	0	0	0	0	0	0	0	15	11	14
11	0	0	0	0	0	0	0	0	0	15	11	15
12	0	0	0	0	0	0	0	0	0	15	11	15
13	0	0	0	0	0	0	0	0	0	15	11	15
14	0	0	0	0	0	0	0	0	0	15	11	15
15	0	0	0	0	0	0	0	0	0	15	11	15
16	0	0	0	0	0	0	0	0	0	14	11	16
17	0	0	0	0	0	0	0	0	0	14	11	16
18	0	0	0	0	0	0	0	0	0	14	11	16
19	0	0	0	0	0	0	0	0	0	14	11	16
20	0	0	0	0	0	0	0	0	0	14	11	16
21	0	0	0	0	0	0	0	0	0	14	12	16
22	0	0	0	0	0	0	0	0	0	14	12	16
23	0	0	0	0	0	0	0	0	0	14	12	16
24	0	0	0	0	0	0	0	0	0	14	12	16
25	0	0	0	0	0	0	0	0	0	13	12	16
26	0	0	0	0	0	0	0	0	0	12	12	16
27	0	0	0	0	0	0	0	0	0	11	13	16
28	0	0	0	0	0	0	0	0	0	11	13	16
29	0	-----	0	0	0	0	0	0	0	11	13	16
30	0	-----	0	0	0	0	0	0	0	11	13	16
31	0	-----	0	-----	0	-----	0	0	-----	11	-----	16
TOTAL	0	0	0	0	0	0	0	0	0	386	344	469
MEAN	0	0	0	0	0	0	0	0	0	12.5	11.5	15.1
MAX	0	0	0	0	0	0	0	0	0	15	13	16
MIN	0	0	0	0	0	0	0	0	0	0	11	13
AC-FT	0	0	0	0	0	0	0	0	0	766	682	930
YEAR 1994	MEAN	3.28	MAX	16	MIN	0	AC-FT	2,380				

NORTH PLATTE RIVER BASIN

65

CENTRAL CANAL from North Platte River - 1994

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1919 - present

REMARKS.--E indicates estimated daily discharge - no gage height record

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	24	24	26	15	17	7.0E	
2					0	23	24	27	21	18	7.0E	
3					0	24	24	26	20	14	7.0E	
4					0	21	23	24	19	12	7.0E	
5					0	26	21	25	20	14	7.0E	
6					0	26	18	27	21	12 E	7.0E	
7					0	24	15	27	22	13 E	7.0E	
8					0	22	16	27	20	13 E	7.0E	
9					0	22	17	27	17	13 E	7.0E	
10					0	24	18	27	19	12 E	7.0E	
11					2.0	13	24	27	21	12 E	7.0E	
12					12	20	27	29	20	10 E	7.0E	
13					7.7	26	27	28	17	7.0E	7.0E	
14					1.1	24	28	27	16	7.0E	7.0E	
15					1.5	26	17	27	15	7.0E	7.0E	
16					6.0	26	5.9	26	16	7.0E	3.0E	
17					8.2	25	5.7	25	17	7.0E	0	
18					5.1	25	16	23	17	7.0E	0	
19					3.7	32	20	23	18	7.0E	0	
20					15	23	20	23	19	7.0E	0	
21					26	7.5	22	24	12	7.0E	0	
22					27	8.1	21	24	20	7.0E	0	
23					27	15	21	23	13	7.0E	0	
24					23	26	22	23	4.8	7.0E	0	
25					21	28	26	23	4.7	7.0E	0	
26					22	28	28	23	7.0	7.0E	0	
27					21	29	28	24	16	7.0E	0	
28					24	28	27	25	15	7.0E	0	
29		-----			27	27	25	25	15	7.0E	0	
30		-----			26	26	27	26	16	7.0E	0	
31		-----		-----	26	-----	27	16	-----	7.0E	-----	
TOTAL					332.3	698.6	664.6	777	493.5	293.0	108.0	
MEAN					10.7	23.3	21.4	25.1	16.5	9.45	3.60	
MAX					27	32	28	29	22	18	7.0	
MIN					0	7.5	5.7	16	4.7	7.0	0	
AC-FT					659	1,390	1,320	1,540	979	581	214	
YEAR 1994	MEAN	15.7	MAX	32	MIN	0	AC-FT	6,680				

NORTH PLATTE RIVER BASIN

WINTERS CREEK near Scottsbluff - 1994

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1931 - present

REMARKS.--E indicated estimated daily discharge.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 324 cubic feet per second September 23, gage height 4.56 feet.
 Minimum daily discharge 14 cubic feet per second July 2.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	40	31	35	29	33	50	16	49	74E	91	63	57
2	40	31	34	30	33	50	14	54	74E	81	62	56
3	40	31	32	32	33	52	15	58	76E	80	63	56
4	40	31	32	33	32	55	16	56	78E	79	62	56
5	39	31	32	35	32	54	16	55	78	82	62	56
6	38	31	39	37	40	55	18	54	69	92E	60	54
7	38	31	36	37	52	56	33	53	67	78E	61	51
8	38	31	35	37	51	63	56	51	67	76E	60	51
9	38	31	33	36	38	57	68	53	64	74E	61	51
10	37	31	32	36	38	57	46	55	62	72E	61	51
11	37	31	32	35	31	53	36	55	61	70E	60	51
12	37	32	31	35	24	49	33	55	64	69	60	49
13	37	33	32	35	27	48	36	57	66	71	60	49
14	37	32	32	35	30	45	45	56	76	73	58	49
15	37	33	36	34	165	42	152	56	87	75	59	49
16	37	34	32	34	113	38	129	55	80	73	58	49
17	36	34	31	34	38	37	136	57	81	76	57	49
18	36	33	31	34	29	36	113	52	82	75	59	48
19	36	33	30	34	29	34	93	55	121	72	62	48
20	36	33	29	33	29	49	83	62	167	70	63	47
21	36	32	29	33	29	59	77	65	174	71	63	47
22	35	32	29	37	30	56	62	63	211	72	59	47
23	35	33	29	36	29	51	53	64E	314	71	57	47
24	35	33	30	34	163	53	54	64E	201	71	57	46
25	35	33	30	33	96	47	53	66E	101	69	57	46
26	35	34	29	34	48	44	51	66E	89	68	57	46
27	35	34	29	34	40	38	51	68E	86	68	56	45
28	34	34	29	34	39	38	51	68E	101	67	57	45
29	34	-----	29	33	42	28	51	70E	102	66	58	45
30	33	-----	29	33	47	22	51	70E	103	66	57	45
31	32	-----	30	-----	47	-----	51	72E	-----	66	-----	45
TOTAL	1,133	903	978	1,026	1,507	1,416	1,759	1,834	3,076	2,284	1,789	1,531
MEAN	36.5	32.3	31.5	34.2	48.6	47.2	56.7	59.2	103	73.7	59.6	49.4
MAX	40	34	39	37	165	63	152	72	314	92	63	57
MIN	32	31	29	29	24	22	14	49	61	66	56	45
AC-FT	2,250	1,790	1,940	2,040	2,990	2,810	3,490	3,640	6,100	4,530	3,550	3,040
YEAR 1994	TOTAL	19,236	MEAN	52.7	MAX	314	MIN	14	AC-FT	38,150		

NORTH PLATTE RIVER BASIN

67

MINATARE CANAL from North Platte River - 1994

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1919 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	16	46	76	84	70	48		
2				0	13	46	79	85	66	44		
3				0	23	44	82	88	66	42		
4				0	24	42	82	88	64	44		
5				0	23	42	83	87	63	42		
6				0	23	41	84	86	62	43		
7				0	23	43	82	86	61	41		
8				0	23	50	81	86	60	41		
9				0	23	48	82	85	59	34		
10				0	20	51	82	86	59	27		
11				0	17	53	83	87	59	21		
12				0	25	52	85	89	60	16		
13				0	44	54	86	90	60	14		
14				0	46	54	90	89	61	12		
15				0	53	54	80	91	61	9.5		
16				0	51	57	63	91	61	0		
17				0	52	58	60	89	61	0		
18				0	56	62	64	88	61	0		
19				0	57	74	68	86	60	0		
20				0	55	74	67	86	59	0		
21				0	54	67	68	88	60	0		
22				0	55	65	70	89	59	0		
23				0	55	62	72	89	59	0		
24				0	54	60	75	88	58	0		
25				0	48	58	77	87	55	0		
26				0	47	58	79	87	54	0		
27				13	47	63	80	86	53	0		
28				36	45	68	82	87	52	0		
29		-----		27	46	69	84	89	51	0		
30		-----		16	46	73	84	88	50	0		
31		-----		-----	46	-----	83	81	-----	0	-----	
TOTAL				92	1,210	1,688	2,413	2,706	1,784	478.5		
MEAN				3.07	39.0	56.3	77.8	87.3	59.5	15.4		
MAX				36	57	74	90	91	70	48		
MIN				0	13	41	60	81	50	0		
AC-FT				182	2,400	3,350	4,790	5,370	3,540	949		
YEAR 1994	MEAN	48.5	MAX	91	MIN	0	AC-FT	20,570				

NORTH PLATTE RIVER BASIN

GERING CREEK near Gering - 1994

LOCATION.--SE1/4NE1/4 Sec. 6-21-54 W.

GAGE.--Continuous stage recorder

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

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

E indicated estimated daily discharge.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 9,560 cubic feet per second June 8, 1958, gage height 18.3 ft. from HWM.
Minimum daily discharge 5.0 cubic feet per second August 13, 16, 19, 1940.EXTREMES FOR CURRENT YEAR.--Peak discharge 6,210 cubic feet per second July 15, gage height 15.85 ft.
Minimum daily discharge 17 cubic feet per second on April 13, 17, 18, May 6 - 10, 12 - 14.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	26	21	22	19	18	139	92	90	163	35	26	24
2	26	21	22	19	18	142	83	90	156	32	27	24
3	27	20	23	19	18	150	101	92	157	33	28	25
4	26	19	24	19	18	151	101	95	166	33	28	25
5	25	19	24	19	18	142	95	93	161	35	28	25
6	25	19	24	18	17	117	134	97	165	52	27	25
7	25	20	24	18	17	113	248	96	167	35	27	24
8	25	20	24	18	17	278	217	92	158	27	30	23
9	25	20	23	18	17	142	196	93	147	27	30	23
10	25	20	23	18	17	129	188	91	145	29	29	23
11	25	20	23	18	18	130	166	92	138	30	28	23
12	25	20	23	18	17	130	138	90	135	27	28	23
13	25	20	22	17	17	117	128	93	130	27	29	23
14	25	20	22	18	17	105	152	90	130	26	27	22
15	25	20	22	18	40E	109	1,340	92	134	31	27	22
16	25	20	22	18	70E	121	282	93	160	29	28	21
17	25	20	22	17	100E	122	247	96	165	39	27	21
18	25	20	22	17	135E	111	183	95	133	30	27	21
19	25	20	21	18	130E	132	152	95	97	27	27	22
20	25	21	21	18	135E	319	177	97	82	27	27	22
21	25	21	21	18	140E	249	162	101	74	26	27	22
22	25	21	21	18	150E	401	144	102	70	26	26	22
23	25	21	21	18	150E	199	120	104	84	26	26	23
24	24	21	21	18	150E	184	106	105	83	26	26	22
25	24	21	20	18	140E	155	97	101	45	27	26	22
26	23	21	20	18	121	160	93	99	33	26	26	22
27	23	21	20	18	120	155	88	102	32	25	26	22
28	23	22	20	18	127	132	86	108	33	24	26	22
29	23	-----	20	18	135	130	90	110	32	26	25	22
30	22	-----	20	18	133	111	89	114	32	26	24	23
31	22	-----	19	-----	137	-----	89	131	-----	27	-----	23
TOTAL	764	569	676	542	2,357	4,775	5,584	3,039	3,407	916	813	706
MEAN	24.6	20.3	21.8	18.1	76.0	159	180	98.0	114	29.5	27.1	22.8
MAX	27	22	24	19	150	401	1,340	131	167	52	30	25
MIN	22	19	19	17	17	105	83	90	32	24	24	21
AC-FT	1,520	1,130	1,340	1,080	4,680	9,470	11,080	6,030	6,760	1,820	1,610	1,400
YEAR 1994	TOTAL	24,148	MEAN	66.2	MAX	1,340	MIN	17	AC-FT	47,900		

NORTH PLATTE RIVER BASIN

69

CASTLE ROCK - STEAMBOAT CANAL from North Platte River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	67	89	92	79	43		
2					0	72	87	92	75	43		
3					0	74	86	94	71	44		
4					0	72	85	87	69	44		
5					0	41	87	85	69	42		
6					0	38	85	84	73	39		
7					0	48	85	84	73	36		
8					0	49	84	82	72	35		
9					0	46	85	82	72	9.2		
10					0	46	84	86	71	0		
11					0	47	83	84	64	0		
12					17	52	86	85	64	0		
13					41	52	94	90	69	0		
14					51	51	95	87	70	0		
15					56	48	60	83	65	0		
16					57	52	28	85	53	0		
17					55	55	29	82	40	0		
18					61	62	38	85	38	0		
19					78	71	49	89	36	0		
20					86	70	49	87	35	0		
21					88	64	47	86	45	0		
22					93	78	69	83	49	0		
23					90	66	84	81	51	0		
24					85	66	89	80	46	0		
25					79	79	84	84	44	0		
26					74	91	89	85	46	0		
27					69	90	92	84	46	0		
28					63	92	92	86	46	0		
29		-----			62	96	93	86	46	0		
30		-----			61	93	93	85	43	0		
31		-----		-----	60	-----	92	82	-----	0	-----	
TOTAL					1,326	1,928	2,392	2,647	1,720	335.2		
MEAN					42.8	64.3	77.2	85.4	57.3	10.8		
MAX					93	96	95	94	79	44		
MIN					0	38	28	80	35	0		
AC-FT					2,630	3,820	4,740	5,250	3,410	665		
YEAR 1994	MEAN	56.2	MAX	96	MIN	0	AC-FT	20,530				

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER near Minatare - 1994

LOCATION.--Main channel gage: SW1/4SW1/4 Sec. 18-21-53 W., Nine Mile channel gage: NE1/4SE1/4 Sec. 13-21-54 W.

GAGE.--Continuous stage recorders operated on Main and Nine Mile channels

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.
E indicates estimated daily discharge.EXTREMES FOR PERIOD OF RECORD.--Peak discharge 19,500 cubic feet per second July 2, 1917.
Peak since reservoir construction 14,900 cubic feet per second June 2, 1971.
Minimum daily discharge 11 cubic feet per second August 16 - 18, 1940.EXTREMES FOR CURRENT YEAR.--Peak discharge 4,630 cubic feet per second July 15, combined channel flow.
Minimum daily discharge 287 cubic feet per second estimated May 13.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	707	578	745	550E	554	534	472	503	678	997	935	745
2	708	561	715	550E	549	522	408	514	762	981	931	753
3	715	544	711	550E	521	530	379	533	792	973	923	747
4	712	535	709	550E	480E	552	383	540	787	967	919	749
5	711	537	700	550E	469	627	389	513	763	979	915	734
6	711	556	696	540E	450E	604	417	510	751	1,160	909	728
7	713	586	690	535	475	549	572	495	716	1,140	908	721
8	707	603	692	588	476	694	714	467	708	1,110	916	719
9	703	616	683	532	467	586	771	449	678	1,090	918	721
10	696	613	682	530	411E	520	697	432	650	1,070	911	711
11	693	622	674	532	369E	485	627	427	643	1,070	902	703
12	691	640	659	529	301E	450	506	430	642	1,070	896	699
13	683	651	658	525	287E	436	435	469	638	1,060	910	697
14	683	659	651	513	559	398	490	492	654	1,060	892	698
15	685	689	648	514	832	357	2,260	498	681	1,080	877	698
16	680	692	641	517	896	348	1,820	485	695	1,140	880	692
17	684	704	637	511	711	352	1,730	469	716	1,150	857	696
18	682	707	633	501	581	346	1,660	451	693	1,170	832	704
19	679	717	628	500E	474	411	1,390	439	681	1,120	820	709
20	673	726	620	515E	423	710	1,280	456	733	1,080	814	700
21	668	729	615	570	413	1,170	1,160	475	788	1,060	804	695
22	664	736	587	515	378	1,610	962	494	884	1,040	789	695
23	658	740	570E	563	385	1,190	742	496	1,050	1,030	781	696
24	658	729	570E	541	673	992	644	477	1,200	1,010	779	696
25	655	735	570E	531	699	861	593	457	1,120	999	774	694
26	650	734	570E	558	567	759	579	448	1,070	990	769	695
27	648	739	560E	553	535	691	570	445	1,020	980	759	694
28	623	741	560E	551	523	618	555	460	1,010	966	738	692
29	610	-----	560E	560	526	575	524	501	989	957	740	692
30	597	-----	560E	560	527	547	508	550	980	950	736	696
31	589	-----	560E	-----	529	-----	502	599	-----	945	-----	690
TOTAL	20,936	18,419	19,754	16,134	16,040	19,024	24,739	14,974	24,172	32,394	25,534	21,959
MEAN	675	658	637	538	517	634	798	483	806	1,045	851	708
MAX	715	741	745	588	896	1,610	2,260	599	1,200	1,170	935	753
MIN	589	535	560	500	287	346	379	427	638	945	736	690
AC-FT	41,530	36,530	39,180	32,000	31,820	37,730	49,070	29,700	47,950	64,250	50,650	43,560
YEAR 1994	TOTAL	254,079	MEAN	696	MAX	2,260	MIN	287	AC-FT	504,000		

NORTH PLATTE RIVER BASIN

71

NINE MILE CANAL from North Platte River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	20	9.1	19	30	2.0		
2					0	19	12	20	26	.88		
3					0	19	22	19	25	.12		
4					0	19	22	17	25	1.8		
5					0	21	23	15	24	2.4		
6					0	20	21	15	23	14		
7					0	19	25	16	20	11		
8					0	20	27	17	19	8.2		
9					0	19	27	17	16	4.4		
10					0	20	27	16	14	.68		
11					0	22	27	15	15	.04		
12					0	19	25	15	18	0		
13					0	18	23	18	18	0		
14					18	18	21	23	18	0		
15					18	26	35	23	18	0		
16					17	27	21	21	17	0		
17					20	27	20	20	17	0		
18					25	26	17	21	15	0		
19					21	27	15	22	15	0		
20					20	29	15	22	14	0		
21					22	20	13	24	14	0		
22					23	27	11	25	13	0		
23					26	44	3.5	24	10	0		
24					25	23	4.0	23	8.9	0		
25					19	21	4.4	23	7.6	0		
26					15	17	14	23	7.5	0		
27					17	12	18	23	7.4	0		
28					17	9.4	19	23	7.0	0		
29		-----			21	14	17	25	5.9	0		
30		-----			21	14	17	26	5.0	0		
31		-----		-----	20	-----	16	28	-----	0	-----	
TOTAL					365	636.4	571.0	638	473.3	45.52		
MEAN					11.8	21.2	18.4	20.6	15.8	1.47		
MAX					26	44	35	28	30	14		
MIN					0	9.4	3.5	15	5.0	0		
AC-FT					724	1,260	1,130	1,270	939	90		
YEAR 1994	MEAN	14.8	MAX	44	MIN	0	AC-FT	5,410				

NORTH PLATTE RIVER BASIN

NINE MILE CANAL from Ninemile Creek - 1994

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

GAGE.--Continuous recorder

PERIOD OF RECORD.--1988 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	34	35	36	68	61	54		
2				0	35	37	50	68	66	52		
3				0	35	37	56	66	62	51		
4				0	34	39	64	68	61	50		
5				0	35	41	63	68	61	51		
6				0	36	43	68	68	61	57		
7				0	36	44	68	69	60	54		
8				0	37	43	73	69	59	52		
9				0	38	39	72	69	59	28		
10				0	38	38	69	69	58	9.7		
11				0	39	41	69	68	56	8.4		
12				0	32	45	69	68	55	.44		
13				0	34	49	70	69	55	0		
14				0	38	45	77	69	56	0		
15				3.7	51	40	68	70	54	0		
16				3.6	50	41	58	69	54	0		
17				3.6	40	41	64	70	56	0		
18				10	36	42	66	69	60	0		
19				22	37	42	65	69	61	0		
20				25	37	41	68	68	61	0		
21				25	38	38	68	67	62	0		
22				30	40	35	65	67	62	0		
23				34	40	41	66	68	63	0		
24				34	46	41	67	67	63	0		
25				34	40	34	68	65	58	0		
26				35	39	33	69	61	57	0		
27				35	38	33	70	61	57	0		
28				35	34	34	69	62	57	0		
29		-----		35	34	36	68	63	55	0		
30		-----		35	33	36	67	61	54	0		
31		-----		-----	34	-----	68	56	-----	0	-----	
TOTAL				399.9	1,168	1,184	2,038	2,069	1,764	467.54		
MEAN				13.3	37.7	39.5	65.7	66.7	58.8	15.1		
MAX				35	51	49	77	70	66	57		
MIN				0	32	33	36	56	54	0		
AC-FT				793	2,320	2,350	4,040	4,100	3,500	927		
YEAR 1994	MEAN	42.5	MAX	77	MIN	0	AC-FT	18,030				

NORTH PLATTE RIVER BASIN

73

NINE MILE CREEK near McGrew - 1994

LOCATION.--SE1/4SE1/4 Sec. 23-21-53 W., Scotts Bluff County

PERIOD OF RECORD.--1932 - present

GAGE.--Continuous stage recorder

REMARKS.--Published by the U. S. Geological Survey up to October 1, 1979.
E indicates estimated daily discharge.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge 532 cubic feet per second May 24, gage height 4.37 ft.
Minimum daily discharge 14 cubic feet per second, May 4.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	77	58	57	52	16	68	66	139	192	150E	105	85
2	76	59	57	51	15	69	64	205	229	150E	105	86
3	75	59	56	51	14	69	70	194	185	150E	105	90
4	74	58	55	53	14	70	80	189	179	150E	105	85
5	74	58	54	55	15	68	71	181	172	150E	105	82
6	72	57	57	54	15	66	75	179	172	140E	105	81
7	70	57	60	53	15	64	125	176	165	127	105	79
8	70	58E	59	52	15	76	148	169	157	123	106	78
9	70	58E	57	53	14	95	148	163	154	135	107	79
10	70	58E	56	53	14	80	122	151	145	135	107	79
11	70	58E	56	53	18	80	114	148	143	129	107	77
12	70	58E	56	53	17	90	107	147	138	127	107	75
13	70	58E	55	52	17	103	120E	150	133	127	107	75
14	70	58E	54	53	28	71	150E	157	162	126	106	75
15	70	58E	54	52	79	61	250E	163	156	129	106	76
16	69	58E	54	51	87	59	206	161	161	129	107	79
17	68	58E	54	51	49	54	223	163	163	131	106	79
18	68	58E	53	49	25	53	224	169	191	130	99	78
19	69	58E	53	39	27	55	213	181	191	126	96	79
20	68	58E	53	25	26	68	229	178	187	123	95	79
21	68	58E	53	26	30	81	209	174	195	119	96	78
22	67	58E	53	21	37	84	172	187	202	116	96	77
23	67	58E	50	20	43	115	159	190E	209	114	95	75
24	65	58E	49	18	192	110	153	186	210	114	95	74
25	65	59	49	17	120	81	153	164	168	112	93	74
26	64	59	49	18	111	78	151	151	160	111	91	74
27	63	58	49	19	97	75	145	153	154	107	90	74
28	61	57	49	18	68	77	143	156	155E	105	90	78
29	61	-----	51	18	66	82	135	159	155E	106	89	79
30	60	-----	53	17	66	79	123	158	155E	107	87	80
31	59	-----	52	-----	62	-----	126	161	-----	106	-----	81
TOTAL	2,120	1,625	1,667	1,197	1,412	2,281	4,474	5,202	5,138	3,904	3,013	2,440
MEAN	68.4	58.0	53.8	39.9	45.5	76.0	144	168	171	126	100	78.7
MAX	77	59	60	55	192	115	250	205	229	150	107	90
MIN	59	57	49	17	14	53	64	139	133	105	87	74
AC-FT	4,210	3,220	3,310	2,370	2,800	4,520	8,870	10,320	10,190	7,740	5,980	4,840
YEAR 1994	TOTAL	34,473	MEAN	94.4	MAX	250	MIN	14	AC-FT	68,380		

NORTH PLATTE RIVER BASIN

SHORT LINE CANAL from North Platte River - 1994

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

GAGE---Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916, 1920 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	13	32	31	33	37	23		
2				0	12	31	32	34	44	21		
3				0	12	29	38	30	37	20		
4				0	11	24	44	30	35	21		
5				0	11	15	39	29	34	22		
6				0	12	14	38	29	33	21		
7				0	11	12	37	30	32	9.0		
8				0	11	20	42	29	32	0		
9				0	11	6.9	40	31	32	0		
10				0	11	8.5	32	30	30	0		
11				0	16	16	30	40	30	0		
12				0	21	18	30	37	30	0		
13				0	21	23	32	34	29	0		
14				0	31	11	30	25	33	0		
15				0	50	26	25	26	32	0		
16				0	30	37	20	26	34	0		
17				0	28	33	23	26	34	0		
18				0	26	34	15	25	39	0		
19				0	27	35	1.5	27	38	0		
20				.47	26	36	1.5	31	37	0		
21				9.7	29	39	1.3	42	38	0		
22				12	35	44	1.5	44	40	0		
23				11	32	41	1.5	44	34	0		
24				10	40	29	1.5	35	29	0		
25				14	43	31	14	28	26	0		
26				16	35	28	37	27	25	0		
27				15	23	31	36	27	24	0		
28				15	18	39	34	28	25	0		
29		-----		15	31	36	33	29	23	0		
30		-----		14	27	36	30	29	22	0		
31		-----		-----	26	-----	30	30	-----	0	-----	
TOTAL				132.17	730	815.4	800.8	965	968	137.0		
MEAN				4.41	23.5	27.2	25.8	31.1	32.3	4.42		
MAX				16	50	44	44	44	44	23		
MIN				0	11	6.9	1.3	25	22	0		
AC-FT				262	1,450	1,620	1,590	1,910	1,920	272		
YEAR 1994	MEAN	21.3	MAX	50	MIN	0	AC-FT	9,020				

NORTH PLATTE RIVER BASIN

75

CHIMNEY ROCK CANAL from North Platte River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	6.3	62	69	58	57	46		
2				0	6.8	63	82	59	56	46		
3				0	7.3	63	71	58	48	46		
4				0	19	58	68	57	49	46		
5				0	25	54	71	56	48	46		
6				0	26	50	71	55	48	47		
7				0	34	55	64	54	48	38		
8				0	39	52	71	54	48	34		
9				0	37	49	63	54	48	25		
10				0	28	45	66	53	58	18		
11				0	17	45	70	52	54	16		
12				0	8.8	44	76	52	54	16		
13				0	13	42	71	52	54	17		
14				0	35	41	62	52	53	18		
15				0	56	40	36	52	51	17		
16				0	51	42	29	54	50	18		
17				0	55	46	39	55	50	17		
18				0	53	53	35	55	47	18		
19				0	40	52	25	56	15	18		
20				0	48	55	28	56	24	18		
21				0	49	52	31	57	38	18		
22				0	48	53	33	58	44	10		
23				0	51	51	35	58	47	0		
24				0	50	52	46	58	47	0		
25				0	51	53	54	56	45	0		
26				0	48	54	55	53	44	0		
27				9.0	48	53	60	53	45	0		
28				10	48	53	61	59	48	0		
29		-----		10	52	56	59	60	47	0		
30		-----		6.4	56	54	59	61	46	0		
31		-----		-----	61	-----	59	57	-----	0	-----	
TOTAL				35.4	1,167.2	1,542	1,719	1,724	1,411	593		
MEAN				1.18	37.7	51.4	55.5	55.6	47.0	19.1		
MAX				10	61	63	82	61	58	47		
MIN				0	6.3	40	25	52	15	0		
AC-FT				70	2,320	3,060	3,410	3,420	2,800	1,180		
YEAR 1994	MEAN	38.3	MAX	82	MIN	0	AC-FT	16,250				

NORTH PLATTE RIVER BASIN

BAYARD CREEK near Bayard - 1994

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1931 - present

REMARKS.--E indicates estimated daily discharge

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge 126 cubic feet per second on June 29, gage height 2.15 feet.
 Minimum daily discharge, 0.56 cubic feet per second on April 27 & 28.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	17	13	16E	14	.77	6.4	3.8	32	15	32	23	17E
2	18	13	16E	6.0	.77	5.7	5.2	38	16	33	23	17E
3	18	14	16E	1.7	.86	4.9	4.2	44	16	28	23	18E
4	18	13	16E	1.6	.95	5.1	3.2	44	16	28	22	17E
5	18	13	15	1.6	.95	4.5	3.0	37	16	33	22	18E
6	16	13	19	1.5	.95	3.6	3.8	39	21	69	24	17E
7	14	13	19	1.5	.95	3.5	16	40	24	63	23	17E
8	14	12	18	1.7	.95	24	22	43	24	60	23	19
9	14	12	18	1.9	.95	21	18	44	16	59	23	17
10	14	12	18	2.0	1.1	5.0	11	41	16	31	22	16
11	14	12	18	1.8	1.0	4.5	6.3	40	13	25	21	17
12	14	14	17	.97	1.1	3.8	4.9	41	12	23	21	16
13	14	15	17	.78	1.1	3.5	5.1	41	12	22	20	16
14	14	15	18	.68	1.4	2.5	9.8	40	12	21	20	15
15	14	15	18	.65	1.2	2.7	104	39	13	25	19	16
16	14	15	18	1.0	2.2	4.2	110	41	11	27	19	16
17	14	16	19	1.3	1.9	2.7	111	39	9.4	27	18	16
18	14	16	19	1.2	3.4	4.2	93	36	10	28	17	16
19	14	15	20	.71	5.8	4.3	74	38	11	21	17E	15
20	14	15	18	.77	3.6	5.2	72	39	12	19	17E	15
21	14	16	16	.81	2.8	5.8	61	38	13	22	17E	15
22	14	16	15	.83	2.8	5.7	55	39	18	22	17E	14
23	14	16	15	.83	3.2	6.5	52	47	18	22	16E	15
24	14	15	16	.85	19	5.5	47	48	9.5	23	17E	14
25	14	15e	15	.83	7.5	4.8	42	34	8.2	23	17E	16
26	14	15a	16	.83	5.3	5.4	54	23	21	23	18E	17
27	15	15a	16	.86	3.6	4.9	50	20	21	23	17E	17
28	15	15a	16	.74	2.2	4.7	44	16	25	22	17E	18
29	15	-----	15	.74	2.5	3.2	38	16	25	23	18E	17
30	14	-----	15	.77	2.7	3.1	38	16	25	24	17E	18
31	13	-----	15	-----	3.1	-----	35	16	-----	24	-----	17
TOTAL	457	399	523	51.45	86.60	170.9	1,196.3	1,109	479.1	925	588	509
MEAN	14.7	14.3	16.9	1.72	2.79	5.70	38.6	35.8	16.0	29.8	19.6	16.4
MAX	18	16	20	14	19	24	111	48	25	69	24	19
MIN	13	12	15	.65	.77	2.5	3.0	16	8.2	19	16	14
AC-FT	906	791	1,040	102	172	339	2,370	2,200	950	1,830	1,170	1,010
YEAR 1994	TOTAL	6,494.35	MEAN	17.8	MAX	111	MIN	.65	AC-FT	12,880		

NORTH PLATTE RIVER BASIN

77

ALLIANCE CANAL from Bayard Creek - 1994

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

GAGE.--Continuous stage recorder and metal flume

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	19	33	33	16	36	0		
2				0	19	34	35	20	37	0		
3				0	21	33	35	21	35	0		
4				0	20	31	33	15	36	0		
5				0	13	28	31	12	36	3.6		
6				0	14	20	33	12	38	13		
7				4.9	17	17	41	12	38	0		
8				11	15	13	38	13	36	0		
9				10	18	9.9	35	12	33	0		
10				11	21	17	33	11	32	0		
11				11	20	20	35	11	29	0		
12				11	22	20	32	11	30	0		
13				11	21	21	32	11	30	0		
14				12	21	17	40	11	30	0		
15				15	17	22	25	11	34	0		
16				18	22	31	5.9	11	33	0		
17				21	22	21	5.3	12	30	0		
18				23	25	29	5.6	12	32	0		
19				24	27	31	4.3	13	32	0		
20				26	26	32	3.9	14	33	0		
21				26	24	34	4.1	14	33	0		
22				26	24	33	3.2	14	36	0		
23				26	27	35	2.5	17	36	0		
24				27	36	33	4.0	17	28	0		
25				28	29	35	14	23	24	0		
26				28	27	38	17	28	14	0		
27				29	25	37	11	33	0	0		
28				27	21	34	8.6	28	0	0		
29		-----		19	23	30	8.3	26	0	0		
30		-----		19	23	32	10	29	0	0		
31		-----		-----	26	-----	14	32	-----	0	-----	
TOTAL				463.9	685	820.9	632.7	522	841	16.6		
MEAN				15.5	22.1	27.4	20.4	16.8	28.0	.54		
MAX				29	36	38	41	33	38	13		
MIN				0	13	9.9	2.5	11	0	0		
AC-FT				920	1,360	1,630	1,250	1,040	1,670	33		
YEAR 1994	MAX	41	MIN	0	AC-FT	7,900						

NORTH PLATTE RIVER BASIN

RED WILLOW CREEK near Bayard - 1994

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1931 - present

REMARKS.--E indicates estimated daily discharge.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,060 cubic feet per second on July 15 at gage height 6.31 feet.
 Minimum daily discharge 29 cubic feet per second on April 17.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	67	60	58	49	58E	87	74	113	198	102	95	79
2	67	59	58	49	58E	84	72	129	200	100	95	79
3	67	60	59	49	52E	74	69	136	194	98	94	79
4	67	59	57	49	45E	76	71	132	198	98	94	78
5	68	61	52	49	47E	76	74	130	209	105	93	75
6	68	61	55	48	47	74	88	139	158	184	92	75
7	68	61	51	48	49	68	130	141	177	151	91	73
8	68	60	50	50	47	145E	137	136	176	129	92	73
9	68	62	51	50E	48	125E	137	129	180	117	93	72
10	67	65	52	46E	39	100E	133	114	179	114	93	72
11	67	66	52E	44E	33	102	122	109	161	111	92	72
12	67	66	52E	40E	34	114	110	105	159	109	92	72
13	67	65	52	38E	124	103	97	105	166	107	89	72
14	67	66	50	35E	169	83	121	113	175	107	87	73
15	66	65	51	32E	218	74	370E	119	174	111	87	73
16	67	67	52	31	160	68	230E	115	161	111	88	73
17	68	64	52	29	98	71	320E	113	177	112	87	73
18	68	60	52	31	182	122	320E	116	190	114	84	73
19	68	61	52	31	162	133	200E	115	186	107	84	73
20	69	63	50	34E	126	130	185E	119	195	104	84	72
21	69	63	49	36E	113	125	180E	119	189	103	82	72
22	70	62	50	42E	118	177	165E	128	189	101	80	71
23	71	60	50	44E	111	170	140E	123	185	101	81	71
24	71	60	50	48E	154	109	130E	120	195	102	81	71
25	71	59	49	52E	250E	90	125E	121	133	99	82	70
26	71	59	49	54E	150E	78	135E	123	112	99	81	70
27	70	58	49	56E	100E	78	140E	125	107	99	80	70
28	65	58	49	58E	90E	88E	118	138	106	97	80	70
29	61	-----	50	58E	90E	94E	105	157	107	95	79	71
30	63	-----	50	58E	88E	73	103	163	104	95	79	72
31	63	-----	50	-----	88E	-----	109	174	-----	95	-----	71
TOTAL	2,094	1,730	1,603	1,338	3,148	2,991	4,510	3,919	5,040	3,377	2,611	2,260
MEAN	67.5	61.8	51.7	44.6	102	99.7	145	126	168	109	87.0	72.9
MAX	71	67	59	58	250	177	370	174	209	184	95	79
MIN	61	58	49	29	33	68	69	105	104	95	79	70
AC-FT	4,150	3,430	3,180	2,650	6,240	5,930	8,950	7,770	10,000	6,700	5,180	4,480
YEAR 1994	TOTAL	34,621	MEAN	94.9	MAX	370	MIN	29	AC-FT	68,670		

NORTH PLATTE RIVER BASIN

79

ALLIANCE CANAL from Red Willow Creek - 1994

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

GAGE.--Continuous stage recorder and concrete box

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	19	35	45	52	44	31		
2				0	18	31	46	56	45	31		
3				0	18	48	41	52	40	31		
4				0	18	59	44	52	44	33		
5				0	18	51	42	57	37	34		
6				0	19	41	38	62	36	16		
7				0	18	38	24	61	38	8.7		
8				0	18	19	32	57	45	6.2		
9				0	18	1.8	30	54	36	3.4		
10				0	18	15	30	50	36	0		
11				0	20	43	35	52	41	0		
12				0	20	38	38	47	36	0		
13				6.7	31	36	40	53	41	0		
14				15	50	32	42	51	46	0		
15				18	46	48	6.7	45	37	0		
16				13	45	30	2.4	40	34	0		
17				0	52	37	2.1	42	43	0		
18				5.6	47	49	5.5	45	39	0		
19				17	46	34	42	43	37	0		
20				16	43	42	43	44	41	0		
21				17	46	34	44	48	34	0		
22				17	46	46	40	49	35	0		
23				17	47	46	39	42	35	0		
24				16	39	55	36	47	43	0		
25				16	46	51	44	46	27	0		
26				18	49	37	49	50	33	0		
27				18	45	44	44	45	30	0		
28				18	35	60	45	55	33	0		
29		-----		19	37	53	45	46	32	0		
30		-----		19	38	50	41	49	29	0		
31		-----		-----	31	-----	40	48	-----	0	-----	
TOTAL				266.3	1,041	1,203.8	1,095.7	1,540	1,127	194.3		
MEAN				8.88	33.6	40.1	35.3	49.7	37.6	6.27		
MAX				19	52	60	49	62	46	34		
MIN				0	18	1.8	2.1	40	27	0		
AC-FT				528	2,060	2,390	2,170	3,050	2,240	385		
YEAR 1994	MEAN	30.2	MAX	62	MIN	0	AC-FT	12,830				

NORTH PLATTE RIVER BASIN

BELMONT CANAL from North Platte River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	61	88	107	100	91	81		
2				0	59	92	106	106	91	81		
3				0	58	92	107	106	88	81		
4				0	54	93	107	106	86	71		
5				0	52	90	104	105	87	11		
6				0	62	89	105	104	87	0		
7				0	116	88	113	103	88	0		
8				0	94	89	109	102	91	0		
9				0	74	89	109	102	90	0		
10				0	67	87	106	102	88	0		
11				0	77	89	103	102	87	0		
12				0	80	89	102	102	86	0		
13				0	92	89	103	101	89	0		
14				0	109	95	104	104	90	0		
15				0	97	89	115	104	89	0		
16				0	88	85	115	105	87	0		
17				0	87	90	107	105	86	0		
18				0	87	95	105	105	86	0		
19				0	85	95	103	104	86	0		
20				0	86	95	104	101	92	0		
21				0	89	97	103	101	91	0		
22				0	89	92	93	103	89	0		
23				0	90	89	90	97	89	0		
24				0	94	88	88	90	89	0		
25				0	100	90	89	88	86	0		
26				0	98	105	91	87	84	0		
27				0	92	111	84	87	82	0		
28				23	89	112	83	87	81	0		
29		-----		53	93	114	88	88	81	0		
30		-----		72	94	111	88	89	81	0		
31		-----		-----	87	-----	90	91	-----	0	-----	
TOTAL				148	2,600	2,817	3,121	3,077	2,618	325		
MEAN				4.93	83.9	93.9	101	99.3	87.3	10.5		
MAX				72	116	114	115	106	92	81		
MIN				0	52	85	83	87	81	0		
AC-FT				294	5,160	5,590	6,190	6,100	5,190	645		
YEAR 1994	MEAN	68.7	MAX	116	MIN	0	AC-FT	29,170				

NORTH PLATTE RIVER BASIN

81

EMPIRE CANAL from North Platte River - 1994

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
S indicates days of submergence

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	30	31	46	30			
2					0	25	31	33S	28			
3					0	24	31	34S	28			
4					0	28	32	34S	27			
5					0	31	41 S	37S	27			
6					0	31	43 S	33	27			
7					0	31	39 S	32	27			
8					0	30	40 S	32	26			
9					14	30	40 S	31	30			
10					32	29S	40 S	30	31S			
11					30S	32S	40 S	29	31S			
12					35S	32S	35 S	28	31S			
13					34S	35S	29	29	33S			
14					35	40S	29	28	34S			
15					37	32S	21	28	32S			
16					35	33	11	28	26S			
17					33	39	10	28	22			
18					32	34	9.9	29	22			
19					32	31	9.5	31S	22			
20					32	31	9.6	31S	11			
21					32	31	9.4	32S	0			
22					32	30	8.7	31S	0			
23					30	27	8.5	29	0			
24					32	26	8.4	29	0			
25					34S	27	8.1	29	0			
26					34S	28	8.2	31	0			
27					32S	29	15	31	0			
28					32S	28	29	31	0			
29		-----			37S	30	31	31	0			
30		-----			42S	32	40	31	0			
31		-----		-----	39S	-----	41	32	-----		-----	
TOTAL					757	916	779.3	968	545			
MEAN					24.4	30.5	25.1	31.2	18.2			
MAX					42	40	43	46	34			
MIN					0	24	8.1	28	0			
AC-FT					1,500	1,820	1,550	1,920	1,080			
YEAR 1994	MEAN	25.9	MAX	46	MIN	0	AC-FT	7,870				

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER at Bridgeport - 1994

LOCATION.--Main channel and Browns Creek channel gages located in NW1/4NW1/4 Sec. 28-20-50 W.

GAGE.--Continuous stage recorders on Main channel and Browns Creek channel

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.
E = Estimated discharge

EXTREMES FOR CURRENT YEAR.--Peak discharge 3940 cubic feet per second on July 15, combined channel discharge.
Minimum daily discharge 383 cubic feet per second on May 13.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1,080	895	842	816	587E	637	551	750	973	1,360	1,150	1,060
2	1,060	882	860	772	577E	656	466	770	1,180	1,360	1,140	1,070
3	1,040	883	876	764	553E	658	436	799	1,250	1,330	1,140	1,070
4	1,030	895	871	772	528E	682	418	799	1,220	1,360	1,160	1,070
5	1,010	901	853	816	535E	725	424	754	1,180	1,450	1,180	1,050
6	975	900	917	827	560E	757	503	755	1,100	1,860	1,170	1,040
7	920	900E	944	824	529	693	667	808	1,060	1,860	1,160	1,050
8	918	840E	904	802	540	755	885	825	1,010	1,590	1,150	1,060
9	934	800E	928	786	558	1,020	979	805	1,010	1,470	1,180	1,050
10	949	820E	920	789	548	755	940	770	972	1,450	1,170	1,040
11	971	840E	899	789	489	705	841	735	940	1,420	1,150	1,010
12	958	860E	873	777	409	723	746	724	936	1,390	1,130	1,010
13	950	880E	861	746	383	693	640	739	943	1,390	1,120	962
14	956	900E	847	727	495	644	654	780	963	1,350	1,090	937
15	967	880E	847	709	669	560	2,040	762	1,010	1,350	1,040	918
16	954	870	843	710	947	468	2,800	716	985	1,450	1,020	918
17	939	848	823	694	810E	469	2,570	697	1,030	1,470	1,050	917
18	930	860	833	663	739E	506	2,630	719	1,090	1,570	1,040	901
19	948	859	833	637	661E	541	2,260	725	1,130	1,470	1,040	901
20	908	843	834	620	598	640	2,120	709	1,130	1,380	1,040	900
21	909	835	845	649	570	1,080	1,950	722	1,180	1,330	1,050	902
22	909	840	843	642	537	1,580	1,660	763	1,310	1,320	1,060	906
23	919	848	857	643	526	1,530	1,400	794	1,420	1,300	1,070	902
24	912	845	853	647	696	1,220	1,200	795	1,660	1,280	1,060	900
25	909	815	853	645	973	915	1,030	752	1,630	1,270	1,060	892
26	897	819	859	665	822	766	980	695	1,480	1,270	1,040	896
27	900	788	869	648	774	646	950	688	1,400	1,260	1,060	905
28	920	804	865	612	738	634	903	673	1,380	1,190	1,060	908
29	939	-----	869	606	695	627	838	697	1,410	1,140	1,050	898
30	951	-----	831	572	674	588	793	739	1,390	1,150	1,060	907
31	913	-----	817	-----	641	-----	773	791	-----	1,160	-----	919
TOTAL	29,475	23,950	26,769	21,369	19,361	22,873	36,047	23,250	35,372	43,000	32,890	29,869
MEAN	951	855	864	712	625	762	1,163	750	1,179	1,387	1,096	964
MAX	1,080	901	944	827	973	1,580	2,800	825	1,660	1,860	1,180	1,070
MIN	897	788	817	572	383	468	418	673	936	1,140	1,020	892
AC-FT	58,460	47,500	53,100	42,390	38,400	45,370	71,500	46,120	70,160	85,290	65,240	59,250
YEAR 1994	TOTAL	344,225	MEAN	943	MAX	2,800	MIN	383	AC-FT	682,800		

NORTH PLATTE RIVER BASIN

83

BROWNS CREEK CANAL from North Platte River - 1994

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

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

PERIOD OF RECORD.--1916 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1.					0	86	98	87	40	0		
2					0	87	97	85	37	0		
3					0	78	98	79	38	0		
4					0	80	98	78	34	0		
5					1.2	59	97	79	34	0		
6					.77	41	89	85	35	0		
7					.74	35	49	86	31	0		
8					28	35	78	88	30	0		
9					34	12	74	77	32	0		
10					36	11	78	72	35	0		
11					40	34	84	71	34	0		
12					42	49	88	69	35	0		
13					41	51	87	64	34	0		
14					41	55	82	67	33	0		
15					27	50	34	71	31	0		
16					34	50	25	77	29	0		
17					44	63	35	84	33	0		
18					42	68	26	86	39	0		
19					48	74	26	84	39	0		
20					47	88	31	76	38	0		
21					58	86	33	69	41	0		
22					69	85	66	65	45	0		
23					75	91	64	63	46	0		
24					81	97	78	61	53	0		
25					74	96	74	55	54	0		
26					80	98	75	49	52	0		
27					80	98	77	49	50	0		
28					79	98	81	47	50	0		
29		-----			81	97	82	49	49	0		
30		-----			83	99	86	52	22	0		
31		-----		-----	87	-----	87	45	-----	0	-----	
TOTAL					1,353.71	2,051	2,177	2,169	1,153	0		
MEAN					43.7	68.4	70.2	70.0	38.4	0		
MAX					87	99	98	88	54	0		
MIN					0	11	25	45	22	0		
AC-FT					2,690	4,070	4,320	4,300	2,290	0		
YEAR 1994	MEAN	48.4	MAX	99	MIN	0	AC-FT	17,660				

NORTH FLA. RIVER BASIN

COURTHOUSE ROCK CANAL from Pumpkin Creek - 1994

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

REMARKS.--E indicates estimated discharge - no gage height record.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	6.3	4.2	3.5	3.8	0		
2					0	5.9	4.3	4.8	3.8	0		
3					0	5.8	4.6	4.3	3.7	0		
4					0	5.7	5.4	4.5	3.7	0		
5					0	5.5	7.6	4.4	3.4	0		
6					0	2.3	7.1	4.4	3.4	0		
7					0	0	6.5	4.2	3.4	0		
8					0	0	6.5E	4.3	3.4	0		
9					0	0	6.0E	4.5	3.3	0		
10					0	0	5.0E	4.4	3.3	0		
11					0	0	4.5E	4.4	3.4	0		
12					0	0	3.8	4.5	3.3	0		
13					0	0	3.8	5.1	3.2	0		
14					0	0	4.9	5.1	3.4	0		
15					0	0	4.8	5.1	3.5	0		
16					0	0	3.6	4.4	3.5	0		
17					0	0	3.5	4.2	3.5	0		
18					1.7	0	3.4	4.1	3.4	0		
19					2.6	0	3.3	3.9	3.5	0		
20					2.8	0	3.3	3.8	3.5E	0		
21					2.9	1.5	3.6	3.7	3.5E	0		
22					3.3	5.3	3.5	3.5	3.4E	0		
23					3.7	5.5	3.4	3.2	3.4E	0		
24					3.8	4.9	3.4E	3.1	3.3E	0		
25					3.7	4.7	3.5E	3.3	3.2E	0		
26					3.7	4.5	3.5	3.2	3.2E	0		
27					5.0	4.3	3.3	3.1	3.2	0		
28					5.6	4.1	3.1	3.2	2.0	0		
29		-----			5.9	4.1	2.9	3.3	1.5	0		
30		-----			5.7	4.3	2.9	3.2	1.4	0		
31		-----		-----	5.6	-----	3.4	3.4	-----	0	-----	
TOTAL					56.0	74.7	132.6	124.1	97.5	0		
MEAN					1.81	2.49	4.28	4.00	3.25	0		
MAX					5.9	6.3	7.6	5.1	3.8	0		
MIN					0	0	2.9	3.1	1.4	0		
AC-FT					111	148	263	246	193	0		
YEAR 1994	MEAN	2.64	MAX	7.6	MIN	0	AC-FT	962				

NORTH PLATTE RIVER BASIN

85

LAST CHANCE CANAL from Pumpkin Creek - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	0	0	0			
2					0	0	0	0	0			
3					0	0	0	0	0			
4					0	0	0	0	0			
5					0	0	0	0	0			
6					0	0	0	0	0			
7					0	0	0	0	0			
8					0	0	0	0	0			
9					0	0	0	0	0			
10					0	0	0	0	0			
11					0	.17	0	0	0			
12					0	.32	0	0	0			
13					0	.32	0	0	0			
14					0	2.0	0	0	0			
15					0	2.9	0	0	0			
16					0	2.9	0	0	0			
17					0	2.9	0	0	0			
18					0	3.1	0	0	0			
19					0	3.0	0	0	0			
20					0	2.9	0	0	0			
21					0	2.5	0	0	0			
22					0	.05	0	0	0			
23					0	0	0	0	0			
24					0	0	0	0	0			
25					0	0	0	0	0			
26					0	0	0	0	0			
27					0	0	0	0	0			
28					0	0	0	0	0			
29		-----			0	0	0	0	0			
30		-----			0	0	0	0	0			
31		-----		-----	0	-----	0	0	-----		-----	
TOTAL					0	23.06	0	0	0			
MEAN					0	.77	0	0	0			
MAX					0	3.1	0	0	0			
MIN					0	0	0	0	0			
AC-FT					0	46	0	0	0			
YEAR 1994	MEAN	.15	MAX	3.1	MIN	0	AC-FT	46				

NORTH PLATTE RIVER BASIN

MEREDITH-AMMER CANAL from Pumpkin Creek - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	2.5	1.8	1.2	1.3	3.2		
2					0	1.6	2.3	1.5	1.4	3.8		
3					0	1.7	2.2	4.6	1.2	2.7		
4					0	2.3	3.0	2.8	1.2	0		
5					0	2.8	2.9	2.1	1.1	0		
6					0	2.7	1.6	1.6	1.2	0		
7					0	2.0	1.3	1.4	1.4	0		
8					0	1.8	1.5	.99	1.9	0		
9					0	1.7	1.2	.75	2.1	0		
10					0	1.8	.86	.78	2.3	0		
11					0	1.7	.61	1.1	2.5	0		
12					0	1.8	.68	1.5	2.5	0		
13					0	1.8	.47	2.5	2.2	0		
14					0	3.2	1.7	3.1	1.8	0		
15					0	4.3	2.8	2.5	1.4	0		
16					0	4.0	2.9	2.2	1.1	0		
17					0	3.6	3.6	2.0	1.3	0		
18					5.3	4.1	3.5	1.9	1.4	0		
19					7.7	4.3	2.5	1.7	1.3	0		
20					11	4.2	3.2	1.3	1.4	0		
21					13	3.7	2.0	1.4	1.6	0		
22					13	5.1	1.5	1.7	2.1	0		
23					8.6	4.2	1.5	1.9	2.2	0		
24					5.7	3.3	1.2	2.0	1.4	0		
25					4.9	3.7	1.1	2.1	1.2	0		
26					5.1	3.1	1.3	1.0	1.2	0		
27					4.9	3.0	1.7	.95	2.2	0		
28					4.9	2.6	1.8	1.0	2.7	0		
29		-----			4.6	2.4	1.8	1.1	2.7	0		
30		-----			4.7	2.0	1.6	1.1	3.2	0		
31		-----		-----	4.0	-----	1.2	1.0	-----	0	-----	
TOTAL					97.4	87.0	57.32	52.77	52.5	9.7		
MEAN					3.14	2.90	1.85	1.70	1.75	.31		
MAX					13	5.1	3.6	4.6	3.2	3.8		
MIN					0	1.6	.47	.75	1.1	0		
AC-FT					193	173	114	105	104	19		
YEAR 1994	MEAN	1.94	MAX	13	MIN	0	AC-FT	707				

NORTH PLATTE RIVER BASIN

87

PUMPKIN CREEK near Bridgeport - 1994

LOCATION.--SW1/4 Sec. 12-19-50 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--Feb. 1931 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991.
E = Estimated discharge

EXTREMES FOR CURRENT YEAR.--Peak discharge 65 cubic feet per second on April 30 at gage height 1.99 feet.
Minimum daily discharge 0 on many days from June 25 to October 2.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16	17E	18	23	51	2.2	0	0	0	0	5.4E	10
2	16	17E	19	22	49	3.5	0	0	0	0	5.4E	10
3	15	17E	19	22	50	3.6	0	.09	0	6.7	5.6E	8.8
4	15E	16E	20	21	43	3.0	0	.11	0	16	5.6E	8.0E
5	15	14E	19	21	38	2.0	0	0	0	5.1	5.8E	8.2E
6	15	14E	19	20	41	4.8	0	0	0	4.1	6.0E	7.8E
7	15E	12E	19	17	25	4.6	0	0	.03	4.2	5.2E	6.4E
8	15E	11E	18	16	18	5.7	0	0	.06	4.1	5.5	6.8E
9	16E	12E	18	17	18	5.6 E	0	0	0	4.2	5.6	7.2E
10	15	12E	19	17	17	5.4 E	0	0	0	3.9	5.9	7.0E
11	15	14E	19	18	16	5.4 E	0	0	0	3.6	6.3	7.2E
12	15	16E	19	18	16	5.2 E	0	0	0	3.5	6.1	8.0E
13	15	18E	18	18	15	5.2 E	.01	0	0	3.7	6.0	8.4E
14	15	17	17	17	16	4.7	0	0	0	4.3	6.0	8.6E
15	15	17	17	16	16	1.5	.03	0	0	4.9	6.3	9.0E
16	15	17	18	16	14	1.5	0	0	0	5.4	6.3	8.8E
17	14E	17	18	15	13	1.5	0	0	0	6.3	6.0E	8.8E
18	15E	17	19	15	10	.83	2.9	0	0	6.2	6.0E	9.0E
19	15E	16	19	15	9.8	.07	12	0	.29	6.0	6.4E	9.0E
20	16E	16	19	15	6.4	.03	6.9	0	.69	4.5	6.4E	9.0E
21	17E	17	19	17	5.0	.03	.20	0	1.3	4.7	7.2E	8.8E
22	17	14E	18	16	4.4	.03	0	0	.74	4.8	7.4E	9.0
23	17	15E	19	15	3.8	.03	.01	0	0	5.5	7.4E	11
24	17	17E	21	15	4.8	.01	0	0	0	5.5	7.8E	10
25	18	17E	21	15	5.8	0	0	0	0	5.5	8.0E	11
26	17	18E	22	18	5.8	0	0	0	0	5.7	8.6E	10
27	16E	18E	23	18	1.4	.15	0	0	0	5.1	9.0E	10
28	17E	17	25	19	1.6	0	0	0	0	5.0E	9.6E	10
29	18E	-----	22	20	1.2	0	0	0	0	5.0E	10 E	11
30	18E	-----	21	61	.93	0	0	0	0	5.2E	10 E	11
31	18E	-----	24	-----	1.7	-----	0	0	-----	5.2E	-----	9.0E
TOTAL	493	440	606	573	518.63	66.58	22.05	0.20	3.11	153.9	202.8	276.8
MEAN	15.9	15.7	19.5	19.1	16.7	2.22	.71	.006	.10	4.96	6.76	8.93
MAX	18	18	25	61	51	5.7	12	.11	1.3	16	10	11
MIN	14	11	17	15	.93	0	0	0	0	0	5.2	6.4
AC-FT	978	873	1,200	1,140	1,030	132	44	.4	6.2	305	402	549
YEAR 1994	TOTAL	3,356.07	MEAN	9.19	MAX	61	MIN	0	AC-FT	6,660		

NORTH PLATTE RIVER BASIN

BEERLINE CANAL from North Platte River - 1994

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

GAGE.--Continuous stage recorder and concrete box

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

REMARKS.--E indicates estimated discharge - no gage height record

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	17	8.7	17	9.4		
2					0	0	16	13	18	9.1		
3					0	0	14	14	19	8.4		
4					0	0	13	15	19	8.7		
5					0	0	13	15	18	9.2		
6					0	2.6E	13	15	17	9.8		
7					0	11	20	14	17	3.6E		
8					0	14	19	14	17	0		
9					0	13	18	14	17	0		
10					0	3.6	18	14	16	0		
11					0	3.1	18	13	16	0		
12					0	3.1	16	13	16	0		
13					0	3.0	15	13	16	0		
14					0	3.1	15	14	9.4E	0		
15					0	3.4	13	14	0	0		
16					0	3.8	13	14	0	0		
17					0	3.4	12	13	0	0		
18					0	7.8	11	14	0	0		
19					0	14	11	16	4.7E	0		
20					0	18	9.8	16	9.7	0		
21					0	18	9.2	16	11	0		
22					0	17	8.5	17	9.8	0		
23					0	15	7.4	18	8.9	0		
24					0	15	7.1	18	8.6	0		
25					0	14	7.3	12	8.2	0		
26					0	13	10	11	8.3	0		
27					0	12	10	15	8.1	0		
28					0	15	10	15	8.3	0		
29		-----			0	17	9.5	16	8.8	0		
30		-----			0	17	8.9	16	9.0	0		
31		-----		-----	0	-----	8.0	16	-----	0	-----	
TOTAL					0	259.9	390.7	446.7	335.8	58.2		
MEAN					0	8.66	12.6	14.4	11.2	1.88		
MAX					0	18	20	18	19	9.8		
MIN					0	0	7.1	8.7	0	0		
AC-FT					0	516	775	886	666	115		
YEAR 1994	MEAN	8.10	MAX	20	MIN	0	AC-FT	2,960				

NORTH PLATTE RIVER BASIN

89

BELMONT CANAL from Cedar Creek - 1994

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

REMARKS.--E indicates estimated discharge - no gage height record

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	2.5	1.4	2.3	2.8			
2					0	2.3	1.6	2.3E	2.7			
3					0	2.2	2.0	2.3E	2.6			
4					0	1.7	2.1E	2.2E	2.4			
5					0	1.4	1.8E	2.2E	2.2			
6					0	1.3	1.6E	2.2E	2.1			
7					0	1.5	2.6	2.1E	1.7			
8					0	2.1	1.9	2.1E	1.5			
9					0	1.2	1.8	2.1E	1.5			
10					.39	1.1	2.7	2.1E	1.6			
11					.39	1.3	2.8	2.2E	1.6 E			
12					.38	1.4	3.0	2.2E	1.6 E			
13					.32	1.4	3.2	2.2E	1.6 E			
14					2.6	1.3	3.8	2.3E	1.6 E			
15					1.5	1.2	4.7	2.3E	.80E			
16					1.5	1.5	2.8	2.3E	0			
17					1.4	1.8	2.7	2.3E	0			
18					2.0	2.3	2.5	2.3E	0			
19					2.1	1.9	2.0	2.3E	0			
20					2.1	1.6	2.6	2.3E	0			
21					1.9	1.6	2.8	2.3E	0			
22					2.1	1.6	2.9	2.3E	0			
23					2.0	1.4	3.1	2.3E	0			
24					2.0	1.2	3.2	2.1E	0			
25					2.1	1.3	3.1	2.3	0			
26					2.0	1.1	3.1	2.2	0			
27					2.0	1.2	3.0	2.3	0			
28					1.7	1.3	3.1	2.4	0			
29		-----			1.4	1.4	2.5	2.4	0			
30		-----			1.6	1.6	2.0	2.6	0			
31		-----		-----	2.0	-----	1.9	3.0	-----		-----	
TOTAL					35.48	46.7	80.3	70.8	28.30			
MEAN					1.14	1.56	2.59	2.28	.94			
MAX					2.6	2.5	4.7	3.0	2.8			
MIN					0	1.1	1.4	2.1	0			
AC-FT					70	93	159	140	56			
YEAR 1994	MEAN	1.71	MAX	4.7	MIN	0	AC-FT	519				

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

LISCO CANAL from North Platte River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	33	53	44	39	57		
2					0	46	52	49	61	51		
3					0	46	49	50	58	35		
4					0	47	43	55	37	39		
5					0	48	52	52	33	40		
6					0	49	54	52	28	46		
7					0	49	40	50	24	48		
8					0	50	41	38	21	38		
9					0	50	43	47	36	27		
10					0	43	42	53	48	34		
11					0	37	43	54	46	45		
12					0	42	40	50	48	40		
13					0	36	42	46	45	39		
14					0	31	49	45	45	42		
15					0	26	49	46	49	56		
16					0	26	34	43	44	44		
17					0	36	39	38	43	0		
18					0	48	42	48	45	0		
19					0	47	42	48	44	0		
20					0	47	35	44	45	0		
21					0	53	37	44	50	0		
22					0	58	40	45	55	0		
23					0	53	42	50	45	0		
24					0	44	36	47	42	0		
25					0	44	36	36	46	0		
26					36	45	41	37	35	0		
27					42	50	46	42	29	0		
28					32	45	45	50	35	0		
29		-----			26	47	46	53	45	0		
30		-----			27	50	49	48	45	0		
31		-----		-----	31	-----	45	51	-----	0	-----	
TOTAL					194	1,326	1,347	1,455	1,266	681		
MEAN					6.26	44.2	43.5	46.9	42.2	22.0		
MAX					42	58	54	55	61	57		
MIN					0	26	34	36	21	0		
AC-FT					385	2,630	2,670	2,890	2,510	1,350		
YEAR 1994	MEAN	34.1	MAX	61	MIN	0	AC-FT	12,430				

NORTH PLATTE RIVER BASIN

91

NORTH PLATTE RIVER at Lisco - 1994

LOCATION.--SW1/4NE1/4 Sec. 33-18-46 W., Garden County

GAGE.--Continuous stage recorder

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
E indicates estimated daily discharge.

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 2,850 cubic feet per second July 16, gage height 2.59 feet.
Maximum gage height 4.55 feet February 1 due to backwater from ice.
Minimum daily discharge 331 cubic feet per second on July 4.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1,050	900E	900E	675	768	705	422	659	772	1,470	1,200	1,050
2	1,030	900E	977	661	828	678	396	653	931	1,550	1,170	1,060
3	1,020	900E	1,000	652	781	672	361	746	1,100	1,480	1,160	1,050
4	1,030	900E	1,020	702	821	670	331	743	1,160	1,510	1,210	1,070
5	1,040	900E	1,000	730	735	667	344	771	1,140	1,440	1,220	1,060
6	1,020E	920E	1,040	755	720	680	337	767	1,140	1,650	1,240	1,010
7	1,000E	940E	1,020	764	664	677	474	734	1,080	1,780	1,230	1,120
8	980E	940E	990	779	615	759	637	725	1,030	1,690	1,250	1,210
9	1,000E	960E	990	813	558	882	761	743	994	1,610	1,300	1,070
10	1,000E	980E	986	859	520	944	842	661	960	1,560	1,260	1,040
11	1,010	980E	968	852	466	762	777	606	939	1,460	1,220	1,070
12	996	1,000E	938	803	423	693	689	584	907	1,400	1,210	1,140
13	1,030	1,020E	949	805	383	658	571	595	861	1,370	1,190	1,170
14	1,060	1,120E	958	789	408	614	555	615	908	1,350	1,180	1,170
15	1,080	1,200E	957	771	504	563	817	667	954	1,410	1,190	1,080
16	1,100	1,180E	957	775	660	496	2,170	696	983	1,490	1,210	1,080
17	1,080	1,000E	926	784	870	442	2,490	697	1,020	1,550	1,200	1,040
18	1,000E	900E	890	798	796	411	2,470	679	1,050	1,600	1,110	1,030
19	900E	800E	879	783	783	408	2,420	661	1,090	1,520	1,100	1,050
20	800E	740E	846	766	645	397	2,230	622	1,100	1,410	1,140	1,020
21	960E	720E	836	777	560	526	2,010	611	1,100	1,380	1,140	997
22	1,080E	720E	808	819	542	975	1,810	609	1,190	1,340	1,120	974
23	1,200E	740E	803	807	519	1,330	1,540	656	1,370	1,320	1,110	976
24	1,060E	760E	779	843	502	1,240	1,300	674	1,680	1,310	1,070	981
25	1,000E	800E	781	842	674	1,020	1,080	684	1,900	1,320	1,060	1,010
26	1,050	740E	767	863	828	824	983	643	1,740	1,350	1,070	1,030
27	1,080	700E	739	835	749	638	948	556	1,590	1,360	1,060	1,030
28	1,100	800E	742	823	726	518	909	501	1,470	1,290	1,030	1,020
29	1,080	-----	724	762	680	466	844	547	1,410	1,270	1,070	1,000
30	974	-----	714	756	658	443	762	588	1,390	1,250	1,050	990
31	960E	-----	693	-----	664	-----	673	660	-----	1,230	-----	976
TOTAL	31,770	25,160	27,577	23,443	20,050	20,758	32,953	20,353	34,959	44,720	34,770	32,574
MEAN	1,025	899	890	781	647	692	1,063	657	1,165	1,443	1,159	1,051
MAX	1,200	1,200	1,040	863	870	1,330	2,490	771	1,900	1,780	1,300	1,210
MIN	800	700	693	652	383	397	331	501	772	1,230	1,030	974
AC-FT	63,020	49,900	54,700	46,500	39,770	41,170	65,360	40,370	69,340	88,700	68,970	64,610
YEAR 1994	TOTAL	349,087	MEAN	956	MAX	2,490	MIN	331	AC-FT	692,400		

NORTH PLATTE RIVER BASIN

MIDLAND-OVERLAND CANAL from North Platte River - 1994

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

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

PERIOD OF RECORD.--1924 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	13	8.9	11	2.1		
2					0	0	12	10	13	5.3		
3					0	0	9.5	10	8.8	5.2		
4					0	0	5.6	7.9	8.6	6.7		
5					0	0	3.5	7.0	3.5	5.9		
6					0	0	2.1	6.1	1.4	3.9		
7					0	0	3.1	2.7	1.5	4.5		
8					0	0	2.8	5.8	1.1	2.7		
9					0	0	4.8	7.0	5.6	1.4		
10					0	0	7.5	4.3	6.1	.79		
11					0	0	16	1.3	8.8	.52		
12					0	0	15	.65	10	.28		
13					0	0	14	.56	12	.06		
14					0	11	8.3	6.2	14	0		
15					0	28	5.0	10	12	0		
16					0	31	4.1	8.3	3.7	0		
17					0	29	9.4	3.9	4.9	.97		
18					0	25	10	5.6	6.0	1.1		
19					0	24	9.8	6.7	7.8	.54		
20					0	23	9.8	6.6	9.7	.47		
21					0	23	9.2	3.5	11	.41		
22					0	23	8.9	5.7	5.4	.41		
23					0	24	8.8	6.9	1.6	.43		
24					0	25	18	7.0	1.5	.41		
25					0	25	20	7.8	2.6	0		
26					0	16	20	7.9	1.7	0		
27					0	15	22	7.1	.71	0		
28					0	16	15	7.5	1.1	0		
29		-----			0	15	16	8.6	3.6	0		
30		-----			0	13	15	9.8	1.5	0		
31		-----		-----	0	-----	12	9.8	-----	0	-----	
TOTAL					0	366	330.2	201.11	180.21	44.09		
MEAN					0	12.2	10.7	6.49	6.01	1.42		
MAX					0	31	22	10	14	6.7		
MIN					0	0	2.1	.56	.71	0		
AC-FT					0	726	655	399	357	87		
YEAR 1994	MEAN	6.10	MAX	31	MIN	0	AC-FT	2,220				

NORTH PLATTE RIVER BASIN

93

PAISLEY CANAL from Blue Creek - 1994

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

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

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	7.8	0	11	13	14		
2					0	4.5	0	7.4	15	15		
3					0	4.9	0	13	16	9.7		
4					0	4.7	0	15	15	.99		
5					0	4.6	8.0	14	15	0		
6					0	4.0	16	20	14	0		
7					0	3.7	15	16	14	0		
8					0	11	14	16	14	0		
9					0	16	13	16	15	0		
10					0	16	12	13	15	0		
11					0	13	12	10	14	0		
12					0	14	11	10	14	0		
13					1.8	15	6.2	6.3	14	0		
14					9.2	15	6.9	0	14	0		
15					7.8	15	2.1	0	15	0		
16					3.0	15	1.4	0	15	0		
17					0	16	3.5	9.3	16	0		
18					0	15	2.9	13	16	0		
19					0	14	4.6	13	16	0		
20					11	15	7.0	14	17	0		
21					16	15	7.3	14	17	0		
22					15	6.2	7.3	11	17	0		
23					18	0	8.7	5.3	17	0		
24					17	0	11	9.8	17	0		
25					15	0	14	10	17	0		
26					13	0	15	9.9	17	0		
27					13	0	15	9.1	17	0		
28					13	0	15	8.9	17	0		
29		-----			12	0	14	9.3	16	0		
30		-----			12	0	15	9.6	14	0		
31		-----		-----	12	-----	15	9.5	-----	0	-----	
TOTAL					188.8	245.4	272.9	323.4	463	39.69		
MEAN					6.09	8.18	8.80	10.4	15.4	1.28		
MAX					18	16	16	20	17	15		
MIN					0	0	0	0	13	0		
AC-FT					374	487	541	641	918	79		
YEAR 1994	MEAN	8.33	MAX	20	MIN	0	AC-FT	3,040				

NORTH PLATTE RIVER BASIN

BLUE CREEK CANAL from Blue Creek & Crescent Lake - 1994

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

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

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

REMARKS.--Total diversion from Blue Creek for both Blue Creek Canal and Hooper Canal. Deliveries to Hooper Canal shown seperately in this report.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	32	47	49	46	18		
2					0	21	50	47	36	18		
3					0	15	46	48	34	19		
4					0	13	44	44	36	15		
5					0	12	30	38	32	16		
6					0	12	39	35	32	17		
7					0	12	43	31	30	7.0		
8					0	11	43	31	24	.22		
9					0	12	42	31	24	0		
10					0	13	41	37	24	0		
11					22	12	44	39	24	0		
12					15	13	39	29	37	0		
13					.29	16	8.9	13	44	0		
14					0	15	17	1.9	47	0		
15					0	15	11	3.4	44	0		
16					0	19	1.6	42	31	0		
17					12	23	1.6	47	31	0		
18					3.2	35	6.5	49	26	0		
19					18	25	10	50	20	0		
20					20	27	10	50	27	0		
21					22	44	15	49	30	0		
22					22	47	22	49	27	0		
23					24	48	35	50	26	0		
24					27	50	45	49	26	0		
25					32	50	46	50	26	0		
26					40	49	47	50	24	0		
27					45	49	48	50	23	0		
28					48	46	49	50	23	0		
29		-----			47	44	49	51	23	0		
30		-----			42	44	49	49	23	0		
31		-----		-----	36	-----	50	46	-----	0	-----	
TOTAL					475.49	824	1,029.6	1,258.3	900	110.22		
MEAN					15.3	27.5	33.2	40.6	30.0	3.56		
MAX					48	50	50	51	47	19		
MIN					0	11	1.6	1.9	20	0		
AC-FT					943	1,630	2,040	2,500	1,790	219		
YEAR 1994	MEAN	25.0	MAX	51	MIN	0	AC-FT	9,120				

NORTH PLATTE RIVER BASIN

95

HOOPER CANAL from Blue Creek - 1994

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

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

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	10	11	13	7.9	1.9		
2					0	6.2	12	12	6.5	1.9		
3					0	0	12	12	4.4	1.9		
4					0	0	11	12	2.8	1.7		
5					0	0	8.8	10	2.8	1.0		
6					0	0	8.9	9.4	2.7	0		
7					0	0	9.4	8.4	2.6	0		
8					0	0	9.5	8.4	2.5	0		
9					0	0	9.5	8.3	2.5	0		
10					0	0	10	14	2.6	0		
11					0	0	11	22	2.6	0		
12					0	0	11	24	9.7	0		
13					0	0	1.3	21	12	0		
14					0	0	2.0	13	13	0		
15					0	0	2.2	1.5	12	0		
16					0	5.2	0	12	5.9	0		
17					0	8.0	0	12	5.5	0		
18					0	11	0	13	3.7	0		
19					1.8	7.1	0	14	3.1	0		
20					4.9	5.3	0	14	3.6	0		
21					5.1	8.8	2.8	13	5.5	0		
22					5.1	9.0	5.4	12	6.0	0		
23					2.5	9.1	6.6	12	5.5	0		
24					3.6	9.5	6.7	12	5.5	0		
25					8.8	9.6	10	12	5.6	0		
26					9.6	9.9	10	12	4.2	0		
27					9.2	9.4	11	11	3.3	0		
28					9.1	10	12	12	3.3	0		
29		-----			9.6	11	11	13	3.1	0		
30		-----			9.7	10	13	12	2.0	0		
31		-----		-----	11	-----	13	9.0	-----	0	-----	
TOTAL					90.0	149.1	231.1	384.0	152.4	8.4		
MEAN					2.90	4.97	7.45	12.4	5.08	.27		
MAX					11	11	13	24	13	1.9		
MIN					0	0	0	1.5	2.0	0		
AC-FT					179	296	458	762	302	17		
YEAR 1994	MEAN	5.52	MAX	24	MIN	0	AC-FT	2,010				

NORTH PLATTE RIVER BASIN

UNION CANAL from Blue Creek - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	12	13	14	9.5	9.2		
2					0	4.1	13	10	6.1	9.0		
3					0	3.6	14	10	3.3	6.2		
4					0	3.7	13	9.4	5.4	3.2		
5					0	3.6	12	10	3.5	2.9		
6					0	3.5	15	12	.79	2.6		
7					0	1.4	15	13	.77	2.1		
8					0	0	15	13	1.0	1.7		
9					0	0	14	10	.95	2.3		
10					0	0	14	8.2	1.4	2.6		
11					0	0	13	7.8	3.6	2.5		
12					0	0	12	5.4	3.1	2.5		
13					0	0	13	2.7	3.7	2.5		
14					0	0	3.6	3.5	3.0	2.5		
15					0	0	0	10	4.9	2.6		
16					0	0	0	11	9.5	2.7		
17					0	0	0	12	6.1	2.6		
18					0	0	0	13	6.4	2.8		
19					0	1.3	0	14	7.2	2.9		
20					0	5.3	0	13	6.7	1.7		
21					0	12	0	13	6.2	0		
22					0	12	6.3	13	6.4	0		
23					0	12	6.6	12	5.7	0		
24					0	13	5.0	11	5.3	0		
25					0	13	7.1	7.9	5.8	0		
26					5.7	13	7.5	10	9.2	0		
27					14	13	7.4	9.7	7.1	0		
28					12	14	7.1	9.5	7.4	0		
29		-----			13	14	8.1	9.7	8.7	0		
30		-----			14	14	10	9.7	10	0		
31		-----		-----	13	-----	14	9.3	-----	0	-----	
TOTAL					71.7	168.5	258.7	316.8	158.71	67.1		
MEAN					2.31	5.62	8.35	10.2	5.29	2.16		
MAX					14	14	15	14	10	9.2		
MIN					0	0	0	2.7	.77	0		
AC-FT					142	334	513	628	315	133		
YEAR 1994	MEAN	5.66	MAX	15	MIN	0	AC-FT	2,070				

NORTH PLATTE RIVER BASIN

97

GRAF CANAL from Blue Creek - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	12	2.4	8.6	8.5		
2					0	0	7.6	9.5	9.3	8.6		
3					0	0	10	8.5	7.7	9.0		
4					0	0	7.7	7.9	0	10		
5					0	3.8	.12	8.3	0	10		
6					0	9.1	.02	2.9	0	3.8		
7					0	10	0	2.3	3.5	0		
8					0	7.2	0	2.2	8.0	0		
9					0	0	0	2.1	8.0	0		
10					0	0	0	2.2	8.0	0		
11					0	3.6	0	2.1	7.9	0		
12					0	8.8	1.8	2.2	7.3	0		
13					0	9.0	5.8	2.5	6.5	0		
14					0	9.2	.06	4.5	4.7	0		
15					0	9.2	0	6.3	6.0	0		
16					0	9.3	0	5.1	9.0	0		
17					0	9.8	0	4.1	.03	0		
18					0	9.2	0	2.6	0	0		
19					0	9.4	0	2.0	1.8	0		
20					0	11	0	1.9	7.8	0		
21					0	6.1	0	1.7	7.4	0		
22					0	4.4	0	1.9	7.6	0		
23					0	11	0	7.2	7.9	0		
24					0	9.0	0	8.3	7.9	0		
25					0	8.5	4.8	10	7.8	0		
26					0	8.5	7.6	8.4	7.7	0		
27					0	7.9	6.3	8.2	7.9	0		
28					0	8.6	4.9	8.0	8.0	0		
29		-----			0	11	3.8	8.2	7.9	0		
30		-----			0	12	3.4	8.2	8.1	0		
31		-----		-----	0	-----	.83	8.8	-----	0	-----	
TOTAL					0	205.6	76.73	160.5	182.33	49.9		
MEAN					0	6.85	2.48	5.18	6.08	1.61		
MAX					0	12	12	10	9.3	10		
MIN					0	0	0	1.7	0	0		
AC-FT					0	408	152	318	362	99		
YEAR 1994	MEAN	3.67	MAX	12	MIN	0	AC-FT	1,340				

NORTH PLATTE RIVER BASIN

BLUE CREEK near Lewellen - 1994

LOCATION.--NE1/4 Sec. 30-16-42 W., Garden County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--Oct. 1930 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991.
E indicates estimated daily discharge.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 187 cubic feet per second October 7, gage height 4.06 feet.
No flow June 25-30, July 2.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	86	103	103	82	83	33	.12	3.2	2.1	33	87	90
2	87	102	107	82	82	51	0	7.9	13	36	89	93
3	88	105	107	80	83	61	.09	4.2	27	41	87	92
4	87	88	106	80	90	64	27	1.6	31	65	89	92
5	87	89	105	82	88	59	42	3.1	33	72	91	86
6	92	87	111	82	88	53	26	32	33	104	92	87
7	84E	86	115	81	89	55	22	31	31	164	93	89
8	90E	64	107	81	85	62	22	28	33	123	93	89
9	96E	68E	101	80	81	68	19	31	34	104	96	87
10	89	90E	100	79	78	74	12	33	33	87	99	88
11	89	94E	100	78	58	60	5.5	29	31	81	100	89
12	88	92E	98	80	60	49	1.8	35	25	79	100	88
13	88	94E	97	81	75	42	52	57	14	78	100	87
14	93	98E	96	80	86	41	64	77	5.3	77	95	87
15	92	95	95	78	82	40	91	68	4.8	91	89	84
16	89	104	94	76	84	38	107	31	14	103	90	84
17	90	110	93	76	67	34	111	13	27	101	90	87
18	86E	113	91	76	76	25	109	1.2	29	102	86	89
19	90E	113	89	76	61	27	97	.45	34	98	84	90
20	92E	108	90	76	50	24	87	.32	26	95	87	92
21	89	102	87	76	46	3.3	75	.28	23	93	89	90
22	87	96	87	77	44	2.3	57	.33	23	92	87	91
23	88	95	86	75	47	1.0 E	41	8.6	25	88	85	89
24	87	94	85	76	47	.20E	30	.44	25	87	84	90
25	88	92	85	77	40	0 E	15	2.1	25	86	86	94
26	90	90	85	85	37	0 E	3.1	1.6	24	86	87	94
27	91	101	84	82	19	0 E	2.5	1.3	26	88	87	93
28	90	103	83	84	8.7	0	2.1	.70	27	91	87	93
29	98	-----	84	86	4.6	0	2.0	1.1	26	89	87	91
30	88	-----	83	84	7.2	0	1.9	1.3	29	87	84	95
31	91	-----	83	-----	17	-----	1.4	2.9	-----	87	-----	94
TOTAL	2,770	2,676	2,937	2,388	1,863.5	966.80	1,126.51	507.62	733.2	2,708	2,700	2,784
MEAN	89.4	95.6	94.7	79.6	60.1	32.2	36.3	16.4	24.4	87.4	90.0	89.8
MAX	98	113	115	86	90	74	111	77	34	164	100	95
MIN	84	64	83	75	4.6	0	0	.28	2.1	33	84	84
AC-FT	5,490	5,310	5,830	4,740	3,700	1,920	2,230	1,010	1,450	5,370	5,360	5,520
YEAR 1994	TOTAL	24,160.63	MEAN	66.2	MAX	164	MIN	0	AC-FT	47,920		

NORTH PLATTE RIVER BASIN

99

NORTH PLATTE RIVER near Lewellen - 1994

LOCATION.--SE1/4NW1/4 Sec. 34-16-42 W., Garden County

GAGE.--Continuous stage recorder

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

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991
E indicates estimated daily discharge.

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 July 17, gage height 6.27 feet.
Minimum daily discharge 407 cubic feet per second on July 2.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1,350E	910E	1,450E	922	834	703	428	714	720	1,310	1,490	1,210
2	1,350E	910E	1,500E	919	853	690	407	678	826	1,410	1,480	1,180
3	1,350E	930E	1,330	903	884	705	425	693	988	1,440	1,480	1,180
4	1,300E	1,000E	1,150	862	874	690	468	680	1,150	1,510	1,480	1,190
5	1,300E	1,000E	1,140	849	868	665	480	696	1,150	1,550	1,480	1,180
6	1,250E	1,000E	1,160	862	804	652	433	742	1,140	1,850	1,450E	1,160
7	1,200E	1,000E	1,220	879	800	647	456	739	1,140	2,050	1,450E	1,000E
8	980E	1,000E	1,220	882	742	702	521	710	1,070	1,930	1,450E	1,000E
9	1,160E	1,000E	1,230	855	690	836	635	767	1,010	1,790	1,470	1,020E
10	1,180E	1,050E	1,230	820	652	926	724	761	973	1,690	1,490	1,020E
11	1,160E	1,100E	1,240	814	608	939	760	707	973	1,620	1,510	1,040E
12	1,140E	1,220E	1,230	846	556	811	755	669	952	1,590	1,500	1,060E
13	1,160E	1,400E	1,180	821	522	764	749	660	937	1,550	1,460	1,060E
14	1,240E	1,500E	1,160	804	609	727	760	666	934	1,540	1,410	1,000E
15	1,100E	1,550E	1,150	790	555	615	804	650	986	1,580	1,390	1,040E
16	960E	1,600E	1,130	762	603	583	1,020	647	1,010	1,750	1,350	1,060E
17	940E	1,500E	1,120	769	715	556	2,110	632	1,020	1,760	1,340	1,080E
18	900E	1,200E	1,080	770	839	509	2,190	600	1,040	1,900	1,300	1,100E
19	860E	1,020E	1,050	761	806	467	2,160	581	1,080	1,830	1,240	1,100E
20	840E	960E	1,040	759	764	451	2,080	569	1,100	1,740	1,260	1,120E
21	1,080E	900E	1,050	770	703	448	1,890	580	1,100	1,640	1,270	1,140E
22	1,180E	860E	1,050	763	625	505	1,690	585	1,140	1,570	1,280	1,140E
23	1,350E	920E	1,010	769	595	806	1,520	600	1,210	1,510	1,260	1,160E
24	1,400E	940E	985	755	576	1,070	1,360	629	1,320	1,460	1,260	1,160E
25	1,400E	920E	950	752	543	970	1,190	687	1,470	1,460	1,250	1,180E
26	1,300E	700E	935	813	650	794	1,020	704	1,540	1,470	1,220E	1,160E
27	1,120E	940E	915	836	739	652	931	639	1,430	1,490	1,220E	1,140E
28	960E	1,400E	893	831	690	560	909	593	1,360	1,500	1,220E	1,100
29	1,120E	-----	906	813	672	490	848	584	1,300	1,510	1,220E	1,070
30	1,250E	-----	900	811	651	460	789	592	1,300	1,490	1,220E	1,090
31	1,000E	-----	913	-----	614	-----	759	625	-----	1,480	-----	1,110
TOTAL	35,880	30,430	34,517	24,562	21,636	20,393	31,271	20,379	33,369	49,970	40,900	34,250
MEAN	1,157	1,087	1,113	819	698	680	1,009	657	1,112	1,612	1,363	1,105
MAX	1,400	1,600	1,500	922	884	1,070	2,190	767	1,540	2,050	1,510	1,210
MIN	840	700	893	752	522	448	407	569	720	1,310	1,220	1,000
AC-FT	71,170	60,360	68,460	48,720	42,920	40,450	62,030	40,420	66,190	99,120	81,130	67,930
YEAR 1994	TOTAL	377,557	MEAN	1,034	MAX	2,190	MIN	407	AC-FT	748,900		

KINGSLEY RESERVOIR from North Platte River - 1994

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

GAGE.--Stage recorder

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1,422,100	1,448,900	1,478,800	1,517,500	1,548,400	1,523,100	1,432,800	1,338,800	1,215,900	1,235,000	1,298,600	1,341,400
2	1,422,100	1,448,900	1,481,500	1,520,300	1,551,200	1,523,100	1,427,400	1,333,800	1,215,900	1,235,000	1,301,100	1,341,400
3	1,424,800	1,448,900	1,481,500	1,520,300	1,551,200	1,520,300	1,419,400	1,331,200	1,215,900	1,237,400	1,301,100	1,343,900
4	1,424,800	1,448,900	1,484,300	1,523,100	1,554,100	1,517,500	1,411,500	1,326,100	1,215,900	1,239,900	1,303,600	1,343,900
5	1,427,400	1,451,600	1,487,000	1,523,100	1,554,100	1,511,900	1,403,600	1,323,600	1,215,900	1,244,700	1,303,600	1,346,500
6	1,427,400	1,451,600	1,489,800	1,525,900	1,554,100	1,509,100	1,395,700	1,321,100	1,215,900	1,247,100	1,306,100	1,346,500
7	1,430,100	1,451,600	1,489,800	1,525,900	1,554,100	1,509,100	1,393,100	1,318,600	1,215,900	1,249,500	1,306,100	1,346,500
8	1,430,100	1,451,600	1,492,500	1,525,900	1,556,900	1,509,100	1,387,800	1,316,100	1,215,900	1,249,500	1,308,600	1,346,500
9	1,430,100	1,451,600	1,492,500	1,525,900	1,556,900	1,506,300	1,380,000	1,316,100	1,215,900	1,251,900	1,311,100	1,349,000
10	1,430,100	1,451,600	1,495,300	1,528,700	1,556,900	1,506,300	1,374,800	1,313,600	1,215,900	1,254,400	1,313,600	1,349,000
11	1,430,100	1,451,600	1,495,300	1,531,500	1,556,900	1,503,600	1,369,600	1,311,100	1,218,300	1,256,800	1,316,100	1,349,000
12	1,432,800	1,451,600	1,498,100	1,531,500	1,559,700	1,503,600	1,364,500	1,308,600	1,218,300	1,259,300	1,318,600	1,349,000
13	1,432,800	1,451,600	1,500,800	1,531,500	1,559,700	1,503,600	1,364,500	1,306,300	1,218,300	1,259,300	1,318,600	1,351,600
14	1,432,800	1,451,600	1,500,800	1,534,300	1,556,900	1,500,800	1,361,900	1,301,100	1,218,300	1,261,700	1,321,100	1,351,600
15	1,435,500	1,454,300	1,503,600	1,534,300	1,556,900	1,500,800	1,361,900	1,298,600	1,218,300	1,264,100	1,321,100	1,354,600
16	1,435,500	1,457,000	1,503,600	1,534,300	1,556,900	1,498,100	1,361,900	1,293,700	1,218,300	1,266,600	1,323,600	1,354,200
17	1,438,200	1,459,700	1,503,600	1,537,100	1,556,900	1,495,300	1,361,900	1,288,700	1,220,600	1,271,500	1,326,100	1,356,700
18	1,438,200	1,462,500	1,503,600	1,537,100	1,559,700	1,492,500	1,369,600	1,283,800	1,220,600	1,273,900	1,326,100	1,359,300
19	1,438,200	1,465,200	1,506,300	1,537,100	1,556,900	1,489,800	1,369,600	1,278,800	1,220,600	1,276,400	1,326,100	1,359,300
20	1,438,200	1,467,900	1,506,300	1,539,900	1,559,700	1,484,300	1,372,200	1,273,900	1,223,000	1,276,400	1,328,700	1,361,900
21	1,438,200	1,467,900	1,506,300	1,539,900	1,556,900	1,481,500	1,372,200	1,269,000	1,223,000	1,278,800	1,328,700	1,364,500
22	1,438,200	1,470,600	1,509,100	1,539,900	1,554,100	1,478,800	1,369,600	1,264,100	1,223,000	1,281,300	1,328,700	1,367,100
23	1,440,800	1,473,300	1,509,100	1,542,800	1,551,200							

YEAR 1994	MEAN 1,399,614	MAX 1,559,700	MIN 1,215,900
-----------	----------------	---------------	---------------

NORTH PLATTE RIVER BASIN

101

SUTHERLAND CANAL from North Platte River and Kingsley Reservoir - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	706	636	501	329	346	1,800	1,820	1,410	1,320	542	455	478
2	703	638	495	332	345	1,820	1,820	1,410	1,210	542	456	478
3	702	643	487	336	344	1,820	1,810	1,410	1,090	546	455	478
4	704	644	487	332	345	1,820	1,800	1,410	1,010	551	457	483
5	701	644	486	338	341	1,820	1,790	1,410	882	550	473	484
6	707	646	484	314	344	1,820	1,790	1,400	844	554	496	487
7	718	655	491	287	343	1,820	1,740	1,400	837	559	506	485
8	702	660	490	336	344	1,800	1,640	1,400	752	562	509	487
9	698	657	491	340	345	1,700	1,500	1,390	623	565	494	495
10	699	655	487	341	344	1,480	1,520	1,390	558	565	492	492
11	699	656	485	340	344	1,270	1,590	1,350	520	565	495	493
12	695	660	488	344	345	1,070	1,540	1,310	498	544	495	495
13	693	659	485	339	347	923	1,440	1,310	455	508	490	492
14	695	661	484	339	347	920	1,310	1,300	435	504	495	490
15	696	664	485	340	348	1,090	1,270	1,340	401	507	493	492
16	693	625	482	334	384	1,220	1,270	1,410	416	499	485	494
17	701	571	479	335	549	1,360	1,190	1,520	465	484	485	491
18	627	562	481	334	691	1,480	1,090	1,560	460	457	491	492
19	623	562	479	331	859	1,550	1,070	1,570	459	458	490	489
20	700	566	484	333	1,150	1,600	1,080	1,570	460	457	488	489
21	701	558	484	333	1,380	1,680	1,100	1,580	467	459	487	491
22	702	521	481	334	1,620	1,680	1,100	1,570	471	459	489	489
23	702	517	486	326	1,680	1,680	1,100	1,570	473	462	487	491
24	694	515	464	328	1,710	1,670	1,100	1,570	475	467	487	492
25	673	519	400	332	1,540	1,650	1,100	1,570	477	471	487	494
26	654	518	400	334	1,720	1,670	1,100	1,570	480	463	480	495
27	626	515	401	347	1,730	1,690	1,110	1,560	482	453	475	496
28	627	513	402	356	1,740	1,800	1,110	1,560	482	446	481	496
29	628	-----	382	356	1,750	1,830	1,160	1,500	505	449	481	499
30	633	-----	315	351	1,760	1,830	1,270	1,440	535	447	480	501
31	636	-----	302	-----	1,770	-----	1,370	1,380	-----	454	-----	506
TOTAL	21,138	16,840	14,248	10,051	27,205	47,363	42,700	45,140	18,542	15,549	14,534	15,214
MEAN	682	601	460	335	878	1,579	1,377	1,456	618	502	484	491
MAX	718	664	501	356	1,770	1,830	1,820	1,580	1,320	565	509	506
MIN	623	513	302	287	341	920	1,070	1,300	401	446	455	478
AC-FT	41,930	33,400	28,260	19,940	53,960	93,940	84,700	89,540	36,780	30,840	28,830	30,180
YEAR 1994	MEAN	790	MAX	1,830	MIN	287	AC-FT	572,300				

SOUTH PLATTE RIVER BASIN

SOUTH PLATTE SUPPLY CANAL from South Platte River - 1994

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

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

PERIOD OF RECORD.--1947 - present

REMARKS.--s = submergence

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	513s	442	390s	351	119	0	0	0	0	0	49	0
2	568s	359	521	351	120	0	0	0	0	0	46	46
3	546s	292	612	351	122	0	0	0	0	0	43	33
4	567s	294	632	344	121	0	0	0	0	0	42	0
5	541s	249	556	332	121	0	0	0	0	0	43	0
6	574s	281	517	321	89	0	0	0	0	0	45	0
7	431	375	515	342	62	0	0	0	0	0	45	0
8	301	255	512	325	75	0	0	0	0	0	45	0
9	275	203	510	302	75	0	0	0	0	0	44	0
10	314	299	543	251	74	0	0	0	0	0	45	0
11	448	314	647	239	70	0	0	0	0	0	23	0
12	555	250	702	232	62	0	0	0	0	0	29	0
13	618	187	698	250	55	0	0	0	0	0	44	0
14	657	312	600	313	44	0	0	0	0	11	45	0
15	675	445	702	322	44	0	0	0	0	10	40	91
16	546	606s	575	276	17	0	0	0	0	51	36	101
17	510	698s	495	228	0	0	0	0	0	124	36	101
18	219	718s	407	170	0	0	0	0	0	130	19	101
19	185	667s	357	128	0	0	0	0	0	78	0	100
20	174	699s	301	108	0	0	0	0	0	52	0	139
21	191	713s	275	106	0	0	0	0	0	52	0	152
22	313	641s	245	110	0	0	0	0	0	52	0	144
23	529	473s	236	117	0	0	0	0	0	52	0	144
24	628	468s	317	117	0	0	0	0	0	48	0	144
25	700s	336s	345	111	0	0	0	0	0	48	0	144
26	670s	323s	350	108	0	0	0	0	0	48	0	144
27	384	311s	349	112	0	0	0	0	0	48	0	143
28	240	340s	349	113	0	0	0	0	0	48	0	157
29	224	-----	349	115	0	0	0	0	0	49	0	160
30	293	-----	350	118	0	0	0	0	0	49	0	162
31	406	-----	351	-----	0	-----	0	0	-----	49	-----	76
TOTAL	13,795	11,550	14,308	6,663	1,270	0	0	0	0	999	719	2,282
MEAN	445	413	462	222	41.0	0	0	0	0	32.2	24.0	73.6
MAX	700	718	702	351	122	0	0	0	0	130	49	162
MIN	174	187	236	106	0	0	0	0	0	0	0	0
AC-FT	27,360	22,910	28,380	13,220	2,520	0	0	0	0	1,980	1,430	4,530
YEAR 1994	MEAN	141	MAX	718	MIN	0	AC-FT	102,300				

103

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

STORAGE LEVEL	ELEVATION (feet)	CONTENT (acre-feet)
Maximum operation level	3084.0	174,000
Top of conservation pool	3078.5	157,000
Top of dead storage pool	3030.0	16,360

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	41,600	47,400	46,900	49,200	52,800	44,500	55,000	50,200	40,100	41,500	37,800	37,200
2	41,800	47,400	46,700	49,500	53,000	45,400	54,800	50,300	40,500	41,900	37,100	37,300
3	41,800	46,800	46,700	49,600	53,300	46,300	55,700	50,000	41,400	42,600	36,900	37,400
4	41,900	46,200	46,600	49,700	53,600	47,200	55,800	49,400	42,200	43,100	37,100	37,400
5	42,200	45,700	46,400	50,000	53,600	47,700	56,400	49,200	42,800	43,900	37,100	37,500
6	42,400	45,100	46,200	50,100	53,600	49,200	57,200	49,200	43,000	44,400	35,300	37,700
7	42,900	45,300	46,400	50,200	53,500	50,500	58,400	48,900	43,200	45,000	35,600	37,800
8	42,800	45,400	46,600	50,600	53,500	52,400	59,100	48,900	43,400	45,600	35,900	37,700
9	42,700	45,500	46,800	50,700	53,600	54,100	59,200	48,700	43,100	46,300	35,900	37,700
10	42,500	45,600	46,800	50,900	53,400	55,300	58,800	48,600	43,000	46,300	35,800	37,600
11	42,700	46,400	46,900	51,300	53,400	55,600	58,400	48,800	42,700	46,300	36,000	37,600
12	43,000	46,700	47,500	51,200	53,200	55,600	59,000	48,600	42,400	46,400	36,100	37,700
13	43,300	46,900	47,900	51,300	52,300	56,600	59,800	48,200	42,200	46,400	36,300	37,700
14	43,600	46,500	48,100	51,300	51,100	56,600	60,000	47,400	41,700	46,300	36,500	37,600
15	44,100	47,000	48,000	51,500	50,000	56,200	60,600	46,400	41,200	46,700	36,500	37,600
16	44,500	47,500	48,300	51,500	48,400	55,800	60,900	45,400	41,000	46,800	36,500	37,800
17	44,900	48,100	48,200	51,600	46,900	55,600	61,200	44,500	40,800	46,900	36,500	37,800
18	45,000	48,100	48,000	51,500	45,600	55,000	61,200	44,000	40,900	46,900	36,600	38,000
19	44,900	48,600	47,800	51,400	44,500	54,900	60,900	43,400	40,700	46,800	36,700	38,100
20	45,000	49,000	47,300	51,600	43,400	55,100	60,500	42,900	40,900	46,700	36,700	38,200
21	45,100	50,000	47,600	51,600	42,700	56,400	59,700	42,200	40,900	46,500	36,800	38,400
22	45,400	50,400	47,600	51,700	42,300	57,500	59,200	41,200	40,900	46,300	36,700	38,500
23	46,200	50,100	47,600	51,800	42,100	58,200	57,700	51,000	40,900	46,100	36,900	38,600
24	46,500	49,500	48,000	51,800	41,700	58,100	57,600	40,300	40,800	45,900	36,900	38,700
25	46,800	48,800	48,000	52,100	41,600	58,400	56,400	40,200	41,100	45,800	36,900	38,900
26	46,800	48,300	48,200	51,900	41,600	58,000	56,700	40,000	41,100	45,400	37,000	39,100
27	47,400	47,900	48,200	52,200	41,900	56,800	55,800	39,800	40,800	44,300	37,000	39,200
28	47,500	47,300	48,600	52,500	42,100	55,800	53,900	39,900	40,800	42,200	37,100	39,300
29	47,5											

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

MALONEY RESERVOIR from North Platte River - 1994

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

GAGE.--Staff gage

PERIOD OF RECORD.--1936 - present

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

STORAGE LEVEL	ELEVATION (feet)	CONTENT (acre-feet)
Maximum operating level	3006.0	11,600
Normal operating level	3004.0	10,000

DAILY CONTENTS IN ACRE-FEET FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	18,000	17,500	17,600	17,800	17,800	17,600	17,600	17,500	17,500	17,600	14,800	17,600
2	18,000	17,500	17,600	17,800	17,600	17,600	17,600	17,600	17,600	17,000	15,300	17,600
3	18,000	17,500	17,600	18,000	17,800	17,800	17,600	17,500	17,800	15,600	15,900	17,600
4	18,000	17,600	17,600	18,000	17,600	17,600	17,600	17,500	17,600	14,100	16,700	17,600
5	18,000	17,600	17,800	18,000	17,600	17,600	17,600	17,500	17,600	12,900	17,200	17,600
6	18,000	17,500	17,800	17,800	17,600	17,800	17,800	17,500	17,500	11,300	17,800	17,600
7	18,000	17,800	18,000	17,800	17,600	18,100	18,000	17,600	17,500	9,750	18,100	17,500
8	17,800	17,500	18,000	17,800	17,600	18,000	17,800	17,600	17,500	8,450	18,000	17,500
9	17,800	17,300	18,000	17,800	17,800	18,000	17,800	17,800	17,500	8,100	18,000	17,600
10	18,000	17,800	17,800	17,800	17,800	17,800	17,600	17,800	17,800	7,660	17,800	17,500
11	18,000	18,000	17,800	18,000	17,800	17,800	17,800	17,600	17,800	7,660	17,800	17,600
12	18,000	17,800	18,000	17,800	17,800	17,600	17,800	17,600	17,800	7,440	17,800	17,600
13	17,800	17,800	18,000	17,800	18,000	17,600	17,800	17,600	18,000	7,330	17,600	17,600
14	17,800	18,000	17,800	17,600	17,800	17,800	17,800	17,600	17,600	7,330	17,600	17,600
15	17,800	18,000	17,600	17,600	18,000	17,800	17,800	17,600	17,600	7,660	17,500	17,800
16	17,800	18,000	17,800	17,600	18,000	17,800	18,000	17,500	17,600	7,660	17,500	17,800
17	17,800	18,000	17,800	17,500	18,000	17,800	18,000	17,500	17,500	7,880	17,600	17,800
18	17,800	18,000	18,000	17,600	17,800	17,800	18,000	17,500	17,300	8,100	17,600	17,800
19	17,800	18,000	18,000	17,800	17,600	17,800	17,800	17,500	17,200	8,100	17,600	17,800
20	17,800	18,000	18,000	17,800	17,300	18,000	17,800	17,300	16,800	8,100	17,600	17,800
21	17,800	18,000	17,600	17,600	17,200	18,000	18,000	17,300	17,300	8,220	17,600	17,800
22	17,600	17,800	17,600	17,500	17,300	17,800	18,000	17,300	17,600	8,220	17,600	17,800
23	17,600	17,800	17,600	17,600	17,300	17,800	18,000	17,300	18,000	8,220	17,600	17,800
24	17,600	17,600	17,600	17,800	17,300	17,600	18,000	17,600	18,000	8,220	17,600	17,800
25	17,600	17,800	17,500	17,800	17,300	17,600	17,800	17,600	18,000	8,220	17,800	17,800
26	17,800	17,800	17,500	17,800	17,300	17,600	17,600	17,600	18,000	8,330	17,800	17,800
27	17,800	17,800	17,600	17,800	17,500	17,600	17,300	17,600	17,800	9,020	17,800	17,800
28	17,800	17,600	17,600	17,800	17,600	17,500	17,000	17,500	17,800	10,100	17,800	17,800
29	17,600	-----	17,800	17,800	17,600	17,500	17,200	17,500	17,800	11,700	17,800	17,800
30	17,600	-----	17,800	17,800	17,600	17,300	17,200	17,500	17,800	12,900	17,800	18,000
31	17,500	-----	17,800	-----	17,600	-----	17,300	17,500	-----	14,100	-----	18,000
MAX	18,000	18,000	18,000	18,000	18,000	18,100	18,000	17,800	18,000	17,600	18,100	18,000
MIN	17,500	17,300	17,500	17,500	17,200	17,300	17,000	17,300	16,800	7,330	14,800	17,500
YEAR 1994	MEAN			17,020	MAX			18,100	MIN			7,330

NORTH & SOUTH PLATTE RIVERS

105

SUTHERLAND POWER RETURN to the South Platte River - 1994

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

GAGE---Differential pressure recorder

PERIOD OF RECORD.--1939 - present

REMARKS---Values furnished by Nebraska Public Power District

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1,070	870	925	375	195	1,130	1,570	1,390	1,130	300	315	315
2	1,070	865	925	370	210	1,130	1,520	1,260	850	300	315	315
3	1,060	945	925	370	190	995	1,480	1,250	680	860	318	317
4	1,160	1,010	935	370	195	995	1,380	1,260	560	875	320	316
5	1,200	1,000	935	375	210	995	1,350	1,260	435	890	320	312
6	1,190	1,000	935	375	190	995	1,250	1,220	430	890	320	315
7	1,060	940	935	370	190	935	1,170	1,190	430	895	315	315
8	890	735	795	370	190	865	995	1,160	430	900	320	324
9	930	735	800	370	190	685	995	1,130	430	335	315	321
10	895	685	795	370	195	560	1,120	1,130	435	320	315	320
11	930	575	795	385	230	555	1,290	1,130	420	325	315	321
12	995	625	795	370	225	555	1,350	1,130	415	305	315	321
13	1,000	575	795	370	360	560	1,200	1,120	420	330	315	319
14	995	645	795	375	495	555	1,000	1,220	420	325	315	348
15	995	780	800	370	630	685	935	1,290	420	325	316	381
16	995	830	800	345	750	830	865	1,420	420	325	316	381
17	945	830	800	345	845	990	860	1,620	425	325	317	383
18	740	830	800	350	1,010	1,060	865	1,630	415	340	316	383
19	735	955	795	290	1,140	1,120	865	1,530	420	365	317	384
20	735	930	795	225	1,270	1,180	865	1,630	420	375	316	383
21	740	915	795	225	1,400	1,190	865	1,620	0	370	318	382
22	740	865	625	225	1,400	995	990	1,620	0	370	318	383
23	740	895	510	145	1,400	930	1,120	1,700	0	380	320	394
24	800	895	505	150	1,540	930	1,250	1,520	295	370	320	396
25	885	930	445	150	1,540	1,130	1,250	1,520	295	370	320	373
26	1,020	925	440	180	1,540	1,160	1,200	1,520	295	370	320	375
27	940	930	440	180	1,400	1,280	1,120	1,480	535	325	320	376
28	740	935	445	180	1,270	1,450	1,320	1,440	295	325	315	364
29	740	-----	445	180	1,270	1,770	1,390	1,440	300	320	317	367
30	735	-----	395	185	1,140	1,760	1,530	1,380	300	315	315	355
31	810	-----	370	-----	1,140	-----	1,530	1,260	-----	320	-----	412
TOTAL	28,480	23,650	22,290	8,940	23,950	29,970	36,490	42,470	12,320	13,740	9,514	10,951
MEAN	919	845	719	298	773	999	1,177	1,370	411	443	317	353
MAX	1,200	1,010	935	385	1,540	1,770	1,570	1,700	1,130	900	320	412
MIN	735	575	370	145	190	555	860	1,120	0	300	315	312
AC-FT	56,490	46,910	44,210	17,730	47,500	59,450	72,380	84,240	24,440	27,250	18,870	21,720
YEAR 1994	MEAN	720	MAX	1,770	MIN	0	AC-FT	521,200				

NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER near Keystone - 1994

LOCATION.--SW1/4 Sec. 1-14-38 W., Keith County

GAGE.--Continuous stage recorder

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

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 5,230 cubic feet per second on August 22 at gage height 6.20.
Minimum daily discharge of zero many days Jan. - March and in Nov. & Dec.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	7.4	0	230	2,410	1,700	143	25	27	32
2	0	0	0	37	6.9	218	2,410	1,470	181	29	28	24
3	0	0	0	35	52	217	2,280	1,500	216	29	27	24
4	0	0	0	26	78	220	2,190	1,400	214	30	27	24
5	0	0	0	0	78	220	2,040	1,100	212	30	30	26
6	0	0	0	0	85	277	1,980	874	213	24	30	26
7	0	0	0	0	92	313	1,680	810	213	1.2	30	26
8	0	0	0	0	91	241	1,530	580	214	2.4	29	26
9	0	0	0	0	91	158	1,510	608	219	5.4	25	26
10	0	0	0	0	91	139	1,510	617	216	18	22	27
11	0	0	0	0	92	145	1,620	614	169	31	29	26
12	0	0	0	0	92	156	1,610	609	171	32	43	27
13	0	0	0	0	91	137	1,040	600	168	32	44	26
14	0	0	0	0	95	176	966	605	133	32	39	26
15	0	0	0	0	98	231	546	859	96	30	31	24
16	0	0	0	0	110	292	328	1,350	94	31	30	23
17	0	0	0	0	122	527	338	1,440	77	30	30	23
18	0	0	0	0	133	588	344	1,430	77	30	25	23
19	0	0	0	0	146	595	325	1,420	75	30	24	25
20	0	0	0	0	151	588	307	1,430	71	30	25	24
21	0	0	0	0	150	372	346	1,610	69	30	29	24
22	0	0	0	0	148	218	717	2,210	68	29	34	23
23	0	0	0	0	290	219	1,050	2,020	66	28	33	22
24	0	0	0	0	449	294	1,040	1,920	66	28	33	22
25	0	0	0	15	488	406	859	1,920	66	27	33	22
26	0	0	0	46	381	536	743	1,860	51	28	36	22
27	0	0	0	45	256	746	763	1,660	27	28	36	22
28	0	0	0	25	223	1,370	982	1,310	24	28	35	21
29	0	-----	0	0	230	2,000	1,330	913	24	29	35	21
30	0	-----	0	0	253	2,550	1,870	568	25	27	36	21
31	0	-----	0	-----	251	-----	2,050	239	-----	28	-----	21
TOTAL	0	0	0	236.4	4,913.9	14,379	38,714	37,246	3,658	812.0	935	749
MEAN	0	0	0	7.88	159	479	1,249	1,201	122	26.2	31.2	24.2
MAX	0	0	0	46	488	2,550	2,410	2,210	219	32	44	32
MIN	0	0	0	0	0	137	307	239	24	1.2	22	21
AC-FT	0	0	0	469	9,750	28,520	76,790	73,880	7,260	1,610	1,850	1,490
YEAR 1994	TOTAL	101,643.3	MEAN	278	MAX	2,550	MIN	0	AC-FT	201,600		

NORTH PLATTE RIVER BASIN

107

WHITE TAIL CREEK near Keystone - 1994

LOCATION.--NE1/4 Sec. 1-14-38 W.

GAGE.--Continuous stage recorder.

PERIOD OF RECORD.--1993 - present

REMARKS.--E indicates estimated daily discharge.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	26	27	29	26	26	25	24	26	24	25	27	27
2	26	28E	29	26	26	23	24	26	25	26	26	27
3	25	28	30	26	26	23	25	27	24	25	25	26
4	24	27	29	25	28	22	26	25	27	28	27	26
5	25	27E	29	25	23	22	29	25	23	30	27	24
6	25	28	29	25	24	22	25	30	22	36	27	23E
7	22e	23E	28	26	22	45	29	27	23	28	27	25E
8	23e	22E	28	25	21	28	25	26	22	26	26	27
9	25	24E	28	25	22	28	25	31	21	26	27	25E
10	25	27E	28	26	25	22	25	26	22	26	27	26E
11	24	28	28	26	25	23	24	26	24	25	27	26E
12	25	27	28	30	23	23	25	27	23	25	27	27
13	25	28	28	27	26	23	25	26	23	25	27	26
14	25	29	28	27	26	22	33	25	24	26	26	27
15	23	29	28	27	25	21	33	24	25	30	25	27
16	24	30	28	27	23	23	29	24	25	35	25	26
17	22e	29	27	27	23	23	43	25	25	30	26	28
18	25e	29	27	28	24	22	25	24	25	28	25	28
19	26e	30	27	26	24	22	22	25	24	27	25	28
20	28e	29	26	26	22	22	24	24	24	27	27	28
21	29	28	27	26	25	23	23	24	25	27	26	28
22	30	27	27	25	23	23	23	24	25	26	26	28
23	30	26E	26	25	23	22	23	24	24	26	26	28
24	29	27E	26	25	24	21	24	25	25	26	25	28
25	29	28E	25	24	23	20	25	25	25	27	26	28
26	27	27E	25	26	22	22	23	25	26	27	26	29
27	28	28	24	24	21	23	23	24	26	27	26	28
28	29	28	26	26	22	24	24	24	26	28	27	28
29	29	-----	26	25	23	24	24	24	26	27	26	28
30	29	-----	26	27	22	24	25	24	26	27	26	28
31	28E	-----	26	-----	22	-----	25	23	-----	26	-----	26E
TOTAL	810	768	846	779	734	710	802	785	729	848	786	834
MEAN	26.1	27.4	27.3	26.0	23.7	23.7	25.9	25.3	24.3	27.4	26.2	26.9
MAX	30	30	30	30	28	45	43	31	27	36	27	29
MIN	22	22	24	24	21	20	22	23	21	25	25	23
AC-FT	1,610	1,520	1,680	1,550	1,460	1,410	1,590	1,560	1,450	1,680	1,560	1,650
YEAR 1994	MEAN	25.8	MAX	45	MIN	20	AC-FT	18,710				

NORTH PLATTE RIVER BASIN

KEITH - LINCOLN COUNTY CANAL from North Platte River - 1994

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

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

PERIOD OF RECORD.--1918 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	.50	12	96	86	80	0		
2				0	.07	17	98	88	80	0		
3				0	.01	35	97	90	80	0		
4				0	3.8	35	96	90	79	0		
5				0	20	34	96	89	79	0		
6				0	20	35	81	89	79	0		
7				0	42	14	0	88	78	0		
8				0	63	1.9	37	70	77	0		
9				0	78	0	95	77	73	0		
10				0	0	0	93	78	68	0		
11				0	0	0	93	77	67	0		
12				0	20	0	89	77	65	0		
13				0	18	0	81	77	64	0		
14				0	18	11	80	77	62	0		
15				0	18	49	48	81	61	0		
16				0	18	48	0	87	60	0		
17				0	19	45	0	85	58	0		
18				0	16	45	9.0	84	53	0		
19				0	14	47	66	84	42	0		
20				0	14	59	69	76	41	0		
21				0	14	60	84	84	40	0		
22				0	12	68	86	72	41	0		
23				0	3.9	49	92	87	40	0		
24				0	4.8	17	73	91	40	0		
25				0	13	21	0	91	40	0		
26				0	12	35	24	90	58	0		
27				14	12	54	90	90	63	0		
28				7.1	13	63	89	89	56	0		
29		-----		2.4	13	78	89	89	53	0		
30		-----		1.3	13	86	89	89	44	0		
31		-----		-----	12	-----	87	86	-----	0	-----	
TOTAL				24.8	505.08	1,018.9	2,127.0	2,608	1,821	0		
MEAN				.83	16.3	34.0	68.6	84.1	60.7	0		
MAX				14	78	86	98	91	80	0		
MIN				0	0	0	0	70	40	0		
AC-FT				49	1,000	2,020	4,220	5,170	3,610	0		
YEAR 1994	MEAN	37.9	MAX	98	MIN	0	AC-FT	16,080				

NORTH PLATTE RIVER BASIN

109

NORTH PLATTE CANAL from North Platte River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	24	121	276	270	154			
2				0	63	129	286	261	147			
3				0	63	127	281	266	146			
4				0	66	118	265	239	148			
5				0	66	126	267	204	143			
6				0	71	134	279	188	144			
7				0	71	146	249	184	148			
8				0	72	147	190	195	144			
9				0	70	138	183	194	138			
10				0	71	121	191	212	121			
11				8.4	73	112	190	198	114			
12				0	74	111	197	173	107			
13				0	74	111	195	166	104			
14				49	74	110	215	179	79			
15				54	72	97	217	211	82			
16				64	72	0	166	246	77			
17				75	74	0	151	256	70			
18				74	84	0	132	263	62			
19				72	93	81	120	259	64			
20				72	91	115	103	245	63			
21				72	90	126	100	261	58			
22				72	96	137	115	260	40			
23				73	98	125	154	265	27			
24				72	98	116	164	246	16			
25				73	115	133	183	241	0			
26				78	121	158	193	218	0			
27				79	115	181	211	211	0			
28				84	111	207	238	203	0			
29		-----		83	109	237	261	207	0			
30		-----		35	107	259	294	205	0			
31		-----		-----	104	-----	290	177	-----		-----	
TOTAL				1,189.4	2,582	3,723	6,356	6,903	2,396			
MEAN				39.6	83.3	124	205	223	79.9			
MAX				84	121	259	294	270	154			
MIN				0	24	0	100	166	0			
AC-FT				2,360	5,120	7,380	12,610	13,690	4,750			
YEAR 1994	MEAN	126	MAX	294	MIN	0	AC-FT	45,920				

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

PAXTON-HERSHEY CANAL from North Platte River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	0	53	99	94	79			
2				0	0	53	101	92	67			
3				0	0	52	103	92	74			
4				0	0	52	103	93	73			
5				0	0	48	99	92	67			
6				0	28	46	100	90	68			
7				0	32	59	94	90	67			
8				0	18	61	81	89	67			
9				0	19	58	79	89	68			
10				0	28	52	79	92	63			
11				0	28	46	87	94	49			
12				0	20	44	97	95	42			
13				0	31	44	95	95	41			
14				0	33	41	98	95	44			
15				0	32	42	94	94	42			
16				0	32	51	77	97	35			
17				0	32	53	65	100	31			
18				0	32	53	55	101	34			
19				0	30	54	52	99	37			
20				0	36	55	51	95	37			
21				0	39	55	51	86	36			
22				0	40	47	51	86	37			
23				0	45	31	64	85	38			
24				0	47	38	74	84	39			
25				0	47	53	78	85	38			
26				0	46	55	84	86	38			
27				0	45	58	90	84	37			
28				.11	44	73	97	82	37			
29		-----		3.5	46	97	103	82	18			
30		-----		0	45	103	102	85	0			
31		-----		-----	49	-----	97	85	-----		-----	
TOTAL				3.61	924	1,627	2,600	2,808	1,403			
MEAN				.12	29.8	54.2	83.9	90.6	46.8			
MAX				3.5	49	103	103	101	79			
MIN				0	0	31	51	82	0			
AC-FT				7.2	1,830	3,230	5,160	5,570	2,780			
YEAR 1994	MEAN	51.2	MAX	103	MIN	0	AC-FT	18,580				

NORTH PLATTE RIVER BASIN

111

NORTH PLATTE RIVER near Sutherland - 1994

LOCATION.--SW1/4SW1/4 Sec. 4-14-33 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1917, 1931 - 1933, 1935, Irrigation season only, 1936 - 1992, continuous 12 month record,
1993 - present, May - September irrigation season only.

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					82	115	1,960	1,480	150			
2					44	98	1,870	1,200	58			
3					40	90	1,920	1,070	62			
4					63	86	1,930	1,070	83			
5					65	73	1,790	973	66			
6					48	56	1,620	765	46			
7					51	165	1,790	581	34			
8					72	220	1,450	438	35			
9					73	145	1,280	321	37			
10					72	81	1,250	271	75			
11					77	69	1,200	290	119			
12					67	71	1,340	327	104			
13					52	76	1,150	314	100			
14					56	71	863	303	152			
15					56	71	728	266	108			
16					57	189	437	473	74			
17					64	247	397	831	62			
18					62	419	361	942	52			
19					55	416	284	976	48			
20					61	411	245	1,000	48			
21					66	459	217	1,010	47			
22					67	239	215	1,290	78			
23					75	132	514	1,670	98			
24					162	91	745	1,540	107			
25					259	104	786	1,520	118			
26					268	165	621	1,520	110			
27					207	228	390	1,450	85			
28					127	363	393	1,260	61			
29		-----			98	895	527	948	82			
30		-----			104	1,520	854	636	96			
31		-----		-----	114	-----	1,330	348	-----		-----	
TOTAL					2,764	7,365	30,457	27,083	2,395			
MEAN					89.2	246	982	874	79.8			
MAX					268	1,520	1,960	1,670	152			
MIN					40	56	215	266	34			
AC-FT					5,480	14,610	60,410	53,720	4,750			
PARTIAL YEAR 1994	MEAN	458	MAX	1,960	MIN	34	AC-FT	139,000				

NORTH PLATTE RIVER BASIN

BIRDWOOD CANAL from Birdwood Creek - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	20	32	23	14	5.9		
2					0	20	33	23	14	0		
3					0	21	33	23	15	0		
4					0	21	31	24	15	0		
5					0	24	32	24	15	0		
6					0	20	31	23	15	0		
7					0	29	32	22	16	0		
8					0	33	19	24	16	0		
9					0	35	20	19	16	0		
10					0	30	15	9.9	16	0		
11					0	26	15	8.6	17	0		
12					10	21	15	8.4	17	0		
13					11	20	15	7.7	17	0		
14					12	20	21	7.6	18	0		
15					12	20	13	7.4	18	0		
16					16	20	5.6	16	18	0		
17					24	20	5.7	21	18	0		
18					22	21	6.7	21	18	0		
19					24	20	9.7	21	18	0		
20					26	21	9.1	21	18	0		
21					26	26	8.6	22	18	0		
22					26	7.8	7.7	23	18	0		
23					28	8.1	15	23	18	0		
24					28	25	10	22	18	0		
25					24	29	8.9	22	17	0		
26					27	31	6.3	22	17	0		
27					28	34	7.9	22	17	0		
28					28	33	13	20	16	0		
29		-----			28	31	18	17	16	0		
30		-----			27	32	26	16	16	0		
31		-----		-----	20	-----	29	15	-----	0	-----	
TOTAL					447	718.9	544.2	578.6	500	5.9		
MEAN					14.4	24.0	17.6	18.7	16.7	.19		
MAX					28	35	33	24	18	5.9		
MIN					0	7.8	5.6	7.4	14	0		
AC-FT					887	1,430	1,080	1,150	992	12		
YEAR 1994	MEAN	15.2	MAX	35	MIN	0	AC-FT	5,540				

NORTH PLATTE RIVER BASIN

113

BIRDWOOD CREEK near Hershey - 1994

LOCATION.--NE1/4NW1/4 Sec. 2-14-33 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--May 1931 - 1993, continuous 12 month record, 1994 - present, May - September irrigation season only.

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					149	135	119	119	124			
2					149	139	118	118	127			
3					148	137	121	117	129			
4					156	137	127	118	132			
5					153	138	129	118	124			
6					152	135	124	120	123			
7					150	156	158	121	123			
8					151	161	134	126	123			
9					148	156	126	125	122			
10					149	161	127	124	121			
11					149	176	126	123	122			
12					140	132	127	124	122			
13					140	127	126	123	122			
14					141	127	129	122	124			
15					138	121	139	121	127			
16					134	125	147	118	122			
17					128	133	165	121	122			
18					130	133	148	120	122			
19					129	133	132	120	122			
20					125	135	131	118	123			
21					125	221	131	118	125			
22					124	177	129	116	124			
23					121	171	128	116	122			
24					123	139	166	119	123			
25					135	125	154	121	124			
26					121	123	128	120	125			
27					121	123	123	119	125			
28					123	122	121	116	125			
29		-----			123	122	121	120	125			
30		-----			124	121	120	120	126			
31		-----		-----	130	-----	121	121	-----		-----	
TOTAL					4,229	4,241	4,095	3,722	3,720			
MEAN					136	141	132	120	124			
MAX					156	221	166	126	132			
MIN					121	121	118	116	121			
AC-FT					8,390	8,410	8,120	7,380	7,380			
PARTIAL YEAR 1994	MEAN	131		MAX	221	MIN	116	AC-FT	39,680			

NORTH PLATTE RIVER BASIN

SUBURBAN CANAL from North Platte River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	53	95	87	58			
2					0	49	111	81	49			
3					0	50	120	76	48			
4					0	50	125	77	49			
5					0	50	111	73	51			
6					0	65	112	73	51			
7					4.3	68	121	68	49			
8					65	65	97	73	48			
9					61	56	93	74	48			
10					44	55	92	68	42			
11					42	54	88	75	.98			
12					42	50	87	77	0			
13					41	50	82	76	0			
14					40	50	84	76	0			
15					40	50	61	81	0			
16					40	54	2.3	97	0			
17					41	56	0	113	0			
18					59	59	0	114	0			
19					59	61	0	114	0			
20					59	62	0	112	0			
21					59	62	20	111	0			
22					58	55	52	115	0			
23					58	49	64	114	0			
24					68	44	79	112	0			
25					71	43	75	107	0			
26					41	44	76	88	0			
27					2.8	54	84	76	0			
28					5.3	67	92	64	0			
29		-----			40	79	91	62	0			
30		-----			54	79	94	64	0			
31		-----		-----	55	-----	95	62	-----		-----	
TOTAL					1,149.4	1,683	2,303.3	2,660	493.98			
MEAN					37.1	56.1	74.3	85.8	16.5			
MAX					71	79	125	115	58			
MIN					0	43	0	62	0			
AC-FT					2,280	3,340	4,570	5,280	980			
YEAR 1994	MEAN	54.2	MAX	125	MIN	0	AC-FT	16,440				

NORTH PLATTE RIVER BASIN

115

CODY-DILLON CANAL from North Platte River - 1994

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

REMARKS.--E indicates estimated discharge - no gage height record

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	7.1	10	15	13	16		
2					0	13	15	14	12	19		
3					0	19	15	19	11	20		
4					0	24	16	19	13	19		
5					0	18	16	20	14	19		
6					0	14	13	16	12	18		
7					0	26	11	9.6	13	4.5		
8					0	28	15	11	12	3.5		
9					0	11	16	11	8.8	2.8		
10					0	6.8	18	13	9.5	2.3		
11					0	5.1	19	15	9.4	1.7		
12					0	4.5	22	13	4.0	1.5		
13					0	4.6	20 E	12	2.5	1.7		
14					0	6.9	18 E	14	.21	1.6		
15					0	8.7	13 E	15	.65	1.7		
16					.10	11	11 E	3.6	6.2	2.1		
17					.22	16	8.0E	16	6.9	1.8		
18					2.3	25	6.8E	25	6.8	.08		
19					4.2	33	6.7	27	8.3	0		
20					2.0	26	7.2	27	14	0		
21					1.0	7.4	6.6	28	14	0		
22					1.9	7.4	1.7	32	14	0		
23					.90	3.0	7.5	32	14	0		
24					1.2	1.1	18	24	14	0		
25					6.7	1.0	16	16	15	0		
26					8.7	1.3	15	14	15	0		
27					11	2.5	14	13	15	0		
28					12	3.0	9.0	14	15	0		
29		-----			9.6	3.5	9.4	16	16	0		
30		-----			7.6	3.8	18	24	16	0		
31		-----		-----	6.2	-----	23	21	-----	0	-----	
TOTAL					75.62	341.7	414.9	549.2	325.26	136.28		
MEAN					2.44	11.4	13.4	17.7	10.8	4.40		
MAX					12	33	23	32	16	20		
MIN					0	1.0	1.7	3.6	.21	0		
AC-FT					150	678	823	1,090	645	270		
YEAR 1994	MEAN	10.0	MAX	33	MIN	0	AC-FT	3,660				

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

LINCOLN COUNTY DRAIN NO. 1 at North Platte - 1994

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1931 - 1932, 1955 - 1992, year round record, 1993 - present , May - September partial year record

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					35	66	52	101	126			
2					45	74	54	88	119			
3					57	77	57	97	111			
4					56	73	66	102	120			
5					55	70	70	110	118			
6					55	70	73	111	108			
7					60	73	91	104	112			
8					59	83	92	124	108			
9					59	86	94	122	110			
10					56	93	100	123	106			
11					55	79	92	126	103			
12					52	78	106	124	110			
13					41	79	97	116	112			
14					48	78	91	111	99			
15					52	76	112	110	87			
16					49	64	113	112	85			
17					52	48	143	109	78			
18					51	48	140	117	74			
19					47	51	133	126	74			
20					43	83	121	116	81			
21					44	106	119	117	86			
22					49	99	113	116	84			
23					55	99	117	119	69			
24					58	92	118	116	64			
25					66	86	111	124	58			
26					74	92	94	123	56			
27					71	87	92	120	55			
28					68	74	98	123	55			
29		-----			66	61	98	123	55			
30		-----			66	51	96	123	53			
31		-----		-----	65	-----	105	123	-----		-----	
TOTAL					1,709	2,296	3,058	3,576	2,676			
MEAN					55.1	76.5	98.6	115	89.2			
MAX					74	106	143	126	126			
MIN					35	48	52	88	53			
AC-FT					3,390	4,550	6,070	7,090	5,310			
PARTIAL YEAR 1994	MAX	143	MIN	35	AC-FT	26,410						

NORTH PLATTE RIVER BASIN

117

NORTH PLATTE RIVER at North Platte - 1994

LOCATION.--Sec. 28-14-30 W., Lincoln County

GAGE.--Continuous stage recorder

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.

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 2,110 cubic feet per second on July 8 at gage height 4.91.
Minimum daily discharge 207 cubic feet per second on May 19.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	327	310E	400E	334	338	269	1,620	1,650	553	290	327	355
2	327	310E	400E	329	317	268	1,800	1,570	430	321	345	365
3	332	310E	401	331	316	279	1,860	1,260	383	327	350	378
4	328	300E	401	339	321	255	1,980	1,200	417	333	370	387
5	319	290E	399	347	325	239	1,920	1,200	395	357	375	385E
6	320E	290E	397	351	319	215	1,800	1,070	349	475	371	380E
7	280E	300E	389	338	324	239	1,880	895	340	438	382	370E
8	300E	310E	377	339	295	360	1,960	814	333	372	382	390E
9	300E	320E	375	330	275	426	1,520	649	326	339	401	380E
10	320E	320E	363	333	272	432	1,390	565	328	324	399	370E
11	340E	320E	350	334	280	379	1,350	515	368	317	393	370E
12	340E	330E	356	372	273	325	1,530	511	365	322	381	370E
13	360E	330E	350	390	244	297	1,590	501	348	311	368	360E
14	360E	330E	355	353	243	278	1,180	484	339	309	391	370E
15	350E	340E	351	320	227	265	1,100	468	330	338	384	370E
16	320E	330E	343	296	224	270	972	438	313	447	382	360E
17	310E	330E	350	284	225	317	813	665	289	443	369	360E
18	300E	330E	353	272	213	400	810	881	274	413	373	370E
19	350E	320E	342	276	207	493	661	968	266	377	367	380E
20	480E	320E	332	272	212	504	576	978	268	363	397	400E
21	400E	310E	328	279	224	706	580	1,010	281	359	420	410E
22	380E	300E	324	280	231	678	491	1,110	307	352	394	382
23	370E	300E	319	282	235	482	522	1,480	313	355	382	382
24	360E	300E	308	265	239	397	910	1,770	302	355	387	370
25	350E	290E	315	262	331	360	1,060	1,700	302	349	400	368
26	340E	300E	321	280	397	383	932	1,690	305	336	392	366
27	330E	320E	322	291	430	418	749	1,690	306	324	396	372
28	320E	380E	318	301	341	421	562	1,610	294	329	382	374
29	310E	-----	324	333	283	613	620	1,420	277	311	384	373
30	300E	-----	334	343	259	1,080	791	1,030	284	307	354	387
31	300E	-----	335	-----	262	-----	1,240	777	-----	320	-----	385E
TOTAL	10,423	8,840	10,932	9,456	8,682	12,048	36,769	32,569	9,985	10,913	11,398	11,639
MEAN	336	316	353	315	280	402	1,186	1,051	333	352	380	375
MAX	480	380	401	390	430	1,080	1,980	1,770	553	475	420	410
MIN	280	290	308	262	207	215	491	438	266	290	327	355
AC-FT	20,670	17,530	21,680	18,760	17,220	23,900	72,930	64,600	19,810	21,650	22,610	23,090
YEAR 1994	TOTAL	173,654	MEAN	476	MAX	1,980	MIN	207	AC-FT	344,400		

SOUTH PLATTE RIVER BASIN

LODGEPOLE CREEK at Tomich Ranch - 1994

LOCATION.--Sec. 34-15-57 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--May 1994 - present - May through September only. Station previously upstream 2 miles upstream at different datum.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					4.6	1.2	1.4	.86	.59			
2					4.7	1.3	1.3	.72	.66			
3					4.8	1.4	1.3	.85	.72			
4					4.8	1.4	1.3	.86	.80			
5					4.7	1.4	1.4	.81	.77			
6					4.7	1.4	1.3	.73	.87			
7					4.6	1.4	1.2	.75	.86			
8					4.2	1.5	1.3	.65	.81			
9					4.1	1.5	1.3	.56	.75			
10					4.1	1.5	1.2	.45	.76			
11					4.0	1.7	1.0	.44	.73			
12					4.0	1.9	1.1	.43	.70			
13					4.1	2.0	1.4	.43	.66			
14					4.4	1.8	3.1	.42	.60			
15					4.0	2.0	6.1	.40	.60			
16					4.1	2.0	3.2	.41	.56			
17					4.1	1.5	2.3	.39	.51			
18					4.0	1.4	2.3	.38	.55			
19					3.9	1.4	2.3	.37	.61			
20					3.7	1.3	2.3	.39	.64			
21					3.7	3.1	2.4	.38	.65			
22					3.7	16	2.2	.42	.86			
23					3.7	2.0	2.1	.45	.99			
24					4.0	1.6	2.0	.48	.93			
25					4.2	1.5	1.9	.47	.90			
26					4.1	1.6	1.8	.48	1.0			
27					4.2	1.4	1.7	.54	.99			
28					4.6	1.4	1.6	.61	1.2			
29		-----			4.3	1.4	1.4	.66	1.5			
30		-----			1.3	1.4	1.2	.58	1.5			
31		-----		-----	.96	-----	1.0	.57	-----		-----	
TOTAL					124.36	62.4	57.4	16.94	24.27			
MEAN					4.01	2.08	1.85	.55	.81			
MAX					4.8	16	6.1	.86	1.5			
MIN					.96	1.2	1.0	.37	.51			
AC-FT					247	124	114	34	48			
YEAR 1994	MEAN	1.87	MAX	16	MIN	.37	AC-FT	566				

SOUTH PLATTE RIVER BASIN

119

OLIVER RESERVOIR on Lodgepole Creek - 1994

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

GAGE.--Staff gage

PERIOD OF RECORD.--1977 - present

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

Date	Contents (Acre-feet)
January 10, 1994	2,327
March 25, 1994	2,523
May 5, 1994	2,541
June 16, 1994	2,264
June 30, 1994	2,322
July 12, 1994	2,176
July 26, 1994	2,090
August 18, 1994	1,851
August 25, 1994	1,761
September 1, 1994	1,676
September 16, 1994	1,502
October 4, 1994	1,602

SOUTH PLATTE RIVER BASIN

LODGEPOLE CREEK below Oliver Reservoir - 1994

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1981 - 1992, continuous record, 1993 - present, May - September partial year record.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					.29	.38	.66	.60	.64			
2					.29	.23	.70	.68	.59			
3					.32	.18	.66	.68	.54			
4					.31	.17	.70	.68	.57			
5					.27	.20	.72	.69	.60			
6					.22	.23	.71	.69	.76			
7					.24	.21	.72	.60	.78			
8					.22	.21	.66	.59	.94			
9					.16	.19	.65	.56	1.4			
10					.24	.13	.64	.52	1.3			
11					.25	.20	.68	.53	1.3			
12					.22	.26	.78	.50	1.0			
13					.25	.23	.78	.52	.68			
14					.22	.21	.86	.50	.63			
15					.23	.22	.71	.41	.65			
16					.25	.27	.65	.40	.56			
17					.24	.74	.68	.39	.48			
18					.29	.97	.69	.45	.47			
19					.25	.88	.66	.40	.47			
20					.14	.83	.72	.31	.46			
21					.18	.91	.69	.29	.56			
22					.17	1.0	.60	.28	.48			
23					.22	.85	.54	.24	.38			
24					.28	.80	.57	.20	.28			
25					.29	.76	.60	.18	.29			
26					.26	.82	.61	.29	.30			
27					.23	.83	.53	.49	.28			
28					.22	.87	.57	.50	.31			
29		-----			.21	.85	.60	.50	.34			
30		-----			.28	.72	.60	.51	.27			
31		-----		-----	.27	-----	.62	.50	-----		-----	
TOTAL					7.51	15.35	20.56	14.68	18.31			
MEAN					.24	.51	.66	.47	.61			
MAX					.32	1.0	.86	.69	1.4			
MIN					.14	.13	.53	.18	.27			
AC-FT					15	30	41	29	36			
YEAR 1994	MEAN	.50	MAX	1.4	MIN	.13	AC-FT	152				

SOUTH PLATTE RIVER BASIN

121

WESTERN CANAL from South Platte River - 1994

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1918 - present

REMARKS.--E indicates estimated discharge - no gage height record

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	87E	83	28	29	15	77		
2				0	88E	100	24	28	15	81		
3				0	88E	141	23	27	15	87		
4				0	87	74	20E	29	11	100		
5				0	78	45	19E	25	8.5	104		
6				0	60	76	22	23	8.2	92		
7				0	69	90	44	32	11	124		
8				0	75	83	52	30	11	74		
9				0	73	76	46	26	8.2	32		
10				0	70	69	30	22	8.7	25		
11				0	71	60	26	24	7.5	45		
12				0	62	53	34	22	8.0	58		
13				0	62	45	31	20	10	58		
14				0	64	32	52	19	14	77		
15				0	60	23	23	19	13	92		
16				0	58	19	20	21	12	65		
17				0	50	18	23	18	13	51		
18				0	45	17	24	20	12	42		
19				0	41	13	27	19	12	35		
20				1.0	39	14	38	20	12	32 E		
21				51	42	40	36	15	14	29		
22				82	40	36	32	15	12	27		
23				62	41	33	32	22	17	26		
24				58	50	23	29	22	20	53		
25				65	47	22	29	20	21	43		
26				80	56	21	29	23	23	31		
27				72	70	24	28	19	21	30		
28				71	72	24	30	14	22	31		
29				79	66	27	30	15	29	30		
30				82 E	57	29	28	14	63	8.0E		
31				-----	52	-----	26	15	-----	0	-----	
TOTAL				703.0	1,920	1,410	935	667	467.1	1,659.0		
MEAN				23.4	61.9	47.0	30.2	21.5	15.6	53.5		
MAX				82	88	141	52	32	63	124		
MIN				0	39	13	19	14	7.5	0		
AC-FT				1,390	3,810	2,800	1,850	1,320	926	3,290		
YEAR 1994	MEAN	36.3	MAX	141	MIN	0	AC-FT	15,390				

SOUTH PLATTE RIVER BASIN

SOUTH PLATTE RIVER at North Platte - 1994

LOCATION.--NE1/4NE1/4 Sec. 8-13-30 W., Lincoln County

GAGE.--Continuous stage recorder

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
E indicates estimated daily discharge.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 760 cubic feet per second on February 11.
Minimum daily discharge 105 cubic feet per second on September 14.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	266	358	365	226	224	182	157	190	163	107	150	178
2	345	325	377	232	214	182	144	185	160	105	146	183
3	353	293	386	228	212	178	145	175	159	104	144	189
4	334	294	380	209	227	157	156	172	167	101	146	187
5	361	313	379	204	224	151	132	171	171	104	150	193
6	346	312	314	201	216	170	121	174	169	156	150	198
7	279	331	293	200	216	260	195	173	164	109	149	205
8	275	320	296	208	243	280	213	171	153	94	143	200
9	267	322	323	208	261	264	194	156	144	94	140	186
10	276	300E	313	208	246	278	193	176	141	94	143	199
11	287	500E	332	211	234	264	183	178	132	103	147	231
12	295	400E	322	240	219	249	224	180	116	129	148	249
13	311	275	248	253	207	230	183	166	112	134	153	244
14	343	303	244	247	207	208	175	157	105	145	157	241
15	346	327	281	224	203	197	196	136	107	167	155	241
16	315	328	263	216	204	186	185	116	107	207	154	219
17	306	351	247	216	198	186	210	129	107	224	154	218
18	314	361	243	216	199	189	226	135	107	207	151	225
19	362	426	238	213	200	186	206	132	107	169	154	228
20	428	483	217	217	188	174	177	131	106	157	168	245
21	354	500	203	220	182	236	170	140	107	163	181	249
22	345	478	203	220	174	248	177	138	110	168	182	231
23	355	335	210	215	174	243	186	125	110	168	182	228
24	382	352	223	190	185	206	195	124	110	163	182	232
25	380	334	234	184	218	189	185	133	112	148	182	233
26	371	314	235	196	198	189	158	127	113	147	184	238
27	299	359	240	192	202	177	153	111	110	149	193	244
28	324	343	238	231	195	155	143	137	107	145	193	240
29	414	-----	216	245	188	162	151	138	107	140	185	235
30	379	-----	231	228	182	154	156	146	107	144	182	214
31	342	-----	230	-----	182	-----	168	155	-----	149	-----	214
TOTAL	10,354	9,937	8,524	6,498	6,422	6,130	5,457	4,677	3,790	4,394	4,848	6,817
MEAN	334	355	275	217	207	204	176	151	126	142	162	220
MAX	428	500	386	253	261	280	226	190	171	224	193	249
MIN	266	275	203	184	174	151	121	111	105	94	140	178
AC-FT	20,540	19,710	16,910	12,890	12,740	12,160	10,820	9,280	7,520	8,720	9,620	13,520
YEAR 1994	TOTAL	77,848	MEAN	213	MAX	500	MIN	94	AC-FT	154,400		

PLATTE RIVER BASIN

123

TRI-COUNTY CANAL from Platte River - 1994

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

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

PERIOD OF RECORD.--1941 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1,830	1,690	1,940	983	826	1,650	2,190	2,180	1,800	711	842	904
2	1,900	1,710	2,010	963	883	1,670	2,200	2,170	1,430	762	837	914
3	1,930	1,690	1,970	979	785	1,570	2,170	2,060	1,180	1,270	816	936
4	1,970	1,810	1,900	957	832	1,500	2,160	1,920	1,030	1,380	889	888
5	2,050	1,790	1,850	940	856	1,460	2,160	1,920	876	1,420	892	869
6	1,960	1,740	1,780	943	814	1,460	2,160	1,960	868	1,630	875	729
7	1,290	1,440	1,770	913	847	1,520	2,170	1,630	891	1,540	864	778
8	1,060	733	1,630	949	813	1,600	2,160	1,900	893	1,480	861	1,050
9	1,070	896	1,630	975	793	1,520	2,150	1,660	851	889	837	939
10	1,290	953	1,620	952	765	1,550	2,150	1,480	871	800	832	885
11	1,640	950	1,650	963	788	1,350	1,980	1,420	987	781	856	902
12	1,760	1,100	1,640	1,180	772	1,240	2,110	1,500	960	775	875	912
13	1,860	1,450	1,560	1,260	813	1,110	2,170	1,510	950	796	911	890
14	1,840	1,640	1,550	1,170	926	1,030	2,150	1,520	938	832	906	1,000
15	1,650	1,730	1,570	1,060	1,080	1,080	2,160	1,550	930	892	867	1,060
16	1,700	1,750	1,530	945	1,200	1,260	2,120	1,540	918	1,050	877	1,040
17	1,520	1,790	1,540	913	1,290	1,480	2,080	1,940	883	1,180	852	1,050
18	1,070	1,890	1,480	895	1,440	1,690	2,070	2,170	867	1,130	832	1,080
19	1,120	2,120	1,480	906	1,570	1,910	1,890	2,150	860	1,010	848	1,100
20	1,160	2,150	1,460	830	1,680	1,940	1,720	2,180	873	1,030	880	1,140
21	1,200	2,100	1,440	805	1,810	2,150	1,660	2,180	652	969	928	1,130
22	1,460	1,950	1,330	804	1,840	2,110	1,540	2,170	638	884	912	1,080
23	1,690	1,720	1,160	746	1,870	1,810	1,510	2,140	637	927	899	1,070
24	1,710	1,820	1,060	728	1,990	1,520	1,920	2,170	738	955	900	1,060
25	1,760	1,730	987	772	2,110	1,560	2,130	2,180	748	922	913	1,070
26	1,810	1,750	1,060	761	2,190	1,510	2,140	2,160	743	910	916	1,060
27	1,550	1,870	1,090	757	2,200	1,550	1,900	2,170	765	924	920	1,090
28	1,420	1,920	1,050	829	1,990	1,530	1,630	2,170	753	884	882	1,040
29	1,500	-----	1,020	866	1,830	1,650	1,740	2,180	721	821	859	1,040
30	1,530	-----	981	856	1,670	1,970	1,890	2,150	721	804	890	1,000
31	1,590	-----	1,010	-----	1,640	-----	2,120	2,150	-----	830	-----	1,030
TOTAL	48,890	45,882	45,748	27,600	40,913	46,950	62,300	60,180	26,972	31,188	26,268	30,736
MEAN	1,577	1,639	1,476	920	1,320	1,565	2,010	1,941	899	1,006	876	991
MAX	2,050	2,150	2,010	1,260	2,200	2,150	2,200	2,180	1,800	1,630	928	1,140
MIN	1,060	733	981	728	765	1,030	1,510	1,420	637	711	816	729
AC-FT	96,970	91,010	90,740	54,740	81,150	93,130	123,600	119,400	53,500	61,860	52,100	60,960
YEAR 1994	MEAN	1,352	MAX	2,200	MIN	637	AC-FT	979,100				

PLATTE RIVER BASIN

JEFFREY RESERVOIR from Platte River - 1994

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1977 - present

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

STORAGE LEVEL	ELEVATION (feet)	CONTENT (acre-feet)
Normal operating level	2758.0	11,500
Top of dead storage pool	2734.2	6,350

DAILY CONTENTS IN ACRE-FEET FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5,400	5,400	5,570	5,400	5,790	5,570	5,570	5,680	5,730	5,680	5,620	5,460
2	5,400	5,400	5,510	5,460	5,680	5,510	5,790	5,620	5,130	5,680	5,620	5,570
3	5,510	5,510	5,460	5,510	5,570	5,570	5,510	5,680	5,400	5,680	5,680	5,620
4	5,620	5,730	5,180	5,570	5,620	5,570	5,570	5,510	5,510	5,400	5,730	5,620
5	5,620	5,790	4,960	5,510	5,620	5,510	5,620	5,510	5,570	4,910	5,730	5,680
6	5,620	5,900	4,710	5,510	5,620	5,510	5,840	5,620	5,730	4,460	5,790	5,350
7	4,910	5,510	4,860	5,460	5,570	5,510	5,900	5,680	5,790	2,160	5,790	5,130
8	4,660	5,240	4,910	5,570	5,570	5,620	5,790	5,840	5,680	3,390	5,620	5,460
9	4,960	5,240	5,070	5,570	5,510	5,570	5,730	5,570	5,620	3,720	5,510	5,570
10	5,240	5,180	5,400	5,510	5,510	5,620	5,730	5,400	5,570	3,720	5,620	5,620
11	5,510	5,290	5,570	5,680	5,460	5,400	5,570	5,510	5,460	3,630	5,620	5,680
12	5,570	5,290	5,680	5,730	5,180	5,180	5,570	5,730	5,510	3,440	5,680	5,620
13	5,680	5,240	5,680	5,570	5,070	5,290	5,840	5,790	5,350	3,440	5,680	5,620
14	5,730	5,020	5,570	5,570	5,240	5,570	5,620	5,840	5,400	3,340	5,570	5,620
15	5,510	4,810	5,570	5,510	5,460	5,680	5,620	5,840	5,400	3,530	5,460	5,570
16	5,290	4,960	5,570	5,510	5,460	5,680	5,570	5,620	5,400	3,680	5,460	5,510
17	5,510	5,350	5,460	5,460	5,240	5,730	5,510	5,620	5,400	4,010	5,460	5,290
18	5,350	5,570	5,400	5,570	5,180	5,730	5,620	5,680	5,350	3,680	5,400	5,290
19	5,290	5,570	5,290	5,570	5,290	5,950	5,570	5,510	5,510	3,530	5,460	5,350
20	5,290	5,400	5,070	5,570	5,350	5,840	5,570	5,290	5,790	3,910	5,510	5,510
21	5,130	5,130	5,130	5,680	5,570	5,730	5,570	5,130	5,730	4,060	5,620	5,400
22	5,070	4,960	5,130	5,730	5,730	5,620	5,510	5,510	5,510	4,010	5,570	5,350
23	5,130	4,610	5,020	5,790	5,510	5,460	5,180	5,460	5,290	3,960	5,510	5,350
24	5,020	4,910	5,180	5,790	5,510	5,290	5,460	5,460	5,130	4,060	5,510	5,400
25	4,910	5,290	5,460	5,790	5,350	5,460	5,680	5,510	5,290	4,160	5,570	5,460
26	4,910	5,240	5,620	5,790	5,240	5,460	5,570	5,510	5,460	4,610	5,510	5,460
27	4,910	5,510	5,840	5,790	5,240	5,460	5,400	5,510	5,620	4,910	5,510	5,460
28	5,180	5,620	5,680	5,730	5,290	5,400	5,680	5,460	5,620	5,180	5,510	5,460
29	5,620	-----	5,510	5,790	5,510	5,290	5,680	5,400	5,680	5,400	5,400	5,460
30	5,510	-----	5,460	5,900	5,460	5,460	5,790	5,460	5,680	5,400	5,460	5,400
31	5,350	-----	5,350	-----	5,510	-----	5,790	5,620	-----	5,570	-----	5,400
MAX	5,730	5,900	5,840	5,900	5,790	5,950	5,900	5,840	5,790	5,680	5,790	5,680
MIN	4,660	4,610	4,710	5,400	5,070	5,180	5,180	5,130	5,130	2,160	5,400	5,130
YEAR 1994			MEAN	5,381	MAX	5,950	MIN	2,160				

PLATTE RIVER BASIN

125

JEFFERY POWER RETURN to Platte River - 1994

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	201	286	177	251	0	0	0
2	0	0	0	0	0	201	62	114	0	0	0	0
3	0	0	0	0	0	197	29	334	0	0	0	0
4	0	0	0	0	0	226	26	335	0	0	0	0
5	0	0	0	0	0	261	24	287	0	0	0	0
6	0	0	0	0	0	297	28	307	0	0	0	0
7	0	0	0	0	0	176	38	384	0	0	0	0
8	0	0	0	0	0	77	26	290	0	0	0	0
9	0	0	0	0	0	77	71	565	0	0	0	0
10	0	0	0	0	0	53	416	458	0	0	0	0
11	0	0	0	0	0	54	461	373	0	0	0	0
12	0	0	0	0	0	83	34	384	0	0	0	0
13	0	0	0	0	0	191	0	420	0	0	0	0
14	0	0	0	0	0	165	0	558	0	0	0	0
15	0	0	0	0	0	255	69	462	0	0	0	0
16	0	0	0	0	0	176	60	536	0	0	0	0
17	0	0	0	0	0	140	135	474	0	0	0	0
18	0	0	0	0	0	114	247	479	0	0	0	0
19	0	0	0	0	0	287	293	474	0	0	0	0
20	0	0	0	0	0	328	339	511	0	0	0	0
21	0	0	0	0	86	65	420	342	0	0	0	0
22	0	0	0	0	101	104	415	384	0	0	0	0
23	0	0	0	0	170	342	434	236	0	0	0	0
24	0	0	0	0	206	387	301	20	0	0	0	0
25	0	0	0	0	235	397	311	0	0	0	0	0
26	0	0	0	0	93	454	379	0	0	0	0	0
27	0	0	0	0	54	531	610	0	0	0	0	0
28	0	0	0	0	169	575	481	0	0	0	0	0
29	0	-----	0	0	230	605	438	0	0	0	0	0
30	0	-----	0	0	224	480	471	111	0	0	0	0
31	0	-----	0	-----	194	-----	430	352	-----	0	-----	0
TOTAL	0	0	0	0	1,762	7,499	7,334	9,367	251	0	0	0
MEAN	0	0	0	0	56.8	250	237	302	8.37	0	0	0
MAX	0	0	0	0	235	605	610	565	251	0	0	0
MIN	0	0	0	0	0	53	0	0	0	0	0	0
AC-FT	0	0	0	0	3,490	14,870	14,550	18,580	498	0	0	0
YEAR 1994	MEAN	71.8	MAX	610	MIN	0	AC-FT	51,990				

PLATTE RIVER BASIN

ELWOOD RESERVOIR from Platte River - 1994

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1978 - present

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

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

STORAGE LEVEL	ELEVATION (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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	24,800	23,200	22,200	20,800	24,800	32,700	32,600	22,700	12,200	13,400	15,700	14,600
2	24,800	23,200	22,200	20,700	25,100	32,900	32,200	22,200	12,200	13,700	15,700	14,600
3	24,700	23,100	22,200	20,700	25,500	33,000	31,900	21,800	12,200	14,000	15,600	14,500
4	24,700	23,100	22,200	20,600	25,700	33,200	31,600	21,400	12,200	14,200	15,600	14,500
5	24,600	23,100	22,100	20,600	26,000	33,400	31,100	21,000	12,200	14,400	15,500	14,400
6	24,500	23,100	22,100	20,600	26,400	33,600	30,700	20,600	12,200	14,800	15,500	14,400
7	24,400	23,000	22,000	20,500	26,600	33,800	30,400	20,200	12,100	14,900	15,500	14,400
8	24,300	22,900	22,000	20,600	26,900	34,100	30,200	19,900	12,100	15,300	15,400	14,400
9	24,300	22,900	21,900	21,000	27,200	34,300	29,800	19,500	12,000	15,500	15,300	14,300
10	24,300	22,800	21,900	21,400	27,500	34,500	29,500	19,100	12,000	15,700	15,300	14,300
11	24,200	22,800	21,800	21,800	27,800	34,600	29,100	18,700	12,000	16,000	15,300	14,200
12	24,200	22,700	21,800	21,800	28,000	34,800	28,900	18,300	12,000	16,300	15,300	14,200
13	24,100	22,700	21,800	21,800	28,200	34,900	28,600	17,900	11,900	16,500	15,200	14,200
14	24,100	22,700	21,700	21,800	28,500	35,100	28,300	17,400	11,900	16,500	15,100	14,200
15	24,000	22,700	21,700	21,700	28,800	35,200	28,000	17,100	11,900	16,400	15,100	14,100
16	23,900	22,600	21,600	21,600	29,100	35,500	27,900	16,700	11,800	16,400	15,100	14,100
17	23,900	22,500	21,600	21,500	29,400	35,600	27,900	16,300	11,800	16,400	15,000	14,100
18	23,800	22,500	21,500	21,500	29,600	35,600	27,800	16,200	11,800	16,300	14,900	14,000
19	23,800	22,400	21,400	21,400	29,900	35,600	27,800	15,400	11,800	16,300	14,900	14,000
20	23,700	22,400	21,400	21,400	30,100	35,500	27,700	15,000	11,800	16,300	14,900	14,000
21	23,700	22,400	21,400	21,400	30,300	35,300	27,300	14,800	11,700	16,200	14,900	13,900
22	23,700	22,400	21,300	21,800	30,500	35,200	26,800	14,400	11,700	16,200	14,900	13,900
23	23,700	22,500	21,300	22,200	30,900	35,000	26,400	14,000	11,600	16,100	14,800	13,900
24	23,600	22,400	21,200	22,500	31,100	34,900	26,000	13,500	11,500	16,100	14,800	13,800
25	23,600	22,300	21,100	22,800	31,300	34,700	25,600	13,100	11,500	16,000	14,800	13,800
26	23,500	22,300	21,100	23,100	31,500	34,500	25,100	12,900	11,900	16,000	14,800	13,800
27	23,500	22,200	21,000	23,500	31,700	34,200	24,700	12,600	12,200	16,000	14,800	13,700
28	23,500	22,200	21,000	23,800	31,900	33,800	24,300	12,500	12,600	15,900	14,700	13,700
29	23,400	-----	21,000	24,200	32,100	33,300	23,800	12,300	12,900	15,900	14,700	13,700
30	23,300	-----	20,900	24,500	32,400	33,000	23,400	12,300	13,100	15,800	14,600	13,700
31	23,300	-----	20,900	-----	32,500	-----	23,000	12,300	-----	15,700	-----	13,600
MAX	24,800	23,200	22,200	24,500	32,500	35,600	32,600	22,700	13,100	16,500	15,700	14,600
MIN	23,300	22,200	20,900	20,500	24,800	32,700	23,000	12,300	11,500	13,400	14,600	13,600
YEAR 1994			MEAN	21,260	MAX	35,600	MIN	11,500				

PLATTE RIVER BASIN

127

JOHNSON RESERVOIR from Platte River - 1994

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1977 - present

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

STORAGE LEVEL	ELEVATION (feet)	CONTENT (acre-feet)
Normal operating level	2621.0	54,000
Low water level	2601.5	17,880

DAILY CONTENTS IN ACRE-FEET FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	40,525	41,465	39,820	39,350	42,435	42,185	38,880	42,935	43,435	32,425	42,935	43,435
2	40,290	41,230	40,290	39,115	42,685	42,185	38,880	43,935	44,685	30,990	43,685	43,185
3	40,525	41,230	40,525	38,880	42,935	43,185	40,055	44,435	45,185	29,985	43,685	43,185
4	40,290	41,700	40,760	39,350	42,935	43,935	41,230	44,435	44,935	31,400	43,435	42,935
5	40,760	41,700	41,230	39,350	42,935	44,435	42,685	44,685	44,685	32,015	42,685	42,935
6	40,995	41,700	41,230	39,115	42,935	44,185	43,685	45,185	43,935	34,595	42,185	43,185
7	41,230	42,435	41,700	39,350	42,685	44,435	44,935	45,185	44,685	36,575	41,935	43,185
8	40,760	42,185	41,700	39,820	42,685	45,685	44,935	44,935	45,685	39,350	41,700	42,685
9	39,820	41,230	40,995	39,820	42,185	45,185	44,685	45,185	45,185	40,760	40,995	42,935
10	39,585	40,525	40,995	40,055	41,935	45,185	44,185	44,935	44,935	40,525	40,760	43,185
11	39,585	40,055	40,760	40,760	40,995	45,435	44,435	44,185	44,435	39,350	40,760	42,935
12	40,055	39,820	40,760	42,435	40,525	45,185	44,685	43,435	44,435	37,470	40,995	43,185
13	40,290	39,820	40,760	43,185	40,055	44,935	44,935	43,185	43,935	35,915	41,230	43,435
14	40,995	40,055	41,230	43,185	39,115	44,685	45,185	42,185	43,685	34,155	40,760	43,685
15	40,995	40,525	40,995	43,185	38,175	43,685	44,935	41,465	43,185	33,715	40,525	43,185
16	40,525	40,525	41,230	43,435	37,470	42,685	44,685	40,055	42,935	34,155	40,525	42,935
17	40,290	40,760	40,760	43,185	37,015	42,435	44,935	39,350	42,935	36,135	40,760	42,935
18	40,055	41,465	40,525	43,935	37,015	42,935	44,935	38,645	43,185	35,695	40,760	43,185
19	40,055	41,935	40,760	44,685	37,015	42,685	44,435	37,940	43,185	34,815	40,760	43,185
20	40,525	42,185	40,760	45,185	36,795	42,435	44,435	37,235	42,685	34,595	41,230	43,435
21	41,230	42,435	40,995	45,185	37,235	43,685	45,185	37,470	42,435	34,815	41,465	43,185
22	41,700	42,935	40,760	44,935	37,015	45,185	44,935	37,015	41,700	35,255	41,700	43,185
23	41,935	43,185	40,760	44,685	37,705	44,435	44,685	36,135	41,465	36,135	41,935	43,185
24	41,700	42,685	40,995	43,935	37,705	44,685	44,685	36,575	40,995	35,695	41,935	42,935
25	41,700	41,700	40,290	43,935	38,175	44,185	45,497	37,015	40,760	36,575	41,285	42,935
26	42,185	40,760	39,820	43,935	38,880	43,685	45,185	37,940	39,350	37,705	42,435	42,935
27	42,185	39,820	39,820	43,185	39,585	42,935	44,935	38,410	37,940	38,645	42,935	42,935
28	41,700	39,350	39,820	43,685	40,760	42,185	44,185	39,350	36,575	39,115	42,935	42,935
29	41,700	-----	39,820	43,435	41,465	40,290	43,185	40,525	34,815	40,290	43,185	42,685
30	41,700	-----	40,055	42,935	41,230	39,350	42,435	41,935	33,495	40,995	43,185	42,685
31	41,700	-----	39,585	-----	41,700	-----	41,935	42,935	-----	41,935	-----	42,935
MAX	42,185	43,185	41,700	45,185	42,935	45,685	45,497	45,185	45,685	41,935	43,685	43,685
MIN	39,585	39,350	39,585	38,880	36,795	39,350	38,880	36,135	33,495	29,985	40,525	42,685
YEAR 1994			MEAN	41,432	MAX	45,685	MIN	29,985				

PLATTE RIVER BASIN

PHELPS COUNTY CANAL from Platte River via Tri-County Canal - 1994

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	124	294	878	720	291			
2				0	124	267	904	814	223			
3				0	132	267	867	646	196			
4				0	148	278	610	576	66			
5				0	146	294	547	520	37			
6				0	113	299	571	452	74			
7				0	109	288	408	425	91			
8				0	117	233	317	402	56			
9				0	158	264	341	519	24			
10				0	193	290	298	511	0			
11				0	189	276	448	538	0			
12				0	158	238	750	483	0			
13				0	167	228	680	481	0			
14				0	171	250	617	507	0			
15				0	217	274	467	608	0			
16				0	236	280	341	707	0			
17				0	273	294	202	803	0			
18				0	248	320	164	828	0			
19				0	234	361	194	820	0			
20				0	240	442	250	792	0			
21				0	237	370	311	781	0			
22				0	236	316	454	829	0			
23				0	237	348	544	904	0			
24				0	247	299	512	943	0			
25				36	256	318	498	893	0			
26				78	260	337	498	813	0			
27				74	274	453	556	722	0			
28				75	273	591	609	650	0			
29		-----		103	273	857	661	590	0			
30		-----		125	285	828	693	520	0			
31		-----		-----	297	-----	645	426	-----		-----	
TOTAL				491	6,372	10,454	15,835	20,223	1,058			
MEAN				16.4	206	348	511	652	35.3			
MAX				125	297	857	904	943	291			
MIN				0	109	228	164	402	0			
AC-FT				974	12,640	20,740	31,410	40,110	2,100			
YEAR 1994	MEAN	297	MAX	943	MIN	0	AC-FT	108,000				

PLATTE RIVER BASIN

129

JOHNSON POWER RETURN to Platte River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1,637	1,287	1,329	892	263	0	0	0	0	866	61.0	627
2	1,668	1,358	1,611	747	227	0	0	1.0	9.0	859	375	652
3	1,500	1,378	1,635	824	273	14.0	0	103	601	866	729	705
4	1,476	1,326	1,713	593	250	12.0	0	4.0	461	299	721	729
5	1,492	1,375	1,727	724	184	6.0	0	0	460	411	825	717
6	1,612	1,342	1,740	850	221	13.0	0	0	476	151	801	733
7	1,613	1,255	1,386	562	248	0	270	69.0	253	43.0	811	727
8	1,609	1,377	1,336	401	212	131	830	117	313	115	812	663
9	1,522	1,243	1,501	332	214	732	990	0	739	246	872	648
10	1,046	1,176	1,563	359	254	780	1,024	0	797	380	950	665
11	1,070	1,120	1,271	344	259	328	283	0	671	1,245	669	619
12	1,112	948	1,255	371	515	709	0	0	619	1,344	621	551
13	1,256	954	1,187	574	423	180	412	0	683	1,205	600	558
14	1,526	957	1,230	1,017	558	65.0	777	0	736	1,122	800	672
15	1,405	1,043	1,384	988	505	250	1,116	0	596	507	832	924
16	1,430	1,380	1,419	791	542	236	1,037	0	585	511	685	1,016
17	1,460	1,251	1,381	821	497	193	1,305	69.0	447	520	692	820
18	1,119	1,200	1,371	520	558	266	1,202	130	478	942	661	813
19	957	1,456	1,272	342	636	267	1,279	224	422	1,414	615	905
20	795	1,596	1,232	361	639	296	743	175	421	907	602	835
21	699	1,758	1,257	314	586	128	140	145	431	550	572	881
22	697	1,765	1,156	340	662	106	0	120	484	625	546	1,041
23	1,192	1,765	1,103	365	604	1,122	0	183	455	635	582	900
24	1,401	1,759	1,073	339	666	442	0	103	367	492	688	844
25	1,457	1,760	967	222	533	0	0	157	398	46.0	626	842
26	1,519	1,760	859	270	579	85.0	439	80.0	800	110	622	840
27	1,479	1,763	791	379	528	36.0	250	41.0	775	145	634	852
28	1,272	1,763	755	283	603	9.0	0	22.0	784	210	617	825
29	1,082	-----	899	365	501	107	0	0	851	125	621	841
30	1,229	-----	899	183	571	0	21.0	0	951	125	630	860
31	1,448	-----	1,016	-----	491	-----	0	0	-----	100	-----	840
TOTAL	40,780	39,115	39,318	15,473	13,802	6,513.0	12,118.0	1,743.0	16,063.0	17,116.0	19,872.0	24,145
MEAN	1,315	1,397	1,268	516	445	217	391	56.2	535	552	662	779
MAX	1,668	1,765	1,740	1,017	666	1,122	1,305	224	951	1,414	950	1,041
MIN	697	948	755	183	184	0	0	0	0	43.0	61.0	551
AC-FT	80,887	77,585	77,987	30,691	27,376	12,919	24,036	3,457	31,861	33,950	39,416	47,892
YEAR 1994	MEAN	674	MAX	1,765	MIN	0	AC-FT	488,056				

PLATTE RIVER BASIN

PLATTE RIVER below Tri-County Diversion Dam - 1994

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

GAGE.--Continuous stage recorder

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

REMARKS.--E indicates estimated daily discharge.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,950 cubic feet per second August 23, gage height 5.38 feet.
 Maximum gage height 5.41 on February 7 due to backwater from ice.
 Minimum daily discharge 33 cubic feet per second September 22, 23, 28.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	51E	56E	39	48	58	89	1,190	1,140	209	40	49	47
2	52E	70E	47	51	59	89	1,390	1,150	138	39	47	49
3	52E	70E	57	51	56	80	1,410	1,010	124	39	46	49
4	52	74E	58	52	54	79	1,400	1,040	130	39	46	50
5	54	80E	59	53	53	80	1,390	1,030	145	43	44	48
6	90E	68E	61	51	54	76	1,200	858	88	52	45	46
7	360E	300E	61	50	55	111	1,180	974	66	46	47	47
8	380E	220E	54	50	55	132	1,130	665	66	43	42	48
9	330E	200E	54	47	51	134	820	565	57	42	39	48
10	100E	500E	53	49	50	144	638	620	50	40	40	48
11	60E	300E	54	49	48	154	855	576	48	40	43	50
12	58E	240E	56	50	48	128	1,050	528	48	40	44	44
13	56E	130E	53	59	48	151	961	481	45	41	46	52
14	60E	66	54	66	47	148	466	473	44	44	44	52
15	60E	55	57	65	45	148	318	480	41	49	39	52
16	68E	55	60	64	45	136	221	483	37	54	40	52
17	170E	58	60	62	46	131	170	555	36	55	47	52
18	220E	60	60	60	46	108	168	675	37	50	49	54
19	380E	66	61	62	48	107	146	734	38	51	49	56
20	560E	60	61	61	50	143	132	799	36	55	51	56
21	380E	60E	58	60	46	213	137	848	36	57	51	57
22	147	52E	57	60	43	168	183	841	33	55	50	60
23	58	110E	57	60	42	151	362	1,130	33	54	50	56
24	50	70E	53	58	41	168	487	1,190	35	49	51	57
25	50	70E	52	55	120	183	497	1,210	36	46	52	56
26	52E	60E	49	42	124	237	403	1,240	35	48	52	56
27	210E	50E	49	36	98	316	332	1,220	34	51	52	55
28	170E	44	52	38	80	444	487	1,110	33	53	49	50
29	160E	-----	49	43	81	755	582	975	34	49	46	50
30	87	-----	48	51	84	1,060	711	566	38	49	46	49
31	78	-----	47	-----	86	-----	841	232	-----	44	-----	48
TOTAL	4,655	3,244	1,690	1,603	1,861	6,063	21,257	25,398	1,830	1,457	1,396	1,594
MEAN	150	116	54.5	53.4	60.0	202	686	819	61.0	47.0	46.5	51.4
MAX	560	500	61	66	124	1,060	1,410	1,240	209	57	52	60
MIN	50	44	39	36	41	76	132	232	33	39	39	44
AC-FT	9,230	6,430	3,350	3,180	3,690	12,030	42,160	50,380	3,630	2,890	2,770	3,160
YEAR 1994	TOTAL	72,048	MEAN	197	MAX	1,410	MIN	33	AC-FT	142,900		

PLATTE RIVER BASIN

131

PLATTE RIVER at Brady - 1994

LOCATION.--North channel gage (no. 1): SW1/4SW1/4 Sec. 11-12-27 W., South channel gage (no. 4): SW1/4SW1/4 Sec. 23-12-27 W.

GAGE.--Continuous stage recorders on north channel (no. 1) and south channel (no. 4)

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.

E indicates estimated daily discharge

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 1,450 cubic feet per second July 4, combined channel flow.

Minimum daily discharge 98 cubic feet per second on October 6, combined channel flow.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	241	190E	224E	132	225	121	1,040	889	281	74	106	121
2	217E	190E	219E	132	219	121	1,230	1,000	277	82	106	117
3	195E	188E	232E	133	201	126	1,380	901	228	87	105	114
4	185E	191E	227E	133	201	123	1,430	875	223	92	104	111
5	170E	195E	228E	130	191	120	1,390	867	196	99	108	98E
6	163E	194E	222E	131	182	113	1,310	797	187	111	113	88E
7	152E	200E	219E	131	177	162	1,250	769	141	108	112	84E
8	414E	287E	217	131	172	207	1,200	758	121	104	109	97E
9	507E	440E	204	129	162	208	1,140	574	111	102	108	98E
10	486E	462E	194	130	153	271	881	603	104	101	109	101E
11	260E	644E	190	134	147	321	860	615	98	102	110	104E
12	215E	466E	184	199	135	288	1,160	593	91	99	113	106E
13	203E	364E	179	315	133	214	1,210	559	88	93	114	107E
14	186E	262E	175	319	133	227	984	499	83	95	109	109E
15	184E	212E	177	230	125	199	601	538	75	100	109	110E
16	182E	202E	175	192	120	193	547	506	73	107	110	113E
17	182E	202E	173	173	116	182	489	560	72	123	109	128E
18	274E	210E	170	158	112	188	388	578	70	132	108	126E
19	456E	222E	170	149	110	145	343	650	68	125	106	124E
20	528E	222E	169	144	107	159	303	650	72	114	112	124E
21	662E	234E	158	139	107	325	283	741	72	108	115	123E
22	484E	244E	155	134	102	341	287	751	77	105	112	120E
23	264E	264E	149	133	109	232	397	875	78	108	107	120E
24	214E	291E	138	133	102	222	554	1,050	77	107	107	120E
25	186E	252E	135	142	115	233	612	1,100	78	106	108	120
26	184E	242E	136	156	179	266	617	1,110	77	108	111	119
27	187E	234E	133	146	196	335	421	1,120	77	112	115	120
28	322E	224E	131	164	155	416	565	1,070	76	111	108	120
29	262E	-----	134	181	136	578	589	993	74	105	107	117
30	241E	-----	130	204	129	939	643	797	74	105	113	116
31	200E	-----	130	-----	120	-----	730	483	-----	106	-----	123
TOTAL	8,606	7,528	5,477	4,857	4,571	7,575	24,834	23,871	3,419	3,231	3,283	3,498
MEAN	278	269	177	162	147	253	801	770	114	104	109	113
MAX	662	644	232	319	225	939	1,430	1,120	281	132	115	128
MIN	152	188	130	129	102	113	283	483	68	74	104	84
AC-FT	17,070	14,930	10,860	9,630	9,070	15,030	49,260	47,350	6,780	6,410	6,510	6,940
YEAR 1994	TOTAL	100,750	MEAN	276	MAX	1,430	MIN	68	AC-FT	199,800		

PLATTE RIVER BASIN

THIRTY MILE CANAL from Platte River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	75	261	245	61			
2					0	75	266	244	0			
3					0	76	258	235	0			
4					0	75	258	229	0			
5					0	89	254	230	0			
6					0	99	251	235	0			
7					0	99	253	235	0			
8					0	99	259	237	0			
9					0	99	269	237	0			
10					0	99	273	234	0			
11					0	99	275	234	0			
12					0	98	263	234	0			
13					0	100	181	231	0			
14					0	101	182	233	0			
15					0	101	177	238	0			
16					0	81	184	243	0			
17					0	102	179	243	0			
18					0	102	178	247	0			
19					0	125	180	252	0			
20					0	127	192	252	0			
21					49	110	202	251	0			
22					77	116	203	110	0			
23					74	123	204	253	0			
24					77	126	223	251	0			
25					74	139	250	247	0			
26					70	149	252	242	0			
27					73	167	246	215	0			
28					71	188	234	215	0			
29		-----			67	213	230	185	0			
30		-----			69	238	224	175	0			
31		-----		-----	75	-----	226	173	-----		-----	
TOTAL					776	3,490	7,087	7,085	61			
MEAN					25.0	116	229	229	2.03			
MAX					77	238	275	253	61			
MIN					0	75	177	110	0			
AC-FT					1,540	6,920	14,060	14,050	121			
YEAR 1994	MEAN	121	MAX	275	MIN	0	AC-FT	36,690				

PLATTE RIVER BASIN

133

GOTHENBURG CANAL from Platte River - 1994

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			0	44	99	91	339	310	182	55	1.7	
2			0	44	101	91	340	311	165	57	0	
3			0	52	96	104	339	312	153	62	0	
4			0	112	87	114	338	312	152	65	0	
5			0	85	80	112	332	312	152	68	0	
6			0	72	80	112	323	312	122	73	0	
7			0	73	79	113	326	312	96	73	0	
8			0	72	78	110	322	284	96	75	0	
9			0	72	78	100	321	261	59	75	0	
10			0	72	76	101	322	259	4.7	75	0	
11			0	72	75	100	332	259	3.0	76	0	
12			0	64	75	99	340	259	2.9	79	0	
13			0	72	75	98	297	259	2.9	75	0	
14			0	79	75	97	220	259	2.9	74	0	
15			0	74	75	92	215	258	2.9	75	0	
16			0	63	72	97	221	258	2.9	81	0	
17			0	51	66	103	219	258	2.9	81	0	
18			0	75	66	103	212	258	2.9	79	0	
19			0	82	65	103	206	258	2.9	79	0	
20			0	78	65	104	206	257	2.7	79	0	
21			0	62	63	99	205	256	2.2	78	0	
22			.84	76	79	117	204	257	15	78	0	
23			1.6	87	98	126	205	259	30	78	0	
24			1.6	87	102	127	229	259	31	78	0	
25			1.6	90	99	126	259	258	54	78	0	
26			9.6	87	91	149	258	244	73	78	0	
27			9.3	88	87	208	250	234	66	79	0	
28			80	90	88	260	241	231	61	79	0	
29		-----	61	89	90	301	260	231	58	79	0	
30		-----	60	91	90	337	262	230	55	79	0	
31		-----	52	-----	91	-----	290	209	-----	41	-----	
TOTAL			277.54	2,255	2,541	3,894	8,433	8,236	1,655.8	2,281	1.7	
MEAN			8.95	75.2	82.0	130	272	266	55.2	73.6	.057	
MAX			80	112	102	337	340	312	182	81	1.7	
MIN			0	44	63	91	204	209	2.2	41	0	
AC-FT			551	4,470	5,040	7,720	16,730	16,340	3,280	4,520	3.4	
YEAR 1994	MEAN	108	MAX	340	MIN	0	AC-FT	58,660				

PLATTE RIVER BASIN

BUFFALO CREEK (B-1) RESERVOIR SUPPLY CANAL from Platte River - 1994

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1983, 1985 - present

REMARKS.--E indicates estimated daily discharge - no gage height record.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	34	19	0	0	0	20E	23	
2				0	33	19	0	0	0	20E	6.3	
3				0	36	12	0	0	0	20E	0	
4				0	36	15	0	0	0	20E	0	
5				0	32	19	0	0	0	22E	0	
6				0	29	19	0	0	0	22	0	
7				6.9	29	23	0	0	0	24	0	
8				9.8	28	17	0	0	0	24	0	
9				14	25	0	0	0	0	25	0	
10				16	20	0	0	0	0	25	0	
11				20	21	0	0	0	0	25	0	
12				19	21	0	0	0	0	25	0	
13				27	22	0	0	0	0	25	0	
14				32	24	0	0	0	0	25	0	
15				27	27	0	0	0	0	24	0	
16				23	22	0	0	0	0	24	0	
17				16	22	0	0	0	0	23	0	
18				9.5	22	0	0	0	0	23	0	
19				7.9	21	0	0	0	0	24	0	
20				12	20	0	0	0	0	25	0	
21				15	21	0	0	0	0	25	0	
22				12	21	0	0	0	0	25	0	
23				10	21	0	0	0	0	24	0	
24				16	29	0	0	0	0	25	0	
25				16	30	0	0	0	0	26	0	
26				16	30	0	0	0	0	25	0	
27				17	28	0	0	0	0	26	0	
28				24	27	0	0	0	0	26	0	
29		-----		33	27	0	0	0	20E	25	0	
30		-----		34	28	0	0	0	20E	25	0	
31		-----		-----	23	-----	0	0	-----	25	-----	
TOTAL				433.1	809	143	0	0	40	742	29.3	
MEAN				14.4	26.1	4.77	0	0	1.33	23.9	.98	
MAX				34	36	23	0	0	20	26	23	
MIN				0	20	0	0	0	0	20	0	
AC-FT				859	1,600	284	0	0	79	1,470	58	
YEAR 1994	MEAN	7.25	MAX	36	MIN	0	AC-FT	4,360				

PLATTE RIVER BASIN

135

SIX MILE CANAL from Platte River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	7.9	28	1.2			
2					0	0	8.6	29	.01			
3					0	0	17	34	0			
4					0	1.8	20	36	0			
5					0	5.7	20	33	0			
6					0	7.9	21	29	0			
7					0	6.2	22	30	0			
8					0	0	25	30	0			
9					0	0	27	34	0			
10					0	0	31	34	0			
11					0	0	33	31	0			
12					0	0	32	28	0			
13					0	0	28	15	0			
14					0	0	15	15	0			
15					0	0	7.8	15	0			
16					0	0	4.5	13	0			
17					0	0	4.4	16	0			
18					0	0	3.8	14	0			
19					0	0	3.6	19	0			
20					0	0	8.9	22	0			
21					0	0	9.5	17	0			
22					0	0	10	17	0			
23					0	0	13	18	0			
24					0	0	21	16	0			
25					0	0	19	20	0			
26					0	.62	22	20	0			
27					0	3.7	23	20	0			
28					0	5.0	25	9.3	0			
29		-----			0	5.9	24	8.1	0			
30		-----			0	9.5	27	5.3	0			
31		-----		-----	0	-----	31	5.1	-----		-----	
TOTAL					0	46.32	565.0	660.8	1.21			
MEAN					0	1.54	18.2	21.3	.040			
MAX					0	9.5	33	36	1.2			
MIN					0	0	3.6	5.1	0			
AC-FT					0	92	1,120	1,310	2.4			
YEAR 1994	MEAN	8.32	MAX	36	MIN	0	AC-FT	2,530				

PLATTE RIVER BASIN

COZAD CANAL from Platte River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	33	201	218	12			
2					0	33	217	221	0			
3					0	32	216	222	0			
4					0	23	217	204	0			
5					0	33	187	182	0			
6					0	35	169	182	0			
7					0	35	172	182	0			
8					0	21	171	181	0			
9					0	36	169	173	0			
10					0	52	168	149	0			
11					0	49	167	149	0			
12					0	46	168	150	0			
13					0	46	14	150	0			
14					0	46	3.4	150	0			
15					0	48	22	150	0			
16					0	46	48	149	0			
17					0	50	49	174	0			
18					0	50	49	182	0			
19					0	50	49	182	0			
20					0	50	50	182	0			
21					0	50	64	182	0			
22					0	50	80	196	0			
23					20	102	109	202	0			
24					30	120	146	198	0			
25					34	120	196	185	0			
26					34	120	196	178	0			
27					34	120	195	164	0			
28					35	146	195	158	0			
29		-----			22	155	196	159	0			
30		-----			35	163	197	138	0			
31		-----		-----	33	-----	199	128	-----		-----	
TOTAL					277	1,960	4,279.4	5,420	12			
MEAN					8.94	65.3	138	175	.40			
MAX					35	163	217	222	12			
MIN					0	21	3.4	128	0			
AC-FT					549	3,890	8,490	10,750	24			
YEAR 1994	MEAN	78.1	MAX	222	MIN	0	AC-FT	23,700				

PLATTE RIVER BASIN

137

ORCHARD ALFALFA CANAL from Platte River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	19	69	44	41			
2					0	18	71	51	31			
3					0	18	72	59	15			
4					0	17	73	52	9.2			
5					0	17	66	44	5.9			
6					0	16	62	46	4.3			
7					0	16	52	40	4.8			
8					0	6.7	48	35	.97			
9					0	0	55	32	0			
10					0	0	60	34	.04			
11					16	11	55	33	0			
12					30	18	55	31	0			
13					23	19	46	32	0			
14					18	19	30	37	0			
15					17	19	23	41	0			
16					17	18	22	49	0			
17					17	18	24	62	0			
18					17	18	28	60	0			
19					17	18	39	62	0			
20					16	30	36	59	0			
21					16	38	33	54	0			
22					16	38	37	50	0			
23					15	36	34	57	0			
24					15	37	31	58	0			
25					16	38	37	61	0			
26					19	45	37	61	0			
27					19	54	39	59	0			
28					19	64	44	58	0			
29		-----			20	66	43	55	0			
30		-----			20	67	45	52	0			
31		-----		-----	20	-----	46	48	-----		-----	
TOTAL					383	798.7	1,412	1,516	112.21			
MEAN					12.4	26.6	45.5	48.9	3.74			
MAX					30	67	73	62	41			
MIN					0	0	22	31	0			
AC-FT					760	1,580	2,800	3,010	223			
YEAR 1994	MEAN	27.6	MAX	73	MIN	0	AC-FT	8,370				

PLATTE RIVER BASIN

DAWSON COUNTY CANAL from Platte River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	117	448	384	200			
2					0	114	401	357	154			
3					0	115	400	408	142			
4					0	118	398	412	142			
5					0	125	402	412	141			
6					0	135	368	412	139			
7					0	148	317	411	111			
8					0	149	288	410	92			
9					0	147	288	409	56			
10					0	138	293	409	0			
11					50	143	347	397	0			
12					89	142	357	390	0			
13					89	140	233	390	0			
14					89	142	211	390	0			
15					90	147	213	390	0			
16					90	146	211	390	0			
17					89	147	216	391	0			
18					90	147	216	371	0			
19					87	139	213	391	0			
20					75	116	215	392	0			
21					81	154	229	392	0			
22					113	185	241	392	0			
23					88	206	251	376	0			
24					93	214	271	375	0			
25					113	215	293	365	0			
26					120	231	302	346	0			
27					122	308	321	334	0			
28					119	346	334	335	0			
29		-----			128	351	334	315	0			
30		-----			117	413	333	282	0			
31		-----		-----	116	-----	337	245	-----		-----	
TOTAL					2,048	5,338	9,281	11,673	1,177			
MEAN					66.1	178	299	377	39.2			
MAX					128	413	448	412	200			
MIN					0	114	211	245	0			
AC-FT					4,060	10,590	18,410	23,150	2,330			
YEAR 1994	MEAN	193	MAX	448	MIN	0	AC-FT	58,550				

PLATTE RIVER BASIN

139

PLATTE RIVER near Cozad - 1994

LOCATION.--North channel gage: SE1/4NW1/4 Sec. 18-10-23 W., South channel gage: SW1/4SW1/4 Sec. 18-10-23 W.

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.
E indicates estimated daily discharge.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 21,500 cubic feet per second June 29, 1983, combined channel flow.
No flow at times 1937 - 1940.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,130 cubic feet per second July 13, combined channel flow.
Minimum daily discharge 17 cubic feet per second May 23.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	272	290	353	275	241	80	122	108	319	99	210	233
2	274	266	353	230	245	70	91	23	286	110	208	227
3	253	268	397	229	246	68	124	67	196	121	206	223
4	263	270	473	227	249	58	229	175	127	113	203	215
5	267	266	473	178	260	39	236	146	124	118	207	192
6	261	269	433	167	242	39	327	127	88	136	218	181
7	189E	217	409	176	254	81	387	131	95	124	222	167
8	180E	188	382	190	247	64	361	178	87	118	223	186
9	290E	368E	365	183	238	48	284	169	135	115	221	199
10	400E	509E	354	171	225	71	256	223	203	114	219	189
11	350E	489E	348	181E	138	68	261	164	199	112	216	192
12	290E	509E	336	181E	94	78	310	137	178	111	218	208
13	300E	609E	331	190E	86	95	885	119	168	114	224	207
14	290E	560E	328	196E	84	99	943	114	160	116	214	226
15	255	409E	322	200E	73	102	602	156	149	126	213	217
16	237	372	318	205E	62	132	337	64	140	138	213	222
17	225	376	316	211E	56	84	292	95	139	152	216	224
18	227	416	315	210E	50	53	236	37	138	165	212	241
19	231	459	314	212E	47	46	206	60	137	171	214	242
20	315	421	310	211	49	113	182	115	141	164	228	256
21	409E	375	290	236	42	162	151	98	144	156	228	260
22	550E	321	288	219	37	73	151	44	138	152	220	256
23	530E	280	249	207	17	50	60	115	114	144	220	247
24	413E	278	264	202	18	100	156	64	110	145	222	245
25	358	273	269	202	49	78	31	115	116	139	219	243
26	288	254	261	220	82	68	87	165	113	136	213	243
27	192	284	257	206	38	29	76	216	106	134	232	244
28	249	325	252	220	29	23	97	253	101	139	216	249
29	322	-----	212	239	93	28	65	239	99	137	210	249
30	346	-----	238	244	102	124	91	248	100	138	218	250
31	303	-----	244	-----	101	-----	184	274	-----	137	-----	234
TOTAL	9,329	9,921	10,054	6,218	3,794	2,223	7,820	4,239	4,350	4,094	6,503	6,967
MEAN	301	354	324	207	122	74.1	252	137	145	132	217	225
MAX	550	609	473	275	260	162	943	274	319	171	232	260
MIN	180	188	212	167	17	23	31	23	87	99	203	167
AC-FT	18,500	19,680	19,940	12,330	7,530	4,410	15,510	8,410	8,630	8,120	12,900	13,820
YEAR 1994	TOTAL	75,512	MEAN	207	MAX	943	MIN	17	AC-FT	149,800		

PLATTE RIVER BASIN

PLATTE RIVER near Overton - 1994

LOCATION.--NE1/4NW1/4 Sec. 12-8-20 W., Dawson County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--October 1914 - present, monthly discharges only for some periods, published by USGS
WSP 1310. Published as "near Elm Creek" 1914 - 1915.

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994.
E indicates estimated daily discharge.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 37,600 cubic feet per second June 5, 1935, gage height 6.25 feet, datum then in use.
Minimum daily discharge 2.0 cubic feet per second August 31, 1942.

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,900 cubic feet per second on March 4 - 5 at gage height 3.63 feet.
Minimum daily discharge 232 cubic feet per second on June 6.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1,980	1,400E	2,040	1,410	779	484	251	444	466	1,090	332	936
2	2,020	1,440E	2,160	1,280	762	289	263	398	534	1,110	400	970
3	2,020	1,560E	2,320	1,200	766	276	331	423	925	1,070	893	1,020
4	1,750	1,540E	2,650	1,130	821	279	342	495	907	826	994	1,080
5	1,820	1,540E	2,880	1,050	805	258	413	405	756	656	1,040	1,040
6	1,800E	1,600E	2,760	1,230	782	232	448	407	695	749	1,070	1,080
7	1,800E	1,500E	2,450	1,040	852	343	703	481	547	421	1,130	1,390
8	1,840E	1,400E	1,930	856	778	443	1,350	532	494	502	1,110	1,230
9	1,840	1,460E	2,170	753	765	862	1,550	503	795	511	1,120	1,160
10	1,700	1,500E	2,210	769	738	1,120	1,510	429	925	495	1,170	1,160E
11	1,540E	1,550	1,930	810	739	712	1,010	468	923	775	954	1,160E
12	1,500E	1,660	1,810	928	755	963	493	432	867	580	915	1,140E
13	1,440E	1,670	1,840	1,140	775	560	944	402	881	461	886	1,130
14	1,600E	1,820	1,800	1,630	766	430	2,050	356	1,010	512	895	1,170
15	1,700E	2,010	1,810	1,770	767	406	2,290	405	846	518	1,060	1,440
16	1,560E	2,050	1,960	1,550	767	467	2,110	347	805	758	957	1,620
17	1,600E	2,070	1,900	1,560	774	432	1,910	318	709	858	907	1,360
18	1,400E	2,170	1,950	1,390	775	399	2,000	456	682	1,090	845	1,310
19	1,000E	2,220	1,780	1,010	859	449	1,790	403	677	1,620	796	1,200
20	952	2,270	1,760	949	858	417	1,300	447	673	1,320	872	1,200
21	974	2,200E	1,630	888	872	440	684	447	727	963	904	1,180
22	1,190	2,100E	1,620	920	871	468	322	413	645	970	856	1,330
23	1,690	2,100E	1,640	962	882	1,130	292	418	688	907	855	1,250
24	1,690	2,000E	1,390	914	894	1,040	276	459	673	1,010	942	1,140
25	2,020	2,100E	1,490	842	873	344	362	393	688	470	936	1,140
26	1,890	2,100E	1,300	767	803	348	557	478	912	414	898	1,170
27	1,590	2,200E	1,150	810	776	300	720	410	1,010	389	972	1,190
28	1,480	2,270	1,140	804	772	241	345	499	1,010	472	921	1,200
29	1,290	-----	1,300	820	757	235	405	434	1,000	379	932	1,200
30	1,300E	-----	1,280	779	769	240	379	421	1,060	359	894	1,200
31	1,540E	-----	1,400	-----	733	-----	423	439	-----	356	-----	1,170
TOTAL	49,516	51,500	57,450	31,961	24,685	14,607	27,823	13,362	23,530	22,611	27,456	36,966
MEAN	1,597	1,839	1,853	1,065	796	487	898	431	784	729	915	1,192
MAX	2,020	2,270	2,880	1,770	894	1,130	2,290	532	1,060	1,620	1,170	1,620
MIN	952	1,400	1,140	753	733	232	251	318	466	356	332	936
AC-FT	98,210	102,200	114,000	63,390	48,960	28,970	55,190	26,500	46,670	44,850	54,460	73,320
YEAR 1994	TOTAL	381,467	MEAN	1,045	MAX	2,880	MIN	232	AC-FT	756,600		

PLATTE RIVER BASIN

141

KEARNEY CANAL from Platte River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	104	138	155	219	0	0	
2					0	64	132	154	219	0	0	
3					0	116	133	154	232	0	0	
4					0	116	133	157	234	0	41	
5					0	114	132	153	224	0	186	
6					0	130	158	151	223	0	179	
7					0	125	176	154	216	0	162	
8					0	88	188	156	208	0	339	
9					0	88	192	155	212	0	320	
10					0	93	195	180	222	0	259	
11					0	86	209	219	221	0	210	
12					.35	81	274	217	218	0	154	
13					6.5	75	319	213	273	0	40	
14					5.7	70	355	212	228	0	13	
15					6.8	92	364	215	43	0	13	
16					5.1	173	345	212	5.7	0	10	
17					5.6	168	243	208	5.5	0	3.0	
18					5.6	164	238	217	5.2	0	0	
19					6.9	165	214	214	1.9	0	0	
20					7.0	160	188	221	0	0	0	
21					6.7	158	155	219	0	0	0	
22					5.6	153	133	217	0	0	0	
23					6.9	170	159	218	0	0	0	
24					5.7	179	155	219	0	0	0	
25					8.1	154	163	210	0	0	0	
26					6.6	147	158	219	0	0	0	
27					6.6	146	173	212	0	0	0	
28					7.4	139	152	218	0	0	0	
29					9.4	133	150	215	0	0	0	
30					7.4	144	139	212	0	0	0	
31					18	147	147	217	0	0	0	
TOTAL					137.95	3,795	6,010	6,093	3,210.3	0	1,929.0	
MEAN					4.45	127	194	197	107	0	64.3	
MAX					18	179	364	221	273	0	339	
MIN					0	64	132	151	0	0	0	
AC-FT					274	7,530	11,920	12,090	6,370	0	3,830	
YEAR 1994	MEAN	98.9	MAX	364	MIN	0	AC-FT	42,000				

PLATTE RIVER BASIN

KEARNEY POWER RETURN to Platte River - 1994

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

GAGE---Continuous stage recorder

PERIOD OF RECORD.--1939 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	116	61	139			
2					0	0	110	61	140			
3					0	49	110	73	151			
4					0	107	116	81	125			
5					0	93	101	88	132			
6					0	64	96	92	136			
7					0	102	144	97	148			
8					0	73	148	104	142			
9					0	34	155	102	141			
10					0	51	162	98	174			
11					0	63	151	146	173			
12					0	60	169	160	168			
13					0	55	237	148	165			
14					0	46	223	146	185			
15					0	27	221	145	66			
16					0	91	241	133	9.5			
17					0	132	198	134	0			
18					0	134	168	141	0			
19					0	132	183	141	0			
20					0	131	159	117	0			
21					0	98	130	116	0			
22					0	134	80	119	0			
23					0	133	96	117	0			
24					0	150	111	121	0			
25					0	141	119	122	0			
26					0	126	92	118	0			
27					0	124	91	121	0			
28					0	119	82	121	0			
29		-----			0	103	71	132	0			
30		-----			0	107	71	129	0			
31		-----		-----	0	-----	62	131	-----		-----	
TOTAL					0	2,679	4,213	3,615	2,194.5			
MEAN					0	89.3	136	117	73.2			
MAX					0	150	241	160	185			
MIN					0	0	62	61	0			
AC-FT					0	5,310	8,360	7,170	4,350			
YEAR 1994	MEAN	83.0	MAX	241	MIN	0	AC-FT	25,190				

PLATTE RIVER BASIN

143

PLATTE RIVER near Odessa - 1994

LOCATION.--SW1/4NW1/4 Sec. 16-8-17 W.

GAGE.--Continuous stage recorder

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.

EXTREMES FOR CURRENT YEAR.--Peak discharge 3,670 cubic feet per second on March 5 at gage height 5.03 feet.
Minimum daily discharge 100 cubic feet per second on June 7.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1,860	2,480E	2,030	1,610	772	603	225	409	283	1,050	395	951
2	1,960	2,400E	1,960	1,350	841	400E	289	361	307	1,030	372	1,010
3	1,980	2,400E	2,150	1,150	833	255E	414	355	763	1,010	576	1,070
4	1,870	2,400E	2,490	1,320	921	180E	543	439	1,440	990	846	1,120
5	1,990	2,000E	3,410	1,020	880	185E	555	322	1,120	737	925	1,040
6	2,110	1,800E	3,180	1,190	795	160E	551	326	962	809	969	900E
7	2,020	1,850E	2,510	1,180	868	100E	646	400	708	499	840	1,150E
8	2,130	1,900E	1,410	903	817	225E	1,210	528	481	305	718	1,250E
9	2,260	2,000E	1,790	721	829	370E	1,710	610	658	341	866	1,200E
10	2,100E	2,000E	1,880	681	827	800E	1,810	492	904	570	887	1,190E
11	1,500E	2,000E	1,770	741	879	1,050E	1,540	381	864	689	904	1,180E
12	1,500E	2,000E	1,560	861	810	650E	751	424	751	1,140	782	1,170E
13	1,450E	2,000E	1,630	1,070	1,010	900E	801	391	654	1,300	847	1,170E
14	1,400E	2,000E	1,620	1,620	801	500E	1,780	332	898	1,350	845	1,220E
15	1,350E	2,000E	1,700	2,130	924	400E	2,370	349	928	1,300	1,150	1,520E
16	1,300E	2,000E	1,960	1,720	847	371	2,770	340	923	969	952	1,700E
17	1,200E	2,000E	1,980	1,600	830	351	2,180	290	868	915	926	1,620E
18	1,100E	2,000E	2,120	1,580	788	277	2,460	348	791	947	921	1,500E
19	1,000E	2,000E	1,930	1,000	920	373	2,140	331	766	1,370	926	1,450
20	1,100E	2,130	1,970	909	948	346	1,820	397	692	1,480	1,040	1,360
21	1,250E	2,150	1,900	876	951	641	1,180	376	658	1,190	1,140	1,310
22	1,400E	1,970	1,960	758	845	511	638	367	650	960	1,020	1,370
23	1,600E	1,870	1,930	875	929	769	363	355	674	929	944	1,440
24	1,800E	1,890	1,670	958	773	1,560	315	393	693	1,180	1,020	1,280
25	2,000E	1,830	1,750	956	828	634	481	282	677	619	1,140	1,210
26	1,900E	1,790	1,600	792	625	471	331	343	722	561	1,080	1,280
27	1,800E	1,890	1,450	786	609	434	996	271	947	496	1,120	1,260
28	2,000E	2,180	1,350	908	613	326	511	268	940	545	907	1,210
29	2,100E	-----	1,370	823	750	248	454	279	926	502	904	1,110
30	2,200E	-----	1,500	948	676	274	411	247	996	401	916	1,120
31	2,300E	-----	1,530	-----	723	-----	475	239	-----	386	-----	1,060
TOTAL	53,530	56,930	59,060	33,036	25,462	14,364	32,720	11,245	23,644	26,570	26,878	38,421
MEAN	1,727	2,033	1,905	1,101	821	479	1,055	363	788	857	896	1,239
MAX	2,300	2,480	3,410	2,130	1,010	1,560	2,770	610	1,440	1,480	1,150	1,700
MIN	1,000	1,790	1,350	681	609	100	225	239	283	305	372	900
AC-FT	106,200	112,900	117,100	65,530	50,500	28,490	64,900	22,300	46,900	52,700	53,310	76,210
YEAR 1994	TOTAL	401,860	MEAN	1,101	MAX	3,410	MIN	100	AC-FT	797,100		

PLATTE RIVER BASIN

WOOD RIVER near Alda - 1994

LOCATION.--NE1/4SE1/4 Sec. 7-10-10 W., Hall County

GAGE.--Continuous stage recorder

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

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994.
E indicates estimated daily discharge.EXTREMES FOR PERIOD OF RECORD.--Peak discharge 1,630 cubic feet per second June 16, 1967 at gage height 12.22 ft.
Minimum daily discharge of zero many times during period of record.EXTREMES FOR CURRENT YEAR.--Peak discharge 576 cubic feet per second on June 11 at gage height 10.32 feet.
Minimum daily discharge zero Sep. 15-22, Oct. 25-Nov. 11.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.5E	2.3E	4.0E	7.3	4.5	4.5	19	19	2.2	.55	0	1.8E
2	4.5E	2.0E	4.2E	7.2	4.3	3.4	21	16	1.5	.87	0	1.9E
3	2.7E	1.9E	4.5E	7.0	4.2	2.8	19	18	1.1	1.0	0	1.9E
4	3.0E	2.0E	4.5E	6.9	4.4	2.5	26	81	3.2	.92	0	1.8E
5	3.4E	2.2E	5.0E	6.3	4.7	2.3	24	56	3.1	1.8	0	1.8E
6	3.0E	2.4E	30 E	6.8	5.8	2.4	20	84	1.8	1.2	0	1.9E
7	1.8E	2.0E	162	6.6	6.2	6.2	41	96	1.2	.86	0	1.9E
8	2.2E	1.6E	228	6.5	6.2	23	31	79	.63	.70	0	2.0E
9	2.5E	1.2E	236	6.3	5.6	238	46	34	2.0	.81	0	1.7E
10	2.8E	1.4E	193	6.3	5.4	457	64	19	1.5	.69	0	1.4E
11	2.4E	1.7E	88	8.0	5.2	546	31	15	.97	.87	0	1.6E
12	2.5E	2.7E	53	11	5.1	345	20	20	.69	.76	2.2	1.5E
13	2.9E	2.6E	39	14	5.0	228	20	19	.39	.52	4.0	1.6E
14	2.7E	2.9E	21	9.7	5.1	439	19	16	.10	.87	3.7	1.8E
15	2.5E	3.0E	19	8.5	4.9	383	21	13	0	1.2	3.6	1.9E
16	2.5E	3.2E	15	7.5	4.7	93	64	18	0	1.4	3.5	2.1E
17	2.1E	3.2E	13	7.1	4.2	51	48	12	0	2.2	3.9	2.2E
18	2.1E	3.2E	12	7.0	4.4	34	31	8.9	0	3.3	3.6	2.1E
19	2.3E	3.2E	13	6.4	5.8	29	19	8.3	0	2.1	3.4	2.3E
20	2.5E	3.0E	11	7.0	4.6	25	15	6.5	0	1.7	3.2E	2.5E
21	2.7E	2.6E	10	6.7	4.6	22	12	6.0	0	1.2	2.7E	2.3E
22	3.1E	3.0E	9.7	6.0	4.7	20	13	6.8	0	.90	3.2E	2.2E
23	3.3E	2.4E	9.4	6.5	5.1	19	14	6.6	0	.46	2.5E	2.2E
24	3.3E	2.0E	8.9	6.4	4.3	19	14	9.3	0	.12	2.1E	2.4E
25	3.3E	1.9E	8.4	6.4	4.2	18	17	9.0	0	0	2.0E	2.8E
26	3.1E	1.7E	8.6	5.2	3.2	16	18	6.8	0	0	2.1E	2.6E
27	2.9E	2.4E	8.5	4.3	2.6	15	94	4.4	0	0	2.2E	2.8E
28	2.9E	2.8E	8.3	5.1	2.6	16	130	3.6	.06	0	1.6E	2.8E
29	2.4E	-----	7.8	4.7	2.6	16	56	2.2	.51	0	1.8E	2.2E
30	2.0E	-----	8.2	5.1	2.8	16	30	2.3	.63	0	1.7E	2.1E
31	1.4E	-----	7.6	-----	3.4	-----	23	2.5	-----	0	-----	1.9E
TOTAL	85.3	66.5	1,250.6	209.8	140.4	3,092.1	1,020	698.2	21.58	27.00	53.0	64.0
MEAN	2.75	2.38	40.3	6.99	4.53	103	32.9	22.5	.72	.87	1.77	2.06
MAX	4.5	3.2	236	14	6.2	546	130	96	3.2	3.3	4.0	2.8
MIN	1.4	1.2	4.0	4.3	2.6	2.3	12	2.2	0	0	0	1.4
AC-FT	169	132	2,480	416	278	6,130	2,020	1,380	43	54	105	127
YEAR 1994	TOTAL	6,728.48	MEAN	18.4	MAX	546	MIN	0	AC-FT	13,350		

PLATTE RIVER BASIN (LOUP RIVER)

145

SARGENT CANAL from Middle Loup River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1						0	267	166	133			
2						0	236	206	123			
3						0	220	235	101			
4						0	221	229	60			
5						0	151	208	34			
6						0	66	188	6.8			
7						0	39	183	0			
8						0	38	182	0			
9						0	38	183	0			
10						0	38	183	0			
11						0	45	183	0			
12						0	53	178	0			
13						0	41	167	0			
14						0	37	160	0			
15						105	36	184	0			
16						65	33	190	0			
17						65	33	192	0			
18						59	38	178	0			
19						54	51	153	0			
20						54	58	118	0			
21						57	67	113	0			
22						63	89	135	0			
23						65	135	153	0			
24						72	145	169	0			
25						71	172	194	0			
26						70	125	201	0			
27						116	69	186	0			
28						154	61	180	0			
29		-----				210	71	172	0			
30		-----				252	98	168	0			
31		-----		-----		-----	105	169	-----		-----	
TOTAL						1,532	2,876	5,506	457.8			
MEAN						51.1	92.8	178	15.3			
MAX						252	267	235	133			
MIN						0	33	113	0			
AC-FT						3,040	5,700	10,920	908			
YEAR 1994	MAX	267	MIN	0	AC-FT	20,570						

PLATTE RIVER BASIN (LOUP RIVER)

MIDDLE LOUP CANAL NO. 1 from Middle Loup River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	18	50	35	34			
2					0	18	51	39	32			
3					0	19	49	45	24			
4					0	19	44	44	12			
5					0	18	30	41	8.6			
6					0	18	29	37	8.7			
7					0	19	26	37	9.0			
8					0	20	22	37	8.9			
9					0	18	20	34	3.4			
10					0	18	18	33	0			
11					0	20	24	32	0			
12					19	20	26	32	0			
13					19	20	23	34	0			
14					18	20	17	34	0			
15					17	22	14	34	0			
16					17	18	13	39	0			
17					15	27	14	46	0			
18					15	26	15	45	0			
19					17	16	17	40	0			
20					19	15	21	37	0			
21					19	17	21	37	0			
22					18	17	21	37	0			
23					19	15	24	35	0			
24					19	20	25	35	0			
25					19	22	27	36	0			
26					19	27	29	36	0			
27					19	34	28	36	0			
28					18	43	28	37	0			
29		-----			18	51	30	35	0			
30		-----			18	51	32	33	0			
31		-----		-----	18	-----	33	31	-----		-----	
TOTAL					360	686	821	1,143	140.6			
MEAN					11.6	22.9	26.5	36.9	4.69			
MAX					19	51	51	46	34			
MIN					0	15	13	31	0			
AC-FT					714	1,360	1,630	2,270	279			
YEAR 1994	MAX	51	MIN	0	AC-FT	6,250						

PLATTE RIVER BASIN (LOUP RIVER)

147

MIDDLE LOUP CANAL NO. 1 PUMP from Middle Loup River - 1994

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

GAGE---Flow Meter

PERIOD OF RECORD.--1987 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1							0	5.6				
2							0	9.0				
3							0	9.0				
4							0	9.0				
5							0	9.0				
6							0	9.0				
7							0	9.0				
8							0	9.0				
9							0	9.0				
10							0	9.0				
11							0	9.0				
12							0	6.4				
13							0	0				
14							0	0				
15							0	3.4				
16							0	9.0				
17							0	9.0				
18							0	9.0				
19							0	9.0				
20							0	3.4				
21							0	0				
22							5.6	0				
23							9.0	0				
24							9.0	0				
25							9.0	5.6				
26							3.8	9.0				
27							0	9.0				
28							0	9.0				
29		-----					0	5.6				
30		-----					0	0				
31		-----		-----		-----	0	0	-----		-----	
TOTAL							36.4	183.0				
MEAN							1.17	5.90				
MAX							9.0	9.0				
MIN							0	0				
AC-FT							72	363				
YEAR 1994	MAX	9.0	MIN	0	AC-FT	435						

PLATTE RIVER BASIN (LOUP RIVER)

MIDDLE LOUP CANAL NO. 2 from Middle Loup River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	20	58	44	45			
2					0	19	52	48	43			
3					0	19	48	53	39			
4					0	19	45	54	28			
5					0	19	33	56	23			
6					0	19	31	56	19			
7					0	20	30	57	18			
8					0	19	28	57	17			
9					0	19	26	55	17			
10					0	21	26	54	16			
11					0	22	30	52	16			
12					0	22	25	52	14			
13					0	22	19	51	12			
14					0	20	16	50	11			
15					0	19	16	49	4.7			
16					0	23	15	50	0			
17					15	33	20	51	0			
18					23	32	21	52	0			
19					22	28	21	52	0			
20					22	29	23	51	0			
21					22	29	26	49	0			
22					22	25	32	47	0			
23					22	21	36	46	0			
24					22	27	38	47	0			
25					22	30	41	48	0			
26					22	35	43	48	0			
27					21	39	40	47	0			
28					20	43	40	47	0			
29		-----			20	47	40	46	0			
30		-----			20	57	40	46	0			
31		-----		-----	20	-----	42	46	-----		-----	
TOTAL					315	797	1,001	1,561	322.7			
MEAN					10.2	26.6	32.3	50.4	10.8			
MAX					23	57	58	57	45			
MIN					0	19	15	44	0			
AC-FT					625	1,580	1,990	3,100	640			
YEAR 1994	MAX	58	MIN	0	AC-FT	7,930						

PLATTE RIVER BASIN (LOUP RIVER)

149

MIDDLE LOUP CANAL NO. 3 from Middle Loup River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	39	123	91	75			
2					0	39	107	108	74			
3					0	38	58	116	73			
4					0	39	58	121	66			
5					0	38	56	117	56			
6					0	48	54	107	49			
7					0	55	50	101	36			
8					0	44	40	101	37			
9					0	34	39	93	40			
10					0	33	39	84	40			
11					0	33	52	98	41			
12					0	33	60	108	41			
13					56	33	47	105	40			
14					76	34	38	97	40			
15					59	47	37	92	15			
16					50	69	38	90	0			
17					76	83	36	102	0			
18					59	80	36	122	0			
19					52	66	36	118	0			
20					55	72	34	105	0			
21					54	72	32	105	0			
22					52	68	30	105	0			
23					51	67	40	103	0			
24					50	82	53	104	0			
25					50	94	69	108	0			
26					45	100	66	99	0			
27					39	114	68	83	0			
28					40	110	71	84	0			
29		-----			40	117	72	81	0			
30		-----			39	116	74	75	0			
31		-----		-----	39	-----	72	75	-----		-----	
TOTAL					982	1,897	1,685	3,098	723			
MEAN					31.7	63.2	54.4	99.9	24.1			
MAX					76	117	123	122	75			
MIN					0	33	30	75	0			
AC-FT					1,950	3,760	3,340	6,140	1,430			
YEAR 1994	MAX	123	MIN	0	AC-FT	16,630						

PLATTE RIVER BASIN (LOUP RIVER)

MIDDLE LOUP CANAL NO. 4 from Middle Loup River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	36	118	99	64			
2					0	36	83	113	65			
3					0	35	61	115	65			
4					0	36	58	107	56			
5					0	36	57	92	52			
6					0	36	56	83	49			
7					0	37	52	80	46			
8					0	39	46	87	45			
9					0	40	45	95	46			
10					0	41	44	90	45			
11					0	42	55	90	45			
12					0	43	47	89	46			
13					28	45	40	89	46			
14					42	49	39	88	47			
15					39	50	40	86	22			
16					59	49	40	84	1.7			
17					46	49	40	87	0			
18					37	57	40	90	0			
19					40	55	39	83	0			
20					40	59	40	72	0			
21					39	61	40	72	0			
22					39	66	40	72	0			
23					39	70	39	78	0			
24					40	77	43	93	0			
25					42	85	50	100	0			
26					41	97	51	98	0			
27					41	112	51	93	0			
28					40	125	52	94	0			
29		-----			40	129	52	94	0			
30		-----			39	125	55	78	0			
31		-----		-----	38	-----	65	64	-----		-----	
TOTAL					769	1,817	1,578	2,755	740.7			
MEAN					24.8	60.6	50.9	88.9	24.7			
MAX					59	129	118	115	65			
MIN					0	35	39	64	0			
AC-FT					1,530	3,600	3,130	5,460	1,470			
YEAR 1994	MAX	129	MIN	0	AC-FT	15,190						

PLATTE RIVER BASIN (LOUP RIVER)

151

FARWELL (SHERMAN FEEDER) CANAL from Middle Loup River - 1994

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	352	296	83	344	344			
2				0	362	219	161	237	373			
3				0	368	245	252	156	368			
4				0	380	262	251	144	372			
5				0	387	260	286	151	375			
6				0	400	252	398	150	378			
7				0	403	261	450	139	377			
8				0	394	261	458	126	366			
9				0	401	281	458	146	376			
10				0	408	289	459	140	354			
11				0	403	296	482	141	374			
12				0	404	293	509	143	373			
13				0	394	328	507	142	369			
14				0	411	379	492	142	376			
15				0	417	437	501	187	387			
16				0	415	412	505	209	381			
17				0	410	451	503	219	369			
18				0	406	501	502	223	357			
19				0	409	513	491	235	129			
20				0	419	496	493	224	0			
21				0	419	506	500	222	0			
22				0	417	506	493	216	0			
23				0	424	512	398	211	0			
24				0	424	504	399	213	0			
25				132	420	467	395	223	0			
26				176	423	382	395	222	0			
27				233	425	308	389	197	0			
28				278	429	246	393	208	0			
29		-----		333	428	161	387	239	0			
30		-----		343	424	116	382	286	0			
31		-----		-----	418	-----	381	335	-----		-----	
TOTAL				1,495	12,594	10,440	12,753	6,170	6,798			
MEAN				49.8	406	348	411	199	227			
MAX				343	429	513	509	344	387			
MIN				0	352	116	83	126	0			
AC-FT				2,970	24,980	20,710	25,300	12,240	13,480			
YEAR 1994	MAX	513	MIN	0	AC-FT	99,670						

PLATTE RIVER BASIN (LOUP RIVER)

MIDDLE LOUP CANAL NO. 4 from Sherman Feeder Canal - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1						0	5.0	0				
2						0	0	4.7				
3						0	0	2.9				
4						0	0	0				
5						0	0	0				
6						0	0	0				
7						0	0	0				
8						0	0	0				
9						0	0	0				
10						0	0	0				
11						0	0	0				
12						0	0	0				
13						0	0	0				
14						0	0	0				
15						0	0	0				
16						0	0	3.3				
17						0	0	13				
18						0	0	22				
19						0	0	9.3				
20						0	0	0				
21						0	0	0				
22						0	0	0				
23						0	0	0				
24						0	0	5.1				
25						0	0	3.9				
26						0	0	0				
27						7.4	0	0				
28						13	0	0				
29		-----				15	0	0				
30		-----				16	0	0				
31		-----		-----		-----	0	0	-----		-----	
TOTAL						51.4	5.0	64.2				
MEAN						1.71	.16	2.07				
MAX						16	5.0	22				
MIN						0	0	0				
AC-FT						102	9.9	127				
YEAR 1994	MAX	22	MIN	0	AC-FT	239						

PLATTE RIVER BASIN (LOUP RIVER)

153

MIDDLE LOUP RIVER at Arcadia - 1994

LOCATION.--Sec. 26-17-16 W., Valley County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1937 - present

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

E indicates estimated daily discharge.

Station operation discontinued May 9, 1995.

EXTREMES FOR CURRENT YEAR.--Peak discharge 4470 cubic feet per second March 6, gage height 3.64 feet.

Maximum gage height 5.06 feet February 25, backwater from ice.

Minimum daily discharge 16 cubic feet per second June 17.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	900E	780E	1,600E	1,160	637	405	112	86	86	1,030	1,140	811
2	860E	840E	2,000E	1,220	742	702	234	83	120	1,060	922	578
3	940E	800E	2,300E	955	652	677	474	122	242	903	923	685
4	900E	860E	2,800E	781	592	658	449	158	1,380	746	1,170	607
5	860E	920E	3,200E	1,150	517	637	509	168	920	1,020	1,060	580E
6	800E	840E	3,340	970	593	598	499	220	450	1,210	1,030	600E
7	500E	740E	2,420	572	636	531	760	255	495	1,350	1,130	560E
8	600E	640E	1,650	577	471	769	785	282	521	850	1,100	680E
9	700E	660E	1,390	811	567	839	545	313	492	862	1,180	660E
10	900E	578E	1,340	814	543	691	363	382	481	850	1,100	800E
11	860E	660E	1,280	816	542	642	151	402	446	924	1,150	760E
12	925E	740E	1,130	1,210	449	598	167	370	417	1,080	1,130	900E
13	860E	800E	1,120	769	378	528	515	387	435	1,090	1,240	1,100E
14	800E	780E	1,090	647	335	364	433	357	388	1,090	1,140	1,300E
15	740E	860E	1,190	993	385	266	290	348	468	1,150	1,110	1,200E
16	640E	940E	1,200	644	241	94	439	168	595	1,270	1,020	1,400E
17	580E	1,000E	1,210	639	195	16	485	73	556	1,500	1,030	1,500E
18	560E	1,100E	1,200	1,030	273	362	354	56	519	1,540	954	1,700E
19	500E	1,000E	1,120	1,090	328	967	245	199	990	987	919	1,600E
20	450E	900E	1,040	791	277	352	180	201	969	839	923	1,800E
21	500E	900E	952	1,190	286	220	144	263	1,000	1,190	838	1,800E
22	800E	860E	1,080	1,080	273	215	101	272	716	1,180	1,050	1,900E
23	1,000E	800E	1,120	1,350	371	219	102	207	548	883	1,000	1,900E
24	1,300E	787E	1,020	827	394	267	127	136	696	774	824	1,900
25	1,230E	820E	911	1,110	369	165	103	107	844	753	845	1,820
26	1,100E	800E	814	1,290	379	186	156	132	849	796	805	1,720
27	1,000E	1,100E	776	769	357	173	318	138	757	902	994	1,590
28	1,000E	1,300E	1,090	705	339	157	210	177	813	992	590	1,380
29	900E	-----	966	383	356	143	163	132	662	1,100	715	1,320
30	800E	-----	988	608	298	100	157	141	904	1,380	650	1,590
31	680E	-----	1,020	-----	264	-----	112	56	-----	1,370	-----	1,500E
TOTAL	25,185	23,805	44,357	26,951	13,039	12,541	9,682	6,391	18,759	32,671	29,682	38,241
MEAN	812	850	1,431	898	421	418	312	206	625	1,054	989	1,234
MAX	1,300	1,300	3,340	1,350	742	967	785	402	1,380	1,540	1,240	1,900
MIN	450	578	776	383	195	16	101	56	86	746	590	560
AC-FT	49,950	47,220	87,980	53,460	25,860	24,880	19,200	12,680	37,210	64,800	58,870	75,850

YEAR 1994	TOTAL	281,304	MEAN	771	MAX	3,340	MIN	16	AC-FT	558,000
-----------	-------	---------	------	-----	-----	-------	-----	----	-------	---------

PLATTE RIVER BASIN (LOUP RIVER)

MUD CREEK near Sweetwater - 1994

LOCATION.--NE1/4SE1/4 Sec. 12-12-13 W., Buffalo County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--July 1946 - present

REMARKS.--Record published by U. S. Geological Survey up to October 1 1994.
E indicates estimated daily discharge.EXTREMES FOR PERIOD OF RECORD.--Peak discharge estimated 27,000 cubic feet per second June 22, 1947 at gage height 23.20 ft.
Peak discharge computed 5,600 cubic feet per second June 24, 1968 at gage height 20.07 ft.
Minimum daily discharge zero at times in 1955 & 1956.EXTREMES FOR CURRENT YEAR.--Peak discharge 657 cubic feet per second on March 5 at gage height 12.59 ft.
Minimum daily discharge 16 cubic feet per second estimated on September 16 - 20.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	30E	29E	39E	37	45	29	25	29	17	18	22	26E
2	30E	29E	45E	37	47	29	30	28	17	17	22	26E
3	28E	28E	60E	36	46	29	31	46	18	18	22	24E
4	29E	29E	250E	36	43	30	36	85	19	18	22	24E
5	28E	28E	578	36	41	30	35	32	22	19	22	22E
6	27E	29E	380	36	40	29	29	27	53	21	22	23E
7	26E	29E	176	37	40	29	79	27	66	23	22	20E
8	31E	28E	89	35	40	30	70	48	31	22	23	21E
9	29E	28E	70	37	39	37	33	38	25	21	23	20E
10	34E	25E	61	36	38	43	32	32	20	21	22	22E
11	38E	27E	57	36	38	37	28	29	18	21	22	20E
12	37E	28E	55	46	38	36	28	27	18	20	22	21E
13	35E	30E	52	53	37	30	46	28	17	19	23	23E
14	33E	32E	50	52	41	37	50	27	17	20	22	26E
15	30E	33E	49	59	39	32	73	28	17	22	21	25E
16	28E	34E	46	54	36	28	119	26	16	23	22	27E
17	27E	36E	45	49	36	28	134	25	16	25	23	29E
18	26E	39E	44	45	36	29	83	25	16	29	24	27E
19	27E	42E	43	45	35	35	91	23	16	31	24	28E
20	28E	44E	42	44	34	60	57	23	16	27	25	29E
21	29E	42E	41	42	34	48	44	22	17	29	28	30E
22	31E	37E	40	40	35	60	36	18	18	23	27	30E
23	33E	33E	40	39	36	46	33	19	18	22	26	28E
24	33E	28E	39	38	35	34	31	23	18	20	27	29E
25	31E	30E	38	38	35	31	55	21	19	21	27	30E
26	29E	31E	38	38	36	28	34	19	19	21	25	31E
27	28E	33E	38	38	34	26	34	18	18	22	27	30E
28	29E	34E	37	44	33	25	39	17	18	22	28	30E
29	30E	-----	37	49	84	24	33	17	18	22	29E	29E
30	29E	-----	37	45	45	24	33	19	17	22	28E	28E
31	28E	-----	37	-----	32	-----	31	20	-----	23	-----	26E
TOTAL	931	895	2,653	1,257	1,228	1,013	1,512	866	635	682	722	804
MEAN	30.0	32.0	85.6	41.9	39.6	33.8	48.8	27.9	21.2	22.0	24.1	25.9
MAX	38	44	578	59	84	60	134	85	66	31	29	31
MIN	26	25	37	35	32	24	25	17	16	17	21	20
AC-FT	1,850	1,780	5,260	2,490	2,440	2,010	3,000	1,720	1,260	1,350	1,430	1,590
YEAR 1994	TOTAL	13,198	MEAN	36.2	MAX	578	MIN	16	AC-FT	26,180		

PLATTE RIVER BASIN (LOUP RIVER)

155

SHERMAN RESERVOIR storage in acre-feet - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	51,060	50,110	49,650	48,731	49,880	69,076	60,544	65,404	47,306	56,424	54,973	53,698
2	51,060	50,110	49,650	48,731	50,437	69,365	59,237	64,584	47,143	56,173	54,973	53,698
3	51,060	50,110	49,650	48,731	51,057	69,653	58,203	63,491	47,143	56,173	54,973	53,698
4	51,060	50,110	49,650	48,731	51,768	69,365	57,428	62,404	48,501	56,173	54,973	53,554
5	50,820	50,110	49,880	48,501	52,241	69,365	57,428	61,342	49,191	56,173	54,973	53,554
6	50,820	49,880	49,880	48,501	52,966	69,365	57,428	60,544	49,650	56,173	54,429	53,554
7	50,820	49,880	49,880	48,272	53,554	69,365	57,945	60,012	50,437	55,921	54,429	53,554
8	50,820	49,880	49,880	48,272	54,185	69,365	58,462	59,754	50,820	55,921	54,429	53,554
9	50,820	49,880	49,650	48,272	54,917	69,365	58,720	59,237	51,294	55,921	54,429	53,554
10	50,820	49,880	49,880	48,272	55,670	69,076	59,237	58,978	51,768	55,670	54,429	53,554
11	50,580	49,880	49,880	48,042	56,424	69,076	59,495	58,462	54,478	55,670	54,185	53,554
12	50,580	49,880	49,880	48,501	56,926	69,076	60,278	58,462	52,966	55,419	54,185	53,554
13	50,580	49,880	49,880	48,501	57,428	69,076	60,810	58,203	53,554	55,670	54,185	53,210
14	50,580	49,650	49,650	48,501	58,462	69,076	61,342	57,945	54,185	55,419	54,185	53,210
15	50,350	49,650	49,650	48,501	58,978	69,076	61,873	57,686	54,973	55,419	54,185	53,210
16	50,350	49,650	49,650	48,501	59,495	69,076	62,671	57,177	55,468	55,419	53,941	53,210
17	50,350	49,650	49,650	48,272	60,012	69,076	63,218	56,675	55,670	55,419	53,941	53,210
18	50,350	49,650	49,650	48,272	60,810	69,076	63,764	55,670	56,173	55,670	53,941	53,210
19	50,350	49,650	49,421	48,272	61,342	69,076	64,584	54,917	56,675	55,670	53,941	53,210
20	50,350	49,650	49,421	48,272	61,873	69,076	64,857	53,698	56,926	55,670	53,941	53,210
21	50,350	49,650	49,421	48,272	62,671	69,076	65,404	53,210	56,926	55,419	53,941	53,210
22	50,350	49,650	49,191	48,272	63,218	68,788	65,965	52,966	56,926	55,419	53,941	52,966
23	50,350	49,880	49,191	48,272	64,038	68,211	66,527	52,478	56,926	55,419	53,698	52,966
24	50,350	49,650	49,191	48,272	64,584	67,650	67,088	52,241	56,926	55,168	53,698	52,966
25	50,110	49,650	49,191	48,042	65,134	67,088	67,369	51,768	56,675	55,168	53,698	52,966
26	50,110	49,650	49,191	48,042	65,685	66,527	67,369	51,057	56,675	55,168	53,698	52,966
27	50,350	49,650	48,961	48,042	66,246	65,965	67,369	50,347	56,424	55,168	53,698	52,966
28	50,350	49,650	48,961	48,272	66,808	64,857	67,369	49,650	56,424	55,168	53,698	52,966
29	50,350	-----	48,961	48,731	67,369	63,491	66,808	48,731	56,424	54,917	53,698	52,722
30	50,350	-----	48,731	49,421	67,930	61,873	66,527	48,272	56,424	54,917	53,698	52,722
31	50,110	-----	48,731	-----	68,788	-----	65,685	47,812	-----	54,917	-----	52,722
MAX	51,060	50,110	49,880	49,421	68,788	69,653	67,369	65,404	56,926	56,424	54,973	53,698
MIN	50,110	49,650	48,731	48,042	49,880	61,873	57,428	47,812	47,143	54,917	53,698	52,722
CHANGE	-950	-460	-919	690	19,367	-6,915	3,812	-17,873	8,612	-1,507	-1,219	-976
YEAR 1994			MEAN	55,152	MAX	69,653	MIN	47,143				

PLATTE RIVER BASIN (LOUP RIVER)

FARWELL "MAIN" CANAL from Sherman Reservoir - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1						0	517	425	205			
2						0	413	482	177			
3						84	356	486	50			
4						124	174	382	0			
5						124	103	302	0			
6						124	106	256	0			
7						124	98	245	0			
8						124	96	212	0			
9						130	97	172	0			
10						133	97	138	0			
11						141	93	120	0			
12						145	114	108	0			
13						162	92	110	0			
14						168	79	111	0			
15						177	79	189	0			
16						194	79	280	0			
17						215	78	387	0			
18						255	73	458	0			
19						270	72	468	0			
20						318	70	272	0			
21						392	71	218	0			
22						440	71	224	0			
23						436	93	240	0			
24						417	102	250	0			
25						440	131	298	0			
26						445	159	339	0			
27						488	192	348	0			
28						522	257	348	0			
29		-----				544	311	422	0			
30		-----				538	354	309	0			
31		-----		-----		-----	361	237	-----		-----	
TOTAL						7,674	4,988	8,836	432			
MEAN						256	161	285	14.4			
MAX						544	517	486	205			
MIN						0	70	108	0			
AC-FT						15,220	9,890	17,530	857			
YEAR 1994	MAX	544	MIN	0	AC-FT	43,500						

PLATTE RIVER BASIN (LOUP RIVER)

157

FARWELL "SOUTH" CANAL from Sherman Reservoir - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1						0	310	264	179			
2						0	267	275	163			
3						40	245	264	46			
4						59	132	205	0			
5						60	77	166	0			
6						60	64	132	0			
7						60	52	122	0			
8						60	49	111	0			
9						70	48	90	0			
10						75	48	80	0			
11						78	48	78	0			
12						80	67	87	0			
13						86	49	91	0			
14						100	40	91	0			
15						114	40	113	0			
16						121	40	159	0			
17						138	40	213	0			
18						148	39	254	0			
19						150	38	260	0			
20						181	34	186	0			
21						235	34	162	0			
22						264	42	153	0			
23						264	49	148	0			
24						261	52	162	0			
25						275	90	181	0			
26						279	126	191	0			
27						286	166	208	0			
28						301	221	214	0			
29		-----				317	262	214	0			
30		-----				317	264	211	0			
31		-----		-----		-----	264	196	-----		-----	
TOTAL						4,479	3,297	5,281	388			
MEAN						149	106	170	12.9			
MAX						317	310	275	179			
MIN						0	34	78	0			
AC-FT						8,880	6,540	10,470	770			
YEAR 1994	MAX	317	MIN	0	AC-FT	26,670						

PLATTE RIVER BASIN (LOUP RIVER)

TURKEY CREEK near Dannebrog - 1994

LOCATION.--SW1/4NW1/4 Sec. 26-14-11 W., Howard County

GAGE.--Continuous stage recorder

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

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1993.
E indicates estimated daily discharge.

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 451 cubic feet per second March 4, gage height 11.43 feet.
Minimum daily discharge 7.1 cubic feet per second June 16.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.6E	9.0E	9.8E	11	13	7.7	19	19	25	7.9	8.8	11
2	9.6E	9.2E	10 E	11	13	7.5	31	22	24	8.0	9.6	11
3	9.6E	8.8E	21	11	13	7.2	27	36	22	8.4	9.7	11
4	9.6E	8.7E	324	11	12	8.0	153	73	31	8.2	9.4E	10
5	9.6E	9.0E	277	11	12	8.1	35	59	126	8.2	9.0E	9.0
6	9.0E	9.0E	88	10	11	7.8	20	36	20	9.0	9.6	8.4E
7	8.0E	8.8E	27	10	12	7.6	64	32	13	9.4	9.2	7.8E
8	11	9.2E	19	10	12	8.0	37	42	12	9.0	9.6	8.4E
9	10	9.6E	17	10	11	8.0	24	32	11	8.5	10	8.6E
10	10	11 E	17	10	11	7.6	20	24	10	8.8	10	8.8E
11	9.9	12 E	16	11	11	7.6	19	22	10	8.3	9.9	8.2E
12	10	9.4E	16	27	11	7.5	18	21	9.7	8.3	11	8.6E
13	10	9.0E	15	26	11	7.7	30	19	9.4	8.5	11	9.0E
14	9.9	9.4E	16	17	11	7.6	36	18	9.2	9.1	11	9.2E
15	9.5	10	16	15	11	7.6	20	17	8.8	9.1	8.9	9.0E
16	9.4E	11	15	14	10	7.1	48	14	8.6	10	10	9.2E
17	9.0E	13	15	13	9.8	8.0	26	19	8.3	13	10	9.4E
18	9.0E	67	15	13	9.7	8.6	27	23	8.4	30	10	9.6E
19	9.0E	127	14	13	9.5	9.4	20	58	8.3	12	9.4	10
20	9.6E	19	14	13	9.3	9.3	18	60	8.0	8.0	11	11
21	10	12	13	13	9.2	25	17	36	7.9	8.1	16	11
22	10	10 E	13	12	9.3	18	18	26	8.1	7.9	11	10
23	10	9.0E	13	12	9.3	19	17	23	8.6	8.6	10	11
24	11	8.6E	13	13	9.2	15	17	22	8.6	8.0	10	11
25	11	9.0E	12	13	8.6	14	23	19	8.5	8.2	10	11
26	10 E	8.6E	12	12	8.9	15	16	20	8.4	8.6	11	11
27	9.0E	9.4E	12	12	8.5	17	15	22	7.9	9.3	13	11
28	8.8E	9.6E	12	12	8.3	19	17	20	8.5	9.5	13	10
29	9.0E	-----	11	14	7.6	16	20	21	8.2	9.1	11	9.7
30	9.0E	-----	11	13	8.2	17	19	25	7.8	8.6	10	9.4E
31	8.8E	-----	11	-----	7.9	-----	20	25	-----	8.6	-----	9.0E
TOTAL	297.9	455.3	1,094.8	393	318.3	332.9	891	905	465.2	296.2	312.1	301.3
MEAN	9.61	16.3	35.3	13.1	10.3	11.1	28.7	29.2	15.5	9.55	10.4	9.72
MAX	11	127	324	27	13	25	153	73	126	30	16	11
MIN	8.0	8.6	9.8	10	7.6	7.1	15	14	7.8	7.9	8.8	7.8
AC-FT	591	903	2,170	780	631	660	1,770	1,800	923	588	619	598
YEAR 1994	TOTAL	6,063.0	MEAN	16.6	MAX	324	MIN	7.1	AC-FT	12,030		

PLATTE RIVER BASIN (LOUP RIVER)

159

TAYLOR-ORD CANAL from North Loup River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	65	203	168	96			
2					0	65	173	171	99			
3					0	67	155	178	97			
4					0	74	157	145	70			
5					0	85	102	140	67			
6					0	77	77	141	68			
7					0	80	95	146	66			
8					0	81	92	145	61			
9					0	66	72	146	44			
10					0	57	65	148	48			
11					0	62	71	149	43			
12					0	62	75	145	49			
13					0	59	67	133	45			
14					0	76	59	134	20			
15					0	106	64	154	0			
16					58	121	68	153	0			
17					98	117	69	156	0			
18					38	111	65	158	0			
19					32	86	82	149	0			
20					37	78	77	128	0			
21					34	75	75	130	0			
22					33	79	81	131	0			
23					35	85	89	130	0			
24					35	86	115	135	0			
25					49	79	137	139	0			
26					52	84	116	131	0			
27					58	95	128	137	0			
28					63	129	157	138	0			
29		-----			65	165	168	124	0			
30		-----			63	184	165	109	0			
31		-----		-----	64	-----	161	98	-----			
TOTAL					814	2,656	3,280	4,389	873			
MEAN					26.3	88.5	106	142	29.1			
MAX					98	184	203	178	99			
MIN					0	57	59	98	0			
AC-FT					1,610	5,270	6,510	8,710	1,730			
YEAR 1994	MAX	203	MIN	0	AC-FT	23,830						

PLATTE RIVER BASIN (LOUP RIVER)

TAYLOR-ORD CANAL inlet to Mirdan Canal - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	44	112	103	42			
2					0	44	116	102	44			
3					0	48	106	106	53			
4					0	46	105	83	75			
5					0	57	103	74	54			
6					0	51	53	73	62			
7					0	55	64	73	65			
8					0	57	61	80	58			
9					0	56	64	81	53			
10					0	42	56	88	50			
11					0	44	59	90	47			
12					0	46	69	90	49			
13					0	43	62	86	55			
14					0	40	51	87	46			
15					0	62	56	91	30			
16					0	80	60	90	3.5			
17					36	83	56	84	0			
18					49	84	56	83	0			
19					18	73	65	89	0			
20					18	58	67	85	0			
21					23	57	66	91	0			
22					22	56	71	90	0			
23					22	63	73	90	0			
24					21	68	89	84	0			
25					24	64	91	82	0			
26					27	65	83	74	0			
27					32	66	84	73	0			
28					35	71	101	78	0			
29		-----			37	96	110	75	0			
30		-----			37	107	114	70	0			
31		-----		-----	36	-----	113	57	-----		-----	
TOTAL					437	1,826	2,436	2,602	786.5			
MEAN					14.1	60.9	78.6	83.9	26.2			
MAX					49	107	116	106	75			
MIN					0	40	51	57	0			
AC-FT					867	3,620	4,830	5,160	1,560			
YEAR 1994	MAX	116	MIN	0	AC-FT	16,040						

PLATTE RIVER BASIN (LOUP RIVER)

161

TAYLOR-ORD CANAL outlet from Mirdan Canal - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	19	76	71	45			
2					0	20	77	70	40			
3					0	24	78	71	39			
4					0	27	78	76	39			
5					0	32	80	79	46			
6					0	34	68	78	53			
7					0	33	61	77	56			
8					0	40	58	75	57			
9					0	41	62	74	56			
10					0	30	61	79	50			
11					0	25	57	84	45			
12					0	26	62	85	45			
13					0	24	62	81	47			
14					0	20	57	79	46			
15					0	30	55	75	34			
16					33	46	58	69	17			
17					36	55	56	58	4.7			
18					52	56	56	52	0			
19					37	57	59	57	0			
20					23	47	64	57	0			
21					26	39	64	60	0			
22					26	37	62	66	0			
23					25	40	58	72	0			
24					27	46	63	72	0			
25					27	47	64	73	0			
26					23	57	61	73	0			
27					21	57	54	66	0			
28					21	45	56	66	0			
29		-----			23	53	65	69	0			
30		-----			22	70	68	69	0			
31		-----		-----	21	-----	69	58	-----		-----	
TOTAL					443	1,177	1,969	2,191	719.7			
MEAN					14.3	39.2	63.5	70.7	24.0			
MAX					52	70	80	85	57			
MIN					0	19	54	52	0			
AC-FT					879	2,330	3,910	4,350	1,430			
YEAR 1994	MAX	85	MIN	0	AC-FT	12,890						

PLATTE RIVER BASIN (LOUP RIVER)

CALAMUS RESERVOIR from Calamus River - 1994

LOCATION.--NE1/4SW1/4 Sec. 31-22-16 W.

GAGE.--Continuous stage recorder

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	108,570	107,967	108,013	113,147	125,412	127,298	123,595	113,290	95,602	89,871	97,084	94,672
2	108,570	107,967	107,967	113,527	125,514	127,093	123,444	112,769	94,925	90,075	94,168	94,714
3	108,610	107,867	107,922	113,717	126,175	127,349	122,693	112,249	94,126	90,564	94,168	94,714
4	108,380	108,151	107,967	114,193	126,582	127,400	122,194	111,919	94,967	90,725	94,294	94,714
5	108,290	107,967	108,520	114,528	126,633	127,811	121,845	111,121	94,714	91,056	94,294	94,672
6	108,240	108,151	109,212	114,757	126,684	127,811	121,191	110,420	94,336	91,631	94,336	94,630
7	107,970	108,013	110,141	114,910	126,735	127,965	121,001	110,094	94,168	92,250	94,462	94,462
8	107,780	107,692	110,560	115,198	126,633	128,067	120,555	109,630	93,790	92,582	94,462	94,588
9	107,560	107,646	110,560	115,486	126,786	128,325	120,012	108,981	93,540	92,573	94,420	94,630
10	107,290	107,692	110,560	115,775	126,786	127,862	119,323	108,750	93,081	93,373	94,252	94,630
11	107,970	108,013	10,467	116,064	126,735	127,452	118,588	108,381	92,873	93,790	94,252	94,420
12	107,970	108,151	110,514	117,176	126,786	127,605	118,931	108,059	92,665	93,916	94,252	94,504
13	108,200	108,059	110,514	117,467	126,786	127,349	118,686	107,463	92,375	93,916	94,462	94,504
14	108,150	108,151	110,514	118,100	126,786	127,093	118,295	106,869	92,292	93,707	94,564	94,504
15	108,060	108,197	110,467	118,637	126,735	126,940	117,856	106,231	91,879	93,707	94,462	94,378
16	108,150	108,259	110,514	118,882	126,684	126,991	117,856	105,777	91,631	93,790	94,378	94,504
17	108,010	108,105	110,560	119,323	126,786	126,991	117,613	105,009	91,508	94,042	94,378	94,462
18	108,060	108,059	110,420	119,717	126,940	126,991	117,322	104,378	91,302	94,252	94,588	94,420
19	108,010	108,197	110,420	120,110	126,940	127,605	117,224	103,885	91,179	94,378	94,336	94,336
20	108,110	108,197	110,467	120,357	126,940	127,605	116,498	103,081	91,097	94,252	94,420	94,378
21	108,010	108,151	110,560	120,357	126,991	127,452	116,353	102,636	91,097	94,252	94,462	94,462
22	108,200	108,151	110,934	120,901	126,991	126,940	115,919	102,103	90,974	94,252	94,462	94,462
23	108,360	108,013	111,121	121,348	127,298	126,838	115,582	101,794	90,851	94,126	94,378	94,378
24	108,290	107,876	111,262	121,497	127,298	126,735	115,582	101,132	90,728	94,168	94,504	94,462
25	108,290	107,784	111,356	122,443	127,247	126,582	115,150	100,342	90,605	93,958	94,420	94,504
26	108,200	107,555	111,496	123,344	127,298	126,429	115,102	99,817	90,483	94,084	94,294	94,546
27	108,240	107,509	111,731	123,344	127,144	126,175	114,719	99,034	90,360	93,916	95,052	94,504
28	107,970	107,692	111,967	123,897	126,991	125,564	114,384	98,398	90,147	94,084	94,925	94,546
29	108,060	-----	112,344	124,805	127,195	125,658	113,860	91,437	90,075	94,126	94,714	94,546
30	107,970	-----	112,769	125,209	127,452	125,249	113,622	97,051	90,075	94,084	94,672	94,630
31	107,970	-----	112,911	-----	127,452	-----	113,432	96,580	-----	94,168	-----	94,714
MAX	108,610	108,259	112,911	125,209	127,452	128,325	123,595	113,290	95,602	94,378	97,084	94,714
MIN	107,290	107,509	10,467	113,147	125,412	125,249	113,432	91,437	90,075	89,871	94,168	94,336
CHANGE	-550	-278	5,219	12,298	2,243	-2,203	-11,817	-16,852	-6,505	4,093	504	42.0
YEAR 1994			MEAN	107,789	MAX	128,325	MIN	10,467				

PLATTE RIVER BASIN (LOUP RIVER)

163

MIRDAN CANAL from Calamus Reservoir - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	196	478	144	226			
2					0	197	382	173	223			
3					0	197	334	200	188			
4					0	194	328	224	148			
5					0	193	328	208	127			
6					0	194	328	189	97			
7					0	207	323	184	72			
8					0	200	286	183	69			
9					0	192	280	190	70			
10					57	193	278	193	69			
11					73	195	266	208	69			
12					92	201	260	229	70			
13					154	202	203	220	69			
14					207	205	186	215	68			
15					189	209	161	218	14			
16					154	217	148	260	0			
17					183	280	147	275	0			
18					182	291	117	280	0			
19					195	287	107	241	0			
20					232	291	107	174	0			
21					243	296	107	161	0			
22					217	296	107	164	0			
23					209	296	107	229	0			
24					207	296	105	274	0			
25					212	298	121	322	0			
26					212	311	109	337	0			
27					208	315	101	320	0			
28					199	358	101	314	0			
29		-----			188	402	100	298	0			
30		-----			184	452	100	255	0			
31		-----		-----	190	-----	100	231	-----			
TOTAL					3,987	7,661	6,205	7,113	1,579			
MEAN					129	255	200	229	52.6			
MAX					243	452	478	337	226			
MIN					0	192	100	144	0			
AC-FT					7,910	15,200	12,310	14,110	3,130			
YEAR 1994	MAX	478	MIN	0	AC-FT	52,650						

PLATTE RIVER BASIN (LOUP RIVER)

SCOTIA CANAL from Mirdan Canal - 1994

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

GAGE.--Continuous stage recorder and modified Parshall flume

PERIOD OF RECORD.--1989 to present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	19	76	71	45			
2					0	20	77	70	40			
3					0	24	78	71	39			
4					0	27	78	76	39			
5					0	32	80	79	46			
6					0	34	68	78	53			
7					0	33	61	77	56			
8					0	40	58	75	57			
9					0	41	62	74	56			
10					0	30	61	79	50			
11					0	25	57	84	45			
12					0	26	62	85	45			
13					0	24	62	81	47			
14					0	20	57	79	46			
15					0	30	55	75	34			
16					33	46	58	69	17			
17					36	55	56	58	4.7			
18					52	56	56	52	0			
19					37	57	59	57	0			
20					23	47	64	57	0			
21					26	39	64	60	0			
22					26	37	62	66	0			
23					25	40	58	72	0			
24					27	46	63	72	0			
25					27	47	64	73	0			
26					23	57	61	73	0			
27					21	57	54	66	0			
28					21	45	56	66	0			
29		-----			23	53	65	69	0			
30		-----			22	70	68	69	0			
31		-----		-----	21	-----	69	58	-----			
TOTAL					443	1,177	1,969	2,191	719.7			
MEAN					14.3	39.2	63.5	70.7	24.0			
MAX					52	70	80	85	57			
MIN					0	19	54	52	0			
AC-FT					879	2,330	3,910	4,350	1,430			
YEAR 1994	MAX	85	MIN	0	AC-FT	12,890						

PLATTE RIVER BASIN (LOUP RIVER)

165

INLET TO DAVIS CREEK RESERVIOR from Mirdan Canal - 1994

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

GAGE.--Continuous stage recorder and modified Parshell Flume

PERIOD OF RECORD.--1991 to present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	115	168	39	49			
2					0	114	184	18	49			
3					0	114	206	0	49			
4					0	114	208	9.5	45			
5					0	114	207	15	43			
6					0	114	207	12	41			
7					0	115	210	13	20			
8					0	114	184	13	11			
9					0	115	159	13	11			
10					0	115	161	12	11			
11					0	116	162	6.6	11			
12					0	115	166	6.5	15			
13					5.8	114	142	7.2	17			
14					15	112	107	11	21			
15					102	110	101	11	28			
16					119	110	100	36	35			
17					113	150	88	52	38			
18					105	196	56	47	39			
19					90	209	35	46	38			
20					81	213	35	40	36			
21					90	212	36	33	33			
22					105	211	37	40	31			
23					116	209	35	79	30			
24					122	211	42	83	29			
25					117	212	44	79	20			
26					114	212	42	79	8.5			
27					112	196	40	76	2.9			
28					110	180	36	75	.25			
29		-----			110	177	32	75	0			
30		-----			111	170	36	77	0			
31		-----		-----	113	-----	39	61	-----		-----	
TOTAL					1,850.8	4,579	3,305	1,164.8	761.65			
MEAN					59.7	153	107	37.6	25.4			
MAX					122	213	210	83	49			
MIN					0	110	32	0	0			
AC-FT					3,670	9,080	6,560	2,310	1,510			
YEAR 1994	TOTAL	11,661.25	MEAN	76.2	MAX	213	MIN	0	AC-FT	23,130		

PLATTE RIVER BASIN (LOUP RIVER)

DAVIS CREEK RESERVOIR from Calamus Reservoir via Mirdan Canal - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10,700	10,310	10,050	9,670	8,990	10,660	14,920	15,090	9,910	9,460	9,060	8,690
2	10,690	10,290	10,040	9,650	8,940	10,790	14,950	14,860	9,880	9,460	9,050	8,680
3	10,690	10,280	10,040	9,630	8,880	10,930	14,990	14,670	9,860	9,450	9,040	8,670
4	10,670	10,260	10,070	9,620	8,840	11,060	15,060	14,250	9,940	9,440	9,010	8,660
5	10,660	10,260	10,060	9,610	8,770	11,260	15,120	13,870	9,930	9,430	9,010	8,640
6	10,640	10,230	10,060	9,580	8,720	11,380	15,150	13,580	9,910	9,390	8,990	8,630
7	10,610	10,220	10,050	9,560	8,710	11,570	15,290	13,370	9,850	9,380	8,980	8,630
8	10,590	10,210	10,030	9,550	8,670	11,740	16,230	13,190	9,760	9,360	8,970	8,620
9	10,580	10,190	10,020	9,530	8,620	11,900	15,410	12,900	9,670	9,340	8,970	8,610
10	10,570	10,180	10,010	9,520	8,550	12,030	15,600	12,670	9,640	9,320	8,940	8,600
11	10,550	10,170	10,000	9,500	8,500	12,190	15,720	12,470	9,600	9,300	8,910	8,590
12	10,540	10,170	9,980	9,500	8,420	12,310	15,980	12,230	9,580	9,280	8,910	8,580
13	10,540	10,150	9,970	9,540	8,360	12,430	16,210	11,970	9,570	9,270	8,900	8,560
14	10,520	10,140	9,960	9,530	8,340	12,500	16,210	11,760	9,230	9,260	8,890	8,550
15	10,490	10,140	9,950	9,530	8,320	12,660	16,210	11,570	9,010	9,250	8,870	8,540
16	10,480	10,130	9,930	9,510	8,530	12,710	16,230	11,350	9,060	9,260	8,850	8,540
17	10,470	10,130	9,920	9,500	8,700	12,760	16,220	11,030	9,100	9,260	8,840	8,530
18	10,460	10,120	9,920	9,480	8,850	12,930	16,110	10,760	9,160	9,260	8,830	8,520
19	10,450	10,120	9,890	9,450	8,990	13,290	16,070	10,560	9,220	9,260	8,810	8,510
20	10,440	10,110	9,880	9,440	9,050	13,180	15,940	10,310	9,290	9,250	8,790	8,490
21	10,420	10,110	9,860	9,420	9,150	13,680	15,810	10,160	9,340	9,230	8,800	8,480
22	10,410	10,120	9,850	9,410	9,280	13,900	15,740	10,050	9,370	9,210	8,790	8,470
23	10,400	10,120	9,840	9,400	8,420	14,100	15,680	10,030	9,420	9,190	8,760	8,460
24	10,390	10,120	9,790	9,390	9,590	14,220	15,760	10,030	9,430	9,170	8,750	8,460
25	10,380	10,110	9,780	9,380	9,730	14,410	15,750	10,030	9,460	9,150	8,750	8,450
26	10,370	10,100	9,760	9,380	9,880	14,560	15,720	10,020	9,520	9,130	8,740	8,440
27	10,360	10,080	9,750	9,220	10,000	14,740	15,660	10,000	9,510	9,130	8,730	8,440
28	10,350	10,060	9,730	9,140	10,140	14,830	15,600	9,970	9,500	9,120	8,730	8,430
29	10,340	-----	9,720	9,090	10,270	14,880	15,500	9,940	9,490	9,100	8,710	8,420
30	10,330	-----	9,700	9,040	10,410	14,880	12,310	9,920	9,480	9,080	8,700	8,410
31	10,320	-----	9,680	-----	10,520	-----	15,180	9,940	-----	9,060	-----	8,390
MAX	10,700	10,310	10,070	9,670	10,520	14,880	16,230	15,090	9,940	9,460	9,060	8,690
MIN	10,320	10,060	9,680	9,040	8,320	10,660	12,310	9,920	9,010	9,060	8,700	8,390
CHANGE	-380	-260	-380	-640	1,480	4,360	300	-5,240	-460	-420	-360	-310
YEAR 1994			MEAN	10,453	MAX	16,230	MIN	8,320				

PLATTE RIVER BASIN (LOUP RIVER)

167

FULLERTON CANAL from Davis Creek Reservoir - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	0	32	148	104	60			
2				0	0	32	148	105	60			
3				0	14	32	148	165	59			
4				0	23	21	148	178	60			
5				0	22	17	149	139	59			
6				0	14	17	149	123	59			
7				0	6.9	17	149	122	59			
8				0	23	17	114	121	59			
9				0	26	25	69	121	30			
10				0	26	31	49	121	18			
11				0	26	31	49	121	18			
12				0	26	31	63	121	18			
13				0	26	31	81	121	100			
14				0	26	30	82	121	153			
15				0	25	55	82	120	50			
16				0	25	63	82	159	0			
17				0	25	64	84	171	0			
18				0	27	64	83	171	0			
19				0	29	64	82	171	0			
20				0	29	64	83	118	0			
21				0	29	95	62	96	0			
22				0	30	104	51	64	0			
23				0	30	104	51	76	0			
24				0	31	105	51	86	0			
25				0	31	105	58	86	0			
26				40	31	105	59	86	0			
27				40	31	105	59	86	0			
28				21	31	105	59	86	0			
29		-----		20	31	138	88	86	0			
30		-----		20	31	148	104	67	0			
31		-----		-----	32	-----	104	60	-----		-----	
TOTAL				141	756.9	1,852	2,788	3,572	862			
MEAN				4.70	24.4	61.7	89.9	115	28.7			
MAX				40	32	148	149	178	153			
MIN				0	0	17	49	60	0			
AC-FT				280	1,500	3,670	5,530	7,090	1,710			
YEAR 1994	TOTAL	9,971.9	MEAN	54.5	MAX	178	MIN	0	AC-FT	19,780		

PLATTE RIVER BASIN (LOUP RIVER)

BURWELL-SUMTER CANAL from North Loup River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	41	109	73	61			
2					0	39	99	76	59			
3					0	38	72	76	59			
4					54	36	75	60	51			
5					93	35	61	60	40			
6					86	33	42	63	38			
7					45	35	47	64	38			
8					49	37	42	66	39			
9					52	33	41	73	42			
10					47	32	41	80	44			
11					38	31	48	79	45			
12					39	32	56	81	47			
13					38	32	51	84	48			
14					33	34	45	84	50			
15					35	41	45	84	51			
16					37	55	48	86	41			
17					38	57	45	89	9.0			
18					39	52	44	95	12			
19					39	39	48	96	6.0			
20					40	35	51	88	0			
21					41	36	49	80	0			
22					43	35	58	76	0			
23					44	34	67	70	0			
24					40	39	71	61	0			
25					37	46	75	73	0			
26					36	46	64	77	0			
27					36	53	53	76	0			
28					36	66	64	75	0			
29		-----			37	81	64	69	0			
30		-----			38	95	61	64	0			
31		-----		-----	39	-----	60	63	-----		-----	
TOTAL					1,229	1,298	1,796	2,341	780.0			
MEAN					39.6	43.3	57.9	75.5	26.0			
MAX					93	95	109	96	61			
MIN					0	31	41	60	0			
AC-FT					2,440	2,570	3,560	4,640	1,550			
YEAR 1994	MAX	109	MIN	0	AC-FT	14,770						

PLATTE RIVER BASIN (LOUP RIVER)

169

NORTH LOUP RIVER at Ord - 1994

LOCATION.--SW1/4NW1/4 Sec. 22-19-14 W., Valley County

GAGE.--Continuous stage recorder

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.

E indicates estimated daily discharge.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 10,100 cubic feet per second on June 2, 1962 at gage height 5.52 ft.

Maximum gage height 6.74 ft. Feb. 11, 1993 due to backwater from ice.

Minimum daily discharge 100 cubic feet per second Jan. 3, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharge 4,960 cubic feet per second on Sep. 4 at gage height 4.47 ft.

Maximum gage height 6.04 ft. March 3 due to backwater from ice.

Minimum daily discharge 352 cubic feet per second estimated on June 30.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1,300	690E	1,300E	861	1,090	518	410	612	722	893	1,020	1,150
2	1,140	660E	1,800E	884	1,180	533	588	612	744	798	1,010	1,200
3	1,070	620E	3,000E	924	1,140	596	605	649	819	716	1,020	1,160
4	1,190	640E	2,610	870	1,120	680	653	903	2,490	679	1,020	1,120
5	1,200	580E	1,640	887	1,110	671	1,410	639	1,260	681	1,010	960E
6	800E	540E	1,360	868	1,100	647	1,420	628	1,090	671	1,000	800E
7	450E	480E	1,310	801	1,130	701	1,280	649	1,040	716	967	737E
8	480E	500E	1,590	828	1,010	800	1,210	654	998	710	975	918E
9	540E	466E	1,490	836	1,030	1,330	1,130	673	939	661	957	900E
10	600E	520E	1,400	841	1,020	1,240	997	695	867	603	985	940E
11	680E	600E	1,390	846	974	938	863	674	803	592	1,000	900E
12	780E	760E	1,340	978	906	819	732	677	762	855	1,020	940E
13	745E	700E	1,360	1,050	910	803	936	735	752	890	1,030	900E
14	700E	780E	1,330	1,050	863	703	1,090	741	786	898	993	1,000E
15	740E	860E	1,300	1,030	773	530	932	697	852	917	978	960E
16	700E	1,100E	1,290	979	722	522	1,120	653	881	1,000	1,010	1,000E
17	680E	1,000E	1,200	865	686	539	1,100	632	910	1,380	989	960E
18	660E	1,200E	1,230	805	740	1,070	1,000	618	823	1,720	1,130	880E
19	690E	1,100E	1,230	836	815	1,000	1,010	760	790	1,500	1,180	800E
20	670E	1,040E	1,160	824	809	773	999	741	792	1,330	1,110	860E
21	760E	1,000E	1,030	799	750	562	949	696	828	1,290	1,080	800E
22	900E	960E	994	783	731	560	848	710	865	1,270	1,120	820E
23	1,100E	900E	949	797	741	528	772	708	846	1,280	1,180	820E
24	1,000E	960E	928	794	740	516	738	685	846	1,220	1,180	780E
25	900E	1,000E	910	771	721	527	707	677	879	1,150	1,150	820E
26	940E	960E	899	957	709	464	924	704	910	1,090	1,060	800E
27	890E	1,100E	868	924	680	423	934	710	958	1,110	1,230	840E
28	853E	1,400E	898	899	621	418	753	665	982	1,110	1,210	820E
29	800E	-----	841	963	585	382	631	721	973	1,070	1,170	860E
30	700E	-----	846	1,070	531	352	597	731	951	1,130	1,060	840E
31	600E	-----	829	-----	519	-----	592	716	-----	1,110	-----	800E
TOTAL	25,258	23,116	40,322	26,620	26,456	20,145	27,930	21,365	28,158	31,040	31,844	28,085
MEAN	815	826	1,301	887	853	672	901	689	939	1,001	1,061	906
MAX	1,300	1,400	3,000	1,070	1,180	1,330	1,420	903	2,490	1,720	1,230	1,200
MIN	450	466	829	771	519	352	410	612	722	592	957	737
AC-FT	50,100	45,850	79,980	52,800	52,480	39,960	55,400	42,380	55,850	61,570	63,160	55,710
YEAR 1994	TOTAL	330,339	MEAN	905	MAX	3,000	MIN	352	AC-FT	655,200		

PLATTE RIVER BASIN (LOUP RIVER)

ORD-NORTH LOUP CANAL from North Loup River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	31	64	40	37			
2					0	30	71	48	35			
3					0	30	70	53	34			
4					0	30	71	56	31			
5					0	29	67	59	27			
6					0	30	57	61	24			
7					0	30	50	70	19			
8					0	29	41	79	0			
9					29	29	37	90	0			
10					23	28	39	95	0			
11					12	28	38	96	0			
12					12	28	38	92	0			
13					15	29	38	92	0			
14					17	34	34	95	0			
15					17	41	35	94	0			
16					17	45	36	90	0			
17					19	45	35	89	0			
18					23	46	36	89	0			
19					24	38	36	83	0			
20					25	39	36	71	0			
21					25	39	36	71	0			
22					26	39	36	70	0			
23					26	39	36	64	0			
24					15	39	36	56	0			
25					16	39	36	54	0			
26					41	39	37	53	0			
27					37	39	36	51	0			
28					32	43	37	51	0			
29		-----			32	54	37	50	0			
30		-----			32	58	38	44	0			
31		-----		-----	31	-----	38	38	-----		-----	
TOTAL					546	1,097	1,332	2,144	207			
MEAN					17.6	36.6	43.0	69.2	6.90			
MAX					41	58	71	96	37			
MIN					0	28	34	38	0			
AC-FT					1,080	2,180	2,640	4,250	411			
YEAR 1994	MAX	96	MIN	0	AC-FT	10,560						

PLATTE RIVER BASIN (LOUP RIVER)

171

MIRA CREEK near North Loup - 1994

LOCATION.--NW1/4SE1/4 Sec. 7-18-13 W., Valley County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1979 - present

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 551 cubic feet per second on May 14 at gage height 5.02 feet.
Minimum daily discharge 0.74 cubic feet per second on October 13.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.5	1.2	2.8	2.6	2.7	4.8	7.4	5.8	7.3	1.0	.94	2.0
2	1.5	1.2	3.3	2.3	2.3	4.8	14	5.8	6.9	1.1	.97	1.8
3	1.4	1.1	49	2.3	2.3	4.8	11	6.5	7.4	1.4	.83	1.5
4	1.5	1.1	166	2.2	2.1	4.9	11	7.5	24	1.1	1.0	1.4
5	1.7	1.2	125	1.7	2.0	5.0	9.6	7.0	11	1.1	1.0	1.3
6	1.3	1.2	61	1.8	2.0	5.0	15	7.4	5.6	1.3	.98	1.2
7	1.0	.98	25	1.8	1.9	5.1	30	7.3	5.6	1.0	1.0	1.7
8	1.1	.83	14	1.9	1.7	6.1	17	6.9	5.3	1.0	.90	1.7
9	1.2	.83	9.4	1.8	2.1	6.1	15	7.0	5.2	.96	.94	1.6
10	1.2	.94	7.5	1.6	3.3	5.9	13	6.8	5.1	.91	.90	1.6
11	1.2	.99	6.7	1.9	2.0	5.5	11	6.7	5.1	.80	.95	1.4
12	1.2	.99	6.6	6.3	1.4	5.4	11	6.6	4.8	.77	1.0	1.4
13	1.2	1.0	6.5	6.6	1.3	5.3	30	6.5	5.3	.74	1.2	1.4
14	1.2	1.1	6.7	4.3	115	5.6	19	6.1	5.3	.76	.93	1.4
15	1.1	1.2	6.7	3.1	5.5	4.9	15	3.7	5.0	1.1	.83	1.4
16	1.0	2.0	6.4	2.7	2.8	4.8	36	3.6	5.0	1.5	3.8	1.5
17	.89	3.3	5.9	2.4	1.9	4.8	55	3.4	5.5	5.1	1.5	1.5
18	.82	16	5.7	2.4	1.6	32	39	4.3	5.3	5.4	1.0	1.6
19	.82	13	6.1	2.1	1.6	22	22	8.7	5.0	1.6	.98	1.6
20	.83	4.5	5.7	2.9	1.6	11	12	7.7	4.1	1.6	1.3	1.6
21	.87	4.1	5.4	2.1	1.7	8.7	9.7	6.7	3.7	1.4	1.6	1.7
22	.99	3.1	6.9	1.9	2.1	15	8.7	6.9	2.9	1.3	1.3	1.8
23	1.2	4.0	4.9	2.1	3.0	24	9.8	6.7	2.5	1.3	1.2	2.0
24	1.2	7.3	4.2	2.1	3.5	10	37	5.6	2.6	1.0	1.3	2.1
25	1.3	2.5	3.6	2.0	4.1	7.9	22	4.8	2.2	.94	1.3	2.2
26	1.2	1.8	3.6	1.9	4.4	6.8	68	5.5	1.7	.95	1.3	2.2
27	1.1	3.3	3.3	1.7	4.4	5.9	31	6.2	1.6	.92	2.2	2.1
28	1.1	2.9	3.0	2.3	4.8	5.8	23	5.4	1.5	1.0	1.9	2.1
29	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1.9
30	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1.8
31	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1.8
TOTAL	32.62	83.66	560.9	70.8	185.1	237.9	602.2	173.1	152.5	39.05	35.05	52.3
MEAN	1.17	2.99	20.0	2.53	6.61	8.50	21.5	6.18	5.45	1.39	1.25	1.69
MAX	1.7	16	166	6.6	115	32	68	8.7	24	5.4	3.8	2.2
MIN	.82	.83	2.8	1.6	1.3	4.8	7.4	3.4	1.5	.74	.83	1.2
AC-FT	65	166	1,110	140	367	472	1,190	343	302	77	70	104
YEAR 1994	TOTAL	2,225.18	MEAN	6.56	MAX	166	MIN	.74	AC-FT	4,410		

PLATTE RIVER BASIN (LOUP RIVER)

CEDAR RIVER near Spalding - 1994

LOCATION.--NE1/4NE1/4 Sec. 15-20-10 W., Greeley County

GAGE.--Continuous stage recorder

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

REMARKS.--Record published by U. S. Geological Survey through Sep. 1994
E indicates estimated daily dischargeEXTREMES FOR PERIOD OF RECORD.--Peak discharge 4,000 cubic feet per second on June 23, 1947 at gage height 7.50 ft.
Minimum daily discharge 30 cubic feet per second January 30, 1946.EXTREMES FOR CURRENT YEAR.--Peak discharge 1,150 cubic feet per second on July 6 at gage height 5.22 ft.
Minimum daily discharge 128 cubic feet per second August 23 & 24.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	170	190E	269	179	236	142	147	195	134	154	155	182
2	169	190E	226	178	263	144	173	186	135	160	156	186
3	165E	190E	243	176	293	149	177	185	140	166	156	190
4	167	190E	269	172	321	149	185	195	174	169	159	195
5	171	195E	278	170	287	151	232	197	197	168	160	185E
6	160E	190E	344	166	263	150	702	265	263	169	159	170E
7	165E	185E	402	166	254	152	497	208	215	164	159	168E
8	170E	175E	390	162	216	179	329	195	187	156	159	166E
9	175E	175E	356	163	217	193	255	188	171	153	156	160E
10	180E	180E	302	161	208	189	244	186	160	154	154	162E
11	175E	180E	277	166	195	175	230	186	135	153	152	160E
12	185E	180E	228	232	186	164	237	183	138	153	157	158E
13	185E	180E	250	264	164	156	398	177	142	154	159	160E
14	175E	185E	252	305	192	150	345	171	145	158	156	155E
15	170E	185E	245	335	188	141	433	163	144	165	152	150E
16	175E	190E	241	409	178	140	467	153	141	186	151	152E
17	170E	185E	236	446	165	141	434	129	139	213	154	157E
18	170E	195	229	415	160	214	355	133	138	256	156	162E
19	175E	205	223	323	155	332	283	134	140	228	150	164E
20	180E	210	221	247	151	246	247	130	140	203	148E	170E
21	190E	226	214	187	152	166	182	131	144	190	155E	175E
22	205E	221	206	200	152	196	187	132	147	178	160E	178E
23	215E	150	203	197	160	345	185	128	149	168	167	182E
24	210E	176	197	189	159	247	187	128	156	162	166	185E
25	200E	185E	193	186	152	169	195	133	160	156	165	188E
26	195E	200E	190	185	145	166	300	136	159	155	169	190E
27	190E	215E	188	179	142	160	276	138	156	149	160E	193E
28	195E	240E	185	197	140	152	251	137	157	154	158E	200E
29	190E	-----	184	212	141	143	227	138	155	156	165E	208E
30	185E	-----	184	224	140	138	210	136	155	154	178	200E
31	185E	-----	182	-----	139	-----	197	135	-----	155	-----	195E
TOTAL	5,612	5,368	7,607	6,791	5,914	5,339	8,767	5,031	4,716	5,259	4,751	5,446
MEAN	181	192	245	226	191	178	283	162	157	170	158	176
MAX	215	240	402	446	321	345	702	265	263	256	178	208
MIN	160	150	182	161	139	138	147	128	134	149	148	150
AC-FT	11,130	10,650	15,090	13,470	11,730	10,590	17,390	9,980	9,350	10,430	9,420	10,800

YEAR 1994	TOTAL	70,601	MEAN	193	MAX	702	MIN	128	AC-FT	140,000
-----------	-------	--------	------	-----	-----	-----	-----	-----	-------	---------

PLATTE RIVER BASIN (LOUP RIVER)

173

LOUP RIVER POWER CANAL from the Loup River near Genoa - 1994

LOCATION.--NE1/4NE1/4 Sec. 32-17-4 W., Nance County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1936 - present

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1993.
E indicates estimated daily discharge.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	235	1,100	1,490	2,030	2,520	1,480	1,050	1,370	1,170			
2	446	1,220	1,570	1,890	2,510	1,460	1,220	1,430	1,180			
3	298	1,090	2,010	2,070	2,590	1,450	1,410	1,240	1,180			
4	210	1,030	1,970	1,950	2,510	1,610	1,750	1,330	1,520			
5	189	1,070	1,480	2,190	2,390	1,750	2,130	1,390	1,970			
6	140E	1,100	1,560	2,230	2,450	1,750	2,150	1,910	1,600			
7	100E	999	1,810	2,240	2,600	1,650	2,220	1,520	1,470			
8	74E	850	1,970	1,950	2,590	1,450	2,330	1,230	1,410			
9	80E	620	2,000	1,990	2,470	1,450	2,240	1,260	1,320			
10	92E	744	2,590	2,070	2,290	1,450	2,240	1,390	1,100			
11	98E	793	2,800	2,110	2,190	1,460	2,270	1,360	1,030			
12	110E	851	2,500	2,540	2,120	1,460	2,110	1,360	1,010			
13	524	917	2,390	2,240	2,000	1,460	2,370	1,370	935			
14	300	989	2,250	2,020	2,080	1,550	2,630	1,380	1,200			
15	280	1,150	2,210	2,150	2,030	1,620	2,850	1,390	1,180			
16	363	1,360	1,830	2,250	2,030	1,530	2,870	1,380	1,130			
17	362	1,480	2,020	2,240	1,800	1,360	2,900	1,350	1,130			
18	503E	1,740	2,430	2,120	1,680	1,320	2,840	1,290	1,190			
19	611E	1,970	2,130	2,100	1,550	1,270	2,780	1,230	1,210			
20	752	1,840	2,060	2,170	1,470	2,210	2,630	1,380	1,160			
21	943	1,400	2,110	2,150	1,540	2,160	2,430	1,390	1,180			
22	1,260	549	2,020	2,070	1,520	1,950	2,050	1,320	1,330			
23	1,320	481	2,020	2,170	1,730	1,900	1,680	1,220	1,390			
24	1,410	680	2,210	2,050	1,630	2,010	1,530	1,200	1,410			
25	1,260	460	2,340	2,070	1,630	1,880	1,790	1,200	1,350			
26	943	444	2,190	2,140	1,610	1,480	1,600	1,170	1,280			
27	765	760	2,160	2,420	1,670	1,320	2,070	1,190	1,310			
28	1,030	1,090	2,200	2,530	1,590	1,190	1,690	1,170	1,300			
29	1,020	-----	2,200	2,480	1,580	1,100	1,560	1,150	1,310			
30	996	-----	2,200	2,530	1,510	1,040	1,490	1,160	1,280			
31	984	-----	2,030	-----	1,510	-----	1,410	1,160	-----			
TOTAL	17,698	28,777	64,750	65,160	61,390	46,770	64,290	40,890	38,235			
MEAN	571	1,028	2,089	2,172	1,980	1,559	2,074	1,319	1,275			
MAX	1,410	1,970	2,800	2,540	2,600	2,210	2,900	1,910	1,970			
MIN	74	444	1,480	1,890	1,470	1,040	1,050	1,150	935			
AC-FT	35,100	57,080	128,400	129,200	121,800	92,770	127,500	81,110	75,840			

PARTIAL YEAR 1994, January 1 through September 30: MAX 2,900 MIN 74 AC-FT 848,900

PLATTE RIVER BASIN (LOUP RIVER)

BEAVER CREEK at Loretto - 1994

LOCATION.--NE1/4SE1/4 Sec. 26-21-7 W.

GAGE.--Continuous stage recorder

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

REMARKS.--Record published by U. S. Geological Survey through Sep. 1991
E indicates estimated daily discharge.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 5,600 cubic feet per second on August 29, 1993 at 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 908 cubic feet per second March 4, gage height 6.25 feet.
Minimum daily discharge 43 cubic feet per second February 23.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	67E	65E	71	86	127	69	55	83	51	55	66	65
2	62E	64E	75	86	139	80	70	116	53	56	66	69
3	58E	62E	142	85	137	70	70	78	55	61	66	70
4	50E	64E	496	84	125	65	73	82	62	61	65	70E
5	52E	60E	382	82	114	85	210	112	69	63	66	68E
6	49E	59E	310	82	102	76	206	112	62	63	67	62E
7	51E	60E	227	82	98	64	168	91	58	61	68	58E
8	53E	61E	180	81	97	70	260	83	57	58	66	56E
9	57E	62E	146	76	92	95	251	79	57	54	66	54E
10	59E	64E	128	74	88	97	165	77	56	55	66	52E
11	58E	65E	120	73	83	81	112	73	54	53	66	50E
12	62E	64E	114	133	81	69	107	72	53	54	66	51E
13	60E	66E	112	231	78	63	333	68	52	57	68	60E
14	55E	68E	113	242	83	59	342	64	51	57	65	68E
15	50E	70E	115	311	136	53	381	60	52	59	64	65E
16	52E	66E	113	318	103	52	428	56	50	74	65	70E
17	45E	75	111	286	84	52	292	53	49	80	65	77E
18	47E	194	109	203	76	55	239	51	50	110	64	72E
19	53E	361	112	151	71	95	183	49	51	92	63	74E
20	60E	172	111	126	68	108	144	48	51	81	63	70E
21	67E	115	107	109	66	161	120	48	52	77	69	74E
22	75E	72	105	98	65	132	107	49	60	72	72	78E
23	80E	43	100	92	64	491	97	48	62	71	69	77E
24	72E	57E	94	88	61	186	113	46	60	70	67	72E
25	70E	53E	91	84	59	153	110	51	60	70	66	74E
26	67E	55E	89	85	58	109	97	55	59	69	66	82E
27	45E	60E	85	79	58	88	89	52	58	69	66	86E
28	64E	65E	84	81	58	75	80	53	57	68	69E	84E
29	62E	-----	84	96	56	64	73	53	55	67	60E	79E
30	64E	-----	85	112	55	58	71	53	55	67	65E	75E
31	65E	-----	84	-----	54	-----	69	53	-----	67	-----	70E
TOTAL	1,831	2,342	4,295	3,816	2,636	2,975	5,115	2,068	1,671	2,071	1,980	2,132
MEAN	59.1	83.6	139	127	85.0	99.2	165	66.7	55.7	66.8	66.0	68.8
MAX	80	361	496	318	139	491	428	116	69	110	72	86
MIN	45	43	71	73	54	52	55	46	49	53	60	50
AC-FT	3,630	4,650	8,520	7,570	5,230	5,900	10,150	4,100	3,310	4,110	3,930	4,230
YEAR 1994	TOTAL	32,932	MEAN	90.2	MAX	496	MIN	43	AC-FT	65,320		

PLATTE RIVER BASIN (ELKHORN RIVER)

175

ELKHORN RIVER near Atkinson - 1994

LOCATION.--SW1/4NW1/4 Sec. 13-29-14 W., Holt County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1982 - present

REMARKS.--Published by U. S. Geological Survey up to October 1, 1991.
E indicates estimated daily discharge.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,240 cubic feet per second on March 6 at gage height 7.47 feet.
Minimum daily discharge 30 cubic feet per second on February 8.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	63E	41E	110E	141	303	43	165	44	67	46	41	43E
2	58E	44E	140E	134	372	44	168	59	87	47	40	45E
3	57E	43E	250E	128	357	43	159	56	115	47	39	45E
4	59E	41E	350E	124	365	42	157	48	203	45	41	42E
5	59E	39E	600E	121	378	45	160	46	307	45	41	42E
6	54E	32E	1,110	120	341	42	156	51	336	47	40	40E
7	45E	33E	939	119	313	46	175	48	292	46	40	40E
8	40E	30E	670	118	281	48	192	48	242	45	40	39E
9	43E	34E	634	112	240	50	193	57	199	45	41	40E
10	47E	39E	599	107	202	47	177	86	165	45	41	37E
11	50E	44E	566	102	176	47	154	142	140	44	41	39E
12	52E	47E	494	102	152	46	135	164	119	43	41	44E
13	52E	49E	480	101	132	45	127	143	105	42	42	48E
14	45E	50E	434	98	124	42	117	116	95	43	39	51E
15	40E	50E	391	99	114	39	112	95	87	43	38	51E
16	37E	49E	355	98	102	39	130	82	79	45	39	52E
17	36E	48E	329	96	93	38	117	71	73	47	40	52E
18	35E	48E	306	94	85	72	111	63	68	51	38	53E
19	35E	45E	284	89	79	175	101	54	63	49	38	54E
20	38E	44E	262	87	71	304	92	48	60	48	41	53E
21	44E	43E	238	84	65	444	85	45	56	48	41	52E
22	48E	42E	218	83	62	405	79	42	55	47	38E	51E
23	48E	43E	201	83	61	509	72	40	52	45	37E	49E
24	46E	45E	181	82	59	511	68	38	53	43	37E	52E
25	45E	49E	167	80	54	439	62	40	52	43	38E	54E
26	45E	60E	163	87	51	352	59	39	51	43	40E	56E
27	44E	70E	154	101	49	300	55	39	49	44	40E	62E
28	45E	89E	147	115	47	253	53	37	48	44	38E	65E
29	41E	-----	142	138	45	207	49	36	47	42	36E	68E
30	39E	-----	143	200	43	181	47	48	47	41	40E	68E
31	38E	-----	143	-----	40	-----	45	49	-----	40	-----	66E
TOTAL	1,428	1,291	11,200	3,243	4,856	4,898	3,572	1,974	3,412	1,393	1,186	1,553
MEAN	46.1	46.1	361	108	157	163	115	63.7	114	44.9	39.5	50.1
MAX	63	89	1,110	200	378	511	193	164	336	51	42	68
MIN	35	30	110	80	40	38	45	36	47	40	36	37
AC-FT	2,830	2,560	22,220	6,430	9,630	9,720	7,090	3,920	6,770	2,760	2,350	3,080
YEAR 1994	TOTAL	40,006	MEAN	110	MAX	1,110	MIN	30	AC-FT	79,350		

PLATTE RIVER BASIN (ELKHORN RIVER)

SOUTH FORK ELKHORN RIVER near Ewing - 1994

LOCATION.--SE1/4NE1/4 Sec. 7-26-9 W.

GAGE.--Continuous Stage Recorder

PERIOD OF RECORD.--Oct. 1977 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. See USGS reports for period of record before 1977.
E indicates estimated daily discharge.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 732 cubic feet per second on April 15, gage height 2.62 feet.
Maximum gage height of 3.96 feet on January 28 from backwater due to ice.
Minimum daily discharge 21 cubic feet per second estimated on February 9.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	65E	46E	50E	53	201	41	50	49	44	40	43	61
2	60E	43E	61	50	254	40	60	48	43	43	42	61
3	55E	40E	72	49	259	39	77	57	49	45	41	62
4	50E	39E	92	47	231	41	73	49	94	44	43	60E
5	45E	43E	148	47	196	49	82	48	77	46	47	60E
6	35E	44E	320	49	163	44	74	52	69	47	49	56E
7	30E	30E	250	48	131	58	96	50	60	48	49	40E
8	31E	25E	152	49	121	76	99	46	54	47	44	40E
9	33E	21E	110	47	127	77	109	49	50	41	45	45E
10	37E	22E	100	46	133	76	113	48	50	37	46	43E
11	34E	25E	89	46	121	69	95	45	50	40	45	40E
12	40E	27E	75	68	107	62	87	43	51	37	44	44E
13	45E	30E	69	96	96	59	124	43	52	36	41	45E
14	39E	35E	69	228	90	51	140	43	51	36	43	48E
15	35E	45E	72	642	79	46	162	42	46	36	44	52E
16	30E	55E	67	620	75	42	160	41	46	37	44	55E
17	28E	76	72	354	74	41	164	39	46	41	44	58E
18	25E	82	77	254	70	54	174	37	44	44	42	56E
19	26E	99	78	196	67	58	146	38	41	40	41	59E
20	30E	98	70	139	63	65	114	40	41	40	45	79
21	40E	99	70	108	59	77	97	39	42	39	47	79
22	45E	80E	74	99	58	93	85	39	41	38	48	80
23	50E	50E	63	110	57	114	75	37	42	38	52	81
24	110E	35E	57	106	51	112	69	37	44	38	53	79
25	90E	33E	55	102	46	96	64	43	43	38	54	79
26	80E	30E	53	97	44	76	60	38	41	40	56	82
27	30E	35E	49	97	46	65	59	38	40	41	56	87
28	23E	50E	48	111	47	58	55	36	42	41	52E	88
29	25E	-----	46	109	43	53	52	36	44	40	54E	79
30	30E	-----	47	140	37	49	50	47	41	40	56	70E
31	40E	-----	48	-----	36	-----	51	43	-----	41	-----	56E
TOTAL	1,336	1,337	2,703	4,207	3,182	1,881	2,916	1,340	1,478	1,259	1,410	1,924
MEAN	43.1	47.8	87.2	140	103	62.7	94.1	43.2	49.3	40.6	47.0	62.1
MAX	110	99	320	642	259	114	174	57	94	48	56	88
MIN	23	21	46	46	36	39	50	36	40	36	41	40
AC-FT	2,650	2,650	5,360	8,340	6,310	3,730	5,780	2,660	2,930	2,500	2,800	3,820
YEAR 1994	TOTAL	24,973	MEAN	68.4	MAX	642	MIN	21	AC-FT	49,530		

PLATTE RIVER BASIN (ELKHORN RIVER)

177

CLEARWATER CREEK near Clearwater - 1994

LOCATION.--SW1/4NW1/4 Sec. 13-25-8 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--July 1961 - Sep. 1964, Oct. 1977 - present

REMARKS.--Record published by U. S. Geological Survey through Sep. 1991
E indicates estimated daily discharge.

EXTREMES FOR CURRENT YEAR.--Peak discharge 494 cubic feet per second on April 15, gage height 5.58 feet.
Minimum daily discharge 20 cubic feet per second on January 7.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	35	34E	46E	46	111	42	42	41	30	27	33	44
2	34	37E	48E	46	109	39	61	42	30	29	34	46
3	34	34E	107	44	98	36	46	46	32	32	35	48
4	34E	32E	158	43	82	34	44	66	134	31	35	46
5	30E	35E	187	42	73	56	53	65	102	31	35	44
6	25E	35E	178	42	64	47	51	60	92	32	36	40E
7	20E	30E	136	41	62	64	79	52	61	29	36	34E
8	25E	27E	106	41	58	83	101	45	46	28	33	32E
9	28E	26E	94	39	56	89	108	41	40	28	32	33E
10	30E	27E	89	39	52	74	77	41	36	28	31	31E
11	28E	30E	84	40	49	62	59	39	33	27	33	30E
12	33E	33E	82	85	46	51	51	38	32	26	33	31E
13	30E	36E	80	133	44	48	106	37	31	27	34	34E
14	27E	43E	79	368	57	43	150	36	30	27	31	35E
15	27E	41E	77	461	51	38	230	34	28	28	31	32E
16	29E	44E	78	331	48	36	245	31	26	35	33	34E
17	28E	45E	73	218	44	35	205	30	27	45	32	35E
18	30E	60E	73	157	40	49	187	28	27	54	30	32E
19	33E	55E	74	116	37	82	149	26	27	55	31	34E
20	42E	50E	75	88	36	126	104	24	27	55	36	35E
21	40E	47E	74	74	37	93	80	25	30	44	41	37E
22	45E	42E	72	68	39	61	71	25	30	35	37	39
23	50E	37E	69	63	38	60	61	25	30	32	36	41
24	45E	33E	61	58	38	55	60	24	30	30	36	44
25	40E	30E	58	57	35	65	62	29	30	31	36	55
26	36E	34E	56	59	35	49	54	30	29	31	36	67
27	34E	38E	55	52	35	44	51	29	29	33	41	73
28	35E	44E	55	57	34	41	51	31	31	35	42	70
29	28E	-----	52	68	35	40	44	31	30	32	41	62
30	30E	-----	49	85	35	38	42	36	28	32	39	53
31	32E	-----	49	-----	34	-----	41	29	-----	35	-----	45E
TOTAL	1,017	1,059	2,574	3,061	1,612	1,680	2,765	1,136	1,188	1,044	1,049	1,316
MEAN	32.8	37.8	83.0	102	52.0	56.0	89.2	36.6	39.6	33.7	35.0	42.5
MAX	50	60	187	461	111	126	245	66	134	55	42	73
MIN	20	26	46	39	34	34	41	24	26	26	30	30
AC-FT	2,020	2,100	5,110	6,070	3,200	3,330	5,480	2,250	2,360	2,070	2,080	2,610
YEAR 1994	TOTAL	19,501	MEAN	53.4	MAX	461	MIN	20	AC-FT	38,680		

PLATTE RIVER BASIN (ELKHORN RIVER)

ELKHORN RIVER at Neligh - 1994

LOCATION.--NE1/4SE1/4 Sec. 20-25-6 W., Antelope County

GAGE.--Continuous stage recorder

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

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1993.
E indicates estimated daily discharge.EXTREMES FOR PERIOD OF RECORD.--Peak discharge 14,100 cubic feet per second March 19, 1987, gage height 11.99 feet.
Maximum gage height 12.53 feet June 23, 1947.
Minimum daily discharge 12 cubic feet per second July 1, 1932.EXTREMES FOR CURRENT YEAR.--Peak discharge 2,920 cubic feet per second March 5, gage height 6.56 feet.
Minimum daily discharge 150 cubic feet per second estimated November 29 and December 9.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	400E	192E	300E	589	1,020	203	464	209	210	180	217	313
2	400E	170E	300E	613	1,250	228	619	199	234	181	218	332
3	260E	190E	400E	589	1,360	219	565	210	257	203	210	332
4	284E	200E	1,000E	557	1,320	215	589	337	907	207	204	335
5	320E	200E	1,580	544	1,290	246	617	357	1,010	210	211	250E
6	350E	205E	2,100	504	1,250	271	616	304	851	224	217	200E
7	240E	190E	2,360	496	1,090	267	674	276	741	224	227	180E
8	270E	180E	2,490	492	1,010	346	909	267	692	212	227	160E
9	325E	225E	2,190	488	931	396	958	255	661	204	214	150E
10	330E	200E	1,890	469	868	369	844	248	580	195	210	190E
11	330E	230E	1,620	461	770	331	718	246	476	181	210	210E
12	320E	270E	1,460	689	661	281	614	257	393	173	214	222E
13	330E	290E	1,360	897	592	246	935	296	359	167	220	210E
14	330E	295E	1,280	1,480	638	225	1,180	336	316	164	210	240E
15	330E	300E	1,200	2,460	559	193	1,180	349	297	167	200	250E
16	280E	300E	1,140	2,450	463	183	1,210	312	261	198	201	260E
17	250E	305E	1,100	1,760	409	183	1,280	266	236	263	207	270E
18	230E	500E	1,030	1,320	368	227	1,420	233	221	370	206	290E
19	240E	700E	968	986	330	570	1,250	214	213	356	202	300E
20	260E	600E	945	764	303	963	1,010	198	202	335	200E	310E
21	280E	450E	901	594	286	874	771	187	190	303	180E	320E
22	300E	470E	867	518	286	848	583	184	199	271	190E	335E
23	350E	350E	813	464	273	907	467	174	196	238	199	340E
24	400E	390E	741	432	268	1,170	403	162	197	222	202	350E
25	450E	300E	668	413	243	1,260	396	177	199	213	200	370E
26	430E	200E	635	442	230	1,170	374	193	196	208	200E	385E
27	350E	240E	608	419	218	1,020	325	187	191	212	180E	400E
28	300E	250E	582	500	208	835	298	185	187	218	160E	420E
29	250E	-----	566	609	213	656	268	178	184	212	150E	440E
30	215E	-----	562	752	205	530	244	195	183	210	250E	430E
31	200E	-----	572	-----	191	-----	224	201	-----	216	-----	400E
TOTAL	9,604	8,392	34,228	23,751	19,103	15,432	22,005	7,392	11,039	6,937	6,136	9,194
MEAN	310	300	1,104	792	616	514	710	238	368	224	205	297
MAX	450	700	2,490	2,460	1,360	1,260	1,420	357	1,010	370	250	440
MIN	200	170	300	413	191	183	224	162	183	164	150	150
AC-FT	19,050	16,650	67,890	47,110	37,890	30,610	43,650	14,660	21,900	13,760	12,170	18,240
YEAR 1994	TOTAL	173,213	MEAN	475	MAX	2,490	MIN	150	AC-FT	343,600		

PLATTE RIVER BASIN (ELKHORN RIVER)

179

WILLOW CREEK near Foster - 1994

LOCATION.--NW1/4NE1/4 Section 4-25-3 W., Pierce County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1975 - present

REMARKS.--Published by U. S. Geological Survey up to October 1, 1993
E indicates estimated daily discharge

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 574 cubic feet per second March 18, 1987, gage height 7.94 feet.
Maximum stage 8.28 feet February 24, 1983, backwater due to ice cover.
Minimum daily discharge 1.0 cubic feet per second November 4, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharge 220 cubic feet per second March 6, gage height 7.13 feet.
Minimum daily discharge 8.8 cubic feet per second June 15.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11 E	11 E	22E	20	51	12	11	12	18	12	13	14
2	10 E	11 E	21E	20	63	13	13	12	19	12	13	15
3	11 E	9.8E	35E	19	49	12	13	12	19	12	13	16
4	9.0E	10 E	60E	18	35	12	13	13	65	12	13	16
5	9.5E	11 E	120E	17	28	12	16	12	52	12	14	13 E
6	10 E	11 E	220E	17	25	12	39	13	51	12	14	12 E
7	9.5E	10 E	150E	16	24	12	26	13	47	12	14	10 E
8	10 E	11 E	68	16	23	11	21	13	37	12	14	9.4E
9	11 E	11 E	54	14	21	10	18	13	29	12	14	9.0E
10	11 E	12 E	46	14	20	10	17	14	25	12	13	9.2E
11	11 E	12 E	40	13	19	10	15	14	22	12	13	9.4E
12	11 E	12 E	37	46	17	9.9	16	14	20	12	13	10 E
13	13 E	12 E	36	82	17	10	41	14	19	12	13	9.5E
14	9.5E	12 E	35	115	19	10	54	14	18	12	12	9.0E
15	10 E	11 E	35	130	22	8.8	83	14	17	12	12	9.0E
16	11 E	12 E	34	100E	24	9.4	118	15	16	14	13	9.5E
17	11 E	12 E	33	50E	22	9.4	117	15	16	14	13	9.5E
18	12 E	40 E	32	45E	18	16	47	14	16	17	12	9.1E
19	12 E	115	32	40E	16	14	31	14	15	15	12	9.2E
20	10 E	141	32	35E	15	13	24	14	15	15E	12	9.0E
21	11 E	103	33	32E	14	11	20	15	15	15E	13	9.5E
22	11 E	83	31	30E	14	13	17	15	15	15E	13	10 E
23	13 E	20 E	29	28E	14	35	16	15	15	14E	13	13 E
24	18 E	22 E	27	24E	13	20	16	14	15	14E	13	11 E
25	15 E	21 E	27	22E	13	24	17	17	15	13E	13	11 E
26	12 E	11 E	25	21E	13	21	15	17	14	14	12	11 E
27	9.0E	20 E	24	20	12	16	14	17	13	14	13	10 E
28	9.5E	50 E	23	21	13	13	14	17	13	14	13	9.8E
29	9.8E	-----	23	25	12	12	13	17	13	14	15	9.6E
30	10 E	-----	22	34	12	12	12	18	13	13	16	9.4E
31	11 E	-----	21	-----	12	-----	12	18	-----	13	-----	9.0E
TOTAL	341.8	816.8	1,427	1,084	670	403.5	899	449	677	408	394	330.1
MEAN	11.0	29.2	46.0	36.1	21.6	13.5	29.0	14.5	22.6	13.2	13.1	10.6
MAX	18	141	220	130	63	35	118	18	65	17	16	16
MIN	9.0	9.8	21	13	12	8.8	11	12	13	12	12	9.0
AC-FT	678	1,620	2,830	2,150	1,330	800	1,780	891	1,340	809	781	655
YEAR 1994	TOTAL	7,900.2	MEAN	21.6	MAX	220	MIN	8.8	AC-FT	15,670		

PLATTE RIVER BASIN (ELKHORN RIVER)

WILLOW CREEK RESERVOIR from Willow Creek - 1994

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1983 - present

REMARKS.--E indicates estimated daily storage.

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7,100	6,990	7,190	7,290	7,350	6,970	7,120E	7,100	6,740	7,040	7,030	7,040
2	7,090	6,980	7,210	7,260	7,430	6,960	7,130E	7,080	6,740	7,030	7,020	7,040
3	7,080	7,000	7,250	7,250	7,480	6,950	7,110E	7,050	6,750	7,040	7,000	7,040
4	7,060	7,000	7,390	7,230	7,500	6,920	7,080E	7,030	6,980	7,040	7,000	7,040
5	7,060	7,010	7,580	7,190	7,460	6,950	7,100E	7,010	7,110	7,040	7,020	7,020
6	7,060E	7,000	7,950	7,210	7,420	6,950	7,400E	7,000	7,170	7,080	7,020	7,010
7	7,060E	6,960	8,230	7,200	7,410	6,940	7,330E	6,990	7,200	7,070	7,030	7,040
8	7,050E	6,960	8,220	7,200	7,400	6,910	7,200E	6,970	7,230	7,050	7,010	7,040
9	7,040E	6,970	8,070	7,190	7,370	6,930	7,180E	6,960	7,230	7,050	7,010	7,050
10	7,030E	6,980	7,940	7,180	7,340	6,920	7,160E	6,960	7,200	7,040	7,010	7,050
11	7,030	6,980	7,830	7,150	7,300	6,910	7,140E	6,950	7,180	7,020	7,000	7,030
12	7,030	7,000	7,740	7,210	7,260	6,910	7,130E	6,950	7,160	7,010	7,010	7,040
13	7,030	7,000	7,680	7,420	7,230	6,920	7,580	6,960	7,140	7,010	7,030	7,040
14	7,020	7,010	7,630	7,590	7,210	6,900	7,750	6,950	7,120	7,010	7,020	7,040
15	7,010	7,010	7,570	7,760	7,210	6,880	7,760	6,940	7,090	7,010	7,000	7,060
16	6,990	7,010	7,520	7,900	7,200	6,860	7,850	6,920	7,050	7,020	7,010	7,070
17	6,980	7,020	7,500	7,880	7,190	6,840	7,940	6,910	7,030	7,050	7,020	7,070
18	6,990	7,110	7,480	7,780	7,170	6,920E	7,920	6,900	7,010	7,090	7,000	7,070
19	6,980	7,350	7,470	7,670	7,160	7,200E	7,810	6,870	7,010	7,090	6,970	7,080
20	6,980	7,420	7,420	7,580	7,150	7,160E	7,690	6,840	7,000	7,100	6,980	7,080
21	6,990	7,480	7,430	7,500	7,140	7,150E	7,590	6,830	7,000	7,110	7,010	7,090
22	6,990	7,500	7,420	7,450	7,120	7,180E	7,500	6,810	7,010	7,100	7,000	7,100
23	7,000	7,470	7,400	7,400	7,100	7,340E	7,430	6,800	7,040	7,080	7,010	7,110
24	7,010	7,400	7,350	7,370	7,100	7,310E	7,370	6,780	7,060	7,060	7,010	7,120
25	7,000	7,340	7,340	7,330	7,080	7,290E	7,320	6,790	7,080	7,050	7,010	7,130
26	7,000	7,300	7,350	7,310	7,060	7,270E	7,270	6,790	7,070	7,050	7,010	7,140
27	7,020	7,260	7,320	7,230	7,040	7,230E	7,220	6,790	7,060	7,060	7,030	7,160
28	7,040	7,220	7,310	7,240	7,030	7,200E	7,180	6,770	7,060	7,060	7,040	7,160
29	7,020	-----	7,300	7,280	7,020	7,170E	7,150	6,750	7,060	7,050	7,010	7,160
30	6,990	-----	7,300	7,290	7,000	7,140E	7,120	6,750	7,060	7,030	7,010	7,180
31	6,990	-----	7,300	-----	6,980	-----	7,100	6,730	-----	7,040	-----	7,190
MAX	7,100	7,500	8,230	7,900	7,500	7,340	7,940	7,100	7,230	7,110	7,040	7,190
MIN	6,980	6,960	7,190	7,150	6,980	6,840	7,080	6,730	6,740	7,010	6,970	7,010
CHANGE	-122	236	73	-6.7	-305	156	-43	-362	327	-23	-25	180
YEAR 1994			MEAN	7,152	MAX	8,230	MIN	6,730				

PLATTE RIVER BASIN (ELKHORN RIVER)

181

WILLOW CREEK near Pierce - 1994

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1983 - present

REMARKS.--E indicates estimated daily discharge.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 182 cubic feet per second on March 7, gage height 5.07 ft.
Minimum daily discharge 8.1 cubic feet per second August 20.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	21	14	26	34	45	9.4	50E	19	10	19	20	21
2	21	14	26	33	52	9.4	55E	18	11	19	20	22
3	20	13	30	33	58	9.5	50E	17	11	20	19	22
4	19	13	51	32	59	9.8	45E	16	17	20	19	22
5	18	13	77	30	55	11	50E	14	25	20	19	21
6	18	13	130	30	51	11	70E	13	28	22	18	21
7	17	12	176	29	49	11	65E	13	30	22	17	22
8	17	12	168	29	46	11	60E	12	32	20	18	22
9	16	11	144	28	43	11	55E	12	32	19	18	22
10	16	11	124	27	41	11	50E	12	30	19	18	22
11	16	11	108	27	37	11	40E	12	28	19	18	21
12	16	11	95	34	34	10	38E	12	25	18	18	21
13	16	11E	87	51	31	11	72	12	24	17	19	21
14	15	12E	80	71	31	12	92	12	23	18	18	22
15	14	12E	75	96	31	9.7	93	11	22	18	18	23
16	14	13E	71	113	30	9.2	107	11	20	20	20	23
17	14	14E	68	106	29	9.1	116	9.9	18E	21	19	23
18	13	23	66	92	27	10	114	9.3	16E	23	18	23
19	13	53	64	78	25	45 E	97	8.4	14E	23	17	23
20	13	62	62	67	22	65 E	82	8.1	13E	23	18	24
21	13	68	61	58	20	55 E	68	8.4	12E	23	19	24
22	13	70	61	53	19	50 E	56	8.5	13E	24	19	24
23	13	66	61	48	19	65 E	48	8.5	30E	23	19	25
24	13	60	58	43	17	90 E	43	8.3	28E	22	19	26
25	13	54	55	41	15	85 E	40	9.2	25E	22	19	26
26	13	45	55	42	14	80 E	35	9.6	22E	21	19	27
27	16	38	54	35	13	75 E	30	9.7	20E	21	22	28
28	16	32	53	36	12	70 E	27	10	19E	21	22	30
29	15	-----	50	38	11	65 E	24	10	19	21	20	31
30	14	-----	49	39	11	60 E	21	11	19	20	20	32
31	14	-----	41	-----	9.5	-----	20	11	-----	21	-----	33
TOTAL	480	781	2,326	1,473	956.5	991.1	1,813	355.9	636	639	567	747
MEAN	15.5	27.9	75.0	49.1	30.9	33.0	58.5	11.5	21.2	20.6	18.9	24.1
MAX	21	70	176	113	59	90	116	19	32	24	22	33
MIN	13	11	26	27	9.5	9.1	20	8.1	10	17	17	21
AC-FT	952	1,550	4,610	2,920	1,900	1,970	3,600	706	1,260	1,270	1,120	1,480
YEAR 1994	TOTAL	11,765.5	MEAN	32.2	MAX	176	MIN	8.1	AC-FT	23,340		

PLATTE RIVER BASIN (ELKHORN RIVER)

UNION CREEK at Madison - 1994

LOCATION.--SW1/4SE1/4 Sec. 32-22-1 W., Madison County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1978 - present

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

E indicates estimated daily discharges.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,290 cubic feet per second July 6 at gage height 19.94 feet.
Minimum daily discharge 16 cubic feet per second September 15 - 17.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	26E	25	22	28	34	28	128	25	18	19	24	27
2	26E	26	26	28	31	29	902	23	18	20	24	27
3	25E	25	293	28	30	27	396	134	17	21	24	28
4	25E	24	919	29	30	26	65	188	28	21	24	28
5	25E	24	741	27	29	45	451	51	23	21	24	26
6	24E	24	266	28	29	31	1,610	33	20	22	25	26
7	24E	23	63	28	31	28	642	28	19	21	25	25
8	24E	23	37	28	30	25	169	26	18	21	24	26
9	23E	25	31	28	30	24	53	26	18	21	25	26
10	23E	24	30	29	28	24	42	27	18	21	25	26
11	23	23	29	30	28	24	38	26	18	21	25	26
12	24	23	29	53	27	26	48	26	17	21	25	26
13	24	23	30	52	27	27	672	25	18	21	25	26
14	23	24	31	37	28	24	211	24	17	21	25	27
15	22	25	30	33	27	22	53	23	16	24	24	26
16	22	38	29	30	27	21	282	23	16	27	23	27
17	22	135	29	29	25	21	174	22	16	29	23	28
18	22	819	30	29	25	361	50	22	17	35	23	28
19	21	859	31	28	24	176	40	22	17	32	23	28
20	22	85	30	29	24	39	41	20	17	25	26	29
21	22	37	30	28	24	106	134	20	17	24	36	29
22	22	34	30	27	25	164	64	20	25	23	34	29
23	23	28	30	28	25	410	36	19	36	24	27	29
24	25	27	29	29	24	203	35	18	30	24	25	29
25	25	21	28	29	23	36	66	19	24	23	26	30
26	25	20	28	29	22	26	38	18	22	23	26	31
27	24	20	28	27	23	24	31	17	21	23	32	33
28	22	21	29	33	22	21	28	17	20	24	33	33
29	22	-----	30	36	44	20	26	17	19	24	29	32
30	23	-----	28	38	24	20	26	19	19	24	27	30
31	24	-----	28	-----	24	-----	26	18	-----	24	-----	28
TOTAL	727	2,505	3,044	935	844	2,058	6,577	996	599	724	781	869
MEAN	23.5	89.5	98.2	31.2	27.2	68.6	212	32.1	20.0	23.4	26.0	28.0
MAX	26	859	919	53	44	410	1,610	188	36	35	36	33
MIN	21	20	22	27	22	20	26	17	16	19	23	25
AC-FT	1,440	4,970	6,040	1,850	1,670	4,080	13,050	1,980	1,190	1,440	1,550	1,720
YEAR 1994	TOTAL	20,659	MEAN	56.6	MAX	1,610	MIN	16	AC-FT	40,980		

PLATTE RIVER BASIN (ELKHORN RIVER)

183

BUTTERFLY CREEK near Stanton - 1994

LOCATION.--SW1/4NE1/4 Sec. 21-22-2 E.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1990 - present

REMARKS.--Station established Oct. 1, 1990

E indicates estimated daily discharge

EXTREMES FOR CURRENT YEAR.--Peak discharge 688 cubic feet per second July 13, gage height 13.07 feet.
Minimum daily discharge 1.8 cubic feet per second May 22.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.4E	2.3E	3.8	3.9	6.0E	22	15 E	3.0E	3.5E	4.2	4.2	5.4
2	3.5E	2.3E	11	4.0	5.4E	22	200 E	3.5E	3.6E	5.0	4.3	5.6
3	2.3E	2.4E	87	4.1	4.9E	20	100 E	50 E	3.3E	5.1	4.3	5.2
4	2.4E	2.5E	25	4.4	4.4E	18	50 E	20 E	8.0E	4.7	4.6	5.0
5	2.4E	2.6E	9.1	4.2	4.3	45	17 E	15 E	50 E	5.1	4.7	4.8
6	2.4E	2.5E	4.1	4.3	4.8	17	300 E	10 E	30 E	4.9E	4.6	5.1
7	2.3E	2.4E	3.1	4.3	4.1	13	100 E	5.5E	20 E	4.8	4.3	5.9
8	2.4E	2.5E	2.9	8.9	4.0	12	80 E	4.8E	15 E	4.4	4.1	5.0
9	2.3E	2.6E	2.9	6.6	3.8E	11	25 E	4.3E	11 E	4.3	4.8	5.0
10	2.3E	2.6E	2.8	3.8	4.1	8.4	20 E	4.4E	7.0E	4.2	4.7	4.7
11	2.2E	2.6E	3.1	3.4	4.1	8.5	14 E	4.3E	5.0E	4.1	4.8	5.1
12	2.1E	2.5E	4.0	3.2	3.8	6.4	16 E	4.1E	4.5E	4.2	5.0	5.0
13	2.0E	2.4E	3.8	4.0	4.6	4.7	100 E	4.0E	4.3E	4.4	4.6	4.7
14	2.3E	2.0E	3.4	5.1	8.4	3.1	80 E	4.3E	4.2E	4.3	4.4	4.3
15	2.5E	3.4	3.2	4.8	5.2	2.0E	60 E	4.1E	4.0E	4.7	4.5	4.2
16	3.2	34	3.1	4.5	4.1	2.8E	41	4.4E	3.8E	6.0	4.4	4.2
17	3.4	62	3.4	4.3	3.7	3.5E	12	4.1E	3.5E	6.3	4.6	4.1
18	3.8	125	3.4	4.1	3.5	3.0E	8.9	4.1E	3.2E	6.5	5.1	4.2
19	3.0	23	3.4	4.1	3.0E	2.4E	7.3	4.1E	3.3E	5.7	4.6	4.0
20	3.2	7.3	3.5	4.0	2.5E	5.0E	6.5	3.8E	3.5E	5.0	5.4	4.0E
21	3.5E	3.5E	3.3	4.0	2.0E	12 E	6.3	3.6E	3.8E	4.8	9.1	4.0
22	3.0E	3.0E	3.6	3.9	1.8	20 E	5.7	3.8E	6.5	4.4	5.7	4.1
23	2.7E	2.7E	3.8	3.9	3.2	30 E	5.4	3.5E	6.6	4.3	5.4	4.2
24	2.3E	2.4E	3.4	3.9E	3.4	25 E	14	3.3E	5.9	4.5	5.3	4.1
25	2.2E	2.3E	3.4	4.2E	7.1	20 E	5.3	4.0E	5.3	4.5	5.1	4.1
26	3.0E	2.6E	3.8	4.0E	7.6	15 E	5.0	3.0E	4.8	4.5	5.1	4.5
27	3.0E	2.3E	3.7	3.9E	7.1	14 E	4.5	3.4E	4.6	4.5	8.0	5.1
28	2.7E	2.5E	3.7	3.7E	5.7	13 E	5.0E	3.3E	4.4	4.3	6.3	4.9
29	2.5E	-----	3.7	3.6E	7.9	11 E	4.5E	3.5E	4.3	4.0	5.5	4.4
30	2.4E	-----	3.7	6.4E	3.6	9.0E	4.0E	3.8E	4.2	4.3	5.2	4.2
31	2.4E	-----	3.9	-----	3.9	-----	3.8E	4.0E	-----	4.3	-----	4.6
TOTAL	82.1	310.2	226.0	131.5	142.0	398.8	1,316.2	201.0	241.1	146.3	152.7	143.7
MEAN	2.65	11.1	7.29	4.38	4.58	13.3	42.5	6.48	8.04	4.72	5.09	4.64
MAX	3.8	125	87	8.9	8.4	45	300	50	50	6.5	9.1	5.9
MIN	2.0	2.0	2.8	3.2	1.8	2.0	3.8	3.0	3.2	4.0	4.1	4.0
AC-FT	163	615	448	261	282	791	2,610	399	478	290	303	285
YEAR 1994	TOTAL	3,491.6	MEAN	9.57	MAX	300	MIN	1.8	AC-FT	6,930		

PLATTE RIVER BASIN (ELKHORN RIVER)

PEBBLE CREEK at Scribner - 1994

LOCATION.--NW1/4SE1/4 Sec. 36-20-6E., Dodge County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1978 - present

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1993.
E indicates estimated daily discharge.

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 2,180 cubic feet per second July 13, gage height 12.72 feet.
Minimum daily discharge 16 cubic feet per second September 16 - 18.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	32E	28E	50E	36	37	23	27	27	20	24	28	34
2	29E	28E	109	35	34	25	288	26	19	24	24	34
3	27E	27E	387	35	34	25	55	30	19	35	23	33
4	28E	26E	879	35	33	23	123	161	267	28	23E	32
5	31E	27E	311	35	32	27	108	38	97	27	22E	26E
6	33E	28E	143	33	31	27	438	33	39	31	23E	20E
7	30E	24E	67	35	33	20	250	32	27	28	24	18E
8	25E	30E	50	33	33	19	131	41	26	26	23	21E
9	27E	28E	48	32	32	19	59	36	25	23	24	30E
10	30E	27E	47	32	30	20	49	35	23	23	24	33E
11	28E	26E	45	32	29	19	40	37	21	23	24	34E
12	30E	24E	46	58	28	18	393	36	22	23	24	35E
13	27E	23E	43	54	28	19	1,760	34	22	23	25	40E
14	25E	22E	43	43	30	19	680	32	18	22	25	45E
15	23E	31E	41	40	30	17	105	31	17	22	24	50E
16	24E	35E	40	35	27	17	342	29	16	26	24	52E
17	23E	90E	40	34	26	18	135	30	16	34	25	50E
18	24E	110E	41	33	25	18	65	29	16	50	26	69E
19	25E	100E	41	30	25	18	52	28	17	35	26	52E
20	26E	35E	41	30	25	19	45	24	16	27	28	50E
21	30E	30E	39	33	27	91	41	23	17	27	69	49E
22	35E	34E	39	33	30	30	39	21	33	26	52	45E
23	40E	50E	40	31	28	76	37	20	275	25	33	42E
24	45E	40E	37	31	23	37	40	20	63	24	30	41E
25	50E	45E	36	30	23	36	79	20	43	25	30	40E
26	45E	40E	38	30	22	31	40	23	36	25	28	40E
27	40E	38E	37	30	23	32	36	22	30	27	58	39E
28	35E	35E	35	35	23	29	32	20	27	26	77	37E
29	30E	-----	36	64	22	30	31	20	25	24	36	35
30	28E	-----	35	40	23	27	30	21	24	24	34	33
31	27E	-----	36	-----	23	-----	29	21	-----	29	-----	28
TOTAL	952	1,081	2,920	1,087	869	829	5,579	1,000	1,316	836	936	1,187
MEAN	30.7	38.6	94.2	36.2	28.0	27.6	180	32.3	43.9	27.0	31.2	38.3
MAX	50	110	879	64	37	91	1,760	161	275	50	77	69
MIN	23	22	35	30	22	17	27	20	16	22	22	18
AC-FT	1,890	2,140	5,790	2,160	1,720	1,640	11,070	1,980	2,610	1,660	1,860	2,350
YEAR 1994	TOTAL	18,592	MEAN	50.9	MAX	1,760	MIN	16	AC-FT	36,880		

PLATTE RIVER BASIN (ELKHORN RIVER)

185

LOGAN CREEK at Pender - 1994

LOCATION.--NW1/4 Section 26-25-6 E., Thurston County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1965 - present

REMARKS.--Published by U. S. Geological Survey up to October 1, 1993
E indicates estimated daily discharge.

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 10,500 cubic feet per second February 19, gage height 17.79 feet.
Minimum daily discharge 35 cubic feet per second estimated January 30 and December 10.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	82E	100E	250E	194	310	136	163	230	164	154	150E	160E
2	83E	110E	350E	192	288	147	183	191	155	151	145E	150E
3	82E	130E	993	189	249	149	187	431	154	164	143E	100E
4	81E	145E	2,970	187	233	142	171	293	366	181	148E	90E
5	82E	160E	1,180	189	221	219	287	172	1,240	176E	155E	80E
6	82E	170E	575	186	213	233	2,760	154	328	170E	150E	70E
7	85E	180E	370	195	214	174	633	147	219	165E	153E	60E
8	90E	150E	262	194	221	160	499	144	194	163E	157E	50E
9	100E	200E	230	187	214	154	302	137	182	160E	160E	40E
10	110E	300E	223	182	200	149	243	135	170	152E	155E	35E
11	130E	350E	214	181	191	142	220	136	160	160E	149E	40E
12	90E	370E	207	207	183	183	244	137	152	165E	147E	36E
13	70E	360E	206	331	177	381	1,670	146	147	160E	148E	40E
14	50E	400E	201	317	186	191	1,250	145	140	157E	147E	50E
15	40E	441E	201	284	186	159	415	136	137	165E	148E	70E
16	45E	512E	194	233	180	148	711	131	134	170E	146E	65E
17	50E	849E	191	213	170	146	675	130	129	173	148E	80E
18	65E	2,720	190	205	163	287	330	125	125	164	143E	90E
19	100E	6,480	189	197	160	399	275	125	121	156	143	100E
20	105E	1,240	187	191	156	213	235	120	121	155	144	120E
21	110E	443	187	193	155	176	216	114	120	155	195	125E
22	150E	270E	182	192	155	171	202	114	120	155	184	135E
23	120E	232E	182	190	156	1,060	192	114	122	154	163	145E
24	100E	200E	176	192	153	678	182	114	303	153	159	155E
25	80E	150E	168	194	147	273	174	130	275E	153	150E	250E
26	70E	190E	169	206	144	220	169	260	225E	180	120E	180E
27	60E	270E	173	211	139	201	160	218	180E	175	100E	170E
28	50E	260E	174	206	139	185	153	165	170E	162	110E	165E
29	40E	-----	173	284	158	172	146	148	160E	159	140E	165E
30	35E	-----	173	295	152	165	139	148	156	156	180E	160E
31	90E	-----	172	-----	141	-----	137	200	-----	152	-----	155E
TOTAL	2,527	17,382	11,312	6,417	5,754	7,213	13,323	5,090	6,369	5,015	4,480	3,331
MEAN	81.5	621	365	214	186	240	430	164	212	162	149	107
MAX	150	6,480	2,970	331	310	1,060	2,760	431	1,240	181	195	250
MIN	35	100	168	181	139	136	137	114	120	151	100	35
AC-FT	5,010	34,480	22,440	12,730	11,410	14,310	26,430	10,100	12,630	9,950	8,890	6,610
YEAR 1994	TOTAL	88,213	MEAN	242	MAX	6,480	MIN	35	AC-FT	175,000		

PLATTE RIVER BASIN (SALT CREEK)

OAK CREEK at Lincoln - 1994

LOCATION.--NE1/4NE1/4 Sec. 7-10-6 E., Lancaster County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1987 - present

REMARKS.--E indicates estimated daily discharge.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 8,730 cubic feet per second July 24, 1993, gage height 22.66 feet.
Minimum daily discharge, 2.8 cubic feet per second on August 2, 1989.

EXTREMES FOR CURRENT YEAR.--Peak discharge 3,590 cubic feet per second June 23, gage height 13.55 feet.
Minimum daily discharge 15 cubic feet per second September 29, October 11-13.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	43E	40E	73	61	52	42	159	185	23	16	21	36
2	45E	43E	68	50	47	72	157	259	23	17	21	35
3	48E	44E	335	55	44	42	138	148	23	18	21	33
4	37E	44E	614	51	42	29	236	97	61	21	23	33
5	24E	48E	396	56	42	203	251	76	58	20	22	31
6	22E	56E	240	54	52	159	202	68	33	20	21	36E
7	24E	50E	168	44	52	67	209	63	29	23	20	46E
8	33E	44E	146	37	49	55	142	74	28	21	20	60E
9	33E	38E	131	35	45	49	128	82	27	18	19	64E
10	30E	40E	120	33	41	46	122	50	26	17	21	70E
11	34E	40E	109	40	39	44	116	41	25	15	19	50E
12	35E	44E	103	71	37	39	109	38	24	15	19	38E
13	33E	48E	98	74	47	36	109	36	23	15	19	28E
14	43E	58E	92	62	85	35	119	33	21	17	20	27E
15	34E	63E	89	60	58	32	90	32	20	18	17	28E
16	32E	74	84	56	51	28	528	31	19	20	18	28E
17	33E	101	81	50	49	26	311	28	18	25	18	27E
18	33E	121	78	43	44	24	186	26	16	28	19	28E
19	35E	132	75	40	42	22	159	27	16	27	20	32E
20	40E	93	71	38	37	88	139	26	16	24	21	33E
21	48E	73	70	38	34	48	110	24	17	22	78	33E
22	55	68E	66	37	31	176	98	23	22	21	75	34E
23	58	62E	63	37	44	2,560	86	23	28	21	34	38E
24	59	68E	61	37	41	858	76	22	28	21	29	42
25	56	90E	55	37	35	564	69	25	22	21	27	39
26	52	135E	54	35	34	394	71	31	22	20	27	33
27	53	94	56	38	31	308	63	30	18	19	44	34
28	54E	80	56	44	29	251	51	27	16	22	100	34
29	50E	-----	61	56	31	205	43	26	15	23	56	32E
30	38E	-----	65	55	28	176	37	26	16	21	40	31E
31	38E	-----	58	-----	25	-----	34	25	-----	20	-----	27E
TOTAL	1,252	1,891	3,836	1,424	1,318	6,678	4,348	1,702	733	626	909	1,140
MEAN	40.4	67.5	124	47.5	42.5	223	140	54.9	24.4	20.2	30.3	36.8
MAX	59	135	614	74	85	2,560	528	259	61	28	100	70
MIN	22	38	54	33	25	22	34	22	15	15	17	27
AC-FT	2,480	3,750	7,610	2,820	2,610	13,250	8,620	3,380	1,450	1,240	1,800	2,260
YEAR 1994	TOTAL	25,857	MEAN	70.8	MAX	2,560	MIN	15	AC-FT	51,290		

REPUBLICAN RIVER BASIN

187

HAIGLER CANAL from Republican River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	17	18	20	24	22	23		
2				0	6.9	22	25	24	18	24		
3				0	6.7	21	29	26	14	24		
4				0	6.7	24	32	26	12	22		
5				0	7.5	28	28	26	12	18		
6				0	15	21	32	25	12	19		
7				0	18	17	33	26	13	17		
8				0	17	29	28	26	13	15		
9				0	27	26	26	25	16	16		
10				0	32	24	23	24	18	16		
11				0	31	20	22	23	18	16		
12				0	30	24	26	23	18	18		
13				0	26	20	20	20	18	22		
14				0	24	15	13	17	19	19		
15				0	29	15	9.9	17	20	15		
16				0	30	16	9.6	17	19	15		
17				0	30	20	9.6	18	17	15		
18				0	29	21	13	18	17	15		
19				0	30	22	19	19	17	8.6		
20				0	27	24	22	20	18	0		
21				0	30	33	22	19	16	0		
22				0	32	31	15	20	15	0		
23				0	32	24	20	20	14	0		
24				0	30	12	24	20	13	0		
25				0	30	10	23	20	12	0		
26				9.3	30	14	22	21	17	0		
27				19	27	18	21	21	18	0		
28				18	19	17	22	20	18	0		
29		-----		19	18	18	22	21	21	0		
30		-----		19	19	19	22	21	24	0		
31		-----		-----	19	-----	22	20	-----	0	-----	
TOTAL				84.3	725.8	623	675.1	667	499	337.6		
MEAN				2.81	23.4	20.8	21.8	21.5	16.6	10.9		
MAX				19	32	33	33	26	24	24		
MIN				0	6.7	10	9.6	17	12	0		
AC-FT				167	1,440	1,240	1,340	1,320	990	670		
YEAR 1994	MAX	33	MIN	0	AC-FT	7,160						

REPUBLICAN RIVER BASIN

HAIGLER CANAL from Republican River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	18	20	8.7	15	19	14		
2				0	7.8	19	10	14	18	22		
3				0	6.6	19	12	13	13	23		
4				0	6.4	19	13	15	10	24		
5				0	5.7	21	12	12	9.7	17		
6				0	9.4	20	12	12	9.7	18		
7				0	11	10	12	15	10	16		
8				0	10	23	11	16	11	12		
9				0	12	23	10	15	11	11		
10				0	15	22	9.7	15	12	11		
11				0	16	14	10	12	13	11		
12				0	16	17	21	9.5	13	12		
13				0	15	15	18	10	11	15		
14				0	15	6.8	15	7.2	11	26		
15				0	17	7.5	10	9.3	11	19		
16				0	17	5.0	11	10	14	15		
17				0	19	7.5	11	11	14	15		
18				0	20	11	13	12	15	15		
19				0	20	12	16	13	13	11		
20				0	16	13	18	15	12	0		
21				0	14	14	21	9.5	11	0		
22				0	19	11	15	8.5	11	0		
23				0	20	11	14	10	11	0		
24				0	21	10	15	13	11	0		
25				0	23	8.7	15	14	11	0		
26				7.6	22	11	14	16	9.3	0		
27				17	22	12	13	19	9.7	0		
28				17	17	9.1	15	19	9.5	0		
29		-----		18	18	8.1	15	19	11	0		
30		-----		18	19	10	14	19	14	0		
31		-----		-----	19	-----	15	18	-----	0	-----	
TOTAL				77.6	486.9	409.7	419.4	416.0	358.9	307		
MEAN				2.59	15.7	13.7	13.5	13.4	12.0	9.90		
MAX				18	23	23	21	19	19	26		
MIN				0	5.7	5.0	8.7	7.2	9.3	0		
AC-FT				154	966	813	832	825	712	609		
YEAR 1994	MAX	26	MIN	0	AC-FT	4,910						

REPUBLICAN RIVER BASIN

189

HAIGLER CANAL SPILLBACK to Arikaree River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	12	0	1.8	2.6	0	4.5		
2				0	8.6	0	.97	2.0	2.7	6.6		
3				0	4.4	.13	.46	1.3	5.8	7.9		
4				0	3.6	0	2.3	.98	3.5	9.1		
5				0	2.5	.10	0	0	1.8	9.9		
6				0	1.2	.13	.26	0	3.0	8.7		
7				0	1.4	0	.54	0	3.5	8.9		
8				0	1.2	2.8	.06	0	2.2	8.9		
9				0	1.6	4.2	1.7	0	1.9	8.4		
10				0	4.3	8.9	.22	0	3.6	3.7		
11				0	2.8	8.8	1.3	0	3.5	1.3		
12				0	1.7	8.8	6.6	0	3.4	1.5		
13				0	1.3	10	12	0	3.1	1.3		
14				0	1.3	1.9	16	0	4.0	1.6		
15				0	2.6	0	7.7	0	3.3	2.3		
16				0	1.5	0	6.0	0	3.7	2.6		
17				0	1.3	0	5.2	0	3.4	1.3		
18				0	1.3	.46	6.5	0	4.4	.92		
19				0	1.2	0	9.1	0	4.0	2.7		
20				0	1.1	.14	7.5	0	3.0	1.2		
21				0	.61	1.8	9.4	0	3.2	1.2		
22				0	1.9	6.2	3.8	0	3.1	0		
23				0	4.2	9.7	1.7	0	4.2	0		
24				7.0	5.7	4.9	2.5	0	5.5	0		
25				11	7.0	5.0	3.9	0	4.9	0		
26				12	6.1	2.5	8.0	0	2.7	0		
27				11	5.1	5.2	9.3	0	1.2	0		
28				11	3.7	2.3	9.7	0	2.0	0		
29		-----		11	.82	.92	8.7	0	1.1	0		
30		-----		12	0	3.1	8.3	0	2.9	0		
31		-----		-----	0	-----	4.5	0	-----	0	-----	
TOTAL				75.0	92.03	87.98	156.01	6.88	94.6	94.52		
MEAN				2.50	2.97	2.93	5.03	.22	3.15	3.05		
MAX				12	12	10	16	2.6	5.8	9.9		
MIN				0	0	0	0	0	0	0		
AC-FT				149	183	175	309	14	188	187		
YEAR 1994	MAX	16	MIN	0	AC-FT	1,200						

REPUBLICAN RIVER BASIN

MEEKER-DRIFTWOOD CANAL from Republican River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	77	312	190	138			
2					0	87	312	214	43			
3					0	92	310	229	0			
4					0	92	292	229	0			
5					0	92	270	204	0			
6					0	92	256	188	0			
7					0	92	241	188	0			
8					0	92	198	176	0			
9					0	92	178	171	0			
10					0	92	177	174	0			
11					0	93	190	169	0			
12					0	92	224	159	0			
13					0	92	237	156	0			
14					0	92	197	156	0			
15					0	101	127	183	0			
16					0	119	102	217	0			
17					0	163	102	227	0			
18					0	183	102	235	0			
19					20	183	108	236	0			
20					23	210	145	234	0			
21					23	222	198	233	0			
22					23	214	252	224	0			
23					65	211	269	194	0			
24					50	221	269	161	0			
25					62	226	262	153	0			
26					77	226	258	137	0			
27					77	252	258	129	0			
28					77	296	231	129	0			
29		-----			77	313	195	162	0			
30		-----			77	312	184	178	0			
31		-----		-----	77	-----	184	170	-----		-----	
TOTAL					728	4,721	6,640	5,805	181			
MEAN					23.5	157	214	187	6.03			
MAX					77	313	312	236	138			
MIN					0	77	102	129	0			
AC-FT					1,440	9,360	13,170	11,510	359			
YEAR 1994	MAX	313	MIN	0	AC-FT	35,850						

REPUBLICAN RIVER BASIN

191

SWANSON LAKE near Trenton - 1994

LOCATION.--SE1/4NE1/4 Sec. 5-2-33 W., Hitchcock County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--May 1953 - present

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

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

EXTREMES FOR CURRENT YEAR.--Maximum contents 133,300 acre-feet May 2-8, elevation 2,756.04 ft.
Minimum contents 77,860 acre-feet October 1-3, elevation 2744.30 ft.

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

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

DAILY CONTENTS IN ACRE-FEET FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										77,860	78,500	80,920
2										77,860	78,540	81,030
3										77,860	78,540	81,110
4										78,260	78,670	81,180
5										78,260	78,750	81,260
6										78,580	78,790	81,490
7										78,460	78,870	81,520
8										78,420	78,950	81,640
9										78,380	79,030	81,670
10										78,260	79,110	81,710
11										78,220	79,190	81,830
12										78,180	79,360	81,860
13										78,180	79,360	81,940
14										78,140	79,400	82,070
15										78,100	79,440	82,210
16										78,140	79,560	82,390
17										78,300	79,720	82,480
18										78,300	79,640	82,660
19										78,300	79,640	83,060
20										78,300	80,020	83,060
21										78,340	80,050	83,200
22										78,380	80,240	83,420
23										78,380	80,320	83,600
24										78,340	80,350	83,780
25										78,340	80,390	84,010
26										78,340	80,500	84,190
27										78,380	80,810	84,420
28										78,420	80,770	84,550
29		-----								78,420	80,810	84,690
30		-----								78,420	80,840	84,820
31		-----		-----		-----			-----	78,460	-----	84,950
MAX										78,580	80,840	84,950
MIN										77,860	78,500	80,920
CHANGE										570	2,380	4,110
YEAR 1994			MAX	84,950	MIN	77,860						

REPUBLICAN RIVER BASIN

REPUBLICAN RIVER at Trenton - 1994

LOCATION.--SE1/4 Sec. 4-2-33 W., Hitchcock County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1946 - present, see U.S.G.S. publication WSP 1310 for periods of monthly discharge record.

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

E indicates estimated daily discharge due to backwater from beaver dam.

EXTREMES FOR CURRENT YEAR.--Peak discharge 175 cubic feet per second June 22, gage height 4.48 feet.
Minimum daily discharge 1.0 cubic feet per second estimated for many days.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.0E	1.0E	1.0E	1.0E	1.0E	1.0E	157	106	42	1.0E	1.0E	1.0E
2	1.0E	1.0E	1.0E	1.0E	58	1.0E	149	105	1.0E	1.0E	1.0E	1.0E
3	1.0E	1.0E	1.0E	1.0E	95	1.0E	149	105	1.0E	1.0E	1.0E	1.0E
4	1.0E	1.0E	1.0E	1.0E	93	1.0E	134	92	1.0E	1.0E	1.0E	1.0E
5	1.0E	1.0E	1.0E	1.0E	93	1.0E	124	85	1.0E	1.0E	1.0E	1.0E
6	1.0E	1.0E	1.0E	1.0E	90	1.0E	125	86	1.0E	1.0E	1.0E	1.0E
7	1.0E	1.0E	1.0E	1.0E	91	1.0E	117	86	1.0E	1.0E	1.0E	1.0E
8	1.0E	1.0E	1.0E	1.0E	92	1.0E	109	86	1.0E	1.0E	1.0E	1.0E
9	1.0E	1.0E	1.0E	1.0E	94	1.0E	109	86	1.0E	1.0E	1.0E	1.0E
10	1.0E	1.0E	1.0E	1.0E	95	1.0E	110	87	1.0E	1.0E	1.0E	1.0E
11	1.0E	1.0E	1.0E	1.0E	95	1.0E	110	76	1.0E	1.0E	1.0E	1.0E
12	1.0E	1.0E	1.0E	1.0E	93	1.0E	110	73	1.0E	1.0E	1.0E	1.0E
13	1.0E	1.0E	1.0E	1.0E	94	1.0E	109	73	1.0E	1.0E	1.0E	1.0E
14	1.0E	1.0E	1.0E	1.0E	94	70	110	74	1.0E	1.0E	1.0E	1.0E
15	1.0E	1.0E	1.0E	1.0E	95	135	112	74	1.0E	1.0E	1.0E	1.0E
16	1.0E	1.0E	1.0E	1.0E	96	132	112	76	1.0E	1.0E	1.0E	1.0E
17	1.0E	1.0E	1.0E	1.0E	97	127	109	75	1.0E	1.0E	1.0E	1.0E
18	1.0E	1.0E	1.0E	1.0E	97	156	110	74	1.0E	1.0E	1.0E	1.0E
19	1.0E	1.0E	1.0E	1.0E	20	170	109	73	1.0E	1.0E	1.0E	1.0E
20	1.0E	1.0E	1.0E	1.0E	1.0E	171	108	73	1.0E	1.0E	1.0E	1.0E
21	1.0E	1.0E	1.0E	1.0E	1.0E	171	107	72	1.0E	1.0E	1.0E	1.0E
22	1.0E	1.0E	1.0E	1.0E	1.0E	169	106	71	1.0E	1.0E	1.0E	1.0E
23	1.0E	1.0E	1.0E	1.0E	1.0E	167	107	71	1.0E	1.0E	1.0E	1.0E
24	1.0E	1.0E	1.0E	1.0E	1.0E	170	107	74	1.0E	1.0E	1.0E	1.0E
25	1.0E	1.0E	1.0E	1.0E	1.0E	170	107	72	1.0E	1.0E	1.0E	1.0E
26	1.0E	1.0E	1.0E	1.0E	1.0E	170	107	71	1.0E	1.0E	1.0E	1.0E
27	1.0E	1.0E	1.0E	1.0E	1.0E	169	108	70	1.0E	1.0E	1.0E	1.0E
28	1.0E	1.0E	1.0E	1.0E	1.0E	170	107	70	1.0E	1.0E	1.0E	1.0E
29	1.0E	-----	1.0E	1.0E	1.0E	170	108	70	1.0E	1.0E	1.0E	1.0E
30	1.0E	-----	1.0E	1.0E	1.0E	168	106	69	1.0E	1.0E	1.0E	1.0E
31	1.0E	-----	1.0E	-----	1.0E	-----	106	61	-----	1.0E	-----	1.0E
TOTAL	31.0	28.0	31.0	30.0	1,595.0	2,668.0	3,558	2,436	71.0	31.0	30.0	31.0
MEAN	1.00	1.00	1.00	1.00	51.5	88.9	115	78.6	2.37	1.00	1.00	1.00
MAX	1.0	1.0	1.0	1.0	97	171	157	106	42	1.0	1.0	1.0
MIN	1.0	1.0	1.0	1.0	1.0	1.0	106	61	1.0	1.0	1.0	1.0
AC-FT	61	56	61	60	3,160	5,290	7,060	4,830	141	61	60	61
YEAR 1994	TOTAL	10,540.0	MEAN	28.9	MAX	171	MIN	1.0	AC-FT	20,910		

REPUBLICAN RIVER BASIN

193

FRENCHMAN CREEK near Imperial - 1994

LOCATION.--SW1/4NW1/4 Sec. 3-5-38 W., Chase County

GAGE.--Continuous stage recorder

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.

Summary totals are for entire calendar year.

E indicates estimated daily discharge.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 62 cubic feet per second on June 9, gage height 1.65 ft.
Minimum daily discharge 12 cubic feet per second August 22.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										17	19	21
2										17	18	21
3										16	17	21
4										21	18	21
5										20	19	21
6										21	18	21
7										21	17	20
8										18	17	25
9										17	17	23
10										17	17	23
11										17	16	24
12										17	16	26
13										17	16	26
14										17	16	26
15										19	16	27
16										27	19	27
17										26	21	27
18										22	22	27
19										21E	21	27
20										20E	22	28
21										19E	22	27
22										18E	22	26
23										18E	22	26
24										19E	22	26
25										20E	22	25
26										20E	22	25
27										21E	22	25
28										21E	20	25
29		-----								21	20	25
30		-----								19	21	25
31		-----		-----		-----			-----	19	-----	27
TOTAL										603	577	764
MEAN										19.5	19.2	24.6
MAX										27	22	28
MIN										16	16	20
AC-FT										1,200	1,140	1,520
YEAR 1994	TOTAL	8,543		MEAN	23.4	MAX	51	MIN	12	AC-FT	16,940	

REPUBLICAN RIVER BASIN

FRENCHMAN CREEK near Enders - 1994

LOCATION.--NW1/4NW1/4 Sec. 10-5-37 W., Chase County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1946 - present

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

E indicates estimated daily discharge.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.29	.45	.45	.90	.45	2.5	187	104	.96	.45E	.45E	.62E
2	.33	.44	.40	.95	.45	5.8	182	95	1.0	.44E	.45E	.63E
3	.36	.41	.41	.98	.62	1.0	163	101	1.2	.43E	.45E	.65E
4	.37	.45	.47	.68	.91	2.9	154	58	1.3	.41E	.46E	.66E
5	.36	.53	.56	.66	.85	11	143	30	1.1	.40E	.46E	.67E
6	.36	.46	.58	.67	5.5	11	151	54	1.2	.40E	.46E	.68E
7	.37	9.3	.60	.76	.50	11	157	117	1.4	.40E	.46E	.70E
8	.37	3.2	.78	.50	.53	8.4	112	128	1.3	.40E	.46E	.71E
9	.40	2.2	.59	.40	.78	1.2	102	140	1.2	.40E	.47E	.72E
10	.40	.53	.61	.45	.91	1.7	91	151	1.1 E	.41E	.47E	.74E
11	.37	.51	.70	.61	1.0	17	104	157	1.1 E	.41E	.47E	.75E
12	.38	.54	.71	.77	1.3	11	132	176	1.0 E	.41E	.47E	.76E
13	.40	.50	.81	.66	1.3	8.6	138	168	.98E	.41E	.47E	.78E
14	.40	.40	.85	.57	1.3	74	93	32	.92E	.41E	.48E	.79E
15	.37	.37	.76	.45	1.3	84	69	7.4	.86E	.42E	.48E	.80E
16	.37	.37	.74	.44	.79	107	38	1.8	.81E	.42E	.48E	.83E
17	.40	.37	.87	.42	5.3	131	29	1.2	.76E	.42E	.48E	.82
18	.40	.37	.87	1.4	8.9	146	30	1.2	.70E	.42E	.48E	.85
19	.40	.37	.75	.68	2.5	175	30	1.3	.64E	.42E	.49E	.79
20	.37	.40	.75	1.7	1.1	177	30	1.3	.59	.43E	.49E	.84
21	.39	.42	.81	5.6	2.6	180	40	1.3	.58E	.43E	.49E	.85
22	.40	.42	.79	.48	11	146	66	1.1	.57E	.43E	.50E	.82
23	.55	.45	1.1	.40	4.8	135	93	1.1	.56E	.43E	.52E	.83
24	.61	.41	1.1	2.8	2.8	114	147	1.1	.54E	.43E	.53E	.85
25	.63	.40	.71	4.0	6.0	118	151	1.1	.53E	.44E	.54E	.77
26	.61	.44	.78	.40	.80	124	159	1.1	.52E	.44E	.55E	.71
27	.58	.53	.85	.40	1.1	132	154	.96	.50E	.44E	.57E	.75
28	.66	.47	.85	.43	1.2	154	132	.89	.49E	.44E	.58E	.75
29	.59	-----	.84	.45	1.4	170	107	1.1	.48E	.44E	.59E	.75
30	.41	-----	.93	.45	9.6	181	108	.95	.46E	.45E	.61E	.75
31	.43	-----	.85	-----	1.1	-----	107	.95	-----	.45E	-----	.75
TOTAL	13.33	25.71	22.87	30.06	78.69	2,441.1	3,399	1,536.85	25.35	13.13	14.86	23.37
MEAN	.43	.92	.74	1.00	2.54	81.4	110	49.6	.85	.42	.50	.75
MAX	.66	9.3	1.1	5.6	11	181	187	176	1.4	.45	.61	.85
MIN	.29	.37	.40	.40	.45	1.0	29	.89	.46	.40	.45	.62
AC-FT	26	51	45	60	156	4,840	6,740	3,050	50	26	29	46
YEAR 1994	TOTAL	7,624.32	MEAN	20.9	MAX	187	MIN	.29	AC-FT	15,120		

REPUBLICAN RIVER BASIN

195

STINKING WATER CREEK near Palisade - 1994

LOCATION.--SW1/4NW1/4 Sec. 30-5-33 W., Hayes County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1949 - present

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

Summary totals are for the entire calendar year.

E indicates estimated daily discharge.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 3,030 cubic feet per second on June 17, 1956, gage height 11.30 ft.
Minimum daily discharge 4.9 cubic feet per second August 23, 1987.

EXTREMES FOR CURRENT YEAR.--Peak discharge 94 cubic feet per second July 14, gage height 4.43 ft.
Maximum gage height 4.82 ft. February 6 due to backwater from ice.
Minimum daily discharge 13 cubic feet per second August 28, September 16 & 17.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										15	21	24
2										15	22	25
3										15	21	26
4										16	22	26
5										17	22	25
6										22	23	25
7										23	24	25E
8										26	24	23E
9										22	23	23E
10										19	23	23E
11										18	22	22E
12										18	23	22E
13										18	23	22E
14										18	23	23E
15										19	22	24E
16										20	22	24
17										22	23	24
18										25	23	24
19										25	23	25
20										25	23	25
21										24	25	25
22										23	25	25
23										22	25	25
24										22	25	24
25										21	25	24
26										21	25	24
27										21	25	25
28										21	25	24
29		-----								21	25	24
30		-----								21	24	25
31		-----		-----		-----		-----		21	-----	25
TOTAL										636	701	750
MEAN										20.5	23.4	24.2
MAX										26	25	26
MIN										15	21	22
AC-FT										1,260	1,390	1,490
YEAR 1994	TOTAL	9,271	MEAN	25.4	MAX	72	MIN	13	AC-FT	18,390		

REPUBLICAN RIVER BASIN

CULBERTSON CANAL from Frenchman River - 1994

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

GAGE.--Continuous stage recorder and Parshall Recorder

PERIOD OF RECORD.--1920 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0	55	46	170	155				
2				0	49	47	184	152				
3				0	45	46	187	146				
4				0	46	47	173	143				
5				0	48	44	167	122				
6				0	54	42	164	106				
7				0	56	42	166	95				
8				0	55	44	173	128				
9				0	53	55	149	148				
10				0	51	55	137	164				
11				0	51	50	122	167				
12				0	52	64	124	173				
13				5.9	50	71	138	192				
14				13	50	59	144	194				
15				28	49	52	130	148				
16				19	47	81	116	80				
17				20	46	103	111	65				
18				21	45	124	92	57				
19				40	44	135	90	53				
20				54	45	158	89	52				
21				54	44	167	85	48				
22				54	44	172	81	19				
23				55	44	161	94	2.3				
24				55	46	148	108	1.8				
25				53	48	144	137	1.8				
26				52	47	143	176	1.8				
27				54	48	142	183	1.8				
28				51	48	140	180	1.7				
29		-----		52	47	152	173	1.5				
30		-----		54	47	164	154	.64				
31		-----		-----	47	-----	158	0	-----		-----	
TOTAL				734.9	1,501	2,898	4,355	2,620.34				
MEAN				24.5	48.4	96.6	140	84.5				
MAX				55	56	172	187	194				
MIN				0	44	42	81	0				
AC-FT				1,460	2,980	5,750	8,640	5,200				
YEAR 1994	MAX	194	MIN	0	AC-FT	24,020						

REPUBLICAN RIVER BASIN

197

RIVERSIDE CANAL from Frenchman River - 1994

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

GAGE.--Continuous stage recorder

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	12	8.0	8.2	16			
2					0	12	7.7	8.2	16			
3					0	12	7.4	8.3	16			
4					0	12	9.0	7.5	16			
5					0	12	8.8	10	16			
6					0	12	6.3	8.1	16			
7					0	12	5.8	5.6	17			
8					0	12	3.8	5.0	17			
9					0	12	3.8	4.2	9.6			
10					0	12	2.6	7.0	0			
11					0	13	2.2	5.3	0			
12					0	9.0	4.7	4.1	0			
13					0	6.5	11	4.4	0			
14					0	12	17	4.8	0			
15					0	11	8.5	3.3	0			
16					0	12	0	4.8	0			
17					0	11	0	4.3	0			
18					0	11	.88	3.3	0			
19					0	11	10	3.0	0			
20					0	11	11	3.0	0			
21					0	11	9.0	2.9	0			
22					0	12	8.9	6.9	0			
23					0	12	9.7	16	0			
24					0	11	9.8	16	0			
25					7.3	10	16	16	0			
26					12	8.3	22	16	0			
27					12	7.1	16	16	0			
28					13	6.2	18	16	0			
29		-----			13	6.8	15	16	0			
30		-----			13	8.9	13	16	0			
31		-----		-----	13	-----	12	16	-----		-----	
TOTAL					83.3	320.8	277.88	266.2	139.6			
MEAN					2.69	10.7	8.96	8.59	4.65			
MAX					13	13	22	16	17			
MIN					0	6.2	0	2.9	0			
AC-FT					165	636	551	528	277			
YEAR 1994	MAX	22	MIN	0	AC-FT	2,160						

REPUBLICAN RIVER BASIN

RED WILLOW CREEK above Hugh Butler Lake - 1994

LOCATION.--NE1/4SE1/4 Sec. 13-5-31 W., Hayes County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1960 - present

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

Summary totals are for the entire calendar year.

E indicates estimated daily discharge.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 267 cubic feet per second July 14, gage height 7.21 ft.
 Minimum daily discharge 8.7 cubic feet per second July 6.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										11	18	21
2										12	18	21
3										11	17	21
4										12	18	21
5										13	19	22
6										15	19	20E
7										18	20	19E
8										20	21	19E
9										20	22	20E
10										19	21	20E
11										18	21	20E
12										17	21	20E
13										16	21	21E
14										16	21	21E
15										17	20	21E
16										19	20	22E
17										21	20	22E
18										25	20	22E
19										26	20	22E
20										25	21	22
21										23	23	23
22										22	24	24
23										20	25	24
24										19	25	24
25										19	23	23
26										19	23	23
27										19	23	24
28										18	24	24
29										18	23	23
30										18	23	22
31										18	-----	22
TOTAL										564	634	673
MEAN										18.2	21.1	21.7
MAX										26	25	24
MIN										11	17	19
AC-FT										1,120	1,260	1,330
YEAR 1994	TOTAL	8,371	MEAN	22.9	MAX	214	MIN	8.7	AC-FT	16,600		

REPUBLICAN RIVER BASIN

199

HUGH BUTLER LAKE near McCook - 1994

LOCATION.--SW1/4NW1/4 Sec. 31-5-29 W., Frontier County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--September 1951 - present

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum contents 39,700 acre-feet April 26, elevation 2,582.97 ft.
Minimum contents 30,770 acre-feet September 23, elevation 2,577.20.

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

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

DAILY CONTENTS IN ACRE-FEET FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										30,853	31,337	32,022
2										30,853	31,365	32,051
3										30,838	31,351	32,066
4										30,838	31,379	32,095
5										30,853	31,407	32,095
6										30,995	31,421	32,139
7										30,938	31,450	32,139
8										30,938	31,464	32,183
9										30,924	31,464	32,213
10										30,938	31,478	32,198
11										30,938	31,506	32,183
12										30,952	31,535	32,198
13										30,952	31,592	32,213
14										30,952	31,578	32,272
15										30,995	31,578	32,301
16										31,080	31,606	32,345
17										31,194	31,634	32,360
18										31,180	31,620	32,389
19										31,194	31,634	32,478
20										31,223	31,748	32,493
21										31,266	31,734	32,493
22										31,266	31,763	32,522
23										31,280	31,791	32,537
24										31,266	31,791	32,581
25										31,266	31,820	32,670
26										31,266	31,877	32,685
27										31,294	31,949	32,715
28										31,351	31,964	32,729
29		-----								31,337	31,978	32,744
30		-----							30,770	31,337	32,008	32,803
31		-----		-----		-----			-----	31,337	-----	32,832
MAX									30,770	31,351	32,008	32,832
MIN									30,770	30,838	31,337	32,022
CHANGE										567	671	824
YEAR 1994				MAX	39,680		MIN	30,770				

REPUBLICAN RIVER BASIN

RED WILLOW CREEK near McCook - 1994

LOCATION.--SW1/4NW1/4 Sec. 6-4-29 W., Red Willow County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1940 - 1947, Annual peaks 1958 - 1960, 1960 - present, see U.S.G.S. publication WSP 1310 for other periods.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 107 cubic feet per second June 22, gage height 9.80 feet.
Minimum daily discharge 3.5 cubic feet per second September 13-15, October 3.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.8	4.6	4.6	5.2	34	4.4	69	52	34	3.7	5.0	5.1
2	4.4	4.6	4.7	4.8	34	4.4	65	59	11	3.7	5.0	5.1
3	4.6	4.7	4.5	4.6	35	4.3	65	55	5.9	3.5	4.6	5.1
4	4.5	4.7	34	4.6	34	4.5	65	42	5.9	3.9	4.7	4.9
5	4.5	4.6	60	4.8	34	5.0	58	33	5.2	3.9	4.7	5.2
6	4.5	4.8	63	5.4	35	4.5	52	31	4.8	5.1	4.8	5.2
7	4.3	4.5	64	5.1	35	9.1	51	30	5.2	4.8	5.1	4.9
8	4.4	4.4	67	4.8	35	30	52	32	6.0	5.0	5.3	5.1
9	4.2	4.2	68	4.9	35	31	52	41	3.9	5.0	5.1	5.1
10	4.2	4.3	68	5.1	35	30	52	44	3.9	5.0	4.7	4.9
11	4.1	4.4	63	5.7	35	32	55	44	3.8	4.8	4.7	4.7
12	4.3	4.4	58	8.6	35	32	71	43	3.6	4.7	4.9	5.0
13	4.3	4.2	58	6.3	35	32	84	42	3.5	4.7	5.2	4.7
14	4.4	4.4	50	5.9	34	32	54	46	3.5	4.7	5.1	4.7
15	4.6	4.3	41	5.2	34	32	39	61	3.5	5.4	5.1	4.7
16	4.5	4.3	41	5.3	21	34	37	62	3.9	5.5	5.5	4.6
17	4.2	4.3	40	5.2	5.4	45	36	65	4.0	6.1	5.0	4.6
18	4.4	4.5	40	4.9	5.4	56	35	65	4.0	5.6	5.1	4.8
19	4.5	4.5	42	4.3	5.4	61	34	53	3.9	5.4	5.2	5.0
20	4.4	4.4	43	4.1	5.0	86	43	44	4.1	5.3	5.7	5.0
21	4.6	4.4	43	4.2	4.8	102	60	52	4.4	5.1	5.2	5.3
22	4.6	4.6	25	4.3	4.9	96	78	72	4.5	5.0	5.5	5.3
23	4.5	4.5	7.5	4.3	4.6	85	82	66	4.0	5.3	5.7	5.3
24	4.3	4.5	6.7	4.1	4.7	82	86	39	4.0	5.1	5.6	5.3
25	4.4	4.5	6.5	8.3	4.8	80	93	32	3.9	5.1	5.7	5.4
26	4.7	4.4	6.7	28	4.6	80	85	32	3.9	5.1	5.5	5.3
27	4.9	4.3	6.5	31	4.5	80	73	31	3.7	5.1	5.9	4.9
28	5.0	4.2	5.6	32	4.6	83	65	32	3.8	5.0	5.5	5.1
29	5.0	-----	5.6	33	4.6	79	55	33	3.8	4.9	5.5	5.0
30	5.0	-----	5.6	33	4.3	74	49	35	3.6	4.9	5.2	5.1
31	4.7	-----	5.5	-----	4.2	-----	49	35	-----	4.8	-----	5.0
TOTAL	139.8	124.5	1,038.0	287.0	611.8	1,410.2	1,844	1,403	163.2	151.2	155.8	155.4
MEAN	4.51	4.45	33.5	9.57	19.7	47.0	59.5	45.3	5.44	4.88	5.19	5.01
MAX	5.0	4.8	68	33	35	102	93	72	34	6.1	5.9	5.4
MIN	4.1	4.2	4.5	4.1	4.2	4.3	34	30	3.5	3.5	4.6	4.6
AC-FT	277	247	2,060	569	1,210	2,800	3,660	2,780	324	300	309	308
YEAR 1994	TOTAL	7,483.9	MEAN	20.5	MAX	102	MIN	3.5	AC-FT	14,840		

REPUBLICAN RIVER BASIN

201

RED WILLOW CANAL from Red Willow Creek - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	8.0	51	42	29			
2					0	8.0	57	56	8.9			
3					0	8.0	57	48	0			
4					0	8.0	54	37	0			
5					0	8.0	54	29	0			
6					0	7.9	48	26	0			
7					0	7.7	47	27	0			
8					0	20	46	27	0			
9					0	28	44	33	0			
10					0	27	44	42	0			
11					24	27	49	45	0			
12					34	26	60	45	0			
13					29	25	58	45	0			
14					28	24	36	45	0			
15					28	25	23	53	0			
16					16	24	20	63	0			
17					11	39	20	67	0			
18					9.6	49	20	60	0			
19					9.2	51	27	42	0			
20					9.0	68	37	36	0			
21					8.7	83	52	36	0			
22					8.3	77	70	44	0			
23					8.3	69	78	35	0			
24					8.3	68	80	19	0			
25					8.3	69	88	15	0			
26					8.1	69	81	17	0			
27					8.0	73	69	17	0			
28					8.0	73	58	17	0			
29		-----			8.0	69	45	26	0			
30		-----			8.0	68	41	33	0			
31		-----		-----	8.0	-----	41	34	-----		-----	
TOTAL					287.8	1,206.6	1,555	1,161	37.9			
MEAN					9.28	40.2	50.2	37.5	1.26			
MAX					34	83	88	67	29			
MIN					0	7.7	20	15	0			
AC-FT					571	2,390	3,080	2,300	75			
YEAR 1994	MAX	88	MIN	0	AC-FT	8,430						

REPUBLICAN RIVER BASIN

BARTLEY CANAL from Republican River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	33	66	55	23			
2					0	29	53	55	6.5			
3					0	29	40	57	0			
4					0	29	24	50	0			
5					0	29	21	27	0			
6					0	28	20	23	0			
7					0	28	20	23	0			
8					0	27	20	44	0			
9					0	25	20	73	0			
10					0	19	20	87	0			
11					0	14	44	87	0			
12					0	17	82	72	0			
13					0	22	96	63	0			
14					0	25	74	63	0			
15					0	25	42	56	0			
16					36	25	28	45	0			
17					35	36	25	40	0			
0018					35	42	25	40	0			
19					35	42	33	52	0			
20					34	61	51	58	0			
21					34	89	53	58	0			
22					34	97	56	77	0			
23					34	95	59	57	0			
24					34	89	59	33	0			
25					34	85	88	26	0			
26					34	85	102	23	0			
27					34	87	102	23	0			
28					35	87	91	24	0			
29		-----			34	90	66	23	0			
30		-----			34	89	55	25	0			
31		-----		-----	34	-----	54	27	-----		-----	
TOTAL					550	1,478	1,589	1,466	29.5			
MEAN					17.7	49.3	51.3	47.3	.98			
MAX					36	97	102	87	23			
MIN					0	14	20	23	0			
AC-FT					1,090	2,930	3,150	2,910	59			
YEAR 1994	MAX	102	MIN	0	AC-FT	10,140						

REPUBLICAN RIVER BASIN

203

FOX CREEK at Curtis - 1994

LOCATION.--SE1/4NW1/4 Sec. 27-8-28 W.

GAGE.--Continuous recorder

PERIOD OF RECORD.--1951 - 1958, 1978 - present

REMARKS.--Published by U. S. Geological Survey 1951 - 1958, 1958 - 1991, peak flows published 1960 - 1970.
E indicates estimated daily discharge.

EXTREMES FOR CURRENT YEAR.--Peak discharge 161 cubic feet per second June 21, gage height 7.59 ft.
Minimum daily discharge 2.5 cubic feet per second August 19.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.0	6.9E	14	6.9	7.3	6.7	5.3	3.4	4.0	3.0	6.5	4.9
2	6.8	6.9E	64	7.0	7.3	6.7	5.0	3.8	4.2	3.2	6.6	4.9
3	6.9	6.8E	65	6.9	7.4	6.8	4.2	4.5	4.4	3.1	6.5	4.9
4	6.8	6.8E	18	6.9	7.6	6.8	4.5	5.0	4.8	3.1	6.4	4.9
5	6.8	6.7E	9.7	6.9	7.6	6.5	3.6	4.0	4.5	3.5	6.6	4.6
6	6.9	6.7E	8.6	6.6	7.5	6.4	3.4	4.8	4.4	4.5	6.3	3.5E
7	6.4	6.6E	7.9	6.7	7.5	6.4	5.1	4.8	4.8	4.9	5.9	3.4E
8	7.1	6.5	7.3	6.7	7.5	6.7	5.3	5.0	4.5	4.1	6.0	3.4E
9	7.3	6.5E	6.9	6.6	7.2	6.9	4.6	5.1	4.4	3.8	5.9	3.6E
10	7.1	6.8E	6.8	6.6	7.3	6.5	4.2	5.5	3.9	4.1	5.8	3.7E
11	6.8	7.0E	6.8	6.8	7.3	6.1	4.2	4.7	4.0	4.4	5.6	4.4E
12	6.8	7.1E	6.9	9.4	7.3	6.2	4.5	4.7	3.9	4.7	5.5	4.5E
13	6.8	7.2	6.9	9.9	7.1	6.1	9.5	4.5	3.8	4.7	5.6	4.9E
14	6.9	7.4	6.9	7.6	7.2	5.9	7.2	4.2	3.4	4.6	5.1	5.5
15	7.1	7.9	7.0	7.0	7.1	5.5	6.8	4.1	3.3	6.0	4.8	5.3
16	7.1	12	7.1	6.7	6.9	5.5	7.5	3.9	3.6	8.4	4.8	5.1
17	6.5	20	7.2	6.8	6.6	5.4	5.0	3.9	3.6	9.0	5.1	4.9
18	6.5	26	7.1	6.8	6.7	5.0	4.7	3.3	3.5	11	5.1	4.9
19	7.9	32	7.0	6.6	6.6	3.7	4.5	2.5	3.4	6.6	5.0	5.0
20	7.3	10	7.0	6.7	6.6	3.6	4.3	2.6	3.6	5.5	5.7	5.5
21	7.1	8.2	7.0	6.8	6.7	47	4.3	3.0	3.9	6.2	6.0	5.6
22	7.1	7.7	7.0	6.9	6.6	6.8	4.2	4.2	4.1	6.3	5.2	5.3
23	7.2	7.3	6.9	6.9	6.5	6.7	3.8	4.5	4.1	6.5	5.1	5.1
24	7.5	7.2	7.0	6.9	6.7	4.2	4.2	4.8	3.8	6.2	5.0	5.1
25	7.7	7.0	6.9	7.2	32	3.4	4.9	5.2	3.6	6.4	5.0	5.1
26	7.5	6.8	6.9	7.3	7.9	4.1	3.9	5.0	3.5	6.8	5.0	5.2
27	7.6	6.9	6.9	6.8	7.1	4.4	4.4	4.3	3.3	6.9	6.1	5.1
28	7.9	6.9	7.0	7.1	7.1	4.5	4.2	4.2	3.2	6.6	5.7	5.2
29	7.6	-----	7.0	7.5	7.0	4.4	3.1	4.0	3.1	6.7	5.1	5.3
30	7.4	-----	6.9	7.4	6.8	4.0	2.8	4.1	3.0	6.4	4.9	5.3
31	7.1E	-----	6.9	-----	6.7	-----	3.5	4.0	-----	6.4	-----	5.4
TOTAL	220.5	261.8	354.5	212.9	244.7	208.9	146.7	131.6	115.6	173.6	167.9	149.5
MEAN	7.11	9.35	11.4	7.10	7.89	6.96	4.73	4.25	3.85	5.60	5.60	4.82
MAX	7.9	32	65	9.9	32	47	9.5	5.5	4.8	11	6.6	5.6
MIN	6.4	6.5	6.8	6.6	6.5	3.4	2.8	2.5	3.0	3.0	4.8	3.4
AC-FT	437	519	703	422	485	414	291	261	229	344	333	297
YEAR 1994	TOTAL	2,388.2	MEAN	6.54	MAX	65	MIN	2.5	AC-FT	4,740		

REPUBLICAN RIVER BASIN

MEDICINE CREEK above Harry Strunk Lake - 1994

LOCATION.--SW1/4 Sec. 7-6-26 W., Frontier County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1950 - present

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

Summary totals are for the entire calendar year.

E indicates estimated daily discharge.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 261 cubic feet per second March 3, gage height 7.54 ft.
Minimum daily discharge 27 cubic feet per second September 1.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										36	46	51
2										36	46	51
3										37	46	51
4										38	47	51
5										39	47	50
6										43	48	50
7										45	49	50E
8										47	49	50E
9										45	48	50E
10										44	47	50E
11										43	48	50E
12										43	48	50E
13										42	49	50E
14										43	48	52E
15										44	48	54E
16										45	47	54E
17										50	48	54E
18										52	48	54E
19										56	47	55E
20										53	49	55
21										50	50	56
22										48	52	56
23										47	51	56
24										47	50	55
25										46	50	56
26										46	50	56
27										45	52	56
28										47	52	56
29		-----								46	53	55
30		-----								46	51	55
31		-----		-----		-----		-----		46	-----	55
TOTAL										1,395	1,464	1,644
MEAN										45.0	48.8	53.0
MAX										56	53	56
MIN										36	46	50
AC-FT										2,770	2,900	3,260
YEAR 1994	TOTAL	19,479	MEAN	53.4	MAX	244	MIN	27	AC-FT	38,640		

205

YEAR 1994	MAX	39,660	MIN	18,510
-----------	-----	--------	-----	--------

REPUBLICAN RIVER BASIN

MEDICINE CREEK below Harry Strunk Lake - 1994

LOCATION.--Center of Sec. 25-5-26 W., Frontier County

GAGE.--Continuous stage recorder

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.

Summary totals are for the entire calendar year.

E indicates estimated daily discharge.

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 337 cubic feet per second July 25 & 26, gage height 2.79 ft.

Minimum daily discharge 0.11 cubic feet per second September 11 & 12.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										.24	.26	.34
2										.24	.24	.35
3										.81	.22	.31
4										.76	.21	.35
5										.73	.20	.35
6										.23	.17	.41E
7										.25	.18	.41E
8										.27	.23	.41E
9										.30	.27	.41E
10										.27	.27	.47E
11										.26	.29	.47E
12										.27	.26	.47E
13										.27	.26	.47E
14										.27	.25	.53
15										.29	.26	.56
16										.26	.24	.58
17										.30	.27	.57
18										.27	.27	.53
19										.22	.29	.55
20										.21	.43	.55
21										.21	.29	.52
22										.21	.27	.51
23										.18	.27	.52
24										.16	.27	.51
25										.16	.27	.45
26										.19	.30	.42
27										.23	.36	.44
28										.25	.29	.47
29		-----								.23	.30	.47
30		-----								.23	.30	.51
31		-----		-----		-----		-----		.24	-----	.54
TOTAL										9.01	7.99	14.45
MEAN										.29	.27	.47
MAX										.81	.43	.58
MIN										.16	.17	.31
AC-FT										18	16	29
YEAR 1994	TOTAL	21373.58	MEAN	58.6	MAX	316	MIN	.11	AC-FT	42,390		

REPUBLICAN RIVER BASIN

207

CAMBRIDGE CANAL from Republican River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	56	218	165	91			
2					0	55	222	203	24			
3					0	56	199	193	0			
4					0	56	124	153	0			
5					0	56	96	124	0			
6					0	55	115	117	0			
7					0	55	106	113	0			
8					0	56	92	154	0			
9					0	57	90	181	0			
10					0	57	89	180	0			
11					32	67	156	183	0			
12					54	72	219	211	0			
13					55	70	186	216	0			
14					55	80	119	210	0			
15					55	112	69	244	0			
16					69	152	55	244	0			
17					73	187	55	248	0			
18					73	200	62	244	0			
19					73	199	74	204	0			
20					73	235	89	190	0			
21					72	198	109	188	0			
22					72	155	185	221	0			
23					60	110	211	238	0			
24					56	90	209	220	0			
25					56	86	264	186	0			
26					57	86	256	147	0			
27					57	130	214	132	0			
28					57	195	188	130	0			
29		-----			57	239	150	118	0			
30		-----			56	225	140	105	0			
31		-----		-----	56	-----	140	97	-----		-----	
TOTAL					1,268	3,447	4,501	5,559	115			
MEAN					40.9	115	145	179	3.83			
MAX					73	239	264	248	91			
MIN					0	55	55	97	0			
AC-FT					2,520	6,840	8,930	11,030	228			
YEAR 1994	MAX	264	MIN	0	AC-FT	29,530						

REPUBLICAN RIVER BASIN

MUDDY CREEK at Arapahoe - 1994

LOCATION.--NW1/4NW1/4 Sec. 22-4-23 W., Furnas County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1950 - 1972, 1977 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1993.
E designates estimated daily discharge.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 327 cubic feet per second on March 3 at gage height 8.97 ft.
Minimum daily discharge 5.8 cubic feet per second Sep. 17 - 24, and Oct. 1.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.6	10	10	10	11	7.9	8.7	8.1	6.9	5.8	6.9	8.0
2	8.5	9.7	11	10	11	7.9	9.3	8.4	7.1	5.9	7.0	8.0
3	8.4	9.3	123	10	11	7.9	13	9.8	7.1	6.1	7.1	7.9
4	8.7	9.0E	269	10	11	8.2	16	9.7	6.9	6.2	7.1	7.9
5	8.8	8.7E	81	10	11	7.8	11	8.4	6.9	7.0	7.4	7.8
6	8.2E	8.5E	25	10	11	7.6	11	7.7	7.0	6.7	7.4	7.6E
7	8.0E	8.3E	15	10	11	7.6	10	7.9	7.8	6.4	7.4	8.0E
8	8.9	8.1	13	10	10	7.6	9.9	7.8	7.4	6.3	7.4	8.2E
9	9.1	7.5	12	10	10	7.8	9.3	7.9	6.9	6.2	7.3	8.3E
10	9.1	7.5E	12	10	9.7	8.2	9.2	7.9	6.4	6.0	7.6	8.4E
11	11	8.0E	10	11	8.8	10	8.9	8.0	6.4	6.1	7.6	8.6E
12	10	9.0E	13	13	14	9.2	9.1	7.8	6.4	6.0	7.6	8.5E
13	8.8	10 E	13	14	15	8.3	16	7.8	6.2	6.0	7.6	8.4E
14	8.8	11	12	12	9.1	7.9	16	8.1	6.3	6.0	7.9	8.3E
15	8.5E	12	11	11	8.8	7.5	9.0	8.3	6.2	6.2	7.7	8.1E
16	8.5E	16	10	11	8.8	8.3	9.7	8.1	6.0	6.9	7.6	8.1E
17	8.4E	24	9.8	10	8.8	8.7	11	7.5	5.8	8.2	7.6	8.1E
18	8.5E	45	11	10	8.6	8.6	13	7.6	5.8	11	7.6	8.3
19	9.0E	50	10	11	8.5	7.8	12	8.1	5.8	9.4	7.6	8.5
20	9.2	35	11	11	8.5	8.0	10	7.7	5.8	8.0	9.1	8.5E
21	9.1	17	10	10	8.5	9.5	9.4	7.4	5.8	7.4	9.7	8.3E
22	9.1	16 E	10	11	8.7	9.7	8.9	7.6	5.8	6.7	9.4	8.5E
23	9.1	15 E	11	11	8.7	23	8.8	7.9	5.8	6.5	8.3	8.8
24	9.1	13	11	11	8.7	61	8.4	7.7	5.8	6.3	8.0	8.8
25	9.4	13 E	11	12	8.6	16	8.2	7.6	5.9	6.4	7.5	8.8
26	9.4E	12	11	12	8.7	11	8.2	7.2	6.0	6.7	7.6	8.8
27	9.4E	11	10	12	8.2	9.1	8.5	7.0	6.0	6.9	8.2	8.8
28	9.6E	11	10	11	7.9	8.7	8.1	6.9	6.0	7.0	8.7	8.8
29	9.4E	-----	10	12	7.9	8.2	9.9	6.9	6.0	6.9	7.7	8.8
30	9.2E	-----	10	12	7.9	8.4	8.8	6.9	6.0	6.9	8.0E	8.8
31	9.2	-----	10	-----	7.9	-----	8.3	6.9	-----	6.9	-----	8.7E
TOTAL	279.0	414.6	795.8	328	297.3	327.4	317.6	242.6	190.2	211.0	233.6	259.4
MEAN	9.00	14.8	25.7	10.9	9.59	10.9	10.2	7.83	6.34	6.81	7.79	8.37
MAX	11	50	269	14	15	61	16	9.8	7.8	11	9.7	8.8
MIN	8.0	7.5	9.8	10	7.9	7.5	8.1	6.9	5.8	5.8	6.9	7.6
AC-FT	553	822	1,580	651	590	649	630	481	377	419	463	515
YEAR 1994	TOTAL	3,896.5	MEAN	10.7	MAX	269	MIN	5.8	AC-FT	7,730		

REPUBLICAN RIVER BASIN

209

TURKEY CREEK at Edison - 1994

LOCATION.--NE1/4SW1/4 Sec. 31-4-21 W., Furnas County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1977 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1993.
E indicates estimated daily discharge.

EXTREMES FOR CURRENT YEAR.--Peak discharge 176 cubic feet per second on March 4 at gage height 7.15 feet.
Minimum daily discharge 3.2 cubic feet per second on February 8.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11	5.0E	17	19	18	13	12	7.3	6.8	6.5	11	16
2	10	4.7E	17	18	19	14	10	7.2	6.1	6.8	11	14
3	10	4.0E	31	18	19	14	10	10	7.0	8.3	11	12
4	11	3.8E	127	17	19	14	11	7.2	7.2	8.4	11	11
5	11	3.5E	107	16	19	14	9.4	8.2	7.4	9.6	11	12
6	11	3.4E	41	16	19	14	8.9	7.6	6.8	9.1	11	9.7
7	9.8	3.3E	23	16	20	13	10	7.0	6.7	9.2	11	8.5E
8	8.8E	3.2	20	16	19	15	11	8.2	6.2	9.3	11	7.0E
9	8.0E	4.0E	20	16	18	20	9.6	7.8	6.1	9.2	11	7.0E
10	7.5E	6.4E	19	17	17	15	8.6	7.0	5.9	9.0	11	7.0E
11	7.5E	8.8E	19	17	17	15	7.7	8.9	6.3	9.3	10	7.0E
12	7.5E	11 E	19	18	17	15	7.7	8.8	6.0	9.7	11	7.0E
13	7.5E	14 E	18	17	17	15	9.4	6.8	6.0	9.8	11	7.0E
14	7.5E	16 E	18	18	18	14	10	6.8	6.3	9.9	11	7.0E
15	7.5E	18 E	18	20	17	13	9.2	6.4	6.8	10	11	7.5E
16	7.5E	31	18	19	16	13	8.5	6.5	6.3	12	11	8.0E
17	7.6E	39	18	17	16	13	11	6.3	6.2	15	11	9.4E
18	7.6E	41	18	18	16	12	30	6.7	6.2	13	11	12 E
19	8.0E	47	17	17	16	13	11	6.3	6.3	13	11	14 E
20	8.5E	24	17	17	15	13	8.2	6.2	6.0	10	13	14 E
21	9.0E	13	17	17	15	15	8.0	6.0	6.1	10	17	14 E
22	11 E	9.0E	17	18	15	19	9.0	6.0	6.5	10	15	13
23	15 E	8.0E	18	18	15	33	9.2	6.6	6.7	10	12	12
24	17	8.0E	18	18	16	20	9.1	6.0	6.8	10	12	12
25	16	8.0E	18	18	16	14	9.8	5.0	6.7	11	12	12
26	14	8.0E	18	19	16	13	11	5.7	6.5	12	12	12
27	8.5	9.0E	18	18	15	12	8.6	5.2	6.6	12	13	12
28	7.0E	12 E	18	19	15	12	8.4	5.6	6.4	12	14	12
29	5.9E	-----	18	20	15	11	9.6	6.2	6.4	12	11	12
30	5.8E	-----	18	19	15	11	7.9	6.0	6.5	12	14	13
31	5.7	-----	18	-----	14	-----	7.0	6.1	-----	11	-----	13
TOTAL	289.7	366.1	798	531	519	442	310.8	211.6	193.8	319.1	353	334.1
MEAN	9.35	13.1	25.7	17.7	16.7	14.7	10.0	6.83	6.46	10.3	11.8	10.8
MAX	17	47	127	20	20	33	30	10	7.4	15	17	16
MIN	5.7	3.2	17	16	14	11	7.0	5.0	5.9	6.5	10	7.0
AC-FT	575	726	1,580	1,050	1,030	877	616	420	384	633	700	663
YEAR 1994	TOTAL	4,668.2	MEAN	12.8	MAX	127	MIN	3.2	AC-FT	9,260		

REPUBLICAN RIVER BASIN

BEAVER CREEK near Beaver City - 1994

LOCATION.--SW1/4SW1/4 Sec. 23-2-23 W., Furnas County

GAGE.--Continuous stage recorder

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.

Summary totals are for the entire calendar year.

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 96 cubic feet per second March 9, gage height 5.72 ft.
Minimum daily discharge 0.09 cubic feet per second September 29 & 30.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										.10	.97	1.1
2										.20	1.0	1.1
3										.20	1.0	1.1
4										.23	1.1	1.1
5										.31	.96	1.0
6										.25	1.0	1.0
7										.19	1.0	1.0
8										.21	.95	1.1
9										.21	.95	1.1
10										.22	1.1	1.0
11										.24	1.3	1.0
12										.26	1.3	.97
13										.27	1.1	.91
14										.30	.84	.97
15										.33	.77	1.0
16										.46	.82	1.0
17										.65	.73	1.1
18										.54	.73	1.1
19										.45	.70	1.1
20										.43	.89	1.1
21										.47	2.3	1.0
22										.51	1.6	.97
23										.53	.92	.97
24										.55	.90	1.0
25										.59	.89	1.0
26										.67	.94	1.0
27										.67	1.2	1.0
28										.68	1.2	.97
29			-----							.72	1.0	.94
30			-----							.94	.96	.97
31			-----	-----		-----			-----	.89	-----	.98
TOTAL										13.27	31.12	31.65
MEAN										.43	1.04	1.02
MAX										.94	2.3	1.1
MIN										.10	.70	.91
AC-FT										26	62	63
YEAR 1994	TOTAL	1,025.16	MEAN	2.81	MAX	46	MIN	.09	AC-FT	2,030		

REPUBLICAN RIVER BASIN

211

HARLAN COUNTY RESERVOIR near Republican City - 1994

LOCATION.--Sec. 11-1-17 W., Harlan County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--November 1952 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1994.
Summary values are for October thru December, 1994.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents 497,400 acre-feet April 6, 1960, elevation 1,955.67 ft.
Minimum since start of operation, 110,300 acre-feet October 22 to November 6, 1953,
elevation 1,922.00 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents 343,400 acre-feet June 14, elevation 1,948.07 feet.
Minimum 264,800 acre-feet October 14, elevation 1,941.92 ft.

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

1,928	128,300	1,940	243,100
1,930	144,300	1,945	302,000
1,935	190,800	1,950	371,310

DAILY CONTENTS IN ACRE-FEET FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										265,200	266,700	274,400
2										265,400	266,700	274,800
3										265,400	266,700	274,800
4										265,400	267,100	275,300
5										265,100	267,300	275,400
6										265,400	267,100	276,300
7										265,400	267,400	276,200
8										265,200	267,700	276,500
9										265,100	267,900	276,700
10										265,000	267,900	276,800
11										265,000	268,100	276,800
12										264,900	268,500	277,000
13										264,900	268,700	277,200
14										264,800	268,700	277,600
15										265,100	268,700	277,800
16										265,600	268,800	278,100
17										265,900	269,100	278,400
18										265,900	269,200	278,600
19										266,000	269,300	279,100
20										266,200	271,300	279,400
21										266,500	271,000	279,800
22										266,500	271,400	280,100
23										266,500	271,500	280,500
24										266,400	271,700	281,000
25										266,400	272,000	281,300
26										266,400	272,600	281,800
27										266,500	273,500	282,200
28										266,600	273,700	282,300
29		-----								266,500	273,900	282,900
30		-----								266,700	274,100	283,400
31		-----		-----		-----		-----		266,700	-----	284,100
MAX										266,700	274,100	284,100
MIN										264,800	266,700	274,400
CHANGE										1,500	7,400	10,000
YEAR 1994				MAX	343,100	MIN	264,800					

REPUBLICAN RIVER BASIN

NAPONEE CANAL from Republican River - 1994

STATION NUMBER.--00105000

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

GAGE.--Sparling Meter

PERIOD OF RECORD.--1955 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1						0	28	27	3.3			
2						0	28	25	0			
3						0	20	22	0			
4						0	9.0	20	0			
5						0	8.8	24	0			
6						0	18	26	0			
7						0	21	26	0			
8						0	0	28	0			
9						16	0	29	0			
10						16	0	30	0			
11						16	0	28	0			
12						16	0	27	0			
13						18	0	24	0			
14						22	0	22	0			
15						23	0	23	0			
16						26	0	25	0			
17						28	0	25	0			
18						28	0	24	0			
19						28	0	26	0			
20						28	0	26	0			
21						21	0	26	0			
22						7.2	0	26	0			
23						0	0	26	0			
24						0	7.4	26	0			
25						0	22	22	0			
26						0	31	19	0			
27						0	34	16	0			
28						8.4	34	13	0			
29		-----				23	34	10	0			
30		-----				28	31	8.0	0			
31		-----		-----		-----	29	8.0	-----			
TOTAL						352.6	355.2	707.0	3.3			
MEAN						11.8	11.5	22.8	.11			
MAX						28	34	30	3.3			
MIN						0	0	8.0	0			
AC-FT						699	705	1,400	6.5			
YEAR 1994	MAX	34	MIN	0	AC-FT	2,810						

REPUBLICAN RIVER BASIN

213

FRANKLIN CANAL from Republican River - 1994

STATION NUMBER.--00053000

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

GAGE.--Continuous stage recorder and orifice

PERIOD OF RECORD.--1954 - present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1						0	254	223	170			
2						0	254	234	156			
3						0	231	234	141			
4						0	204	228	124			
5						0	190	220	107			
6						0	190	206	53			
7						0	151	199	0			
8						0	51	199	0			
9						0	0	199	0			
10						0	61	199	0			
11						0	177	199	0			
12						0	221	198	0			
13						0	192	207	0			
14						74	155	228	0			
15						104	157	244	0			
16						104	175	248	0			
17						129	174	254	0			
18						163	149	254	0			
19						181	138	246	0			
20						193	169	238	0			
21						204	205	238	0			
22						204	227	238	0			
23						189	238	238	0			
24						182	247	237	0			
25						202	252	230	0			
26						231	242	222	0			
27						244	230	222	0			
28						254	230	212	0			
29		-----				254	230	205	0			
30		-----				254	220	204	0			
31		-----		-----		-----	215	187	-----		-----	
TOTAL						3,166	5,829	6,890	751			
MEAN						106	188	222	25.0			
MAX						254	254	254	170			
MIN						0	0	187	0			
AC-FT						6,280	11,560	13,670	1,490			
YEAR 1994	MAX	254	MIN	0	AC-FT	33,000						

REPUBLICAN RIVER BASIN

CENTER CREEK at Franklin - 1994

LOCATION.--NW1/4NE1/4 Sec. 35-2-15 W., Franklin County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1948 - 1956, Annual peaks and occasional low flow measurements 1961 - 1968, 1968 - 1975, 1977 - present

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

E indicates estimated daily discharge.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 3,150 cubic feet per second September 20, 1950 at gage height 6.80 ft.
Minimum daily discharge zero August 29, 1948.

EXTREMES FOR CURRENT YEAR.--Peak discharge 164 cubic feet per second July 17 at gage height 2.70 ft.
Minimum daily discharge 4.5 cubic feet per second July 12.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.3	7.9E	9.1	10	14	12	7.9	5.1	6.0	5.6	7.8E	6.7
2	7.5	8.2E	11	9.3	15	32	7.6	5.2	5.9	6.6	7.8E	6.9
3	6.8	9.2	16	9.3	13	32	11	5.7	6.6	6.3	7.7E	6.8
4	7.7	7.4	70	8.9	12	6.9	19	5.6	6.3	6.3	7.7E	6.7
5	8.1	10	83	9.3	11	7.4	25	6.3	5.9	6.7	7.7E	6.9
6	8.8	7.6	21	9.2	11	7.9	6.6	6.2	6.0	7.0	7.6E	7.5E
7	9.3E	7.5E	7.3	10	9.6	8.0	7.3	6.4	6.3	7.0	7.6E	7.1E
8	9.3E	7.4E	7.3	9.4	9.3	7.6	6.3	7.0	6.3	6.4	7.6E	7.5
9	9.8	7.3E	6.9	9.7	9.0	8.0	5.3	6.7	6.4	6.8	7.5E	7.4
10	8.1	7.3E	7.8	9.7	9.0	7.2	5.6	6.3	6.4	6.8	7.5	7.1
11	7.4	7.4E	8.1	11	8.7	5.5	5.5	6.6	5.9	6.3	7.5	7.6
12	6.8	7.8	8.7	8.2	8.3	5.1	4.5	6.7	5.9	6.0	7.0	7.9
13	7.1	7.1	8.9	7.5	8.3	7.5	9.6	6.8	5.2	7.5	6.6	7.0
14	7.1	7.7	9.2	8.8	9.7	5.9	9.3	6.8	4.8	8.4	6.3	7.7
15	7.5E	8.8	10	8.3	9.4	6.1	11	8.2	4.8	9.8	6.0	7.3
16	7.5E	10	10	8.3	9.1	6.2	12	7.1	5.0	10	6.0	7.4
17	7.4E	7.7	10	8.3	8.1	5.9	23	7.0	5.2	11	6.0	7.9
18	7.4E	9.5	9.4	8.4	7.5	5.7	16	7.1	5.3	11	5.7	8.0
19	7.3E	11	10	8.6	6.9	5.8	7.4	7.1	5.0	10	5.8	7.8
20	7.2E	6.8	11	10	7.2	5.4	5.5	6.3	5.0	9.9	7.3	7.8
21	7.1E	6.7E	11	10	7.4	10	6.0	5.5	5.2	9.8	6.6	7.4
22	7.1E	6.6E	11	11	7.1	8.0	6.3	4.8	6.2	10	5.7	7.0
23	7.0E	6.8E	9.6	12	6.5	8.9	7.3	4.9	7.0	9.0E	5.1	7.1
24	7.0	6.9E	9.4	12	5.6	8.2	8.7	4.7	7.2	8.0E	5.3	7.3
25	7.4	7.3E	11	11	5.3	8.5	9.0	5.1	7.1	8.0E	5.6	6.5
26	8.9	7.8E	9.8	10	5.0	8.1	13	6.8	6.4	7.9E	5.6	6.6
27	7.2	8.2E	9.5	12	4.6	8.1	6.4	6.0	6.1	7.9E	7.6	6.2
28	6.3	8.7E	9.2	13	4.9	7.9	5.8	6.7	5.6	7.9E	7.4	6.5
29	6.1	-----	8.7	12	6.6	7.0	5.6	7.7	5.7	7.8E	7.3	6.0
30	6.5	-----	9.7	13	6.1	8.2	5.6	7.7	5.7	7.8E	7.1	5.0
31	7.5E	-----	10	-----	8.3	-----	5.3	6.3	-----	7.8E	-----	5.6
TOTAL	234.5	222.6	443.6	298.2	263.5	271.0	284.4	196.4	176.4	247.3	204.0	218.2
MEAN	7.56	7.95	14.3	9.94	8.50	9.03	9.17	6.34	5.88	7.98	6.80	7.04
MAX	9.8	11	83	13	15	32	25	8.2	7.2	11	7.8	8.0
MIN	6.1	6.6	6.9	7.5	4.6	5.1	4.5	4.7	4.8	5.6	5.1	5.0
AC-FT	465	442	880	591	523	538	564	390	350	491	405	433
YEAR 1994	TOTAL	3,060.1	MEAN	8.38	MAX	83	MIN	4.5	AC-FT	6,070		

REPUBLICAN RIVER BASIN

215

THOMPSON CREEK at Riverton - 1994

LOCATION.--NW1/4NW1/4 Sec. 2-1-13 W., Franklin County

GAGE.--Continuous stage recorder

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.

E indicates estimated daily discharge.

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 8.1 cubic feet per second December 15, 1951.

EXTREMES FOR CURRENT YEAR.--Peak discharge 883 cubic feet per second March 4, gage height 7.81 feet.

Minimum daily discharge 14 cubic feet per second August 27.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	33	26	32	26	24	23	32	21	22	19	24	29
2	32	24	36	26	27	25	22	31	22	22	24	28
3	32	22	166	27	27	25	43	87	23	22	25	31
4	28	23	480	27	25	25	62	23	22	21	24	26
5	28	24	559	25	25	23	67	22	22	22	25	25E
6	28	24	253	27	23	21	42	22	19	21	26	24E
7	28E	24	76	25	23	26	57	22	18	23	26	23E
8	29E	23E	37	24	24	26	36	21	18	20	25	25E
9	30	21E	32	26	23	26	23	22	19	20	23	26E
10	30	22E	30	35	25	27	22	21	19	20	24	27E
11	30	23E	31	42	28	26	35	23	18	21	24	25E
12	29	24	30	61	25	26	43	22	17	21	25	24E
13	30	27	30	41	27	26	47	22	18	20	27	24
14	29	26	29	32	28	23	45	22	18	21	28	24
15	29E	29	28	29	26	24	29	21	20	24	28	22
16	29E	61	30	30	27	27	32	20	18	25	28	22
17	28E	78	28	27	26	25	57	20	18	22	28	21
18	28E	109	27	25	25	24	40	19	19	22	28	21
19	27E	59	29	25	26	25	36	19	19	24	28	24
20	27E	34	29	26	31	20	28	21	19	24	36	23
21	26E	29	30	27	44	216	38	23	21	24	32	20
22	26	28E	29	27	43	58	30	20	21	24	29	21
23	24	28E	28	28	34	41	22	15	22	22	29	21
24	24	29E	28	27	38	55	23	16	22	22	27	22
25	23	30E	28	27	35	33	21	16	22	24	27	24
26	31	29E	27	25	29	39	36	17	20	24	29	24
27	27	30E	30	24	29	25	32	14	20	24	38	22
28	24	33	29	27	29	29	21	15	21	24	32	21
29	23	-----	27	27	24	37	19	15	19	24	30	21
30	22	-----	26	26	24	44	20	17	18	23	29	21E
31	28	-----	27	-----	22	-----	21	18	-----	24	-----	21E
TOTAL	862	939	2,301	871	866	1,070	1,081	687	594	693	828	732
MEAN	27.8	33.5	74.2	29.0	27.9	35.7	34.9	22.2	19.8	22.4	27.6	23.6
MAX	33	109	559	61	44	216	67	87	23	25	38	31
MIN	22	21	26	24	22	20	19	14	17	19	23	20
AC-FT	1,710	1,860	4,560	1,730	1,720	2,120	2,140	1,360	1,180	1,370	1,640	1,450
YEAR 1994	TOTAL	11,524	MEAN	31.6	MAX	559	MIN	14	AC-FT	22,860		

REPUBLICAN RIVER BASIN

FRANKLIN PUMP CANAL from Republican River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1						0	42	29				
2						0	41	31				
3						0	34	38				
4						0	5.9	41				
5						0	0	40				
6						0	0	33				
7						0	0	29				
8						0	0	28				
9						0	0	28				
10						0	6.3	28				
11						0	26	28				
12						0	37	27				
13						0	46	24				
14						0	43	23				
15						0	32	26				
16						0	28	27				
17						11	11	27				
18						15	0	28				
19						15	0	27				
20						25	0	27				
21						33	0	27				
22						38	0	27				
23						41	0	28				
24						40	6.9	28				
25						42	32	27				
26						43	26	24				
27						43	16	19				
28						43	21	15				
29		-----				43	25	5.5				
30		-----				43	24	0				
31		-----		-----		-----	25	0	-----		-----	
TOTAL						475	528.1	789.5				
MEAN						15.8	17.0	25.5				
MAX						43	46	41				
MIN						0	0	0				
AC-FT						942	1,050	1,570				
YEAR 1994	MAX	46	MIN	0	AC-FT	3,560						

REPUBLICAN RIVER BASIN

217

ELM CREEK at Amboy - 1994

LOCATION.--NE1/4NW1/4 Sec. 3-1-10 W., Webster County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1948 - 1953, Annual peaks 1959, 1960 - 1977, occasional low flow measurements 1954 - 1977, 1977 - present

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

E indicates estimated daily discharge.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 7,800 cubic feet per second September 29, 1983 at gage height 16.96 ft. from HWM.

Maximum gage height 17.05 ft. July 4, 1959.

Minimum daily discharge 6.2 cubic feet per second August 28, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharge 331 cubic feet per second March 4 at gage height 11.63 ft.

Minimum daily discharge 9.4 cubic feet per second July 23.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16	15E	15	18	16	14	14	10	12	10	13	15
2	16	15E	17	17	17	16	23	10	12	11	14	14
3	16	16	47	16	17	15	33	12	13	11	14	14
4	16	16	245	16	16	15	22	11	13	11	14	14
5	16	16	93	16	16	15	17	11	12	12	14	13E
6	16	16	48	16	16	15	15	11	12	12	14	12E
7	15E	15	31	16	15	26	19	11	12	10	14	11E
8	14E	13E	23	16	15	21	23	12	11	9.8	14	12E
9	15E	12E	20	16	15	19	20	12	11	9.9	14	13E
10	16	13E	19	21	15	16	14	12	11	10	13	13E
11	16	14E	19	19	16	15	12	12	12	10	14	12E
12	16	15	19	21	16	15	11	12	12	10	14	12E
13	16	16	18	19	16	15	14	12	11	11	15	12E
14	15	17	18	17	16	15	13	11	11	11	14	13E
15	14E	17	17	17	16	14	16	10	11	12	14	13E
16	14E	17	17	16	16	14	13	10	10	14	14	14
17	14E	21	18	16	16	13	13	11	10	14	15	15
18	13E	37	17	16	17	13	12	11	11	13	15	15
19	13E	31	18	16	16	13	12	11	10	13	15	15
20	14E	24	17	16	16	12	11	11	11	12	18	15
21	14E	19	17	17	16	13	10	12	11	12	20	16
22	14E	18	17	17	16	13	9.9	11	11	12	15	16
23	15	15E	17	16	16	44	9.4	11	11	11	14	16
24	16	14E	16	16	16	70	10	11	11	12	14	16
25	16	15E	17	16	16	20	12	11	11	12	14	16
26	17	14E	17	16	15	15	12	10	11	12	14	15
27	16	13E	16	16	15	13	60	11	11	12	17	15
28	15E	14E	16	17	15	12	19	11	11	13	15	16
29	15E	-----	16	16	15	11	14	12	11	13	15	16
30	15E	-----	17	17	15	14	13	11	11	12	14	16
31	14E	-----	18	-----	14	-----	11	11	-----	13	-----	14E
TOTAL	468	478	920	505	488	536	507.3	345	338	360.7	438	439
MEAN	15.1	17.1	29.7	16.8	15.7	17.9	16.4	11.1	11.3	11.6	14.6	14.2
MAX	17	37	245	21	17	70	60	12	13	14	20	16
MIN	13	12	15	16	14	11	9.4	10	10	9.8	13	11
AC-FT	928	948	1,820	1,000	968	1,060	1,010	684	670	715	869	871
YEAR 1994	TOTAL	5,823.0	MEAN	16.0	MAX	245	MIN	9.4	AC-FT	11,550		

REPUBLICAN RIVER BASIN

COURTLAND CANAL from Republican River - 1994

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

GAGE.--Continuous stage recorder and orifice

PERIOD OF RECORD.--1952 -present

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	141	428	311	132			
2					0	161	468	342	0			
3					0	161	493	363	0			
4					0	161	434	366	0			
5					0	159	380	360	0			
6					0	151	376	360	0			
7					0	152	375	360	0			
8					0	151	277	360	0			
9					0	150	216	360	0			
10					25	150	214	341	0			
11					36	150	214	332	0			
12					36	150	212	314	0			
13					36	152	214	286	0			
14					36	151	253	279	0			
15					36	138	271	278	0			
16					43	141	272	315	0			
17					44	217	274	305	0			
18					45	295	285	303	0			
19					57	322	282	311	0			
20					45	361	276	337	0			
21					35	408	275	348	0			
22					35	484	293	348	0			
23					35	487	321	348	0			
24					35	461	328	348	0			
25					35	436	378	348	0			
26					60	436	392	351	0			
27					81	436	330	353	0			
28					81	445	289	352	0			
29		-----			81	423	310	351	0			
30		-----			81	427	310	347	0			
31		-----		-----	101	-----	310	347	-----		-----	
TOTAL					1,099	8,057	9,750	10,424	132			
MEAN					35.5	269	315	336	4.40			
MAX					101	487	493	366	132			
MIN					0	138	212	278	0			
AC-FT					2,180	15,980	19,340	20,680	262			
YEAR 1994	MAX	493	MIN	0	AC-FT	58,440						

REPUBLICAN RIVER BASIN

219

SUPERIOR CANAL from Republican River - 1994

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 FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1						0	149	104	9.8			
2						0	147	111	0			
3						0	147	112	0			
4						0	40	110	0			
5						0	0	100	0			
6						0	0	100	0			
7						0	0	100	0			
8						0	0	97	0			
9						0	0	91	0			
10						0	0	91	0			
11						0	0	87	0			
12						0	76	80	0			
13						0	105	80	0			
14						0	112	81	0			
15						0	109	85	0			
16						0	117	89	0			
17						62	132	87	0			
18						74	137	86	0			
19						73	127	89	0			
20						107	123	89	0			
21						120	123	89	0			
22						127	121	89	0			
23						126	121	89	0			
24						127	120	87	0			
25						121	118	80	0			
26						118	108	80	0			
27						116	98	74	0			
28						117	91	64	0			
29		-----				134	91	61	0			
30		-----				150	91	58	0			
31		-----		-----		-----	91	33	-----		-----	
TOTAL						1,572	2,694	2,673	9.8			
MEAN						52.4	86.9	86.2	.33			
MAX						150	149	112	9.8			
MIN						0	0	33	0			
AC-FT						3,120	5,340	5,300	19			
YEAR 1994	MAX	150	MIN	0	AC-FT	13,780						

BIG BLUE RIVER BASIN

BIG BLUE RIVER at Surprise - 1994

LOCATION.--NW1/4NW1/4 Sec. 15-13-1 E., Butler County

GAGE.--Continuous stage recorder

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.

E indicates estimated daily discharge.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 10,700 cubic feet per second July 19, 1965, gage height 11.52 ft.
No flow during many years.EXTREMES FOR CURRENT YEAR.--Peak discharge 580 cubic feet per second March 6, gage height 4.20 ft., from high water mark.
Minimum daily discharge 2.6 cubic feet per second June 30.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.0E	7.0E	8.0E	9.3	15	8.8	3.9	10	4.8	8.7	8.0	8.8E
2	7.2E	7.4E	8.8E	9.0	12	8.4	4.3	8.4	4.5	8.3	8.6	7.2E
3	7.2E	7.8E	10 E	8.9	11	7.8	4.3	9.0	4.6	9.2	7.7	7.4E
4	6.4E	8.6E	15 E	9.4	10	7.8	33	10	6.6	9.5	8.2	7.2E
5	6.2E	8.8E	23 E	8.9	13	11	22	8.6	5.0	9.1	8.2	5.6E
6	5.8E	8.0E	450 E	8.5	81	11	12	7.0	4.7	10	8.5	5.0E
7	5.4E	7.0E	314	8.5	38	9.9	7.2	6.5	4.3	8.2	8.7	6.0E
8	4.4E	5.6E	224	9.3	27	9.2	9.5	15	4.7	8.2	8.9	6.6E
9	5.0E	4.6E	116	9.4	23	10	17	30	4.2	8.2	8.1	7.4E
10	6.0E	4.6E	56	8.4	34	10	11	32	4.2	8.1	8.5	13 E
11	6.8E	4.7E	38	9.9	26	10	8.2	22	4.3	8.1	8.5	7.0E
12	6.2E	4.7E	30	15	20	9.9	7.2	14	4.3	7.7	8.7	4.6E
13	6.6E	4.8E	24	22	15	8.4	26	9.3	4.8	8.6	9.2	4.0E
14	5.0E	5.4E	20	16	14	7.7	33	7.1	6.9	8.7	9.0	5.8E
15	4.3E	6.2E	17	11	13	7.1	27	7.6	4.6	8.7	7.7	7.0
16	4.6E	10 E	14	10	9.9	7.1	127	6.9	5.3	11	7.1	7.2
17	4.3E	12 E	13	10	9.0	7.1	91	6.3	6.5	13	7.8	7.3
18	4.2E	16 E	12	9.2	10	6.9	29	7.8	12	12	7.1	7.1
19	4.4E	18 E	12	9.3	11	6.6	32	8.3	12	13	6.2	7.8
20	5.0E	21 E	11	9.5	7.9	7.5	18	7.0	15	29	6.4	7.8
21	6.0E	17 E	10	9.1	8.0	7.9	14	6.9	13	17	17	8.1
22	7.0E	14 E	10	10	8.2	22	13	6.3	12	13	14	8.5
23	8.8E	11 E	10	12	8.0	78	9.1	6.9	8.9	6.2	9.7	8.1
24	10 E	9.0E	9.7	9.7	9.7	23	7.8	8.2	11	7.1	7.4	7.8
25	13 E	7.8E	9.4	10	9.9	8.2	7.4	7.4	12	7.0	6.4	8.0
26	11 E	7.6E	9.3	9.5	10	4.0	8.8	7.8	8.7	5.9	5.8	9.2
27	8.6E	7.4E	9.3	9.3	9.7	3.7	9.0	5.2	8.8	5.8	31	10
28	6.4E	7.6E	9.3	13	7.9	4.1	9.6	4.9	10	7.1	28	9.0
29	5.0E	-----	9.3	15	7.8	3.3	9.3	5.3	12	6.9	17 E	8.0E
30	5.8E	-----	9.3	17	7.5	2.6	9.0	6.3	14	6.9	13 E	7.0E
31	6.4E	-----	9.3	-----	7.5	-----	9.8	5.4	-----	8.0	-----	6.0E
TOTAL	200.0	253.6	1,520.7	326.1	494.0	329.0	629.4	303.4	233.7	298.2	310.4	229.5
MEAN	6.45	9.06	49.1	10.9	15.9	11.0	20.3	9.79	7.79	9.62	10.3	7.40
MAX	13	21	450	22	81	78	127	32	15	29	31	13
MIN	4.2	4.6	8.0	8.4	7.5	2.6	3.9	4.9	4.2	5.8	5.8	4.0
AC-FT	397	503	3,020	647	980	653	1,250	602	464	591	616	455
YEAR 1994	TOTAL	5,128.0	MEAN	14.0	MAX	450	MIN	2.6	AC-FT	10,170		

BIG BLUE RIVER BASIN

221

LINCOLN CREEK near Seward - 1994

LOCATION.--NW1/4NE1/4 Sec. 24-11-2 E., Seward County

GAGE.--Continuous stage recorder

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.

Summary totals are for entire calendar year.

E indicates estimated daily discharge.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 10,100 cubic feet per second June 17, 1957, gage height 20.53 feet.

Minimum daily discharge 1.3 cubic feet per second July 31, 1955.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,600 cubic feet per second June 23, gage height 15.81 feet.

Minimum daily discharge 15 cubic feet per second estimated January 30.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										23	24	45
2										23	24	35
3										23	24	35
4										22	24	33
5										23	24	31
6										24	24	33
7										23	24	34E
8										22	25	40E
9										22	24	55E
10										22	24	46E
11										23	23	28E
12										22	24	23E
13										23	24	28E
14										24	24	30E
15										24	23	30E
16										25	23	31E
17										25	23	31E
18										26	24	31E
19										25	22	32E
20										25	24	35E
21										25	60	36E
22										25	39	36E
23										24	33	30E
24										23	33	27E
25										23	29	31E
26										23	31	33E
27										24	46	34E
28										25	78	35E
29										25	84	35E
30										24	66	33E
31										24		28E
TOTAL										734	974	1,044
MEAN										23.7	32.5	33.7
MAX										26	84	55
MIN										22	22	23
AC-FT										1,460	1,930	2,070
YEAR 1994	TOTAL	19,373	MEAN	53.1	MAX	1,170	MIN	15	AC-FT	32,970		

BIG BLUE RIVER BASIN

BIG BLUE RIVER at Seward - 1994

LOCATION.--SE1/4SW1/4 Sec. 20-11-3 E., Seward County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1953 - present. Month discharge only for some periods, published in WSP 1730.

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1994.

Summary totals are for the entire calendar year.

E indicates estimated daily discharge.

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, 1955.EXTREMES FOR CURRENT YEAR.--Peak discharge 2,830 cubic feet per second June 24, gage height 17.25 feet.
Minimum daily discharge 35 cubic feet per second September 21.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										50E	62E	128
2										50E	62E	108
3										50E	62E	100
4										47E	63	93
5										52E	63	80E
6										66E	63	62E
7										62E	63	48E
8										58E	64	66E
9										58E	63	78E
10										60E	63	72E
11										66E	65	50E
12										62E	66	44E
13										66E	67	64E
14										64E	69	68E
15										68E	68	70E
16										68E	68	76E
17										70E	69	82
18										72E	71	82
19										66E	69	83
20										64E	77	86
21										66E	156	86
22										66E	195	85
23										62E	164	86
24										62E	124	86
25										60E	103	88
26										58E	94	91
27										58E	108	92
28										64E	193	93
29										62E	264	90E
30										62E	169	82E
31										62E	-----	74E
TOTAL										1,901	2,887	2,493
MEAN										61.3	96.2	80.4
MAX										72	264	128
MIN										47	62	44
AC-FT										3,770	5,730	4,940
YEAR 1994	TOTAL	49,439	MEAN	135	MAX	2,530	MIN	35	AC-FT	98,060		

BIG BLUE RIVER BASIN

223

TURKEY CREEK near Wilber - 1994

LOCATION.--NE1/4NE1/4 Sec. 19-6-4 E., Saline County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1959 - present

REMARKS.--Records published by U. S. Geological Survey up to Oct. 1, 1994.

Summary totals are for the entire calendar year.

E indicates estimated daily discharge.

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, 1976.EXTREMES FOR CURRENT YEAR.--Peak discharge 2,710 cubic feet per second May 8, gage height 14.18 feet.
Minimum daily discharge 8.3 cubic feet per second August 24.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										15E	14	22
2										16E	13	23
3										17E	13	23
4										18	14	22
5										17	14	21
6										25	14	17E
7										75	15	18E
8										29	14	18E
9										19	13	17E
10										15	13	16E
11										13	13	15E
12										13	13	17E
13										13	15	18
14										12	15	20
15										13	14	21
16										14	14	22
17										15	14	22
18										16	15	23E
19										15	15	23
20										15	18	23
21										14	74	29
22										13	201	30E
23										13	80	25E
24										12	44	23E
25										13	30	27E
26										12	25	28
27										13	23	28
28										14	33	28
29		-----								14	36	28
30		-----								14	25	27
31		-----		-----		-----			-----	14	-----	24E
TOTAL										531	854	698
MEAN										17.1	28.5	22.5
MAX										75	201	30
MIN										12	13	15
AC-FT										1,050	1,690	1,380
YEAR 1994	TOTAL	21,335.5	MEAN	58.4	MAX	2,080	MIN	8.3	AC-FT	42,310		

BIG BLUE RIVER BASIN

BIG BLUE RIVER at Beatrice - 1994

LOCATION.--SW1/4NW1/4 Sec. 3-3-6 E., Gage County

GAGE.--Continuous stage recorder

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.
Summary totals are for the entire calendar year.
E indicates estimated daily discharge.

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 4,820 cubic feet per second July 2, gage height 11.10 feet.
Minimum daily discharge 205 cubic feet per second estimated February 8-10.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										242	223	579
2										230	225	522
3										230	227	460
4										228	242	413
5										263	240	372
6										284	240	300E
7										321	234	240E
8										347	237	250E
9										328	235	280E
10										288	231	330E
11										254	230	300E
12										243	233	310E
13										237	235	300E
14										229	240	310E
15										229	244	320E
16										233	239	320E
17										271	246	330E
18										260	251	330E
19										258	248	340E
20										258	262	378
21										259	307	368
22										260	598	367
23										251	887	379
24										245	715	383
25										241	554	389
26										238	445	380
27										232	392	388
28										228	362	392
29		-----								227	386	388
30		-----								227	517	365
31		-----		-----		-----			-----	227	-----	351
TOTAL										7,868	9,925	11,134
MEAN										254	331	359
MAX										347	887	579
MIN										227	223	240
AC-FT										15,610	19,690	22,080
YEAR 1994	TOTAL	214,625	MEAN	588	MAX	4,010	MIN	205	AC-FT	425,700		

LITTLE BLUE RIVER BASIN

225

BIG SANDY CREEK at Alexandria - 1994

LOCATION.--SE1/4SE1/4 Sec. 11-3-1 W., Thayer County

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1979 - present

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

E indicates estimated daily discharge.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 21,900 cubic feet per second June 13, 1984, gage height 16.71 ft.

Minimum daily discharge 12 cubic feet per second February 10, 1994.

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,750 cubic feet per second May 6, gage height 10.02 feet.

Minimum daily discharge 12 cubic feet per second February 10.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1994

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	26E	16E	22E	17	36	31	49	38	27	23	23	25
2	26	17E	26E	16	35	57	177	36	27	22	24	25
3	26	19E	54	16	35	39	207	55	27	22	24	25
4	26	20E	262	16	35	35	150	110	26	22	23	25
5	26	22E	645	16	35	35	112	88	26	22	24	25
6	26	20E	599	16	1,430	35	81	78	26	23	24	24
7	20E	17E	365	16	330	34	67	62	26	22	25	25
8	16E	15E	239	16	114	34	63	76	26	22	24	25
9	14E	13E	163	16	69	35	53	64	26	21	24	25
10	14E	12E	116	16	50	35	50	46	25	21	24	26
11	14E	13E	85	16	43	35	48	39	26	21	23	25
12	16E	15E	64	20	38	34	44	35	26	21	24	25
13	26E	19E	51	55	35	34	51	31	27	21	23	25
14	23E	23E	43	87	35	34	71	29	28	21	23	25
15	21E	25E	38	55	34	33	68	27	29	21	23	25
16	17E	30	35	40	38	33	56	26	29	22	24	26
17	15E	30	33	34	35	34	47	25	28	22	24	25
18	14E	42	31	30	34	34	46	25	28	22	24	26
19	16E	112	29	29	32	34	45	33	27	22	23	26
20	14E	84	28	27	31	35	43	81	26	22	24	26
21	13E	57	27	130	30	35	42	51	25	22	25	26
22	14E	41	25	65	28	35	41	45	24	23	26	26
23	16E	30E	24	57	29	36	43	40	24	23	27	26
24	17E	25E	23	46	29	39	44	35	24	23	27	26
25	25	22E	22	38	29	40	46	31	23	22	26	26
26	29	25E	21	35	29	42	47	30	23	22	26	26
27	27E	25E	20	33	29	42	49	30	22	23	26	26
28	25E	25E	20	34	29	41	48	29	22	23	25	26
29	23E	-----	19	35	29	41	45	29	22	23	25	26
30	20E	-----	18	35	30	43	43	29	22	22	25	26
31	16E	-----	17	-----	31	-----	40	28	-----	22	-----	26
TOTAL	621	814	3,164	1,062	2,846	1,104	2,016	1,381	767	683	732	790
MEAN	20.0	29.1	102	35.4	91.8	36.8	65.0	44.5	25.6	22.0	24.4	25.5
MAX	29	112	645	130	1,430	57	207	110	29	23	27	26
MIN	13	12	17	16	28	31	40	25	22	21	23	24
AC-FT	1,230	1,610	6,280	2,110	5,650	2,190	4,000	2,740	1,520	1,350	1,450	1,570
YEAR 1994	TOTAL	15,980	MEAN	43.8	MAX	1,430	MIN	12	AC-FT	31,700		

INDEX

	<u>Page</u>
Ainsworth Canal.....	31
Alliance Canals.....	77, 79
Bartley Canal.....	202
Bayard Creek.....	76
Beaver Creek near Beaver City.....	210
Beaver Creek at Loretto.....	174
Beerline Canal.....	88
Belmont Canals.....	80, 89
Bennett-Kay Canal.....	13
Big Blue River at Surprise.....	220
Big Blue River at Seward.....	222
Big Blue River at Beatrice.....	224
Big Sandy Creek at Alexandria.....	225
Birdwood Canal.....	112
Birdwood Creek near Hershey.....	113
Blue Creek Canal.....	94
Blue Creek near Lewellen.....	98
Bow Creek near St. James.....	34
Box Butte Reservoir.....	21
Browns Creek Canal.....	83
Buffalo Creek (B-1) Reservoir Supply Canal.....	134
Burwell-Sumter Canal.....	168
Butterfly Creek nr Stanton.....	183
Calamus Reservoir.....	162
Cambridge Canal.....	207
Castle Rock-Steamboat Canal.....	69
Cedar River near Spalding.....	172
Center Creek at Franklin.....	214
Central Canal.....	65
Chimney Rock Canal.....	75
Cody-Dillon Canal.....	115
Clearwater Creek near Clearwater.....	177
Cook Canal No. 1.....	9
Court House Rock Canal.....	84
Courtland Canal.....	218
Cozad Canal.....	136
Culbertson Canal.....	196
Davis Creek Reservoir.....	166
Davis Creek Reservoir Inlet.....	165
Dawson County Canal.....	138
Dry Spotted Tail Creek at Mitchell.....	59
Earnest Canals.....	6, 7
Elkhorn River near Atkinson.....	175
Elkhorn River at Neligh.....	178
Elkhorn River, South Fork near Ewing.....	176
Elm Creek at Amboy.....	217
Elwood Reservoir.....	126
Empire Canal.....	81
Enterprise Canals.....	54 - 58
Excelsior Canal.....	17
Farwell Canals.....	151, 156, 157
Fort Laramie Canals.....	35, 36
Fox Creek at Curtis.....	203

INDEX

227

	<u>Page</u>
Franklin Canal.....	213
Franklin Pump Canal.....	216
Frenchman Creek near Enders.....	194
Frenchman Creek near Imperial.....	193
Fullerton Canal.....	167
Gering Canal.....	43
Gering Creek near Gering.....	68
Gothenburg Canal.....	133
Graf Canal.....	97
Haigler Canals and Spillback.....	187 - 189
Harlan County Reservoir near Republican City.....	211
Harris-Neece Canal.....	10
Harry Strunk Lake near Cambridge.....	205
Hitshew, George, Canal.....	15
Hooper Canal.....	95
Horse Creek near Lyman.....	52
Hugh Butler Lake near McCook.....	199
Hughes Canal.....	18
Interstate Canal.....	37
Jeffrey Power Return.....	125
Jeffrey Reservoir.....	124
Johnson Canal.....	4
Johnson Reservoir.....	127
Johnson Power Return.....	129
Kearney Canal and Power Return.....	141, 142
Keith-Lincoln County Canal.....	108
Keya Paha River near Naper.....	33
Kingsley Reservoir.....	100
LaBelle Canal.....	11
Lake Alice.....	38
Lake Minatare.....	40
Lakotah Canal.....	5
Last Chance Canal.....	85
Lichte Canal.....	24
Lincoln Creek near Seward.....	221
Lincoln County Drain No. 1.....	116
Lisco Canal from North Platte River.....	90
Little Lake Alice.....	39
Lodgepole Creek at Tomich Ranch.....	118
Lodgepole Creek below Oliver Reservoir.....	120
Logan Creek at Pender.....	185
Loup River Power Canal near Genoal.....	173
Maloney Reservoir.....	104
McGinley-Stover Canal.....	8
McLaughlin Canal.....	16
Medicine Creek above Harry Strunk Lake.....	204
Medicine Creek below Harry Strunk Lake.....	206
Meeker-Driftwood Canal.....	190
Meredith-Ammer Canal.....	86
Merritt Reservoir.....	29
Mettlen Canal.....	12
Middle Loup Canals (No. 1,2,3 and 4).....	146 - 150, 152
Middle Loup River at Arcadia.....	153

INDEX

	<u>Page</u>
Midland-Overland Canal.....	92
Minatare Canal.....	67
Minnechaduza Creek at Valentine.....	32
Mira Creek near North Loup.....	171
Mirage Flats Canal.....	25
Mirdan Canal.....	163
Mitchell and Gering Canal.....	42
Montague Canal.....	23
Moore-Kay Canal.....	14
Mud Creek near Sweetwater.....	154
Muddy Creek at Arapahoe.....	208
Naponee Canal.....	212
Nine Mile Canals.....	71, 72
Nine Mile Creek near McGrew.....	73
Niobrara River at Wyoming - Nebraska State Line.....	3
Niobrara River above Box Butte Reservoir.....	20
Niobrara River below Box Butte Reservoir.....	22
Niobrara River near Gordon.....	27
North Loup River at Ord.....	169
North Platte Canal.....	109
North Platte River at Bridgeport.....	82
North Platte River near Keystone.....	106
North Platte River near Lewellen.....	99
North Platte River at Lisco.....	91
North Platte River near Minatare.....	70
North Platte River at Mitchell.....	60
North Platte River at North Platte.....	117
North Platte River near Sutherland.....	111
North Platte River passing Tri-state Diversion Dam.....	51
Northport Canal.....	50
Oak Creek at Lincoln.....	186
Oliver Reservoir.....	119
Orchard-Alfalfa Canal.....	137
Ord-North Loup Canal.....	170
Paisley Canal.....	93
Paxton-Hershey Canal.....	110
Pebble Creek at Scribner.....	184
Phelps County Canal.....	128
Pioneer Canal.....	19
Platte River at Brady.....	131
Platte River near Cozad.....	139
Platte River near Odessa.....	143
Platte River near Overton.....	140
Platte River below Tri-County Diversion Dam.....	130
Potmesil Canal.....	26
Pumpkin Creek near Bridgeport.....	87
Red Willow Canal.....	201
Red Willow Creek near Bayard.....	78
Red Willow Creek above Hugh Butler Lake.....	198
Red Willow Creek near McCook.....	200
Republican River at	
Trenton.....	192
Riverside Canal.....	197

INDEX

229

	<u>Page</u>
Sargent Canal.....	145
Scotia Canal.....	164
Sheep Creek near Morrill.....	53
Sherman Reservoir.....	155
Short Line Canal.....	74
Six Mile Canal.....	135
Snake River at Doughboy.....	28
Snake River near Burge.....	30
South Platte River at North Platte.....	122
South Platte Supply Canal (Korty Canal).....	102
Suburban Canal.....	114
Superior Canal.....	219
Sutherland Canal.....	101
Sutherland Reservoir.....	103
Sutherland Power Return.....	105
Stinking Water Creek near Palisade.....	195
Swanson Lake near Trenton.....	191
Taylor-Ord Canal.....	159 - 161
Thirty Mile Canal.....	132
Thompson Creek at Riverton.....	215
Tri-County Canal.....	123
Tri-State Canals.....	44 - 49
Tub Springs near Scottsbluff.....	61
Turkey Creek near Dannebrog.....	158
Turkey Creek at Edison.....	209
Turkey Creek near Wilber.....	223
Union Canal.....	96
Union Creek at Madison.....	182
Western Canal.....	121
White River at Crawford.....	1
White Tail Creek near Keystone.....	107
Whitney Reservoir.....	2
Willow Creek near Foster.....	179
Willow Creek near Pierce.....	181
Willow Creek Reservoir.....	180
Winters Creek Canals.....	62 - 64
Winters Creek Lake.....	41
Winters Creek near Scottsbluff.....	66
Wood River near Alda.....	144