

**1990-1991**

**HYDROGRAPHIC REPORT**

**STATE OF NEBRASKA**

**DEPARTMENT OF WATER RESOURCES**



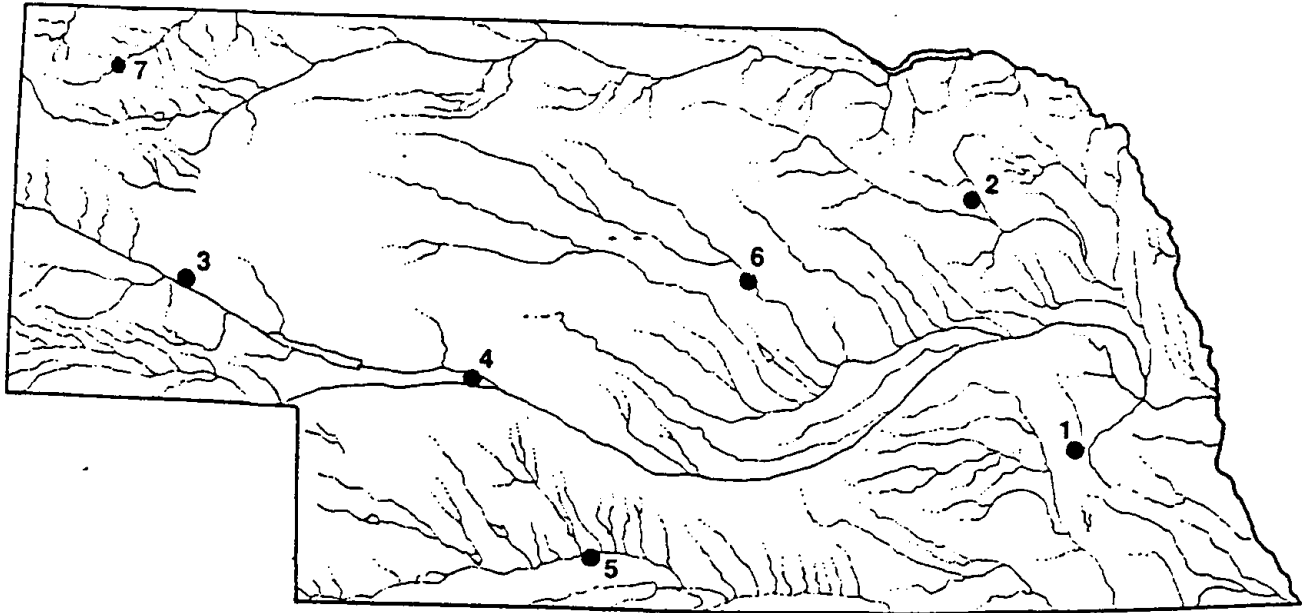
**STATE OF NEBRASKA**

**DEPARTMENT OF WATER RESOURCES**

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

**1990 - 1991**

**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

## TABLE OF CONTENTS

	<u>Page</u>
Introduction and Explanation of Data . . . . .	iii-iv
Daily Discharge of rivers, Streams and Canals . . . . . and Storage in Reservoirs not Published by the U.S. Geological Survey, 1990	1-176
Daily Discharge of rivers, Streams and Canals . . . . . and Storage in Reservoirs not Published by the U.S. Geological Survey, 1991	177-349
Index . . . . .	350-353

# HYDROGRAPHIC REPORT

1990 - 1991

## INTRODUCTION and EXPLANATION OF DATA

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

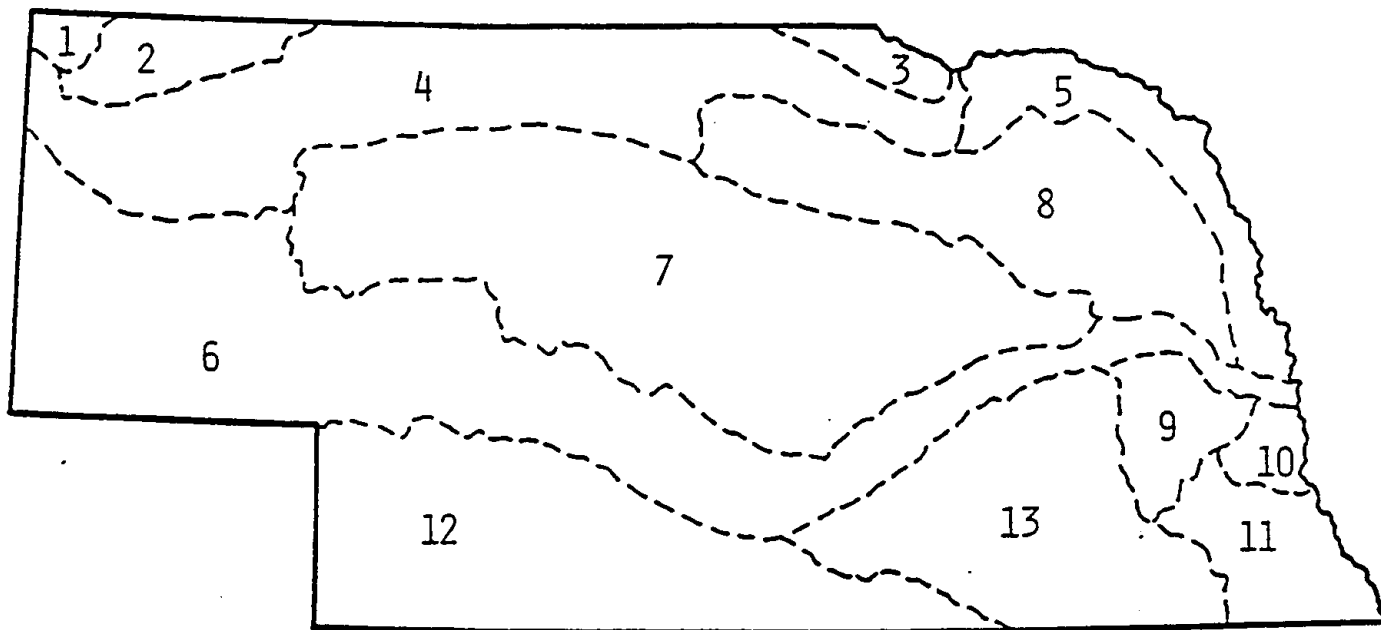
The Hydrographic Report for calendar years 1990 and 1991 provides a record of streamflow, diversions for irrigation, power, and reservoir storage in Nebraska in accordance with the Department of Water Resources statutory authority granted under Statutes 46-212, 46-227, and 46-234. The data presented includes 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, monthly and annual discharge values and reservoir storage totals are expressed in acre-feet. The 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 and type of gage and locations of gage sites, by legal coordinates of Section, Township, and Range, East or West, of the 6th Principal Meridian, . Canal gages are located as close as possible to the point of diversion from rivers and streams. Stations are listed in order from upstream to downstream according to the river basin map on the next page. Copies of the Hydrographic Report can be obtained by contacting the Nebraska Department of Water Resources, P.O. Box 94676, Lincoln, Nebraska 68509-4676.

The Water Resources Data for Nebraska, published by the U. S. Geological Survey, includes stream and river data for gaging stations operated by the 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 or the Department of Water Resources.

Records from this and previous years publications are also provided to the Nebraska Natural Resources Commission's computerized Data Bank. Information can be obtained by contacting the Data Bank Administrator, Nebraska Natural Resources Commission, P.O. Box 94876, Lincoln, Nebraska 68509-4876.



Date 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)
5. 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

**1990**

**HYDROGRAPHIC REPORT**

# W H I T E R I V E R B A S I N

SOLDIER CREEK below Carter P. Johnson Reservoir - 1990

LOCATION.--SE1/4SW1/4 SEC. 12-31-53 W. near Crawford

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1989 - 1990

REMARKS.--Estimated discharge Jan. 1 - 16, Feb. 1, 13 - 17,  
Feb. 19, Apr. 3 - 13  
Station discontinued April 14, 1990

Day	Jan	Feb	Mar	Apr
1	2.7	2.4	2.4	2.2
2	2.8	2.5	2.2	2.1
3	2.8	2.5	2.1	2.2
4	2.8	2.5	2.1	2.3
5	2.7	2.6	2.0	2.4
6	2.7	2.6	4.7	2.5
7	2.7	2.7	7.0	2.6
8	2.6	2.7	2.3	2.7
9	2.6	2.7	2.5	2.8
10	2.6	2.7	2.2	3.0
11	2.5	2.8	2.3	3.2
12	2.5	2.8	2.5	3.4
13	2.5	2.7	2.6	3.6
14	2.4	2.8	2.6	
15	2.4	2.8	2.8	
16	2.4	2.8	2.9	
17	2.3	2.8	2.3	
18	2.4	2.4	2.3	
19	2.4	2.4	2.3	
20	2.5	2.5	2.3	
21	2.5	2.5	2.8	
22	2.6	2.7	3.1	
23	2.5	2.6	2.7	
24	2.4	2.5	2.6	
25	2.4	2.5	2.6	
26	2.5	2.4	2.5	
27	2.5	2.4	2.7	
28	2.3	2.4	2.8	
29	2.5	-----	2.6	
30	2.4	-----	2.4	
31	2.4	-----	2.3	-----
TOTAL	78.3	72.7	83.5	35.0
MEAN	2.53	2.60	2.69	2.69
MAX	2.8	2.8	7.0	3.6
MIN	2.3	2.4	2.0	2.1
AC-FT	155	144	166	69



## WHITE RIVER BASIN

WHITNEY RESERVOIR from White River - 1990

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 (Acre-feet)	Contents
December 18, 1989 .....	5,400
January 2, 1990 .....	6,000
January 16, 1990 .....	6,540
February 1, 1990 .....	7,130
March 1, 1990 .....	8,320
March 19, 1990 .....	9,260
April 2, 1990 .....	9,890
April 18, 1990 .....	10,300
May 7, 1990 .....	10,520
May 23, 1990 .....	10,520
June 4, 1990 .....	10,340
July 2, 1990 .....	10,160
July 26, 1990 .....	7,150
August 13, 1990 .....	6,560
August 29, 1990 .....	5,580
September 13, 1990 .....	4,280
September 27, 1990 .....	4,050
October 22, 1990 .....	4,190
November 19, 1990 .....	4,890
December 7, 1990 .....	5,430

# N I O B R A R A   R I V E R   B A S I N

JOHNSON CANAL from Niobrara River - 1990

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.--Estimated discharge May 1

Day	May	Jun
1	1.7	.73
2	1.7	.73
3	1.6	.73
4	1.5	.68
5	1.4	.60
6	1.3	.58
7	1.2	1.3
8	1.2	1.9
9	1.3	1.9
10	1.4	2.0
11	1.4	2.0
12	1.4	2.0
13	1.4	2.1
14	1.3	2.1
15	1.4	2.1
16	1.4	2.5
17	1.3	2.6
18	1.2	1.3
19	1.1	.07
20	1.1	0
21	1.0	0
22	.98	0
23	.90	0
24	.86	0
25	.83	0
26	.82	0
27	.77	0
28	.75	0
29	.75	0
30	.75	0
31	.73	-----
TOTAL	36.44	27.92
MEAN	1.18	.93
MAX	1.7	2.6
MIN	.73	0
AC-FT	72	55

SUMMARY 1990.--AC-FT    128

## N I O B R A R A R I V E R B A S I N

LAKOTAH CANAL from Niobrara River - 1990

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.--No gage height record Aug. 17-20, Oct. 31, Nov. 1-21  
Estimated discharges Apr. 26-30, May 1, Aug. 16, 21

Day	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
1	0	3.9	2.3	.73	1.0	1.0	1.4	2.6
2	0	3.9	2.4	.68	1.1	1.1	1.5	2.6
3	0	3.8	2.4	.61	1.1	1.0	1.5	2.7
4	0	3.6	2.4	.59	1.1	1.1	1.5	2.8
5	0	3.4	2.2	.54	1.1	.99	1.6	2.8
6	0	3.4	2.0	.53	1.1	1.0	1.6	2.9
7	0	3.4	1.8	.54	1.1	.99	1.6	3.0
8	0	3.4	.95	.54	1.1	1.0	1.7	3.1
9	0	3.6	.51	.53	1.1	1.1	1.8	3.2
10	0	3.7	.43	.61	1.0	1.1	1.8	3.2
11	0	3.5	.37	.61	.99	1.2	1.9	3.3
12	0	3.6	.38	.68	1.0	1.1	2.1	3.4
13	0	3.4	.38	.76	1.1	1.1	2.2	3.5
14	0	3.2	.34	.71	.99	1.1	2.1	3.5
15	0	3.3	.34	.68	1.0	1.2	2.1	3.6
16	0	3.3	.41	.66	1.0	1.2	2.1	3.2
17	0	3.1	.63	.66	1.0	1.3	2.1	3.0
18	0	3.0	.58	.68	1.0	1.3	2.1	2.5
19	0	2.9	1.2	.67	1.0	1.3	2.2	2.0
20	0	3.0	1.3	.73	1.0	1.3	2.1	1.0
21	0	2.8	1.3	.83	.99	1.4	2.2	.50
22	0	2.7	1.4	.90	.99	1.5	2.3	0
23	0	2.6	1.3	.91	1.0	1.6	2.3	0
24	0	2.5	1.3	1.0	1.0	1.5	2.3	0
25	0	2.5	1.3	1.1	.94	1.5	2.3	0
26	.50	2.5	1.2	1.1	.97	1.5	2.3	0
27	1.5	2.5	1.2	1.1	.99	1.4	2.4	0
28	2.0	2.4	1.1	1.0	.99	1.3	2.4	0
29	2.5	2.4	.94	.99	.97	1.4	2.4	0
30	3.0	2.4	.79	.97	.97	1.5	2.4	0
31	-----	2.4	-----	.97	.99	-----	2.5	-----
TOTAL	9.50	96.1	35.15	23.61	31.68	37.08	62.8	58.40
MEAN	.32	3.10	1.17	.76	1.02	1.24	2.03	1.95
MAX	3.0	3.9	2.4	1.1	1.1	1.6	2.5	3.6
MIN	0	2.4	.34	.53	.94	.99	1.4	0
AC-FT	19	191	70	47	63	74	125	116

SUMMARY 1990.--AC-FT 703

# NIOBRARA RIVER BASIN

EARNEST CANAL (SOUTH) from Niobrara River - 1990

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

REMARKS.--Estimated discharges Apr. 28-30, May 1

Day	Apr	May	Jun	Jul	Aug	Sep	Oct
1	0	1.9	2.6	0	0	0	1.2
2	0	1.9	2.6	0	0	0	1.2
3	0	1.8	2.5	0	0	0	1.2
4	0	1.8	2.4	0	0	0	.29
5	0	1.8	2.3	0	0	0	0
6	0	1.8	1.8	0	0	0	0
7	0	1.8	1.1	0	0	0	0
8	0	1.8	.67	0	0	0	0
9	0	1.9	.73	0	0	0	0
10	0	1.9	.62	0	0	0	0
11	0	1.9	.41	0	0	0	0
12	0	1.9	0	0	0	0	0
13	0	1.9	0	0	0	0	0
14	0	1.8	0	0	0	0	0
15	0	1.9	0	0	0	0	0
16	0	2.2	0	0	0	0	0
17	0	2.4	0	0	0	0	0
18	0	2.5	0	0	0	0	0
19	0	2.6	0	0	0	0	0
20	0	2.7	0	0	0	0	0
21	0	2.8	0	0	0	0	0
22	0	3.0	0	0	0	.24	0
23	0	3.0	0	0	0	.65	0
24	0	2.9	0	0	0	.88	0
25	0	3.0	0	0	0	1.2	0
26	0	2.8	0	0	0	1.2	0
27	0	2.7	0	0	0	1.2	0
28	.50	2.6	0	0	0	1.2	0
29	1.0	2.5	0	0	0	1.2	0
30	1.5	2.5	0	0	0	1.2	0
31	-----	2.6	-----	0	0	-----	0
TOTAL	3.00	70.6	17.73	0	0	8.97	3.89
MEAN	.10	2.28	.59	0	0	.30	.13
MAX	1.5	3.0	2.6	0	0	1.2	1.2
MIN	0	1.8	0	0	0	0	0
AC-FT	6.0	140	35	0	0	18	7.7

SUMMARY 1990.--AC-FT            207

## NIOBRARA RIVER BASIN

EARNEST CANAL (NORTH) from Niobrara River - 1990

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

REMARKS.--No gage height record Apr. 28-30, May 1, Sep. 16-18  
Estimated discharges Sep. 24-25

Day	Apr	May	Jun	Jul	Aug	Sep
1	0	1.8	2.2	1.3	0	0
2	0	1.8	2.2	1.1	0	0
3	0	1.7	2.1	1.0	0	0
4	0	1.8	2.1	.91	0	0
5	0	1.8	2.0	.82	0	0
6	0	1.8	2.1	.73	0	.13
7	0	1.8	2.4	.21	0	.74
8	0	1.7	3.0	0	0	1.3
9	0	1.8	3.1	0	0	1.6
10	0	1.9	3.1	0	0	1.7
11	0	1.9	2.9	0	0	1.8
12	0	2.0	2.8	0	0	1.7
13	0	1.9	2.8	0	0	1.5
14	0	1.8	2.5	0	0	1.4
15	0	1.9	1.7	0	0	1.4
16	0	2.1	1.8	0	0	1.5
17	0	2.2	2.2	0	0	1.5
18	0	2.1	2.6	0	0	1.4
19	0	2.0	2.9	0	0	1.5
20	0	2.0	2.8	0	0	1.8
21	0	2.0	2.8	0	0	1.9
22	0	2.0	2.8	0	0	1.8
23	0	2.0	2.6	0	0	.88
24	0	2.5	2.5	0	0	.20
25	0	2.9	2.3	0	0	.20
26	0	2.1	2.2	0	0	0
27	0	2.1	2.1	0	0	0
28	.50	2.0	2.0	0	0	0
29	1.0	2.0	1.8	0	0	0
30	1.5	2.0	1.5	0	0	0
31	-----	2.1	-----	0	0	-----
TOTAL	3.00	61.5	71.9	6.07	0	25.95
MEAN	.10	1.98	2.40	.20	0	.87
MAX	1.5	2.9	3.1	1.3	0	1.9
MIN	0	1.7	1.5	0	0	0
AC-FT	6.0	122	143	12	0	51

SUMMARY 1990.--AC-FT 334

# N I O B R A R A   R I V E R   B A S I N

McGINLEY-STOVER CANAL from Niobrara River - 1990

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

Day	May	Jun
1	0	3.7
2	0	3.8
3	0	3.5
4	0	3.6
5	0	3.4
6	0	3.4
7	0	3.6
8	0	3.1
9	.30	2.9
10	1.4	2.8
11	1.5	2.7
12	1.5	2.6
13	1.5	2.7
14	1.5	2.6
15	1.8	3.4
16	2.3	3.6
17	2.6	3.1
18	3.8	2.7
19	4.2	2.3
20	4.4	2.2
21	4.9	2.2
22	4.5	3.2
23	4.5	3.8
24	4.4	1.6
25	4.2	0
26	4.1	0
27	4.2	0
28	3.9	0
29	4.1	0
30	4.2	0
31	3.9	-----
TOTAL	73.70	72.5
MEAN	2.38	2.42
MAX	4.9	3.8
MIN	0	0
AC-FT	146	144

SUMMARY 1990.--AC-FT            290

## N I O B R A R A R I V E R B A S I N

COOK CANAL NO. 1 from Niobrara River - 1990

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

GAGE.--Continuous stage recorder and concrete flume

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

REMARKS.--Missing or poor gage height record May 5 - 21

Day	May	Jun	Jul	Aug	Sep	Oct
1	0	0	0	0	0	2.4
2	0	0	0	0	0	2.1
3	0	0	0	0	0	2.1
4	0	0	0	0	0	2.1
5	1.0	0	0	0	0	2.2
6	2.0	0	0	0	0	2.2
7	3.0	0	0	0	0	2.4
8	3.6	0	0	0	0	2.6
9	3.5	0	0	0	0	2.7
10	3.4	0	0	0	0	2.2
11	3.3	0	0	0	0	2.0
12	3.2	0	0	0	0	2.1
13	3.2	0	0	0	0	1.9
14	3.2	0	0	0	0	1.8
15	3.2	0	0	0	0	1.9
16	3.1	0	0	0	0	1.9
17	3.0	0	0	0	0	2.1
18	2.5	0	0	0	.44	2.2
19	2.0	0	0	0	1.9	2.8
20	1.5	0	0	0	2.1	3.1
21	1.0	0	0	0	2.1	3.4
22	0	0	0	0	2.2	3.4
23	0	0	0	0	2.3	3.3
24	0	0	0	0	2.4	2.6
25	0	0	0	0	2.4	2.5
26	0	0	0	0	2.4	2.4
27	0	0	0	0	2.4	2.4
28	0	0	0	0	2.4	2.4
29	0	0	0	0	2.4	2.4
30	0	0	0	0	2.5	2.4
31	0	-----	0	0	-----	1.5
TOTAL	45.7	0	0	0	27.94	73.5
MEAN	1.47	0	0	0	.93	2.37
MAX	3.6	0	0	0	2.5	3.4
MIN	0	0	0	0	0	1.5
AC-FT	91	0	0	0	55	146

SUMMARY 1990.--AC-FT 292

# N I O B R A R A   R I V E R   B A S I N

HARRIS-NEECE CANAL from Niobrara River - 1990

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

REMARKS.--No gage height record May 1-7  
Estimated discharge May 8

Day	May	Jun	Jul	Aug	Sep
1	2.0	2.5	4.2	7.9	6.1
2	3.0	8.3	5.9	7.4	6.0
3	4.0	8.6	5.6	1.4	6.2
4	5.0	8.7	5.6	1.0	6.4
5	6.0	8.6	5.5	1.4	6.2
6	7.0	8.4	5.4	0	7.5
7	8.0	8.0	5.3	3.1	7.4
8	8.0	8.0	5.3	8.1	7.7
9	8.5	8.1	5.7	7.9	8.5
10	8.4	7.5	6.0	7.2	7.3
11	8.3	7.1	6.2	7.0	6.8
12	8.2	6.9	6.7	8.1	2.0
13	8.1	7.0	6.6	8.7	1.0
14	7.9	6.9	6.7	8.8	0
15	7.6	6.9	6.6	8.7	0
16	7.7	7.1	6.7	8.4	0
17	7.8	7.6	6.3	8.5	0
18	7.0	7.6	6.0	8.5	0
19	8.2	7.2	6.0	8.4	0
20	9.8	7.2	6.9	7.8	0
21	11	7.3	7.4	7.5	0
22	11	7.6	7.9	7.5	0
23	11	7.9	8.2	7.5	0
24	11	7.5	8.5	7.3	0
25	11	7.2	8.3	7.0	0
26	11	7.6	8.1	6.7	0
27	11	8.1	7.9	6.8	0
28	11	2.9	7.7	7.0	0
29	11	1.3	7.4	6.7	0
30	8.4	1.0	7.4	6.5	0
31	0	-----	7.8	6.3	-----
TOTAL	247.9	206.6	205.8	205.1	79.1
MEAN	8.00	6.89	6.64	6.62	2.64
MAX	11	8.7	8.5	8.8	8.5
MIN	0	1.0	4.2	0	0
AC-FT	492	410	408	407	157

SUMMARY 1990.--AC-FT      1,870



## N I O B R A R A R I V E R B A S I N

LABELLE CANAL from Niobrara River - 1990

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

REMARKS.--Estimated discharges Oct. 26-31, Nov. 8-14

Day	Oct	Nov
1	0	3.6
2	0	4.1
3	0	4.9
4	0	5.4
5	0	5.8
6	0	6.2
7	0	6.2
8	0	5.4
9	0	4.6
10	0	3.9
11	0	3.1
12	0	2.3
13	0	1.5
14	0	.70
15	0	0
16	0	0
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	0	0
24	0	0
25	0	0
26	.60	0
27	1.2	0
28	1.7	0
29	2.3	0
30	2.9	0
31	3.5	-----
TOTAL	12.20	57.70
MEAN	.39	1.92
MAX	3.5	6.2
MIN	0	0
AC-FT	24	114

SUMMARY 1990.--AC-FT 139

# N I O B R A R A   R I V E R   B A S I N

METTLEN CANAL from Niobrara River - 1990

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

REMARKS.--No gage height record May 16-21, 23-31, June 1-4, 6-11, 13  
 Estimated discharges May 22, 29, June 5, 12, 14

Day	May	Jun	Jul	Aug	Sep
1	0	3.6	3.5	0	1.9
2	0	3.5	3.3	0	1.7
3	0	3.4	1.9	0	1.5
4	0	3.3	1.7	.27	1.4
5	0	3.2	2.1	.41	1.4
6	0	3.1	2.3	.45	3.0
7	0	3.0	2.3	.50	2.7
8	0	2.9	3.0	.67	2.4
9	0	2.8	2.3	4.6	2.3
10	0	2.6	2.5	8.0	2.5
11	0	2.5	4.0	3.7	3.1
12	0	2.4	3.7	4.2	3.2
13	0	2.6	2.3	3.8	4.3
14	0	2.8	2.1	3.2	5.5
15	0	2.8	2.7	3.5	3.4
16	1.0	1.3	2.3	3.1	.02
17	2.0	0	1.5	2.9	0
18	2.0	0	2.2	3.0	0
19	3.0	0	2.7	2.7	0
20	3.5	0	3.7	2.7	0
21	4.0	0	1.8	2.5	0
22	4.2	0	1.7	.06	0
23	4.2	0	2.2	0	0
24	4.1	0	2.7	0	0
25	4.0	0	2.5	0	0
26	4.0	.79	2.5	0	0
27	4.0	2.8	2.5	0	0
28	3.9	2.2	2.5	0	0
29	3.9	2.8	3.7	0	0
30	3.8	3.4	2.6	.30	0
31	3.8	-----	0	1.7	-----
TOTAL	55.4	57.79	76.8	52.26	40.32
MEAN	1.79	1.93	2.48	1.69	1.34
MAX	4.2	3.6	4.0	8.0	5.5
MIN	0	0	0	0	0
AC-FT	110	115	152	104	80

SUMMARY 1990.--AC-FT            560

## NIOBRARA RIVER BASIN

BENNETT-KAY CANAL from Niobrara River - 1990

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1958 - present

REMARKS.--Estimated discharge, May 6 &amp; 7. No gage height record May 8, 12 - 15.

Day	May	Jun
1	0	0
2	0	.24
3	0	4.8
4	0	0
5	0	0
6	1.0	0
7	2.0	0
8	3.6	0
9	3.6	0
10	3.5	0
11	3.5	0
12	3.4	0
13	3.4	0
14	3.4	0
15	3.4	0
16	1.5	0
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	0	0
24	0	0
25	0	0
26	0	0
27	0	0
28	0	0
29	0	0
30	0	0
31	0	-----
TOTAL	32.3	5.04
MEAN	1.04	.17
MAX	3.6	4.8
MIN	0	0
AC-FT	64	10

SUMMARY 1990.--AC-FT 74

# N I O B R A R A   R I V E R   B A S I N

MOORE - KAY CANAL from Niobrara River - 1990

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

REMARKS.--Missing gage height record May 3 - 7, Aug. 27 - 29  
Estimated discharges May 8, July 9, 10

Day	May	Jun	Jul	Aug
1	0	0	0	2.1
2	0	0	0	2.3
3	.10	0	0	1.9
4	.10	0	0	1.0
5	.10	0	0	4.0
6	.10	0	0	3.4
7	.10	0	0	0
8	.18	0	.05	0
9	.42	0	.60	0
10	.40	0	1.4	0
11	.31	0	.65	0
12	.09	0	.26	0
13	.02	0	.38	0
14	0	0	.68	0
15	0	0	1.0	0
16	0	0	1.3	0
17	0	0	.95	0
18	0	0	.71	0
19	0	0	1.5	0
20	0	0	2.6	0
21	0	0	3.3	0
22	0	0	2.5	2.0
23	0	0	2.0	1.0
24	0	0	1.8	1.0
25	0	0	1.6	0
26	0	0	1.6	0
27	0	0	1.6	0
28	0	0	1.5	0
29	0	0	1.5	0
30	0	0	1.7	0
31	0	-----	2.0	0
TOTAL	1.92	0	33.18	18.7
MEAN	.062	0	1.07	.60
MAX	.42	0	3.3	4.0
MIN	0	0	0	0
AC-FT	3.8	0	66	37

SUMMARY 1990.--AC-FT      107

## N I O B R A R A R I V E R B A S I N

GEO. HITSHEW CANAL from Niobrara river - 1990

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

REMARKS.--No gage height record July 27 - Aug. 8 & Aug. 11 - 15  
Estimate discharges July 26, Aug. 23

Day	Jun	Jul	Aug
1	.73	.42	.59
2	1.7	.29	.73
3	2.1	0	.87
4	1.4	0	1.0
5	.81	0	1.2
6	.79	0	1.3
7	.89	0	1.4
8	.83	0	1.6
9	.73	0	1.3
10	.69	0	1.2
11	.63	0	1.2
12	.61	0	1.0
13	.60	0	.91
14	.57	0	.82
15	.59	0	.72
16	.69	0	.66
17	.83	0	.54
18	.84	0	.59
19	.87	0	.52
20	.90	.23	.46
21	1.2	.77	.40
22	1.1	.52	.43
23	1.1	.43	2.9
24	.97	.46	3.0
25	.99	.49	2.4
26	.90	.49	1.5
27	.88	.50	1.3
28	.78	.52	1.2
29	.60	.54	1.1
30	.54	.56	.68
31	-----	.58	0
TOTAL	26.86	6.80	33.52
MEAN	.90	.22	1.08
MAX	2.1	.77	3.0
MIN	.54	0	0
AC-FT	53	13	66

SUMMARY 1990.--AC-FT 133

# N I O B R A R A R I V E R B A S I N

McLAUGHLIN CANAL from Niobrara River - 1990

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

REMARKS.--Estimated discharge Aug. 23

Day	Jun	Jul	Aug
1	0	2.9	0
2	0	2.7	0
3	0	2.4	0
4	0	2.5	0
5	0	2.6	0
6	0	2.5	0
7	0	2.1	0
8	0	2.4	0
9	0	3.0	0
10	0	3.6	0
11	2.4	3.5	0
12	4.7	3.2	0
13	4.4	2.9	0
14	3.9	2.6	0
15	3.9	2.7	0
16	4.3	3.1	0
17	4.6	2.7	0
18	4.8	2.2	0
19	4.8	2.5	0
20	4.9	3.8	0
21	5.4	5.0	0
22	5.3	4.6	0
23	5.0	3.3	1.5
24	4.7	.78	4.0
25	4.5	.04	4.1
26	4.3	0	1.2
27	4.0	0	.43
28	3.7	0	.40
29	3.4	0	.13
30	3.2	0	0
31	-----	0	0
TOTAL	86.2	69.62	11.76
MEAN	2.87	2.25	.38
MAX	5.4	5.0	4.1
MIN	0	0	0
AC-FT	171	138	23

SUMMARY 1990:--AC-FT            332

## N I O B R A R A   R I V E R   B A S I N

EXCELSIOR CANAL from Niobrara River - 1990

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

REMARKS.--Estimated values Apr. 23 - May 10

Day	Apr	May	Jun	Jul	Aug
1	0	10	5.2	1.3	0
2	0	10	4.8	.92	0
3	0	10	5.2	0	0
4	0	10	6.6	0	0
5	0	10	6.9	0	0
6	0	10	6.2	0	0
7	0	10	5.7	0	0
8	0	10	4.8	0	0
9	0	10	4.4	0	0
10	0	11	4.2	0	0
11	0	9.8	3.7	0	0
12	0	9.2	2.8	0	.47
13	0	8.9	3.3	0	1.0
14	0	8.7	3.2	0	.85
15	0	8.5	3.1	0	.77
16	0	8.5	3.1	0	.72
17	0	8.1	3.5	0	.47
18	0	8.0	3.3	0	0
19	0	7.6	3.4	0	0
20	0	7.8	3.5	0	0
21	0	8.0	3.8	.02	0
22	0	8.0	3.6	0	0
23	5.0	7.6	3.3	0	0
24	10	7.0	3.1	0	0
25	10	6.8	2.8	0	.02
26	10	6.5	2.8	0	0
27	10	6.3	2.3	0	0
28	10	6.2	1.9	0	0
29	10	5.8	1.7	0	0
30	10	6.0	1.5	0	0
31	-----	5.8	-----	0	0
TOTAL	75.0	260.1	113.7	2.24	4.30
MEAN	2.50	8.39	3.79	.072	.14
MAX	10	11	6.9	1.3	1.0
MIN	0	5.8	1.5	0	0
AC-FT	149	516	226	4.4	8.5

SUMMARY 1990.--AC-FT      903

# N I O B R A R A R I V E R B A S I N

HUGHES CANAL from Niobrara River - 1990

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

REMARKS.--No gage height record May 1 - 9  
 Estimated discharges May 10, July 5, 16 - 20, 23 - 25

Day	May	Jun	Jul
1	.40	0	0
2	.80	0	0
3	1.2	0	0
4	1.6	0	0
5	2.0	0	.21
6	2.3	0	.21
7	2.7	0	.21
8	3.1	0	.18
9	3.5	0	.16
10	3.9	0	.17
11	3.6	0	.17
12	3.0	0	.17
13	2.7	0	.16
14	2.7	0	.14
15	2.5	0	.12
16	2.3	0	0
17	1.8	0	0
18	.07	0	0
19	0	0	0
20	0	0	0
21	0	0	.20
22	0	0	.44
23	0	0	.50
24	0	0	.40
25	0	0	.30
26	0	0	.20
27	0	0	0
28	0	0	0
29	0	0	0
30	0	0	0
31	0	-----	0
TOTAL	40.17	0	3.94
MEAN	1.30	0	.13
MAX	3.9	0	.50
MIN	0	0	0
AC-FT	80	0	7.8

SUMMARY 1990.--AC-FT            87



## N I O B R A R A R I V E R B A S I N

PIONEER CANAL from Niobrara River - 1990

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

REMARKS.--Missing gage height record May 2 - 9  
Estimated discharge May 10

Day	May
1	0
2	.50
3	1.0
4	1.5
5	2.0
6	3.0
7	4.0
8	5.0
9	5.5
10	5.7
11	5.8
12	5.9
13	5.9
14	5.9
15	6.1
16	6.1
17	6.2
18	6.3
19	6.4
20	6.4
21	6.3
22	6.2
23	6.0
24	5.4
25	.67
26	0
27	0
28	0
29	0
30	0
31	0
TOTAL	113.77
MEAN	3.67
MAX	6.4
MIN	0
AC-FT	226

SUMMARY 1990.--AC-FT 226

# N I O B R A R A R I V E R B A S I N

BOX BUTTE RESERVOIR from Niobrara River - 1990

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

GAGE.--Reference point

PERIOD OF RECORD.--1946 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1								6,040				
2								5,859				
3												
4							12,377					
5							12,024	5,543				
6							11,790		4,428			
7						12,540	11,407					7,287
8							10,939	4,910				
9												
10	5,214				11,874							
11							10,045					
12		6,614	8,570	10,849				4,235		5,526		
13								4,008				
14						12,550		4,013			6,633	
15								4,054				
16							8,385					
17							8,218	3,947				
18												
19							7,610					
20							7,789					7,710
21						12,550	7,782					
22		7,049					7,753					
23							7,696	4,157				
24				11,482	12,301		7,645		4,965			
25	5,853						7,468			5,919		
26			9,762								6,968	
27												
28		7,710				12,531	6,653					
29		-----	9,924					5,075				
30		-----		11,677		12,511			6,070	7,082		
31	6,242	-----		-----	12,482	-----	6,119	4,465	-----	-----	-----	8,046

## N I O B R A R A R I V E R B A S I N

MONTAGUE CANAL from Niobrara River - 1990

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

CALENDAR YEAR 1990.--A. F. 0

# N I O B R A R A   R I V E R   B A S I N

LICHTE CANAL from Niobrara River - 1990

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

REMARKS.--Missing gage height record May 1 - 9  
Estimated discharge May 10

Day	May	Jun	Jul
1	.50	2.0	0
2	1.0	0	.09
3	1.5	0	1.6
4	2.0	0	1.7
5	2.5	2.4	3.2
6	3.0	4.0	4.6
7	3.5	3.9	4.4
8	4.0	4.0	4.4
9	4.5	.68	4.4
10	5.0	0	4.3
11	6.0	0	4.4
12	6.0	0	4.4
13	5.5	0	4.3
14	4.2	0	1.5
15	4.6	0	0
16	4.5	0	0
17	4.4	0	0
18	2.4	0	0
19	3.0	0	0
20	2.2	0	0
21	1.6	0	0
22	0	0	0
23	0	0	0
24	0	0	0
25	0	0	0
26	2.5	0	0
27	4.1	0	0
28	4.1	0	0
29	4.2	0	0
30	4.2	0	0
31	4.2	-----	0
TOTAL	95.20	16.98	43.29
MEAN	3.07	.57	1.40
MAX	6.0	4.0	4.6
MIN	0	0	0
AC-FT	189	34	86

SUMMARY 1990.--AC-FT            308

## NIOBRARA RIVER BASIN

MIRAGE FLATS CANAL from Niobrara River - 1990

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

Day	Jul	Aug
1	0	93
2	0	90
3	0	82
4	0	81
5	38	83
6	58	102
7	85	104
8	109	101
9	124	98
10	124	95
11	126	94
12	135	92
13	135	93
14	139	77
15	140	63
16	139	52
17	134	49
18	142	7.6
19	136	0
20	99	0
21	97	0
22	89	0
23	76	0
24	65	0
25	83	0
26	106	0
27	106	0
28	107	0
29	107	0
30	108	0
31	104	0
TOTAL	2,911	1,456.6
MEAN	93.9	47.0
MAX	142	104
MIN	0	0
AC-FT	5,770	2,890

SUMMARY 1990.--AC-FT 8,660

# N I O B R A R A   R I V E R   B A S I N

POTMESIL CANAL from Niobrara River - 1990

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.--Missing gage height record July 19, Aug. 26 - 29  
Estimated discharges July 20, Aug. 30

Day	May	Jun	Jul	Aug	Sep
1	0	0	5.7	6.0	.28
2	0	0	5.6	6.5	.28
3	0	0	5.0	6.0	1.4
4	0	0	5.2	5.9	6.8
5	0	2.4	6.2	5.9	7.0
6	0	4.8	6.5	7.1	7.3
7	0	5.0	7.7	7.1	7.6
8	0	4.9	7.7	6.8	7.9
9	0	6.0	8.0	6.3	8.0
10	0	7.5	8.0	6.3	8.0
11	0	7.7	7.3	6.4	7.8
12	1.9	7.3	7.1	6.6	2.6
13	5.0	7.6	7.2	6.4	0
14	5.1	7.8	7.5	5.9	0
15	5.5	8.0	7.6	6.0	0
16	5.9	2.9	7.6	5.8	0
17	6.4	.33	7.4	6.3	0
18	7.4	.33	7.9	3.4	0
19	7.9	.33	6.0	.42	0
20	3.1	3.8	5.1	2.0	0
21	.13	6.9	2.1	7.0	0
22	.04	7.3	.23	7.5	0
23	0	7.4	.23	0	0
24	0	7.3	.19	0	0
25	0	7.1	4.5	2.5	0
26	0	6.8	6.8	3.0	0
27	0	6.7	6.1	3.6	0
28	0	6.3	6.0	4.0	0
29	0	5.8	6.2	4.6	0
30	0	6.1	6.2	5.2	0
31	0	-----	6.1	5.9	-----
TOTAL	48.37	144.39	180.95	156.42	64.96
MEAN	1.56	4.81	5.84	5.05	2.17
MAX	7.9	8.0	8.0	7.5	8.0
MIN	0	0	.19	0	0
AC-FT	96	286	359	310	129

SUMMARY 1990.--AC-FT      1,180

## N I O B R A R A R I V E R B A S I N

MERRITT RESERVOIR from Snake River - 1990

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

GAGE.--Reference point

PERIOD OF RECORD.--1965 - present

Day	STORAGE LEVEL			ELEVATION (Feet)			CONTENT (Acre-feet)					
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	Top of conservation pool			2946.0			74,486					
	Top of dead storage			2875.0			1,614					
1	68,831	68,831	68,831	68,831	69,110	73,626	74,781	53,454	37,654	46,014	61,422	68,831
2	68,831	68,560	68,560	68,831	69,110	73,913	74,781	52,782	37,654	46,611	61,936	68,831
3	68,831	68,560	68,560	68,831	69,389	74,199	74,486	52,558	37,654	47,010	62,193	68,831
4	68,831	68,560	68,560	68,831	69,668	74,199	73,913	51,885	37,654	47,623	62,706	68,831
5	68,831	68,560	68,560	68,831	69,668	74,486	73,626	51,221	37,491	48,038	63,219	68,831
6	68,831	68,831	68,560	68,831	69,947	74,486	72,480	50,575	37,163	48,659	63,740	68,831
7	68,831	68,831	68,831	68,831	70,226	74,781	71,907	49,712	36,835	49,281	64,004	68,831
8	68,831	68,831	68,831	68,831	70,504	74,871	71,062	49,281	36,508	49,712	64,797	68,831
9	68,831	68,831	69,110	68,831	70,783	74,871	69,947	48,867	36,508	50,143	65,061	68,831
10	68,831	68,831	69,389	68,831	70,783	75,075	69,110	48,038	36,508	50,575	65,589	68,831
11	68,831	68,831	69,389	68,831	70,783	75,075	68,288	47,416	36,672	51,006	66,117	68,831
12	68,831	68,831	69,389	68,831	71,062	75,075	67,203	47,010	37,163	51,437	66,660	68,560
13	68,831	68,831	69,389	68,831	71,062	75,075	66,388	46,412	37,818	51,885	66,931	68,560
14	68,831	68,831	69,389	68,831	71,341	75,075	65,325	45,815	38,493	52,333	67,474	68,831
15	68,831	68,831	69,389	68,831	71,341	75,075	64,797	45,217	39,004	52,782	67,745	68,831
16	68,831	68,831	69,389	68,831	71,620	75,370	64,268	44,642	39,516	53,006	67,745	68,560
17	68,831	68,831	69,389	68,831	71,907	75,370	63,740	44,259	40,218	53,678	68,017	68,560
18	68,831	68,831	69,110	68,831	71,907	75,370	63,219	43,684	40,572	54,143	68,288	68,560
19	68,831	68,831	69,110	68,831	72,193	75,370	62,449	43,301	40,572	54,609	68,560	68,560
20	68,831	69,110	69,110	68,831	72,480	75,370	61,936	43,117	40,926	55,074	68,831	68,560
21	68,831	69,110	69,110	68,831	72,766	75,075	61,422	42,748	41,458	55,540	68,831	68,560
22	68,831	69,110	68,831	68,831	73,053	75,075	60,660	42,380	41,827	56,005	68,831	68,560
23	68,831	68,831	68,831	68,831	73,053	74,781	59,912	42,011	42,380	56,729	68,831	68,560
24	68,831	68,831	68,831	68,831	73,340	74,781	58,915	41,458	42,932	57,211	68,831	68,560
25	68,831	68,831	68,831	68,831	73,340	74,871	58,417	40,926	43,301	57,452	68,831	68,831
26	68,831	68,831	68,831	68,831	73,340	74,781	57,693	40,395	43,684	57,935	68,831	68,831
27	68,831	68,831	68,831	69,110	73,340	74,871	56,729	40,040	44,067	58,666	69,110	68,831
28	68,831	68,831	68,831	69,110	73,340	74,871	56,005	39,686	44,642	59,414	69,110	69,110
29	68,831	-----	68,831	69,110	73,340	74,871	55,772	39,175	45,217	59,912	69,110	69,110
30	68,831	-----	68,831	69,110	73,626	74,871	55,074	38,664	45,615	60,411	69,110	68,831
31	68,831	-----	68,831	-----	73,626	-----	54,376	38,152	-----	60,909	-----	68,831
MEAN	68,831	68,822	68,976	68,868	71,647	74,853	64,796	45,319	39,924	53,348	66,682	68,753
MAX	68,831	69,110	69,389	69,110	73,626	75,370	74,781	53,454	45,615	60,909	69,110	69,110
MIN	68,831	68,560	68,560	68,831	69,110	73,626	54,376	38,152	36,508	46,014	61,422	68,560

TOTAL 12 MONTHS.--MEAN 63,366 MAX 75,370 MIN 36,508

# N I O B R A R A   R I V E R   B A S I N

AINSWORTH CANAL from Merritt Reservoir - 1990

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

Day	Apr	May	Jun	Jul	Aug	Sep
1	0	56	26	316	540	420
2	0	40	26	401	434	420
3	0	40	7.7	471	255	428
4	0	40	0	494	243	457
5	0	40	0	523	259	490
6	0	40	0	549	352	488
7	0	40	0	532	488	450
8	0	40	0	532	580	350
9	0	40	0	528	589	345
10	0	39	27	419	593	319
11	0	39	49	338	541	284
12	0	39	60	316	534	262
13	0	39	83	304	483	244
14	0	39	71	328	463	221
15	0	39	60	367	450	181
16	0	39	60	500	470	172
17	0	40	56	590	462	132
18	0	40	50	610	375	93
19	0	40	50	584	208	66
20	0	40	54	349	192	45
21	0	40	60	305	171	31
22	16	40	54	318	135	0
23	124	40	50	376	69	0
24	101	40	50	419	58	0
25	92	40	77	507	65	0
26	70	40	100	539	79	0
27	63	39	127	550	108	0
28	63	39	173	550	181	0
29	63	35	234	548	283	0
30	63	25	286	535	397	0
31	-----	25	-----	529	479	-----
TOTAL	655	1,212	1,890.7	14,227	10,536	5,898
MEAN	21.8	39.1	63.0	459	340	197
MAX	124	56	286	610	593	490
MIN	0	25	0	304	58	0
AC-FT	1,300	2,400	3,750	28,220	20,900	11,700

SUMMARY 1990.--AC-FT      68,270



# MISSOURI RIVER BASIN

## (NIOBRARA TO THE PLATTE)

CUNNINGHAM LAKE (NO. 11) from Knight Creek - 1990

LOCATION.--Sec. 22-16-12 E. in Omaha

GAGE.--Continous stage recorder

PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.  
All values adjusted for a -443 A.F. storage table  
revision effective February 1, 1989.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1142.0	17,160
Top of conservation pool	1121.0	3,260
Top of dead storage pool	1099.0	6

Date	Contents (Acre-feet)
December 31, 1989 .....	2,790
January 31, 1990 .....	2,940
February 28, 1990 .....	3,030
March 31, 1990 .....	3,280
April 30, 1990 .....	3,250
May 31, 1990 .....	3,330
June 30, 1990 .....	3,290
July 31, 1990 .....	3,350
August 31, 1990 .....	3,220
September 30, 1990 .....	3,040
October 31, 1990 .....	2,970
November 30, 1990 .....	3,010
December 31, 1990 .....	3,060

# MISSOURI RIVER BASIN

## (NIOBRARA TO THE PLATTE)

STANDING BEAR LAKE (NO. 16) from Big Papillion Creek - 1990

LOCATION.--Sec. 36-16-11 E. near Omaha

GAGE.--Continuous stage recorder

PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1121.0	5,220
Top of conservation pool	1109.0	2,320
Top of dead storage pool	1080.0	123

Date	Contents (Acre-feet)
December 31, 1989 .....	890
January 31, 1990 .....	874
February 28, 1990 .....	855
March 31, 1990 .....	856
April 30, 1990 .....	818
May 31, 1990 .....	814
June 30, 1990 .....	832
July 31, 1990 .....	852
August 31, 1990 .....	799
September 30, 1990 .....	749
October 31, 1990 .....	726
November 30, 1990 .....	713
December 31, 1990 .....	702

# MISSOURI RIVER BASIN

## (NIOBRARA TO THE PLATTE)

WEHRSPANN LAKE (NO. 20) from South Fork, West Branch Papillion Creek - 1990

LOCATION.--Sec. 23-14-11 E. near Chalco

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1985 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1120.0	12,740
Top of conservation pool	1096.0	2,720
Top of dead storage pool	1077.0	252

Date	Contents (Acre-feet)
December 31, 1989 .....	1,010
January 31, 1990 .....	971
February 28, 1990 .....	918
March 31, 1990 .....	924
April 30, 1990 .....	832
May 31, 1990 .....	882
June 30, 1990 .....	965
July 31, 1990 .....	1,390
August 31, 1990 .....	1,260
September 30, 1990 .....	1,120
October 31, 1990 .....	1,020
November 30, 1990 .....	958
December 31, 1990 .....	919

# NORTH PLATTE RIVER BASIN

FORT LARAMIE CANAL from North Platte River - 1990

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 United States Bureau of Reclamation

Day	Jun	Jul	Aug	Sep
1	0	1,450	1,320	1,380
2	0	1,410	1,320	1,220
3	0	1,370	1,320	936
4	0	1,390	1,320	796
5	0	1,450	1,310	786
6	0	1,430	1,260	752
7	0	1,410	1,240	693
8	0	1,400	1,240	695
9	0	1,410	1,240	693
10	0	1,410	1,230	712
11	0	1,400	1,230	745
12	0	1,400	1,230	733
13	0	1,400	1,240	698
14	0	1,400	1,240	674
15	0	1,400	1,220	647
16	0	1,400	1,210	627
17	0	1,390	1,210	410
18	0	1,380	1,210	58
19	0	1,390	1,210	0
20	0	1,380	1,220	0
21	0	1,360	1,220	0
22	0	1,320	1,220	0
23	0	1,310	1,230	0
24	0	1,290	1,250	0
25	598	1,280	1,260	0
26	698	1,290	1,300	0
27	841	1,290	1,340	0
28	1,020	1,310	1,360	0
29	1,120	1,340	1,370	0
30	1,260	1,330	1,370	0
31	-----	1,320	1,370	-----
TOTAL	5,537	42,510	39,310	13,255
MEAN	185	1,371	1,268	442
MAX	1,260	1,450	1,370	1,380
MIN	0	1,280	1,210	0
AC-FT	10,980	84,320	77,970	26,290

SUMMARY 1990.--AC-FT 199,600

## NORTH PLATTE RIVER BASIN

FORT LARAMIE CANAL from North Platte River @ Mile Post 85.3 - 1990

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 United States Bureau of Reclamation

Day	Jun	Jul	Aug	Sep
1	0	433	581	594
2	0	479	579	592
3	0	469	581	559
4	0	479	583	412
5	0	435	590	175
6	0	492	585	105
7	0	540	585	63
8	0	544	590	51
9	0	544	590	47
10	0	540	581	0
11	0	546	585	0
12	0	553	581	0
13	0	561	579	0
14	0	572	581	0
15	0	583	581	0
16	0	583	572	0
17	0	585	568	0
18	0	581	570	0
19	0	574	574	0
20	0	590	574	0
21	0	592	570	0
22	0	585	572	0
23	0	585	570	0
24	0	581	564	0
25	0	581	568	0
26	0	583	574	0
27	0	579	574	0
28	99	585	574	0
29	396	585	577	0
30	408	590	581	0
31	-----	577	578	-----
TOTAL	903	17,106	17,912	2,598
MEAN	30.1	552	578	86.6
MAX	408	592	590	594
MIN	0	433	564	0
AC-FT	1,790	33,930	35,530	5,150

SUMMARY 1990.--AC-FT 76,400

# NORTH PLATTE RIVER BASIN

INTERSTATE CANAL from North Platte River - 1990

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1915 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	2,001	1,545	1,467			
2					0	0	2,005	1,538	1,145			
3					0	0	2,001	1,535	577			
4					0	0	1,988	1,535	170			
5					0	0	1,991	1,515	0			
6					0	0	2,001	1,425	0			
7					0	0	2,008	1,396	0			
8					0	0	2,005	1,396	0			
9					0	0	2,015	1,390	0			
10					0	0	1,920	1,451	0			
11					0	0	1,889	1,535	0			
12					0	427	1,852	1,535	0			
13					0	725	1,836	1,528	379			
14					0	942	1,795	1,538	670			
15					0	930	1,792	1,532	965			
16					0	939	1,775	1,525	989			
17					0	942	1,739	1,522	1,068			
18					0	953	1,752	1,515	1,069			
19					0	986	1,739	1,519	1,048			
20					0	989	1,735	1,519	1,078			
21					0	989	1,702	1,515	1,077			
22					0	992	1,561	1,519	1,004			
23					0	980	1,558	1,554	608			
24					0	1,210	1,567	1,564	118			
25					0	1,409	1,558	1,571	0			
26					0	1,616	1,610	1,571	0			
27					0	1,842	1,607	1,580	0			
28					0	1,906	1,610	1,626	0			
29		-----			0	1,950	1,603	1,623	0			
30		-----			0	1,944	1,584	1,584	0			
31		-----		-----	0	-----	1,535	1,493	-----		-----	
TOTAL					0	22,671	55,334	47,194	13,432			
MEAN					0	756	1,785	1,522	448			
MAX					0	1,950	2,015	1,626	1,467			
MIN					0	0	1,535	1,390	0			
AC-FT					0	44,968	109,755	93,609	26,642			
SUMMARY 1990.--MAX	2,015		MIN	0	AC-FT	275,000						

## NORTH PLATTE RIVER BASIN

ALICE RESERVOIR from North Platte - 1990

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

GAGE.--Reference point

PERIOD OF RECORD.--1977 - present

REMARKS.--Values furnished by Pathfinder Irrigation District

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of conservation pool	4182.0	11,020
Top of dead storage pool	4059.0	0

Date	Contents (Acre-feet)
December 31, 1989 .....	0
January 31, 1990 .....	0
February 28, 1990 .....	0
March 31, 1990 .....	0
April 30, 1990 .....	3,320
May 31, 1990 .....	0
June 30, 1990 .....	3,570
July 31, 1990 .....	4,420
August 31, 1990 .....	586
September 30, 1990 .....	2,940
October 31, 1990 .....	0
November 30, 1990 .....	0
December 31, 1990 .....	0

# NORTH PLATTE RIVER BASIN

MINATARE RESERVOIR from North Platte - 1990

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

GAGE.--Staff gage

PERIOD OF RECORD.--1977 - present

REMARKS.--Values furnished by Pathfinder Irrigation District

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

Date	Contents (Acre-feet)
December 31, 1989 .....	21,600
January 31, 1990 .....	19,490
February 28, 1990 .....	19,090
March 31, 1990 .....	19,090
April 30, 1990 .....	24,140
May 31, 1990 .....	26,260
June 30, 1990 .....	33,110
July 31, 1990 .....	15,210
August 31, 1990 .....	8,930
September 30, 1990 .....	7,700
October 31, 1990 .....	17,930
November 30, 1990 .....	17,920
December 31, 1990 .....	17,290



## NORTH PLATTE RIVER BASIN

MITCHELL &amp; GERING CANAL from North Platte River - 1990

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.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	135	344	276	277	0		
2					0	132	360	268	264	0		
3					0	128	359	271	165	0		
4					108	126	361	273	153	0		
5					145	124	360	275	151	0		
6					141	122	361	273	155	0		
7					139	129	362	273	153	0		
8					142	122	363	274	152	0		
9					144	119	353	275	153	0		
10					132	118	335	278	154	0		
11					139	118	307	283	153	0		
12					136	116	302	289	153	0		
13					134	117	288	292	153	0		
14					132	125	282	294	153	0		
15					129	121	283	294	153	0		
16					132	122	284	294	155	0		
17					129	124	283	294	155	0		
18					128	123	274	286	155	0		
19					129	121	274	281	156	0		
20					143	118	275	281	155	0		
21					134	117	271	287	156	0		
22					130	116	266	286	156	0		
23					128	116	261	285	156	0		
24					126	126	258	291	156	0		
25					125	120	257	296	156	0		
26					122	120	258	297	154	0		
27					121	220	265	298	153	0		
28					121	304	282	296	149	0		
29		-----			131	306	284	293	43	0		
30		-----			149	307	286	293	0	0		
31		-----		-----	145	-----	285	281	-----	0	-----	
TOTAL					3,714	4,312	9,383	8,827	4,597	0		
MEAN					120	144	303	285	153	0		
MAX					149	307	363	298	277	0		
MIN					0	116	257	268	0	0		
AC-FT					7,370	8,550	18,610	17,510	9,120	0		
SUMMARY 1990.--MAX		363	MIN	0	AC-FT	61,160						

# NORTH PLATTE RIVER BASIN

GERING CANAL from North Platte River via Mitchell and Gering Canal - 1990

LOCATION.--NE1/4SE1/4 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.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	99	147	148			
2					0	0	156	143	156			
3					0	0	155	155	107			
4					0	0	156	153	0			
5					0	0	157	156	0			
6					0	0	159	152	0			
7					0	0	156	151	0			
8					0	0	166	145	0			
9					0	0	159	144	0			
10					0	0	152	142	0			
11					0	0	159	140	0			
12					0	0	159	153	0			
13					0	0	155	147	0			
14					0	0	155	147	0			
15					0	0	160	145	0			
16					0	0	155	149	0			
17					0	0	160	149	0			
18					0	0	156	152	0			
19					0	0	157	148	0			
20					0	0	172	143	0			
21					0	0	178	147	0			
22					0	0	167	145	0			
23					0	0	155	143	0			
24					0	0	148	143	0			
25					0	0	143	149	0			
26					0	0	145	155	0			
27					0	30	147	155	0			
28					0	128	153	155	0			
29		-----			0	128	149	151	0			
30		-----			0	129	147	152	0			
31		-----		-----	0	-----	147	153	-----		-----	
TOTAL					0	415	4,782	4,609	411			
MEAN					0	13.8	154	149	13.7			
MAX					0	129	178	156	156			
MIN					0	0	99	140	0			
AC-FT					0	823	9,490	9,140	815			

SUMMARY 1990.--MAX 178 MIN 0 AC-FT 20,270

## NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from North Platte River - 1990

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.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	1,220	1,050	684			
2					0	0	1,220	1,030	696			
3					0	0	1,190	1,020	777			
4					0	0	1,220	1,020	790			
5					0	0	1,230	1,000	762			
6					0	0	1,260	980	727			
7					0	0	1,280	970	677			
8					0	0	1,290	944	632			
9					0	0	1,290	920	637			
10					0	0	1,300	932	622			
11					0	0	1,290	933	611			
12					0	0	1,260	929	608			
13					0	0	1,260	925	623			
14					0	0	1,260	930	641			
15					0	0	1,250	922	654			
16					0	0	1,260	932	627			
17					0	0	1,260	932	625			
18					0	0	1,180	937	614			
19					0	0	1,170	944	606			
20					0	0	1,170	944	528			
21					0	0	1,160	920	361			
22					0	0	1,140	865	88			
23					0	0	1,130	853	0			
24					0	36	1,110	897	0			
25					0	242	1,070	898	0			
26					0	481	1,080	909	0			
27					0	737	1,070	932	0			
28					0	900	1,070	890	0			
29		-----			0	1,110	1,070	818	0			
30		-----			0	1,180	1,070	745	0			
31		-----		-----	0	-----	1,070	705	-----		-----	
TOTAL					0	4,686	36,900	28,626	13,590			
MEAN					0	156	1,190	923	453			
MAX					0	1,180	1,300	1,050	790			
MIN					0	0	1,070	705	0			
AC-FT					0	9,290	73,190	56,780	26,960			
SUMMARY 1990.--MAX	1,300		MIN	0	AC-FT	166,200						

# NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Sheep Creek - 1990

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.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	29	52	58			
2					0	0	30	51	57			
3					0	0	29	51	57			
4					0	0	29	56	58			
5					0	0	29	60	57			
6					0	0	30	59	59			
7					0	0	29	53	59			
8					0	0	32	54	58			
9					0	0	36	51	58			
10					0	0	34	51	58			
11					0	0	35	51	52			
12					0	0	38	58	51			
13					0	0	39	60	52			
14					0	0	40	55	51			
15					0	0	40	57	51			
16					0	0	41	59	51			
17					0	0	42	60	51			
18					0	0	42	64	57			
19					0	0	40	62	67			
20					0	0	43	61	23			
21					0	0	49	55	0			
22					0	0	48	53	0			
23					0	0	48	53	0			
24					0	0	50	52	0			
25					0	19	51	52	0			
26					0	28	51	53	0			
27					0	29	50	56	0			
28					0	30	51	55	0			
29		-----			0	30	51	57	0			
30		-----			0	29	51	57	0			
31		-----		-----	0	-----	53	59	-----		-----	
TOTAL					0	165	1,260	1,727	1,085			
MEAN					0	5.50	40.6	55.7	36.2			
MAX					0	30	53	64	67			
MIN					0	0	29	51	0			
AC-FT					0	327	2,500	3,430	2,150			
SUMMARY 1990.--MAX	67		MIN	0	AC-FT	8,400						

## NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Akers Draw - 1990

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1986 - present

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					8.7	9.3	6.9	10	9.4			
2					8.8	9.4	7.7	10	9.6			
3					9.1	9.7	8.1	10	10			
4					9.0	9.9	9.0	12	10			
5					9.0	9.8	9.4	14	9.9			
6					9.4	9.8	11	12	11			
7					9.4	9.9	10	12	11			
8					9.3	9.5	11	11	11			
9					8.8	8.9	11	9.9	11			
10					8.3	9.1	10	9.6	11			
11					8.4	9.1	11	9.3	11			
12					8.5	9.6	10	9.2	10			
13					8.6	9.3	9.6	9.1	10			
14					8.6	8.7	9.8	8.7	10			
15					8.2	8.4	9.6	8.7	9.2			
16					8.9	8.0	10	9.5	10			
17					9.4	8.1	9.6	8.3	12			
18					9.5	7.9	8.5	8.2	13			
19					9.0	7.6	9.0	8.9	13			
20					11	7.8	9.4	9.6	13			
21					8.9	8.4	9.6	9.1	11			
22					8.4	8.5	10	8.0	10			
23					8.4	7.9	11	7.8	10			
24					8.3	8.4	11	7.9	10			
25					8.3	9.2	11	8.6	11			
26					8.3	8.3	11	9.2	11			
27					8.8	8.4	11	9.8	12			
28					9.3	8.2	10	10	12			
29		-----			8.8	7.5	10	10	11			
30		-----			9.0	7.2	10	10	12			
31		-----		-----	9.4	-----	10	9.5	-----		-----	
TOTAL					275.8	261.8	305.2	299.9	325.1			
MEAN					8.90	8.73	9.85	9.67	10.8			
MAX					11	9.9	11	14	13			
MIN					8.2	7.2	6.9	7.8	9.2			
AC-FT					547	519	605	595	645			
SUMMARY 1990.--MAX		14	MIN	6.9	AC-FT	2,910						

# NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Dry Spottedtail Creek - 1990

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.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	5.0	13	16			
2					0	0	5.0	13	16			
3					0	0	6.0	12	14			
4					0	0	7.0	14	15			
5					0	0	8.0	21	13			
6					0	0	9.0	14	18			
7					0	0	8.0	12	12			
8					0	0	11	11	12			
9					0	0	12	11	12			
10					0	0	10	12	12			
11					0	0	10	15	13			
12					0	0	10	20	13			
13					0	0	10	17	12			
14					0	0	13	15	12			
15					0	0	13	16	11			
16					0	0	12	15	11			
17					0	0	11	13	13			
18					0	0	11	13	13			
19					0	0	12	13	15			
20					0	0	14	14	4.0			
21					0	0	13	14	0			
22					0	0	11	14	0			
23					0	0	10	15	0			
24					0	0	12	15	0			
25					0	0	12	16	0			
26					0	4.0	13	14	0			
27					0	5.0	14	15	0			
28					0	5.0	15	15	0			
29		-----			0	5.0	16	15	0			
30		-----			0	5.0	16	14	0			
31		-----	-----	-----	0	-----	15	16	-----	-----	-----	-----
TOTAL					0	24.0	344.0	447	257.0			
MEAN					0	.80	11.1	14.4	8.57			
MAX					0	5.0	16	21	18			
MIN					0	0	5.0	11	0			
AC-FT					0	48	682	887	510			
SUMMARY 1990.--MAX	21	MIN	0	AC-FT	2,130							

## NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Wet Spottedtail Creek - 1990

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.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					34	6.0	0	6.0	19			
2					7.0	6.0	0	7.0	20			
3					7.0	6.0	0	7.0	27			
4					8.0	5.0	0	14	12			
5					8.0	6.0	0	15	15			
6					7.0	6.0	0	12	13			
7					7.0	8.0	0	8.0	5.0			
8					8.0	6.0	4.0	7.0	4.0			
9					10	6.0	5.0	7.0	4.0			
10					8.0	5.0	4.0	8.0	4.0			
11					8.0	5.0	3.0	8.0	14			
12					6.0	6.0	4.0	20	15			
13					6.0	6.0	3.0	27	13			
14					5.0	6.0	4.0	12	12			
15					8.0	6.0	3.0	12	12			
16					7.0	6.0	3.0	13	13			
17					6.0	6.0	5.0	9.0	12			
18					6.0	5.0	6.0	10	15			
19					6.0	5.0	7.0	12	20			
20					6.0	5.0	7.0	9.0	20			
21					0	5.0	8.0	8.0	16			
22					8.0	4.0	8.0	7.0	17			
23					6.0	4.0	7.0	8.0	19			
24					6.0	4.0	6.0	8.0	17			
25					5.0	4.0	5.0	8.0	14			
26					5.0	5.0	5.0	11	12			
27					5.0	4.0	5.0	16	12			
28					4.0	0	5.0	10	15			
29		-----			7.0	0	10	11	16			
30		-----			7.0	0	7.0	12	16			
31		-----		-----	7.0	-----	6.0	15	-----		-----	
TOTAL					228.0	146.0	130.0	337.0	423.0			
MEAN					7.35	4.87	4.19	10.9	14.1			
MAX					34	8.0	10	27	27			
MIN					0	0	0	6.0	4.0			
AC-FT					452	290	258	668	839			
SUMMARY 1990.--MEAN	8.26		MAX	34	MIN	0	AC-FT	2,510				

# NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Tub Springs - 1990

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.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	16	32	28			
2					0	0	12	33	28			
3					0	0	12	31	28			
4					0	0	14	35	23			
5					0	0	13	35	32			
6					0	0	14	31	20			
7					0	0	14	31	20			
8					0	0	15	28	20			
9					0	0	17	29	20			
10					0	0	19	30	20			
11					0	0	24	19	21			
12					0	0	1.0	32	21			
13					0	0	17	31	21			
14					0	0	19	27	21			
15					0	0	19	28	22			
16					0	0	18	30	22			
17					0	0	20	23	23			
18					0	0	20	29	21			
19					0	0	22	29	22			
20					0	0	28	30	4.0			
21					0	0	27	30	0			
22					0	0	24	29	0			
23					0	0	22	29	0			
24					0	0	20	29	0			
25					0	0	20	29	0			
26					0	6.0	22	30	0			
27					0	6.0	25	30	0			
28					0	9.0	25	30	0			
29		-----			0	8.0	26	32	0			
30		-----			0	8.0	27	32	0			
31		-----		-----	0	-----	31	31	-----		-----	
TOTAL					0	37.0	603.0	924	437.0			
MEAN					0	1.23	19.5	29.8	14.6			
MAX					0	9.0	31	35	32			
MIN					0	0	1.0	19	0			
AC-FT					0	73	1,200	1,830	867			

SUMMARY 1990.--MAX            35            MIN            0            AC-FT        3,970



## NORTH PLATTE RIVER BASIN

NORTHPORT CANAL from North Platte River via Tri-State Canal - 1990

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 prior to 1985 were adjusted by Tri-State  
Canal losses and contributions from drains.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	174	271	248			
2					0	0	193	268	261			
3					0	0	216	262	258			
4					0	0	227	265	258			
5					0	0	235	268	184			
6					0	0	252	269	80			
7					0	0	266	261	89			
8					0	0	261	256	95			
9					0	0	280	251	94			
10					0	0	261	258	100			
11					0	0	269	251	91			
12					0	0	272	269	91			
13					0	0	265	265	92			
14					0	0	259	259	94			
15					0	0	261	255	92			
16					0	0	258	255	91			
17					0	0	252	256	84			
18					0	0	268	258	90			
19					0	0	274	261	86			
20					0	0	269	256	44			
21					0	0	268	255	28			
22					0	0	266	251	20			
23					0	0	265	230	5.0			
24					0	0	265	253	2.0			
25					0	0	262	262	0			
26					0	0	262	266	0			
27					0	0	259	266	0			
28					0	0	256	266	0			
29		-----			0	80	265	262	0			
30		-----			0	151	274	262	0			
31		-----		-----	0	-----	272	258	-----		-----	
TOTAL					0	231	7,926	8,045	2,577.0			
MEAN					0	7.70	256	260	85.9			
MAX					0	151	280	271	261			
MIN					0	0	174	230	0			
AC-FT					0	458	15,720	15,960	5,110			
SUMMARY 1990.--MAX	280	MIN	0	AC-FT	37,250							

# NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER passing Tri-State Dam - 1990

LOCATION.--NW1/4NE1/4 Sec. 10-23-58 W. near Henry

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1947 - 1964, 1967 - present

REMARKS.--Estimated discharges Aug. 25 - 27

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					205	19	37	22	2.8			
2					211	16	54	13	2.9			
3					193	17	44	9.0	2.9			
4					102	16	60	18	15			
5					46	16	10	131	7.3			
6					41	16	69	31	3.9			
7					42	17	128	17	59			
8					42	18	138	20	15			
9					53	15	236	3.8	10			
10					69	12	254	9.4	4.7			
11					47	16	182	42	4.2			
12					48	15	109	121	3.9			
13					44	14	91	117	1.6			
14					40	14	103	137	.76			
15					36	15	163	163	48			
16					32	16	158	86	45			
17					28	15	197	42	40			
18					27	14	141	20	53			
19					26	13	125	12	81			
20					32	12	105	27	41			
21					23	12	196	5.1	39			
22					21	11	126	1.6	296			
23					21	11	64	2.8	358			
24					19	25	11	2.8	330			
25					19	13	9.0	2.8	387			
26					19	1.1	6.4	2.7	502			
27					19	1.1	23	2.5	557			
28					19	1.7	45	2.5	601			
29		-----			22	16	44	1.5	622			
30		-----			23	15	101	2.0	553			
31		-----		-----	24	-----	60	2.4	-----		-----	
TOTAL					1,593	412.9	3,089.4	1,069.9	4,686.96			
MEAN					51.4	13.8	99.7	34.5	156			
MAX					211	25	254	163	622			
MIN					19	1.1	6.4	1.5	.76			
AC-FT					3,160	819	6,130	2,120	9,300			
SUMMARY 1990.--MEAN		70.9			MAX	622	MIN	.76	AC-FT	21,530		

## NORTH PLATTE RIVER BASIN

RAMSHORN CANAL from North Platte River -1990

LOCATION.--NW1/4NE1/4 Sec. 19-23-57 W. near Henry

GAGE.--Continuous stage recorder and weir

PERIOD OF RECORD.--1919 - present

Total Diverted in 1990 0 A. F.

# NORTH PLATTE RIVER BASIN

AKERS DRAW near Morrill - 1990

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1972 - present

REMARKS.--Estimated discharges Jan. 1-2

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1990, 48 cubic feet per second, gage height 2.89 feet.  
Minimum daily discharge, 6.9 cubic feet per second on July 1.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	10	10	10	8.5	8.7	9.3	6.9	10	9.4	12	11	9.6
2	10	10	10	8.5	8.8	9.4	7.7	10	9.6	12	11	9.3
3	10	10	9.8	8.5	9.1	9.7	8.1	10	10	12	11	9.3
4	10	10	9.8	8.5	9.0	9.9	9.0	12	10	13	10	9.1
5	10	11	9.8	8.8	9.0	9.8	9.4	14	9.9	12	10	9.1
6	9.9	11	9.8	9.0	9.4	9.8	11	12	11	12	10	8.8
7	9.8	11	9.1	9.0	9.4	9.9	10	12	11	12	9.9	8.8
8	9.8	11	9.9	9.2	9.3	9.5	11	11	11	12	10	8.8
9	9.9	11	9.9	9.6	8.8	8.9	11	9.9	11	12	10	9.0
10	10	11	9.4	9.4	8.3	9.1	10	9.6	11	11	10	9.1
11	10	11	9.4	9.5	8.4	9.1	11	9.3	11	12	10	9.1
12	11	11	9.2	9.8	8.5	9.6	10	9.2	10	12	10	9.1
13	11	10	9.4	9.6	8.6	9.3	9.6	9.1	10	11	10	9.1
14	10	10	9.0	11	8.6	8.7	9.8	8.7	10	11	10	9.1
15	11	10	9.0	13	8.2	8.4	9.6	8.7	9.2	11	10	9.1
16	11	10	8.7	13	8.9	8.0	10	9.5	10	11	10	9.1
17	11	11	8.7	13	9.4	8.1	9.6	8.3	12	11	9.9	9.1
18	11	11	8.8	14	9.5	7.9	8.5	8.2	13	11	10	9.1
19	11	11	8.9	12	9.0	7.6	9.0	8.9	13	11	10	9.1
20	10	11	8.5	11	11	7.8	9.4	9.6	13	11	9.7	9.1
21	10	11	8.5	11	8.9	8.4	9.6	9.1	11	12	9.9	9.1
22	11	10	8.5	10	8.4	8.5	10	8.0	10	12	9.9	9.1
23	11	10	8.4	9.8	8.4	7.9	11	7.8	10	12	9.9	9.0
24	11	10	8.2	8.7	8.3	8.4	11	7.9	10	12	9.7	9.3
25	11	10	8.4	8.3	8.3	9.2	11	8.6	11	12	9.6	9.4
26	11	10	8.8	7.9	8.3	8.3	11	9.2	11	12	9.9	9.3
27	11	10	8.6	8.1	8.8	8.4	11	9.8	12	11	10	9.1
28	10	10	8.6	9.7	9.3	8.2	10	10	12	11	9.8	9.1
29	10	-----	8.3	9.7	8.8	7.5	10	10	11	11	9.7	9.0
30	10	-----	8.3	9.5	9.0	7.2	10	10	12	11	9.6	8.7
31	10	-----	8.3	-----	9.4	-----	10	9.5	-----	11	-----	8.5
TOTAL	322.4	293	280.0	297.6	275.8	261.8	305.2	299.9	325.1	359	300.5	281.5
MEAN	10.4	10.5	9.03	9.92	8.90	8.73	9.85	9.67	10.8	11.6	10.0	9.08
MAX	11	11	10	14	11	9.9	11	14	13	13	11	9.6
MIN	9.8	10	8.2	7.9	8.2	7.2	6.9	7.8	9.2	11	9.6	8.5
AC-FT	639	581	555	590	547	519	605	595	645	712	596	558

SUMMARY 1990.--TOTAL      3,601.8      MEAN      9.87      MAX      14      MIN      6.9      AC-FT      7,140

## NORTH PLATTE RIVER BASIN

ENTERPRISE CANAL from North Platte River - 1990

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916, 1919 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	58	110	102	98			
2					0	58	101	103	97			
3					0	58	101	106	98			
4					0	62	100	107	99			
5					0	61	85	120	98			
6					0	60	88	111	99			
7					0	60	110	97	99			
8					41	59	121	95	99			
9					66	57	119	94	95			
10					55	56	107	96	94			
11					54	56	107	98	89			
12					54	57	102	106	87			
13					55	58	102	108	86			
14					54	59	101	108	86			
15					53	61	107	103	86			
16					52	64	106	94	89			
17					53	62	105	93	89			
18					58	60	101	90	89			
19					61	60	107	91	90			
20					67	64	107	92	93			
21					66	64	114	89	90			
22					60	63	105	87	90			
23					43	63	93	89	91			
24					58	60	90	89	79			
25					63	55	91	90	69			
26					61	48	92	91	70			
27					60	48	94	93	71			
28					60	48	100	93	37			
29		-----			59	61	102	93	0			
30		-----			57	93	107	94	0			
31		-----		-----	59	-----	104	96	-----		-----	
TOTAL					1,369	1,793	3,179	3,018	2,457			
MEAN					44.2	59.8	103	97.4	81.9			
MAX					67	93	121	120	99			
MIN					0	48	85	87	0			
AC-FT					2,720	3,560	6,310	5,990	4,870			
SUMMARY 1990.--MAX	121		MIN	0	AC-FT	23,440						

# NORTH PLATTE RIVER BASIN

ENTERPRISE CANAL from Morrill Drain - 1990

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

GAGE.--Staff gage

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				1.0	0	0	0	.20	0			
2				1.0	0	0	0	.40	0			
3				.90	0	0	0	.60	0			
4				.80	0	0	0	.90	0			
5				.68	0	0	0	1.1	0			
6				.60	0	0	0	1.3	0			
7				.50	0	0	0	1.5	0			
8				.40	0	0	0	1.3	0			
9				.10	0	0	0	1.1	0			
10				0	0	0	0	.90	0			
11				0	0	0	0	.60	0			
12				0	0	0	0	.40	0			
13				0	0	0	0	.20	0			
14				0	0	0	0	0	0			
15				0	0	0	0	.20	0			
16				0	0	0	0	.40	0			
17				0	0	0	0	.60	0			
18				0	0	0	0	.70	0			
19				0	0	0	0	.90	0			
20				0	0	0	0	1.1	0			
21				0	0	0	0	1.3	0			
22				0	0	0	0	1.1	0			
23				0	0	0	0	.90	0			
24				0	0	0	0	.70	0			
25				0	0	0	0	.60	0			
26				0	0	0	0	.40	0			
27				0	0	0	0	.20	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	-----		-----	
TOTAL				5.98	0	0	0	19.60	0			
MEAN				.20	0	0	0	.63	0			
MAX				1.0	0	0	0	1.5	0			
MIN				0	0	0	0	0	0			
AC-FT				12	0	0	0	39	0			
SUMMARY 1990.--MAX	1.5		MIN	0	AC-FT	51						

## NORTH PLATTE RIVER BASIN

ENTERPRISE CANAL from Dry Spottedtail Creek - 1990

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

GAGE.--Staff gage

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

Total Diverted in 1990 0 Ac-Ft

# NORTH PLATTE RIVER BASIN

ENTERPRISE CANAL from Winters Creek - 1990

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

GAGE.--Staff gage

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

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	.95	1.6	1.7			
2					0	0	0	1.9	1.7			
3					0	0	0	1.9	1.7			
4					0	0	0	1.8	1.7			
5					0	0	0	1.8	1.7			
6					0	0	0	1.8	1.7			
7					0	0	0	1.7	1.7			
8					0	0	0	1.7	1.7			
9					0	0	0	1.7	1.7			
10					0	0	0	1.6	1.7			
11					0	0	0	1.7	1.7			
12					0	0	0	1.7	1.8			
13					0	0	0	1.7	1.8			
14					0	0	0	1.8	1.5			
15					0	0	0	1.8	1.3			
16					0	0	1.0	1.8	1.0			
17					0	0	1.3	1.8	.76			
18					0	0	1.6	1.7	0			
19					0	0	1.8	1.7	0			
20					0	0	1.6	1.6	0			
21					0	0	1.3	1.6	0			
22					0	0	1.0	1.5	0			
23					0	0	0	1.5	0			
24					0	.72	0	1.5	0			
25					0	.97	0	1.6	0			
26					0	1.2	0	1.6	0			
27					0	1.5	0	1.6	0			
28					0	1.7	0	1.7	0			
29		-----			0	1.4	.82	1.7	0			
30		-----			0	1.2	1.1	1.8	0			
31		-----		-----	0	-----	1.4	1.8	-----		-----	
TOTAL					0	8.69	13.87	52.7	26.86			
MEAN					0	.29	.45	1.70	.90			
MAX					0	1.7	1.8	1.9	1.8			
MIN					0	0	0	1.5	0			
AC-FT					0	17	28	105	53			
SUMMARY 1990.--MAX	1.9	MIN	0	AC-FT	203							



## NORTH PLATTE RIVER BASIN

DRY SPOTTEDTAIL CREEK at Mitchell - 1990

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1948 - present

REMARKS.--No gage height record December 21 - 31

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1990, 165 cubic feet per second on Sep. 21 at gage height 1.62 feet.  
Minimum daily discharge, 3.2 cubic feet per second on June 24.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	25	33	25	20	17	15	17	56	61	37	28	25
2	23	31	26	19	16	16	26	60	52	34	29	25
3	24	31	25	19	16	16	23	62	52	35	30	26
4	24	30	26	18	17	15	11	61	44	32	30	25
5	24	30	26	19	17	14	12	99	35	31	32	24
6	24	30	32	19	16	14	13	75	31	30	33	25
7	24	29	32	20	18	14	14	51	32	33	29	24
8	23	29	30	21	36	14	31	47	32	37	28	24
9	24	29	29	21	64	14	55	50	30	41	29	23
10	26	28	30	21	62	14	47	63	31	38	28	24
11	31	28	31	22	63	14	55	68	31	37	28	23
12	30	28	30	19	65	13	55	74	32	35	28	23
13	30	27	30	12	64	13	55	76	32	33	26	23
14	29	28	29	13	70	13	52	71	36	29	25	23
15	28	29	28	15	67	14	50	73	35	31	24	23
16	26	27	28	15	65	13	38	63	39	29	22	23
17	26	27	27	14	65	14	44	58	53	30	25	22
18	26	28	26	16	40	15	46	56	54	30	25	23
19	26	27	27	16	20	13	49	53	66	30	25	23
20	28	26	27	16	52	11	59	60	79	32	22	22
21	26	26	26	16	20	7.5	65	55	111	31	21	22
22	23	26	24	17	16	6.5	54	53	140	31	21	22
23	26	26	22	17	17	7.9	54	51	89	30	26	22
24	25	26	22	17	17	3.2	48	48	65	29	25	22
25	22	26	22	17	17	10	45	47	40	29	24	21
26	20	26	22	17	18	21	45	46	18	29	28	21
27	22	27	22	16	18	5.4	53	48	16	30	28	21
28	23	26	22	18	18	7.9	54	53	42	30	28	20
29	23	-----	21	16	16	6.6	57	53	40	30	27	20
30	30	-----	21	18	16	16	64	53	37	30	26	20
31	38	-----	20	-----	15	-----	60	56	-----	28	-----	20
TOTAL	799	784	808	524	1,038	371.0	1,351	1,839	1,455	991	800	704
MEAN	25.8	28.0	26.1	17.5	33.5	12.4	43.6	59.3	48.5	32.0	26.7	22.7
MAX	38	33	32	22	70	21	65	99	140	41	33	26
MIN	20	26	20	12	15	3.2	11	46	16	28	21	20
AC-FT	1,580	1,560	1,600	1,040	2,060	736	2,680	3,650	2,890	1,970	1,590	1,400
SUMMARY 1990.--TOTAL	11,464.0		MEAN	31.4	MAX	140	MIN	3.2	AC-FT	22,740		

# NORTH PLATTE RIVER BASIN

TUB SPRINGS near Scottsbluff - 1990

LOCATION.--SW1/4SW1/4 Sec. 33-23-55 W.

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 161 cubic feet per second on May 20, gage height 1.56 feet.  
Minimum daily discharge 13 cubic feet per second, June 27.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	33	29	30	26	25	65	23	33	32	45	38	32
2	33	30	29	25	25	67	20	32	32	43	40	32
3	33	29	29	25	25	70	19	33	39	40	41	32
4	33	29	29	25	26	71	21	50	40	38	41	32
5	33	29	28	25	26	68	21	57	37	37	43	31
6	34	29	32	24	26	63	19	60	41	37	42	31
7	34	29	31	24	26	59	22	51	46	40	41	31
8	32	28	31	24	28	57	26	32	47	43	39	32
9	32	28	30	25	31	53	29	26	47	41	41	31
10	31	28	30	25	30	53	23	28	50	40	40	31
11	31	28	30	25	27	52	30	30	48	40	38	31
12	30	29	29	24	26	49	23	40	45	40	38	31
13	30	29	29	25	26	48	24	60	45	40	38	30
14	30	29	28	25	26	47	25	68	47	41	38	30
15	30	29	28	25	25	48	25	66	45	41	37	30
16	30	30	28	26	25	54	25	67	46	40	37	29
17	30	30	28	25	25	56	24	52	48	41	37	29
18	30	30	27	25	35	55	21	35	52	40	37	28
19	31	30	27	25	67	48	21	32	56	40	37	28
20	32	30	27	25	84	44	26	32	76	42	36	28
21	31	30	26	25	71	38	45	32	83	42	35	28
22	31	30	26	25	72	34	52	32	85	42	34	27
23	31	31	26	25	38	30	48	32	86	42	33	27
24	31	31	26	25	39	25	35	30	86	42	33	27
25	31	31	26	25	61	19	29	32	80	40	33	27
26	31	31	27	25	60	14	31	34	77	40	33	26
27	31	30	26	25	60	13	29	34	74	40	33	27
28	31	30	26	25	61	13	30	33	75	40	33	27
29	30	-----	26	25	63	13	32	30	48	39	32	26
30	29	-----	26	25	65	15	35	30	46	38	31	26
31	29	-----	26	-----	64	-----	32	32	-----	39	-----	26
TOTAL	968	826	867	748	1,288	1,341	865	1,235	1,659	1,253	1,109	903
MEAN	31.2	29.5	28.0	24.9	41.5	44.7	27.9	39.8	55.3	40.4	37.0	29.1
MAX	34	31	32	26	84	71	52	68	86	45	43	32
MIN	29	28	26	24	25	13	19	26	32	37	31	26
AC-FT	1,920	1,640	1,720	1,480	2,550	2,660	1,720	2,450	3,290	2,490	2,200	1,790

SUMMARY 1990.--TOTAL 13,062 MEAN 35.8 MAX 86 MIN 13 AC-FT 25,910

## NORTH PLATTE RIVER BASIN

WINTERS CREEK CANAL from North Platte River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	11	33	24	25			
2					0	11	31	23	25			
3					0	11	30	23	24			
4					0	10	29	23	24			
5					0	10	27	24	23			
6					0	9.3	26	24	23			
7					0	9.9	27	22	24			
8					0	9.9	25	22	23			
9					0	9.5	23	21	24			
10					0	11	22	22	24			
11					0	13	21	21	23			
12					0	13	22	22	22			
13					0	16	22	21	22			
14					8.3	16	23	20	22			
15					14	17	23	20	22			
16					13	16	23	20	21			
17					11	16	22	21	22			
18					11	15	23	22	21			
19					11	14	22	22	22			
20					12	14	24	23	23			
21					12	14	25	23	23			
22					11	14	24	24	26			
23					11	14	25	24	29			
24					12	14	27	24	27			
25					12	15	28	24	19			
26					11	20	28	23	16			
27					11	25	27	23	17			
28					10	29	25	23	7.3			
29		-----			11	28	24	23	0			
30		-----			11	31	25	23	0			
31		-----		-----	12	-----	24	24	-----		-----	
TOTAL					204.3	456.6	780	698	623.3			
MEAN					6.59	15.2	25.2	22.5	20.8			
MAX					14	31	33	24	29			
MIN					0	9.3	21	20	0			
AC-FT					405	906	1,550	1,380	1,240			
SUMMARY 1990.--MAX	33		MIN	0	AC-FT	5,480						

# NORTH PLATTE RIVER BASIN

WINTERS CREEK CANAL from Winters Creek - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	12	35	35	44			
2					0	12	30	38	45			
3					0	11	27	42	46			
4					0	11	33	18	46			
5					0	10	35	0	45			
6					0	10	32	0	42			
7					0	13	33	23	38			
8					0	12	38	34	37			
9					0	11	42	38	38			
10					0	12	39	40	40			
11					0	12	.01	43	38			
12					0	13	12	45	35			
13					0	14	22	42	34			
14					0	14	25	40	34			
15					0	14	29	41	34			
16					0	6.2	29	41	31			
17					0	0	37	40	33			
18					5.6	0	40	39	31			
19					13	0	39	41	35			
20					11	0	42	41	38			
21					7.1	0	35	40	38			
22					9.6	0	24	39	43			
23					14	0	24	38	31			
24					21	0	34	39	29			
25					16	5.2	40	39	28			
26					11	15	39	39	28			
27					10	19	39	40	28			
28					10	25	39	41	12			
29		-----			11	24	37	43	0			
30		-----			12	29	21	45	0			
31		-----		-----	12	-----	32	44	-----		-----	
TOTAL					163.3	304.4	983.01	1,128	1,001			
MEAN					5.27	10.1	31.7	36.4	33.4			
MAX					21	29	42	45	46			
MIN					0	0	.01	0	0			
AC-FT					324	604	1,950	2,240	1,990			
SUMMARY 1990.--MAX		46	MIN	0	AC-FT	7,100						

## NORTH PLATTE RIVER BASIN

WINTERS CREEK FACTORY LATERAL from Winters Creek - 1990

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

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

PERIOD OF RECORD.--1937 - present

Total Diversion 1990.--0 AC-FT

# NORTH PLATTE RIVER BASIN

CENTRAL CANAL from North Platte River - 1990

LOCATION.--MW1/4NW1/4 Sec. 36-22-55 W. near Gering

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1919 - present

REMARKS.--Estimated discharges June 2 - 4

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	11	28	29	26	0		
2					0	10	29	29	28	0		
3					0	10	29	29	27	0		
4					0	6.0	29	29	27	0		
5					0	0	28	27	30	0		
6					0	0	25	27	27	0		
7					0	0	27	29	26	0		
8					0	0	28	29	26	0		
9					0	0	34	29	26	0		
10					0	0	30	30	27	0		
11					0	0	28	28	26	0		
12					0	0	27	27	21	0		
13					0	0	28	27	17	0		
14					0	0	28	27	24	0		
15					0	19	27	27	26	0		
16					0	19	27	27	26	0		
17					0	26	28	27	27	0		
18					0	33	28	29	28	0		
19					0	32	26	29	28	0		
20					0	30	27	30	29	0		
21					0	29	28	29	27	0		
22					0	27	29	29	27	0		
23					0	24	28	29	28	0		
24					0	22	29	29	28	0		
25					0	23	28	28	27	0		
26					0	22	27	28	27	0		
27					0	20	28	28	15	0		
28					0	29	30	27	1.1	0		
29		-----			0	25	30	26	0	0		
30		-----			0	24	29	26	0	0		
31		-----		-----	1.4	-----	29	26	-----	0	-----	
TOTAL					1.4	441.0	876	870	702.1	0		
MEAN					.045	14.7	28.3	28.1	23.4	0		
MAX					1.4	33	34	30	30	0		
MIN					0	0	25	26	0	0		
AC-FT					2.8	875	1,740	1,730	1,390	0		
SUMMARY 1990.--MAX		34	MIN	0	AC-FT	5,730						

## NORTH PLATTE RIVER BASIN

WINTERS CREEK near Scottsbluff - 1990

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1931 - present

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.--Maximum discharge calendar year 1990, 377 cubic feet per second on July 11, gage height 5.00 feet.  
 Minimum daily discharge, 7.3 cubic feet per second, June 29.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	45	34	43	44	36	31	11	39	46	54	46	38
2	44	35	42	42	36	32	9.9	35	47	54	47	38
3	43	34	42	40	35	30	10	38	47	53	48	38
4	43	34	41	38	35	29	15	76	42	52	48	39
5	42	35	40	37	35	28	15	102	42	51	49	38
6	41	35	46	34	34	28	14	99	40	51	49	37
7	41	36	46	31	36	31	15	66	35	53	47	37
8	40	43	46	30	38	29	16	44	36	54	47	37
9	38	43	47	29	41	29	17	37	38	53	46	37
10	38	43	49	31	37	25	14	35	43	51	45	36
11	38	43	48	33	36	25	118	38	42	50	45	36
12	39	43	47	35	36	26	59	47	40	50	44	35
13	39	44	47	37	37	28	39	47	37	49	43	35
14	38	44	47	37	37	28	38	34	35	49	42	37
15	37	44	48	38	39	31	43	33	34	49	42	36
16	37	45	48	38	44	48	38	32	29	50	43	37
17	36	44	48	38	42	56	22	31	35	49	44	37
18	36	44	47	38	30	55	18	33	33	49	43	36
19	37	44	45	38	21	55	16	40	43	49	43	36
20	37	43	44	38	32	54	28	46	48	48	43	35
21	37	43	44	38	33	53	59	42	52	48	42	34
22	37	43	45	37	29	56	67	45	92	47	40	34
23	37	44	48	36	28	45	57	44	69	47	40	34
24	36	43	49	36	35	41	32	44	59	48	40	34
25	36	43	48	36	34	31	27	43	57	48	41	34
26	36	43	48	36	32	23	28	41	58	48	41	33
27	35	43	49	36	32	14	26	41	56	47	40	34
28	35	43	53	37	31	11	27	37	66	47	40	34
29	35	-----	51	37	32	7.3	56	36	56	48	39	34
30	34	-----	49	37	34	7.4	62	41	54	48	38	34
31	34	-----	47	-----	34	-----	43	44	-----	46	-----	33
TOTAL	1,181	1,155	1,442	1,092	1,071	986.7	1,039.9	1,410	1,411	1,540	1,305	1,107
MEAN	38.1	41.3	46.5	36.4	34.5	32.9	33.5	45.5	47.0	49.7	43.5	35.7
MAX	45	45	53	44	44	56	118	102	92	54	49	39
MIN	34	34	40	29	21	7.3	9.9	31	29	46	38	33
AC-FT	2,340	2,290	2,860	2,170	2,120	1,960	2,060	2,800	2,800	3,050	2,590	2,200
SUMMARY 1990.--TOTAL		14,740.6	MEAN	40.4	MAX	118	MIN	7.3	AC-FT	29,240		

# NORTH PLATTE RIVER BASIN

CASTLE ROCK - STEAMBOAT CANAL from North Platte River - 1990

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916, 1918 - present

REMARKS.--Estimated discharges May 3 and June 21

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	54	77	82	75	54		
2					0	54	84	77	67	54		
3					25	51	79	77	57	53		
4					35	51	79	81	57	44		
5					39	51	79	80	60	8.1		
6					38	51	79	79	66	0		
7					38	49	81	76	65	0		
8					38	47	84	75	66	0		
9					35	46	86	80	69	0		
10					30	44	84	82	63	0		
11					29	43	81	86	62	0		
12					30	47	77	88	61	0		
13					30	46	78	88	67	0		
14					29	45	80	88	69	0		
15					29	39	80	87	69	0		
16					28	7.7	82	86	69	0		
17					28	0	82	85	70	0		
18					28	0	84	85	71	0		
19					33	0	85	79	71	0		
20					39	0	84	79	67	0		
21					40	30	76	83	64	0		
22					39	47	77	83	62	0		
23					39	45	75	82	60	0		
24					38	40	73	81	58	0		
25					51	52	77	79	58	0		
26					55	62	75	79	60	0		
27					59	66	75	78	62	0		
28					59	71	79	75	62	0		
29		-----			58	72	83	78	60	0		
30		-----			54	76	85	79	55	0		
31		-----		-----	55	-----	82	78	-----	0	-----	
TOTAL					1,128	1,286.7	2,482	2,515	1,922	213.1		
MEAN					36.4	42.9	80.1	81.1	64.1	6.87		
MAX					59	76	86	88	75	54		
MIN					0	0	73	75	55	0		
AC-FT					2,240	2,550	4,920	4,990	3,810	423		
SUMMARY 1990.--MAX		88	MIN	0	AC-FT	18,940						



## NORTH PLATTE RIVER BASIN

MINATARE CANAL from North Platte River - 1990

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1919 - present

REMARKS.--Estimated discharges June 19 &amp; 20 and July 7 &amp; 8

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	46	50	90	86	43		
2					0	45	46	89	86	40		
3					0	43	58	89	87	42		
4					0	42	64	90	88	41		
5					0	40	64	91	90	41		
6					0	38	61	89	89	40		
7					0	40	62	83	89	40		
8					0	41	72	80	86	38		
9					0	41	84	79	84	32		
10					0	38	88	79	80	22		
11					0	37	86	82	79	2.4		
12					0	37	85	83	77			
13					0	36	80	81	75	0		
14					0	35	80	77	75	0		
15					0	36	81	77	75	0		
16					0	41	83	80	77	0		
17					14	37	83	82	80	0		
18					21	37	86	82	82	0		
19					24	39	86	81	79	0		
20					34	40	88	82	78	0		
21					34	41	91	82	78	0		
22					34	42	92	82	73	0		
23					38	42	88	82	65	0		
24					41	43	83	83	58	0		
25					40	43	82	83	55	0		
26					41	46	82	82	56	0		
27					42	47	82	81	58	0		
28					43	56	84	81	56	0		
29		-----			45	56	88	81	55	0		
30		-----			47	57	90	82	51	0		
31		-----		-----	49	-----	91	83	-----	0	-----	
TOTAL					547	1,262	2,440	2,568	2,247	381.4		
MEAN					17.6	42.1	78.7	82.8	74.9	12.7		
MAX					49	57	92	91	90	43		
MIN					0	35	46	77	51	0		
AC-FT					1,080	2,500	4,840	5,090	4,460	757		
SUMMARY 1990.--MAX		92	MIN	0	AC-FT	18,730						

# NORTH PLATTE RIVER BASIN

MELBETA DRAIN near Melbeta - 1990

LOCATION.--SE1/4SW1/4 Sec. 13-21-54 W.

GAGE.--Staff gage

PERIOD OF RECORD.--1922 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					205	19	37	22	2.8			
2					211	16	54	13	2.9			
3					193	17	44	9.0	2.9			
4					102	16	60	18	15			
5					46	16	10	131	7.3			
6					41	16	69	31	3.9			
7					42	17	128	17	59			
8					42	18	138	20	15			
9					53	15	236	3.8	10			
10					69	12	254	9.4	4.7			
11					47	16	182	42	4.2			
12					48	15	109	121	3.9			
13					44	14	91	117	1.6			
14					40	14	103	137	.76			
15					36	15	163	163	48			
16					32	16	158	86	45			
17					28	15	197	42	40			
18					27	14	141	20	53			
19					26	13	125	12	81			
20					32	12	105	27	41			
21					23	12	196	5.1	39			
22					21	11	126	1.6	296			
23					21	11	64	2.8	358			
24					19	25	11	2.8	330			
25					19	13	9.0	2.8E	387			
26					19	1.1	6.4	2.7E	502			
27					19	1.1	23	2.5E	557			
28					19	1.7	45	2.5	601			
29		-----			22	16	44	1.5	622			
30		-----			23	15	101	2.0	553			
31		-----		-----	24	-----	60	2.4	-----		-----	
TOTAL					1,593	412.9	3,089.4	1,069.9	4,686.96			
MEAN					51.4	13.8	99.7	34.5	156			
MAX					211	25	254	163	622			
MIN					19	1.1	6.4	1.5	.76			
AC-FT					3,160	819	6,130	2,120	9,300			
SUMMARY 1990.--MAX		622	MIN	.76	AC-FT	21,530						

## NORTH PLATTE RIVER BASIN

NINE MILE CANAL from North Platte River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	28	115	31	35	15		
2					0	34	87	31	37	13		
3					0	32	55	29	38	10		
4					0	31	27	30	38	7.7		
5					0	29	24	32	33	5.5		
6					0	31	18	32	28	2.5		
7					0	30	13	29	27	.60		
8					0	27	0	26	28	.02		
9					0	26	23	26	29	0		
10					17	25	34	29	28	0		
11					28	24	41	26	28	0		
12					27	24	44	26	27	0		
13					28	23	44	25	24	0		
14					32	23	44	23	23	0		
15					29	33	45	24	24	0		
16					26	51	45	25	25	0		
17					26	45	47	26	26	0		
18					24	42	47	24	25	0		
19					24	40	45	23	26	0		
20					29	37	46	24	28	0		
21					31	30	48	23	28	0		
22					24	34	47	22	30	0		
23					20	41	39	26	31	0		
24					8.8	44	36	29	24	0		
25					6.9	43	35	31	26	0		
26					13	43	34	31	28	0		
27					20	43	35	31	28	0		
28					18	41	36	31	28	0		
29		-----			19	33	38	33	25	0		
30		-----			21	15	40	34	17	0		
31		-----		-----	22	-----	37	34	-----	0	-----	
TOTAL					493.7	1,002	1,269	866	842	54.32		
MEAN					15.9	33.4	40.9	27.9	28.1	1.75		
MAX					32	51	115	34	38	15		
MIN					0	15	0	22	17	0		
AC-FT					979	1,990	2,520	1,720	1,670	108		
SUMMARY 1990.--MAX		115	MIN	0	AC-FT	8,980						

# NORTH PLATTE RIVER BASIN

NINE MILE CANAL from Ninemile Creek - 1990

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

GAGE.--Staff gage

PERIOD OF RECORD.--1988 - present

REMARKS.--Estimated discharges May 26, 28; June 3, 9, 16, 17, 24; July 1, 4, 8, 15, 22; August 4, 12, 19, 26; September 1, 3, 9, 16, 23, 30; October 4 - 7

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	29	25	55	44	30		
2					0	36	56	58	46	28		
3					0	34	48	50	48	28		
4					0	31	45	47	50	28		
5					0	24	41	44	50	20		
6					0	24	37	41	58	10		
7					0	31	36	40	48	10		
8					0	31	36	43	51	0		
9					0	30	0	45	48	0		
10					0	30	38	45	44	0		
11					0	30	36	42	47	0		
12					0	16	32	48	46	0		
13					0	30	32	55	38	0		
14					0	28	35	49	42	0		
15					0	30	39	49	43	0		
16					0	30	43	49	43	0		
17					0	29	34	48	43	0		
18					0	29	46	45	46	0		
19					0	29	44	45	47	0		
20					0	29	48	45	49	0		
21					0	25	46	46	50	0		
22					0	25	47	46	50	0		
23					18	21	49	48	46	0		
24					10	22	45	46	44	0		
25					8.9	24	48	46	41	0		
26					16	21	50	46	43	0		
27					40	23	53	46	43	0		
28					39	34	58	48	42	0		
29		-----			38	42	65	47	40	0		
30		-----			40	0	61	52	35	0		
31		-----		-----	34	-----	61	43	-----	0	-----	
TOTAL					243.9	817	1,334	1,457	1,365	154		
MEAN					7.87	27.2	43.0	47.0	45.5	4.97		
MAX					40	42	65	58	58	30		
MIN					0	0	0	40	35	0		
AC-FT					484	1,620	2,650	2,890	2,710	305		
SUMMARY 1990.--MAX	65		MIN	0	AC-FT	10,650						

## NORTH PLATTE RIVER BASIN

NINE MILE CREEK near McGrew - 1990

LOCATION.--SE1/4SE1/4 Sec. 23-21-53 W.

PERIOD OF RECORD.--1932 - present

GAGE.--Continuous stage recorder

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 472 cubic feet per second, July 29, gage height 4.88  
Minimum daily discharge 27 cubic feet per second, June 14.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	73	66	63	62	58	53	79	143	120	99	91	73
2	74	66	63	62	59	57	63	137	125	104	91	72
3	73	67	64	62	59	53	50	137	123	102	90	72
4	72	66	64	63	59	50	37	149	120	105	89	72
5	72	66	63	63	58	47	34	160	126	112	90	71
6	70	65	69	63	57	48	32	165	115	114	89	71
7	72	64	66	62	58	44	33	157	113	114	87	71
8	72	64	65	62	61	40	78	144	111	117	87	71
9	72	65	66	63	63	36	66	127	110	117	88	71
10	73	65	68	62	68	35	47	114	115	115	87	71
11	72	65	68	61	66	34	75	123	125	112	86	71
12	71	65	67	60	58	38	72	143	125	108	85	70
13	72	64	67	60	58	29	73	131	115	108	84	70
14	72	62	67	60	57	27	71	126	103	107	84	70
15	72	64	66	62	56	34	74	125	102	106	83	70
16	72	63	65	59	55	61	74	117	96	105	82	70
17	71	64	65	58	56	61	71	112	100	103	82	70
18	70	64	64	59	57	60	75	111	105	105	81	70
19	69	64	65	59	58	55	80	119	117	104	80	68
20	69	64	65	58	58	52	95	124	126	102	80	67
21	69	64	65	59	58	44	108	123	125	100	78	70
22	70	64	64	60	56	47	104	118	153	99	78	71
23	70	65	64	59	42	54	97	110	135	98	77	68
24	68	65	64	59	45	57	88	111	116	97	77	66
25	69	65	64	59	50	56	85	117	111	97	76	67
26	68	64	65	59	43	54	88	123	107	96	75	67
27	67	64	64	59	43	47	88	126	103	94	75	67
28	67	64	63	59	41	39	92	118	107	93	74	66
29	68	-----	64	58	44	46	159	117	104	93	74	64
30	68	-----	63	58	44	66	168	117	94	92	74	65
31	66	-----	63	-----	49	-----	150	116	-----	92	-----	66
TOTAL	2,183	1,808	2,013	1,809	1,694	1,424	2,506	3,960	3,447	3,210	2,474	2,148
MEAN	70.4	64.6	64.9	60.3	54.6	47.5	80.8	128	115	104	82.5	69.3
MAX	74	67	69	63	68	66	168	165	153	117	91	73
MIN	66	62	63	58	41	27	32	110	94	92	74	64
AC-FT	4,330	3,590	3,990	3,590	3,360	2,820	4,970	7,850	6,840	6,370	4,910	4,260

SUMMARY 1990.--TOTAL 28,676 MEAN 78.6 MAX 168 MIN 27 AC-FT 56,880

# NORTH PLATTE RIVER BASIN

SHORT LINE CANAL from North Platte River - 1990

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916, 1920 - present

REMARKS.--Estimated discharges April 18, 19

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	25	25	15	26	24	13		
2				0	26	20	16	24	24	14		
3				0	25	19	18	23	24	13		
4				0	26	19	14	24	24	5.3		
5				0	26	25	11	25	24	0		
6				0	26	24	11	23	23	0		
7				0	26	22	16	18	22	0		
8				0	30	20	6.7	17	23	0		
9				0	13	19	11	18	23	0		
10				0	0	19	19	16	23	0		
11				0	0	20	20	16	24	0		
12				0	0	24	20	22	22	0		
13				0	7.5	20	21	20	19	0		
14				0	9.8	19	21	19	18	0		
15				0	9.7	20	20	19	18	0		
16				0	9.7	22	20	17	17	0		
17				0	9.6	22	21	15	18	0		
18				14	9.5	20	23	15	19	0		
19				29	9.8	18	23	15	19	0		
20				29	10	18	26	22	15	0		
21				29	22	24	27	23	15	0		
22				30	29	30	25	23	17	0		
23				26	22	34	22	21	17	0		
24				24	23	29	22	21	14	0		
25				25	25	25	22	21	13	0		
26				25	21	25	24	21	12	0		
27				24	20	25	26	22	12	0		
28				25	19	26	26	22	13	0		
29		-----		25	20	14	30	24	13	0		
30		-----		25	20	0	21	25	12	0		
31		-----		-----	23	-----	24	24	-----	0	-----	
TOTAL				330	542.6	647	621.7	641	561	45.3		
MEAN				11.0	17.5	21.6	20.1	20.7	18.7	1.46		
MAX				30	30	34	30	26	24	14		
MIN				0	0	0	6.7	15	12	0		
AC-FT				655	1,080	1,280	1,230	1,270	1,110	90		
SUMMARY 1990.--MAX		34	MIN	0	AC-FT	6,720						

## NORTH PLATTE RIVER BASIN

CHIMNEY ROCK CANAL from North Platte River - 1990

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916 - present

REMARKS.--Estimated discharges May 11, 12, 14, 15

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	23	60	27	34	30		
2					0	26	59	28	51	30		
3					0	22	59	34	50	30		
4					0	21	58	36	49	30		
5					0	20	60	38	49	30		
6					0	22	63	40	48	29		
7					0	25	64	32	48	18		
8					3.6	26	66	33	49	20		
9					0	28	67	51	51	27		
10					0	24	77	56	51	26		
11					16	20	80	57	52	26		
12					8.0	20	80	57	53	26		
13					0	19	80	55	51	27		
14					4.0	19	81	54	53	0		
15					6.0	22	81	55	46	0		
16					8.0	24	81	57	44	0		
17					14	21	81	57	46	0		
18					16	18	81	57	42	0		
19					7.6	19	80	57	38	0		
20					14	20	81	57	38	0		
21					15	26	67	57	35	0		
22					15	26	58	57	36	0		
23					16	25	58	57	37	0		
24					18	24	56	58	33	0		
25					20	27	51	59	30	0		
26					23	28	66	58	31	0		
27					22	30	79	57	31	0		
28					26	27	76	56	31	0		
29		-----			29	29	70	55	31	0		
30		-----			28	46	15	58	31	0		
31		-----		-----	26	-----	27	42	-----	0	-----	
TOTAL					335.2	727	2,062	1,552	1,269	349		
MEAN					10.8	24.2	66.5	50.1	42.3	11.3		
MAX					29	46	81	59	53	30		
MIN					0	18	15	27	30	0		
AC-FT					665	1,440	4,090	3,080	2,520	692		
SUMMARY 1990.--MAX		81	MIN	0	AC-FT	12,480						

# NORTH PLATTE RIVER BASIN

CLEVELAND DRAIN near Bayard - 1990

LOCATION.--SW1/4SW1/4 Sec. 6-20-52 W.

GAGE.--Staff gage

PERIOD OF RECORD.--1930 - present

REMARKS.--# symbol denotes days when discharge measurements are made. Staff gage is read daily May - September. Daily discharges are prorated between measurements remaining months.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	.90	.90	.70	1.5	2.0	7.5	8.5	11	12	15	2.2	1.5
2	.90	.80	.70	1.5	1.3#	13	8.1	11	14	15	2.2	1.4
3	.90	.80	.70	1.5	2.0	12	5.4	11	12	18 #	2.2	1.4
4	.90	.80	.60	1.6	1.6	11	3.2	12	11	17	2.3	1.3#
5	.90	.80	.60#	1.6#	1.6	6.4	1.0	12	8.6	16	2.4	1.3
6	.90	.80	.60	1.6	1.5	9.7	1.0	14	9.7	16	2.4	1.3
7	.90	.80#	.70	1.6	1.4	12	1.0	14	9.0	15	2.4	1.3
8	.90	.80	.70	1.6	1.2	11	2.8	14 #	26	14	2.5#	1.3
9	.90	.80	.70	1.7	5.2	9.9	4.6	9.0	26	13	2.5	1.3
10	.90#	.80	.80	1.7	4.1	8.8	6.8	8.1	26	12	2.4	1.3
11	.90	.80	.80	1.7	5.7	9.4	5.0#	7.7	27	11	2.4	1.3
12	.90	.80	.80	1.7	7.3	9.4	5.9	8.4	15 #	11	2.4	1.3
13	.90	.80	.90	1.7	7.4	13 #	5.9	9.2	15	9.8	2.4	1.3
14	1.0	.80	.90	1.7	7.6	12	5.9	9.2	11	9.0	2.4	1.2
15	1.0	.90	.90	1.8	6.9	13	5.4	9.5	12	8.2	2.3	1.2
16	1.0	.90	1.0	1.8	4.4#	30	4.9	9.2	12	7.4	2.3	1.2
17	1.0 #	.90	1.0	1.8	3.7	16	5.0	13	12	6.6	2.3	1.2
18	1.0	.90	1.0	1.8	2.6	2.5	3.2	13	12	5.8	2.2	1.2
19	1.0	.90	1.0	1.8	6.0	1.3	3.0	13	11	5.0	2.2	1.2
20	1.0	.90	1.1	1.8	12	2.0	4.0	13	12	4.1	2.2#	1.2
21	1.0	.90	1.1	1.8	18	2.0	8.1	9.5	18	3.3	2.1	1.1
22	1.0	.90	1.1	1.9	17	2.1	10	7.5	19	2.5	2.1	1.1
23	.90	.90	1.2	1.9	18	2.1	13	10	18	1.7#	2.0	1.1
24	.90	.80	1.2	1.9	18	2.6	15	11	18	1.8	1.9	1.1
25	.90	.80	1.2	1.9	22	3.0	12 #	13	17	1.8	1.9	1.1
26	.90	.80	1.3	1.9	18	5.8	9.8	12	15	1.8	1.8	1.1
27	.90	.80	1.3	1.9	13	6.5#	5.9	12	15	1.9	1.8	1.1
28	.90	.70	1.3	1.9	13	9.0	7.4	12	14	2.0	1.7	1.0
29	.90	-----	1.4	2.0	13	7.3	9.7	11 #	15	2.0	1.6	1.0
30	.90	-----	1.4	2.0	13 #	8.9	12	10	15	2.0	1.6	1.0
31	.90	-----	1.4	-----	12	-----	12	9.4	-----	2.1	-----	1.0
TOTAL	28.80	23.30	30.10	52.6	260.5	259.2	205.5	338.7	457.3	251.8	65.1	37.4
MEAN	.93	.83	.97	1.75	8.40	8.64	6.63	10.9	15.2	8.12	2.17	1.21
MAX	1.0	.90	1.4	2.0	22	30	15	14	27	18	2.5	1.5
MIN	.90	.70	.60	1.5	1.2	1.3	1.0	7.5	8.6	1.7	1.6	1.0
AC-FT	57	46	60	104	517	514	408	672	907	499	129	74

SUMMARY 1990.--TOTAL 2,010.30 MEAN 5.51 MAX 30 MIN .60 AC-FT 3,990



## NORTH PLATTE RIVER BASIN

BAYARD SUGAR FACTORY DRAIN near Bayard - 1990

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1931 - present

REMARKS.--Estimated discharges February 15, 16

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, 0.62 cubic feet per second on April 27 & 28.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	18	12	18	20	1.8	4.9	11	70	44	18	20	19
2	18	16	18	20	.94	5.7	8.2	68	45	15	20	18
3	18	20	18	20	.70	2.7	6.4	63	45	21	21	18
4	18	19	18	20	.70	2.8	7.2	62	42	20	20	18
5	18	19	18	20	.71	2.6	6.2	70	39	15	22	18
6	18	18	23	20	1.2	2.4	7.8	72	41	10	23	18
7	17	19	20	20	1.6	4.4	6.8	67	43	14	20	18
8	18	19	20	19	4.5	4.7	20	58	43	24	20	18
9	19	18	23	20	7.8	3.1	16	57	39	23	22	18
10	19	19	23	21	1.8	2.9	9.3	56	24	22	21	18
11	19	19	21	19	4.0	3.2	15	52	26	21	19	18
12	17	19	20	9.4	9.5	5.4	13	66	24	21	19	18
13	19	18	20	2.1	12	1.3	11	68	22	21	19	18
14	19	18	20	.75	12	1.1	15	67	22	20	19	18
15	19	18	19	1.1	5.8	14	16	64	20	20	19	18
16	19	18	18	1.2	.90	40	17	63	21	20	18	18
17	20	18	20	1.3	.92	22	18	60	22	21	18	18
18	19	18	22	1.2	.92	13	17	58	23	23	19	17
19	20	18	22	2.2	1.2	12	18	59	22	23	19	16
20	21	18	22	1.1	1.4	11	20	58	26	23	19	15
21	20	19	22	2.4	1.8	7.4	30	45	26	22	19	20
22	20	19	21	1.8	2.3	7.5	40	49	26	22	19	19
23	20	19	21	1.9	4.4	11	40	53	23	22	18	15
24	21	18	22	1.4	4.8	11	45	53	22	22	18	15
25	20	19	22	1.5	6.4	10	52	53	19	21	19	15
26	21	19	22	.77	5.1	12	49	54	17	21	19	15
27	19	21	22	.62	5.8	13	46	52	21	21	19	15
28	18	18	21	.62	5.0	13	45	48	22	21	19	15
29	17	-----	20	.64	9.4	32	51	48	23	21	20	14
30	17	-----	22	.68	8.2	22	86	41	20	20	20	14
31	16	-----	21	-----	7.5	-----	82	41	-----	20	-----	14
TOTAL	582	513	639	251.68	131.09	298.1	824.9	1,795	852	628	587	526
MEAN	18.8	18.3	20.6	8.39	4.23	9.94	26.6	57.9	28.4	20.3	19.6	17.0
MAX	21	21	23	21	12	40	86	72	45	24	23	20
MIN	16	12	18	.62	.70	1.1	6.2	41	17	10	18	14
AC-FT	1,150	1,020	1,270	499	260	591	1,640	3,560	1,690	1,250	1,160	1,040

SUMMARY 1990.--TOTAL 7,627.77 MEAN 20.9 MAX 86 MIN .62 AC-FT 15,130

# NORTH PLATTE RIVER BASIN

ALLIANCE CANAL from Bayard Sugar Factory Drain - 1990

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

REMARKS.--Estimated discharge April 12

Missing gage height record April 16 - 19; June 7; July 5, 31; August 1.2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	25	27	22	4.0	12	21		
2				0	20	28	19	2.4	12	18		
3				0	16	23	23	1.7	11	21		
4				0	17	23	26	1.5	8.4	20		
5				0	17	22	24	3.7	6.4	18		
6				0	21	21	23	4.3	6.8	8.6		
7				0	22	30	19	2.1	8.9	7.5		
8				0	27	28	8.9	1.1	9.4	2.4		
9				0	29	24	7.1	.91	12	4.4		
10				0	22	23	24	.92	26	5.2		
11				0	26	23	29	.71	27	4.5		
12				12	33	28	28	2.1	26	4.3		
13				16	35	21	27	2.9	24	4.5		
14				16	36	20	25	3.0	23	5.6		
15				16	30	24	22	2.1	22	5.7		
16				17	21	28	24	1.9	21	6.0		
17				18	19	27	26	1.6	21	7.3		
18				19	17	26	27	1.4	22	8.8		
19				20	16	25	28	1.2	21	9.5		
20				20	21	25	30	1.1	22	10		
21				25	23	20	30	5.4	23	9.3		
22				24	24	19	19	9.2	23	9.3		
23				25	29	23	19	7.7	23	4.9		
24				23	30	22	16	6.1	23	0		
25				26	32	20	8.2	4.2	22	0		
26				23	30	18	7.1	4.5	22	0		
27				19	29	18	5.9	4.5	24	0		
28				17	27	20	5.4	4.0	25	0		
29		-----		17	30	13	8.5	4.0	25	0		
30		-----		19	29	8.3	22	6.9	23	0		
31		-----		-----	29	-----	5.0	9.0	-----	0	-----	
TOTAL				372	782	677.3	608.1	106.14	574.9	215.8		
MEAN				12.4	25.2	22.6	19.6	3.42	19.2	6.96		
MAX				26	36	30	30	9.2	27	21		
MIN				0	16	8.3	5.0	.71	6.4	0		
AC-FT				738	1,550	1,340	1,210	211	1,140	428		
SUMMARY 1990.--MAX		36	MIN	0	AC-FT	6,620						

## NORTH PLATTE RIVER BASIN

RED WILLOW CREEK near Bayard - 1990

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1931 - present

REMARKS.--Missing gage height record November 5, 6; December 21 - 31

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1990, 1590 cubic feet per second on June 15, gage height 7.72 feet.  
Minimum daily discharge, 30 cubic feet per second on May 7 & June 27.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	57	52	49	47	37	75	60	95	68	88	66	59
2	57	51	49	47	37	89	61	91	69	89	65	59
3	57	50	49	45	33	59	64	84	82	84	67	59
4	56	50	52	45	33	43	56	80	76	88	66	57
5	55	50	52	47	35	41	55	146	84	75	66	56
6	55	50	60	46	34	40	55	146	111	68	66	55
7	55	49	59	46	32	45	56	120	89	72	66	54
8	55	48	56	45	47	40	57	108	91	74	66	53
9	57	48	57	46	66	40	61	97	93	74	67	54
10	55	48	57	47	55	41	75	86	84	71	67	52
11	55	48	56	46	57	41	80	86	110	68	66	52
12	54	48	56	45	53	37	84	97	99	66	65	51
13	54	48	56	46	49	39	63	115	95	65	64	50
14	54	49	55	46	46	39	68	111	82	73	63	50
15	54	49	54	49	53	292	68	90	86	80	61	51
16	53	47	52	52	63	242	64	87	114	79	60	51
17	53	48	52	55	64	89	65	85	133	75	61	51
18	53	47	51	56	53	75	71	83	118	75	61	51
19	53	47	50	59	61	71	79	83	145	76	61	51
20	53	48	51	43	54	70	95	86	132	76	61	46
21	53	48	50	38	58	68	115	85	126	74	59	45
22	53	48	51	38	58	72	125	87	160	74	59	44
23	53	48	54	33	57	63	126	84	141	73	58	45
24	52	48	52	31	51	54	106	89	102	71	59	45
25	52	49	52	35	42	40	82	96	95	69	59	46
26	52	49	50	33	37	32	66	100	88	67	59	47
27	51	49	50	32	37	30	62	95	89	66	59	47
28	51	49	50	39	38	54	62	93	91	67	57	48
29	51	-----	48	33	41	158	86	84	92	67	57	49
30	52	-----	48	37	44	80	128	70	93	67	59	50
31	52	-----	46	-----	41	-----	99	66	-----	67	-----	50
TOTAL	1,667	1,363	1,624	1,307	1,466	2,159	2,394	2,925	3,038	2,278	1,870	1,578
MEAN	53.8	48.7	52.4	43.6	47.3	72.0	77.2	94.4	101	73.5	62.3	50.9
MAX	57	52	60	59	66	292	128	146	160	89	67	59
MIN	51	47	46	31	32	30	55	66	68	65	57	44
AC-FT	3,310	2,700	3,220	2,590	2,910	4,280	4,750	5,800	6,030	4,520	3,710	3,130

SUMMARY 1990.--TOTAL 23,669 MEAN 64.8 MAX 292 MIN 30 AC-FT 46,950

# NORTH PLATTE RIVER BASIN

ALLIANCE CANAL from Red Willow Creek - 1990

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

GAGE.--Continuous stage recorder and concrete flume

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

REMARKS.--Estimated discharges April 24, 25; July 4, 5

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	16	14	26	48	37	24		
2				0	16	0	22	45	44	22		
3				0	15	0	22	43	46	14		
4				0	15	10	24	53	45	0		
5				0	15	16	28	36	49	4.1		
6				0	14	16	28	21	31	11		
7				0	14	16	35	35	45	14		
8				0	18	16	35	32	39	15		
9				0	20	15	29	38	35	12		
10				0	16	15	47	39	30	12		
11				0	16	15	38	46	39	13		
12				0	18	14	44	50	27	13		
13				0	19	17	43	41	33	14		
14				0	18	19	39	42	32	10		
15				0	17	15	43	42	46	0		
16				0	15	0	42	37	41	0		
17				0	15	1.4	37	33	31	0		
18				0	14	6.1	39	35	33	0		
19				0	8.4	7.0	42	36	31	0		
20				0	8.8	6.6	42	33	24	0		
21				0	8.1	11	38	36	28	0		
22				0	9.6	8.4	42	45	34	0		
23				0	11	20	48	41	15	0		
24				5.0	16	19	45	42	21	0		
25				10	19	23	41	48	22	0		
26				14	18	20	45	41	25	0		
27				15	16	18	44	40	23	0		
28				16	16	16	43	37	22	0		
29		-----		16	16	16	37	43	26	0		
30		-----		15	16	38	6.3	39	27	0		
31		-----		-----	17	-----	42	40	-----	0	-----	
TOTAL				91.0	470.9	408.5	1,136.3	1,237	981	178.1		
MEAN				3.03	15.2	13.6	36.7	39.9	32.7	5.75		
MAX				16	20	38	48	53	49	24		
MIN				0	8.1	0	6.3	21	15	0		
AC-FT				180	934	810	2,250	2,450	1,950	353		
SUMMARY 1990.--MAX		53	MIN	0	AC-FT	8,930						

## NORTH PLATTE RIVER BASIN

BELMONT CANAL from North Platte River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	82	119	110	94	104		
2					0	82	115	109	95	60		
3					0	81	106	108	95	18		
4					0	71	112	108	95	18		
5					49	67	110	109	95	17		
6					42	64	91	111	96	17		
7					44	62	100	111	96	17		
8					46	61	121	110	96	16		
9					51	60	122	109	96	16		
10					51	60	110	109	95	5.7		
11					44	55	125	124	93	0		
12					38	52	120	131	93	0		
13					37	53	110	116	93	0		
14					36	54	117	114	92	0		
15					36	76	124	122	92	0		
16					35	125	122	124	92	0		
17					34	121	119	119	92	0		
18					35	119	115	119	89	0		
19					44	120	115	118	86	0		
20					45	119	112	116	86	0		
21					44	116	117	115	97	0		
22					43	104	117	116	99	0		
23					44	100	113	113	91	0		
24					58	96	110	104	91	0		
25					95	93	107	83	93	0		
26					78	91	107	77	90	0		
27					72	82	111	101	89	0		
28					71	71	119	103	90	0		
29		-----			77	90	120	93	103	0		
30		-----			79	122	110	87	107	0		
31		-----		-----	79	-----	108	91	-----	0	-----	
TOTAL					1,407	2,549	3,524	3,380	2,811	288.7		
MEAN					45.4	85.0	114	109	93.7	9.31		
MAX					95	125	125	131	107	104		
MIN					0	52	91	77	86	0		
AC-FT					2,790	5,060	6,990	6,700	5,580	573		
SUMMARY 1990.--MAX		131	MIN	0	AC-FT	27,690						

# NORTH PLATTE RIVER BASIN

EMPIRE CANAL from North Platte River - 1990

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

Flume rating affected by submergence May 26 - 30; June 13 - 18, 30; July 21 - 25; August 31; September 1 - 3, 24 - 26

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	17	20	27	26			
2					0	17	20	27	26			
3					0	17	20	26	29			
4					0	24	20	26	30			
5					0	28	20	26	29			
6					0	27	23	26	29			
7					0	27	20	26	29			
8					0	26	16	26	29			
9					0	26	19	25	29			
10					0	26	19	25	29			
11					0	30	21	26	29			
12					0	33	22	26	29			
13					0	32	21	24	28			
14					0	31	22	23	28			
15					0	30	22	11	28			
16					0	33	22	3.7	28			
17					0	30	22	3.0	28			
18					0	30	21	3.2	28			
19					8.4	30	27	3.3	30			
20					15	29	32	3.3	35			
21					17	28	34	3.3	37			
22					14	26	34	3.5	38			
23					12	26	34	3.3	38			
24					8.3	26	36	1.4	36			
25					2.6	27	32	18	32			
26					16	29	31	26	32			
27					21	27	31	32	29			
28					24	22	31	29	29			
29		-----			22	15	29	30	11			
30		-----			17	24	23	34	0			
31		-----		-----	17	-----	25	30	-----		-----	
TOTAL					194.3	793	769	597.0	858			
MEAN					6.27	26.4	24.8	19.3	28.6			
MAX					24	33	36	34	38			
MIN					0	15	16	1.4	0			
AC-FT					385	1,570	1,530	1,180	1,700			
SUMMARY 1990.--MAX		38	MIN	0	AC-FT	6,370						

## NORTH PLATTE RIVER BASIN

INDIAN CREEK near Northport - 1990

LOCATION.--NE1/4SE1/4 Sec. 19-20-50 W.

GAGE.--Staff gage

PERIOD OF RECORD.--1922 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					4.1	4.1	14	25	31			
2					4.1	4.5	16	27	31			
3					4.1	4.8	19	30	30			
4					4.1	5.2	21	32	29			
5					4.1	5.6	24	34	28			
6					4.0	6.0	27	36	27			
7					4.0	6.4	29	39	27			
8					4.0	6.8	32	41	27			
9					4.0	7.1	34	43	27			
10					4.0	7.5	37	43	26			
11					4.0	7.9	39	42	26			
12					3.8	8.3	42	42	26			
13					3.8	8.6	40	42	26			
14					3.7	9.0	38	42	26			
15					3.7	8.8	36	41	26			
16					3.7	8.6	33	41	26			
17					3.6	8.4	31	41	26			
18					3.6	8.2	29	40	26			
19					3.6	8.0	27	40	26			
20					3.6	7.8	25	40	26			
21					3.6	7.6	23	40	24			
22					3.6	7.4	21	39	23			
23					3.7	7.2	18	39	22			
24					3.7	7.0	16	38	20			
25					3.7	6.7	14	37	19			
26					3.7	6.5	12	36	18			
27					3.7	6.3	14	36	16			
28					3.7	6.1	16	35	15			
29		-----			3.7	8.7	19	34	14			
30		-----			3.7	11	21	33	12			
31		-----	-----		3.7	-----	23	30	-----	-----		
TOTAL					118.1	216.1	790	1,158	726			
MEAN					3.81	7.20	25.5	37.4	24.2			
MAX					4.1	11	42	43	31			
MIN					3.6	4.1	12	25	12			
AC-FT					234	429	1,570	2,300	1,440			
SUMMARY 1990.--MAX		43	MIN	3.6	AC-FT	5,970						

# NORTH PLATTE RIVER BASIN

UPPER DUGOUT CREEK near Bridgeport - 1990

LOCATION.--SE1/4SE1/4 Sec. 20-20-50 W.

GAGE.--Staff gage

PERIOD OF RECORD.--1931 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					2.2	1.8	6.0	22	17			
2					2.3	1.8	7.2	23	17			
3					2.4	1.8	8.4	23	17			
4					2.4	1.7	9.6	24	17			
5					2.5	1.7	11	25	18			
6					2.6	1.6	12	26	17			
7					2.7	1.7	13	26	16			
8					2.7	1.6	14	27	16			
9					2.8	1.5	16	26	15			
10					2.7	1.5	17	25	15			
11					2.7	1.4	18	24	14			
12					2.6	1.4	18	24	13			
13					2.5	1.4	18	23	13			
14					2.5	1.4	18	22	12			
15					2.4	1.3	18	21	12			
16					2.3	1.3	18	20	11			
17					2.3	1.3	17	19	10			
18					2.2	1.3	17	18	9.7			
19					2.1	1.3	17	17	9.0			
20					2.0	1.3	17	17	8.8			
21					2.0	1.3	17	16	8.5			
22					1.9	1.3	17	15	8.2			
23					1.8	1.2	17	15	8.0			
24					1.9	1.2	17	15	7.8			
25					1.9	1.2	17	15	7.5			
26					1.9	1.2	18	16	7.2			
27					1.9	1.2	18	16	7.0			
28					1.9	2.4	19	16	6.8			
29		-----			1.9	3.6	20	16	6.5			
30		-----			1.9	4.8	21	16	6.2			
31		-----		-----	1.9	-----	21	17	-----		-----	
TOTAL					69.8	49.5	492.2	625	351.2			
MEAN					2.25	1.65	15.9	20.2	11.7			
MAX					2.8	4.8	21	27	18			
MIN					1.8	1.2	6.0	15	6.2			
AC-FT					138	98	976	1,240	697			
SUMMARY 1990.--MAX		27	MIN	1.2	AC-FT	3,150						



## NORTH PLATTE RIVER BASIN

BROWNS CREEK CANAL from North Platte River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	29	86	59	54	24		
2					0	6.8	84	56	54	24		
3					0	.50	89	56	54	24		
4					0	.47	102	60	50	24		
5					0	.48	99	69	47	22		
6					0	.32	91	66	44	13		
7					0	8.3	94	62	40	13		
8					0	15	99	68	40	13		
9					0	16	102	76	41	12		
10					0	16	72	79	40	12		
11					0	25	90	76	41	12		
12					0	37	94	85	41	12		
13					0	40	89	79	40	12		
14					0	45	85	80	40	11		
15					0	44	85	78	39	11		
16					0	11	87	77	39	11		
17					0	.20	83	78	40	11		
18					0	7.7	77	73	37	11		
19					0	20	81	66	33	4.1		
20					0	26	66	61	33	0		
21					0	33	52	65	32	0		
22					0	36	50	68	29	0		
23					0	40	44	68	28	0		
24					0	44	38	67	29	0		
25					0	53	27	72	26	0		
26					2.9	71	42	68	25	0		
27					22	81	53	61	24	0		
28					11	88	67	55	23	0		
29		-----			21	88	56	53	24	0		
30		-----			28	86	53	50	24	0		
31		-----		-----	32	-----	60	48	-----	0	-----	
TOTAL					116.9	968.77	2,297	2,079	1,111	276.1		
MEAN					3.77	32.3	74.1	67.1	37.0	8.91		
MAX					32	88	102	85	54	24		
MIN					0	.20	27	48	23	0		
AC-FT					232	1,920	4,560	4,120	2,200	548		
SUMMARY 1990.--MAX	102		MIN	0	AC-FT	13,580						

# NORTH PLATTE RIVER BASIN

COURT HOUSE ROCK CANAL from Pumpkin Creek - 1990

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.--Missing gage height record October 11, 12

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	0	5.1	4.6	3.9		
2					0	0	0	5.0	6.0	3.9		
3					0	0	0	5.2	4.4	4.0		
4					0	0	0	5.2	4.2	3.8		
5					0	0	0	5.5	4.1	3.7		
6					0	0	0	5.5	4.0	3.7		
7					0	0	0	5.1	4.0	4.6		
8					0	0	0	4.7	3.8	5.4		
9					0	0	0	4.8	3.5	4.9		
10					0	0	0	4.6	3.5	4.5		
11					0	0	1.4	4.9	3.5	4.2		
12					0	0	4.5	5.8	3.4	4.1		
13					0	0	4.1	5.0	3.1	4.0		
14					0	0	4.0	5.0	2.9	4.0		
15					0	0	4.1	5.3	2.5	3.9		
16					0	0	4.3	5.0	2.4	3.9		
17					0	0	4.1	4.7	3.5	2.6		
18					0	0	4.1	5.1	4.7	0		
19					0	0	4.8	4.9	3.7	0		
20					0	0	5.1	4.9	3.8	0		
21					0	0	5.6	4.9	3.6	0		
22					0	0	5.3	4.2	3.7	0		
23					0	0	4.9	3.8	3.5	0		
24					0	0	4.9	3.7	3.6	0		
25					0	0	4.5	3.4	3.6	0		
26					0	0	4.4	3.3	3.8	0		
27					0	0	4.9	3.1	3.8	0		
28					0	0	4.8	3.0	4.0	0		
29		-----			0	0	4.8	3.9	4.0	0		
30		-----			0	0	5.8	3.9	4.1	0		
31		-----		-----	0	-----	5.1	4.0	-----	0	-----	
TOTAL					0	0	95.5	142.5	113.3	69.1		
MEAN					0	0	3.08	4.60	3.78	2.23		
MAX					0	0	5.8	5.8	6.0	5.4		
MIN					0	0	0	3.0	2.4	0		
AC-FT					0	0	189	283	225	137		

SUMMARY 1990.--MAX 6.0 MIN 0 AC-FT 834

## NORTH PLATTE RIVER BASIN

LAST CHANCE CANAL from Pumpkin Creek - 1990

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

GAGE.--Continuous stage recorder

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

Total diverted in 1990.--0 Ac-Ft

# NORTH PLATTE RIVER BASIN

MEREDITH-AMMER CANAL from Pumpkin Creek - 1990

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

REMARKS.--Estimated discharges July 1, 4, 15; August 4; September 11, 12  
Missing gage height record June 30; July 2, 3, 5, 6, 16, 17, 21 - 31; August 1 - 3, 5 - 8

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	5.0	2.0	.59			
2					0	0	4.3	2.0	.83			
3					0	0	4.5	1.8	.88			
4					0	0	4.5	1.8	.94			
5					0	0	4.5	1.9	.86			
6					0	0	4.9	1.8	.86			
7					0	0	4.5	1.5	.98			
8					0	0	4.8	1.5	1.1			
9					0	0	4.9	1.2	1.3			
10					0	0	5.1	2.0	1.4			
11					0	0	5.1	2.5	1.4			
12					0	0	5.0	1.7	3.1			
13					0	0	4.2	1.5	.31			
14					0	0	3.2	1.2	.19			
15					0	.84	2.9	1.4	0			
16					0	3.5	2.4	1.5	0			
17					0	3.5	2.0	1.4	0			
18					0	3.5	1.9	1.3	0			
19					0	3.4	1.8	1.3	0			
20					0	4.6	1.6	1.2	0			
21					0	4.5	1.9	1.2	0			
22					0	4.5	1.9	1.2	0			
23					0	4.6	1.9	1.1	0			
24					0	4.6	1.9	1.3	0			
25					0	5.1	1.7	1.6	0			
26					0	6.3	1.2	1.3	0			
27					0	6.2	3.6	1.0	0			
28					0	6.0	2.0	.83	0			
29		-----			0	6.0	2.2	.60	0			
30		-----			0	6.4	2.2	.57	0			
31		-----		-----	0	-----	2.0	.55	-----		-----	
TOTAL					0	73.54	99.6	43.75	14.74			
MEAN					0	2.45	3.21	1.41	.49			
MAX					0	6.4	5.1	2.5	3.1			
MIN					0	0	1.2	.55	0			
AC-FT					0	146	198	87	29			

SUMMARY 1990.--MAX            6.4            MIN            0            AC-FT            459

## NORTH PLATTE RIVER BASIN

BEERLINE CANAL from North Platte River - 1990

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

GAGE.--Continuous stage recorder and concrete flume

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	0	19	13	4.2		
2					0	0	0	19	15	3.6		
3					0	0	0	18	15	2.9		
4					0	0	8.7	18	15	3.1		
5					0	0	12	17	14	3.3		
6					0	0	11	17	15	2.9		
7					0	0	11	17	9.5	1.8		
8					0	0	10	16	5.7	1.9		
9					0	0	14	15	5.2	.04		
10					0	0	15	14	5.5	0		
11					0	0	14	14	5.4	0		
12					0	0	15	15	6.0	0		
13					0	0	14	16	6.0	0		
14					0	0	10	16	5.3	0		
15					0	0	11	16	4.5	0		
16					0	0	11	15	4.6	0		
17					0	0	12	15	5.5	0		
18					0	0	16	15	6.6	0		
19					0	0	17	14	6.2	0		
20					0	0	16	14	6.0	0		
21					0	0	14	14	6.2	0		
22					0	0	18	14	6.3	0		
23					0	2.1	19	13	7.2	0		
24					0	13	18	13	6.4	0		
25					0	16	19	13	4.7	0		
26					0	15	19	13	3.8	0		
27					0	13	18	14	3.9	0		
28					0	5.2	17	13	4.0	0		
29		-----			0	0	16	12	4.1	0		
30		-----			0	0	18	13	3.9	0		
31		-----		-----	0	-----	19	12	-----	0	-----	
TOTAL					0	64.3	412.7	464	219.5	23.74		
MEAN					0	2.14	13.3	15.0	7.32	.77		
MAX					0	16	19	19	15	4.2		
MIN					0	0	0	12	3.8	0		
AC-FT					0	128	819	920	435	47		
SUMMARY 1990.--MAX	19	MIN	0	AC-FT	2,350							

# NORTH PLATTE RIVER BASIN

BELMONT CANAL from Cedar Creek - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	4.5	4.9	4.1	9.1		
2					0	0	4.8	5.9	5.9	9.3		
3					0	0	3.6	5.3	5.4	3.1		
4					0	0	3.8	6.6	4.8	0		
5					0	0	4.1	5.4	5.3	0		
6					0	0	4.3	4.5	7.7	0		
7					0	0	4.3	5.0	7.5	0		
8					0	0	4.7	4.3	5.7	0		
9					0	0	5.2	5.1	5.7	0		
10					0	0	5.2	5.7	6.4	0		
11					0	0	7.9	4.9	6.6	0		
12					0	0	7.1	5.8	6.2	0		
13					0	0	5.4	4.3	7.1	0		
14					0	0	4.4	5.4	8.1	0		
15					0	0	4.5	5.2	5.2	0		
16					0	0	5.0	5.9	7.1	0		
17					0	0	4.9	6.2	9.5	0		
18					0	0	4.6	5.9	9.0	0		
19					0	0	5.0	4.7	8.9	0		
20					0	0	5.5	5.6	8.8	0		
21					0	0	6.0	7.6	8.3	0		
22					0	0	5.0	9.2	8.6	0		
23					0	0	4.6	8.3	8.6	0		
24					0	0	4.5	8.6	8.4	0		
25					0	0	4.3	5.6	8.6	0		
26					0	2.7	5.2	4.8	8.8	0		
27					0	4.3	5.5	4.3	8.9	0		
28					0	4.4	5.1	6.9	8.9	0		
29		-----			0	6.4	4.8	8.9	9.0	0		
30		-----			0	4.5	4.7	5.3	8.9	0		
31		-----		-----	0	-----	4.7	4.5	-----	0	-----	
TOTAL					0	22.3	153.2	180.6	222.0	21.5		
MEAN					0	.74	4.94	5.83	7.40	.69		
MAX					0	6.4	7.9	9.2	9.5	9.3		
MIN					0	0	3.6	4.3	4.1	0		
AC-FT					0	44	304	358	440	43		
SUMMARY 1990.--MAX	9.5		MIN	0	AC-FT	1,190						

## NORTH PLATTE RIVER BASIN

LISCO CANAL from North Platte River - 1990

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

GAGE.--Continuous stage recorder and weir

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	30	22	26	34	35		
2					0	43	19	35	35	33		
3					0	26	7.2	41	31	34		
4					0	37	0	38	30	34		
5					0	41	0	37	28	34		
6					0	39	0	48	28	35		
7					0	40	0	51	28	38		
8						37	9.6	49	24	41		
9					0	33	29	41	16	36		
10					0	29	42	35	17	34		
11					0	28	39	38	15	34		
12					0	31	42	41	16	36		
13					0	46	40	47	16	19		
14					0	54	37	45	16	0		
15					0	48	35	42	25	0		
16					0	54	35	40	33			
17					0	45	32	43	39			
18					0	52	31	45	49			
19					0	46	36	43	43			
20					0	43	36	43	39			
21					0	44	38	43	42			
22					0	56	34	42	45			
23					0	51	41	33	49			
24					36	46	39	28	46			
25					41	47	40	35	37			
26					35	52	24	40	34			
27					36	57	32	40	31			
28					32	38	32	35	32			
29		-----			33	23	39	34	33			
30		-----			35	29	34	33	36			
31		-----		-----	32	-----	40	32	-----		-----	
TOTAL					289.23	1245	883.5	1224	948	443		
MEAN					9.33	41.5	28.5	39.5	31.6	29.5		
MAX					41	57	42	51	49	41		
MIN					0	23	0	26	15	0		
AC-FT					574	2470	1750	2430	1880	879		
SUMMARY 1990.--MAX		57	MIN	0	AC-FT	9980						

# NORTH PLATTE RIVER BASIN

MIDLAND-OVERLAND CANAL from North Platte River - 1990

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

REMARKS.--Estimated discharges May 23 - 29

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	.61	16	10	8.6		
2					0	0	.50	7.4	9.5	8.0		
3					.83	0	.33	6.0	7.8	8.3		
4					1.3	0	.39	3.7	4.6	8.8		
5					1.3	0	.36	5.2	1.3	5.0		
6					1.3	0	.18	14	1.0	2.8		
7					1.3	0	.08	14	.94	3.2		
8					1.3	0	.42	15	.95	3.8		
9					1.3	3.0	.36	15	.85	.97		
10					1.3	4.3	0	10	.80	.89		
11					1.3	4.3	.31	7.7	.73	.89		
12					1.3	3.2	.55	7.4	.66	.89		
13					1.3	1.7	.55	2.9	.66			
14					1.3	1.5	.51	3.3	.72	.35		
15					1.3	1.3	.02	3.9	.61	0		
16					1.3	1.2	10	4.3	.55	0		
17					1.3	1.3	19	3.0	.58	0		
18					1.3	10	18	2.3	.59	0		
19					1.3	23	17	5.1	.61	0		
20					1.3	26	17	11	.61	0		
21					1.3	29	20	16	.72	0		
22					1.4	26	22	19	.82	0		
23					1.4	24	23	21	.82	0		
24					1.4	23	26	19	.93	0		
25					1.0	22	26	11	1.1	0		
26					0	20	19	7.1	1.1	0		
27					0	15	9.0	13	1.1	0		
28					0	7.7	4.9	18	4.4	0		
29		-----			0	.03	5.2	19	8.6	0		
30		-----			0	.35	6.9	18	8.9	0		
31		-----		-----	0	-----	12	15	-----	0	-----	
TOTAL					29.43	247.88	260.17	333.3	72.55	52.49		
MEAN					.95	8.26	8.39	10.8	2.42	1.75		
MAX					1.4	29	26	21	10	8.8		
MIN					0	0	0	2.3	.55	0		
AC-FT					58	492	516	661	144	104		
SUMMARY 1990.--MAX		29	MIN	0	AC-FT	1,980						



## NORTH PLATTE RIVER BASIN

PAISLEY CANAL from Blue Creek - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	0	8.1	4.7	16		
2						0	0	0	3.4	16		
3						0	0	5.4	7.1	11		
4						0	0	11	8.7	7.0		
5						0	0	12	10	7.6		
6						0	0	11	11	6.4		
7						0	0	8.6	11	5.5		
8						0	0	5.0	11	4.0		
9						0	0	4.9	13	0		
10						0	0	5.1	15	0		
11						7.9	0	6.0	16	0		
12						13	0	6.9	16	0		
13						14	0	6.1	17	0		
14						14	0	9.6	17	0		
15						15	0	9.3	17	0		
16						17	0	8.1	16	0		
17						19	0	9.4	17	0		
18						14	0	11	18	0		
19						15	0	12	16	0		
20						15	0	14	16	0		
21						16	0	14	17	0		
22						16	4.7	13	17	0		
23						10	9.3	14	16	0		
24						7.8	8.8	14	16	0		
25						7.9	8.3	14	16	0		
26						4.0	10	14	16	0		
27						0	8.9	14	17	0		
28						0	15	14	17	0		
29		-----				0	15	11	17	0		
30		-----				0	15	3.8	17	0		
31		-----		-----		-----	13	3.2	-----	0	-----	
TOTAL						205.6	108.0	292.5	426.9	73.5		
MEAN						6.85	3.48	9.44	14.2	2.37		
MAX						19	15	14	18	16		
MIN						0	0	0	3.4	0		
AC-FT						408	214	580	847	146		
SUMMARY 1990.--MAX	19	MIN	0	AC-FT	2,190							

# NORTH PLATTE RIVER BASIN

BLUE CREEK CANAL from Blue Creek & Crescent Lake - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	33	37	34	30		
2					0	0	22	36	24	30		
3					0	0	0	35	23	5.0		
4					0	0	0	35	25	0		
5					0	0	0	37	42	0		
6					0	37	0	37	28	0		
7					0	5.4	0	36	19	0		
8					0	0	0	35	30	0		
9					0	0	15	34	30	0		
10					0	0	31	34	24	0		
11					0	0	30	36	25	0		
12					0	0	31	32	24	0		
13					0	0	31	29	23	0		
14					0	0	31	30	21	0		
15					0	0	31	30	17	0		
16					0	0	33	21	21	0		
17					0	0	33	18	27	0		
18					0	0	32	28	34	0		
19					0	11	35	27	36	0		
20					0	16	37	27	38	0		
21					0	17	39	26	39	0		
22					0	34	39	26	38	0		
23					0	40	37	27	37	0		
24					0	42	37	26	37	0		
25					0	40	37	26	36	0		
26					0	36	38	25	37	0		
27					0	33	34	31	36	0		
28					0	34	44	38	30	0		
29		-----			0	34	39	39	31	0		
30		-----			0	34	40	37	31	0		
31		-----		-----	0	-----	40	33	-----	0	-----	
TOTAL					0	413.4	849	968	897	65.0		
MEAN					0	13.8	27.4	31.2	29.9	2.10		
MAX					0	42	44	39	42	30		
MIN					0	0	0	18	17	0		
AC-FT					0	820	1,680	1,920	1,780	129		
SUMMARY 1990.--MAX	44		MIN	0	AC-FT	6,330						

## NORTH PLATTE RIVER BASIN

HOOPER CANAL from Blue Creek - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	12	12	7.9	0		
2						0	6.2	9.5	0	0		
3						0	0	9.7	5.1	0		
4						0	0	10	6.3	0		
5						0	0	10	4.8	0		
6						0	0	11	9.7	0		
7						0	0	11	12	0		
8						0	0	11	8.9	0		
9						0	5.5	11	8.3	0		
10						0	11	11	8.9	0		
11						0	12	9.9	7.3	0		
12						0	12	1.9	7.5	0		
13						0	11	6.8	6.0	0		
14						4.6	10	9.4	0	0		
15						5.3	10	10	0	0		
16						5.5	9.9	12	0	0		
17						3.9	9.9	12	3.0	0		
18						5.7	9.9	7.3	4.7	0		
19						10	9.7	1.1	9.0	0		
20						13	10	0	10	0		
21						15	11	0	9.4	0		
22						12	11	3.8	9.5	0		
23						12	10	4.6	9.7	0		
24						12	10	3.8	7.6	0		
25						12	11	4.0	5.3	0		
26						12	9.8	4.2	5.5	0		
27						11	0	7.7	5.7	0		
28						12	0	10	6.9	0		
29		-----				11	0	11	7.0	0		
30		-----				12	5.3	11	4.6	0		
31		-----		-----		-----	10	11	-----	0	-----	
TOTAL						169.0	217.2	247.7	190.6	0		
MEAN						5.63	7.01	7.99	6.35	0		
MAX						15	12	12	12	0		
MIN						0	0	0	0	0		
AC-FT						335	431	491	378	0		
SUMMARY 1990.--MAX	15	MIN	0	AC-FT	1,640							

# NORTH PLATTE RIVER BASIN

UNION CANAL from Blue Creek - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	15	15	12	7.6		
2					0	0	14	17	.38	7.1		
3					0	0	10	15	.08	8.8		
4					0	0	0	14	.11	7.3		
5					0	0	0	14	.14	0		
6					0	0	8.7	14	.44	0		
7					0	0	16	13	.50	0		
8					0	0	15	14	1.2	0		
9					0	0	15	14	.32	0		
10					0	0	15	15	7.8	0		
11					0	0	15	16	11	0		
12					0	0	15	13	12	0		
13					0	0	15	10	12	0		
14					0	0	14	12	12	0		
15					0	0	14	9.9	10	0		
16					0	0	13	10	9.4	0		
17					0	0	12	8.0	9.1	0		
18					0	0	14	7.1	9.0	0		
19					0	0	15	9.9	7.5	0		
20					0	0	16	8.7	6.3	0		
21					0	5.6	16	8.1	5.7	0		
22					0	11	15	8.0	5.8	0		
23					0	14	14	6.2	5.9	0		
24					0	15	13	6.5	6.7	0		
25					0	14	11	9.5	7.4	0		
26					0	16	11	8.9	7.0	0		
27					0	15	.71	9.7	7.2	0		
28					0	15	.18	12	8.1	0		
29		-----			0	15	.16	13	7.2	0		
30		-----			0	16	.31	14	7.0	0		
31		-----		-----	0	-----	10	13	-----	0	-----	
TOTAL					0	136.6	343.06	358.5	189.27	30.8		
MEAN					0	4.55	11.1	11.6	6.31	.99		
MAX					0	16	16	17	12	8.8		
MIN					0	0	0	6.2	.08	0		
AC-FT					0	271	680	711	375	61		
SUMMARY 1990.--MAX	17	MIN	0	AC-FT	2,100							

## NORTH PLATTE RIVER BASIN

GRAF CANAL from Blue Creek - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	0	3.7	14	11		
2					0	0	0	13	3.8	12		
3					0	0	0	12	9.6	14		
4					0	0	0	6.0	14	15		
5					0	0	0	5.6	12	15		
6					0	0	0	6.7	11	15		
7					0	0	0	7.7	12	15		
8					0	0	0	11	12	15		
9					0	0	0	12	12	15		
10					0	0	0	11	11	15		
11					0	0	0	10	11	14		
12					0	0	1.0	6.2	11	11		
13					0	4.9	.08	.38	11	8.8		
14					0	11	.02	.38	11	8.2		
15					0	11	0	8.8	12	8.0		
16					0	8.6	6.3	16	11	7.5		
17					0	9.0	12	17	10	3.2		
18					0	7.6	9.7	16	11	2.1		
19					0	4.9	9.5	16	10	.40		
20					0	4.0	12	16	10	0		
21					0	3.5	15	16	9.6	0		
22					0	2.5	15	15	9.6	0		
23					0	.05	11	16	9.4	0		
24					0	0	9.2	16	9.2	0		
25					0	0	9.3	15	9.1	0		
26					0	1.7	7.5	15	9.1	0		
27					0	12	7.9	13	8.9	0		
28					0	11	9.7	2.8	8.5	0		
29		-----			0	1.7	5.3	2.8	8.4	0		
30		-----			0	.18	6.1	8.8	8.9	0		
31		-----		-----	0	-----	5.8	15	-----	0	-----	
TOTAL					0	93.63	152.40	330.86	310.1	205.20		
MEAN					0	3.12	4.92	10.7	10.3	6.62		
MAX					0	12	15	17	14	15		
MIN					0	0	0	.38	3.8	0		
AC-FT					0	186	302	656	615	407		
SUMMARY 1990.--MAX	17	MIN	0	AC-FT	2,170							

# NORTH PLATTE RIVER BASIN

KINGSLEY RESERVOIR from North Platte River - 1990

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					
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1,239,900	1,293,700	1,333,800	1,385,200	1,369,600	1,367,100	1,271,500	1,040,800	926,700	896,100	947,400	995,800
2	1,243,300	1,293,700	1,333,800	1,385,200	1,367,100	1,367,100	1,261,700	1,034,400	920,500	898,100	949,500	997,900
3	1,244,700	1,296,100	1,336,300	1,387,800	1,364,500	1,367,100	1,254,400	1,030,000	916,400	898,100	951,600	997,900
4	1,247,100	1,296,100	1,336,300	1,387,800	1,361,900	1,367,100	1,244,700	1,023,600	912,300	900,200	951,600	1,000,000
5	1,247,100	1,298,600	1,338,800	1,390,500	1,359,300	1,367,100	1,235,000	1,019,300	910,300	900,200	953,600	1,002,100
6	1,249,500	1,301,100	1,341,400	1,390,500	1,356,700	1,367,100	1,225,400	1,012,800	906,200	900,200	955,700	1,002,100
7	1,251,900	1,303,600	1,343,900	1,393,100	1,354,200	1,367,100	1,218,300	1,008,600	902,200	900,200	957,800	1,004,300
8	1,254,400	1,303,600	1,346,500	1,393,100	1,354,200	1,369,600	1,208,700	1,004,300	900,200	904,200	959,900	1,006,400
9	1,254,400	1,305,100	1,349,000	1,395,700	1,354,200	1,367,100	1,201,600	1,000,000	898,100	906,200	962,000	1,008,600
10	1,256,800	1,308,600	1,349,000	1,395,700	1,354,200	1,367,100	1,192,200	995,800	898,100	908,300	964,100	1,008,600
11	1,259,300	1,311,100	1,351,600	1,395,700	1,354,200	1,367,100	1,182,800	991,500	896,100	910,300	966,200	1,010,700
12	1,259,300	1,311,100	1,354,200	1,395,700	1,354,200	1,364,500	1,173,500	987,300	894,100	912,300	968,300	1,012,800
13	1,261,700	1,313,600	1,356,700	1,398,300	1,354,200	1,364,500	1,166,500	985,200	894,100	914,400	968,300	1,012,800
14	1,264,100	1,313,600	1,359,300	1,398,300	1,354,200	1,361,900	1,157,200	983,000	892,100	914,400	970,400	1,015,000
15	1,266,600	1,313,600	1,361,900	1,398,300	1,356,700	1,353,900	1,148,000	980,900	890,100	916,400	972,500	1,017,100
16	1,269,000	1,313,600	1,361,900	1,398,300	1,359,300	1,356,700	1,138,800	980,900	888,100	918,500	972,500	1,017,100
17	1,271,500	1,313,600	1,364,500	1,398,300	1,359,300	1,354,200	1,132,000	978,800	888,100	920,500	974,600	1,019,300
18	1,271,500	1,316,100	1,364,500	1,398,300	1,359,300	1,349,000	1,122,900	976,700	888,100	922,600	976,700	1,021,400
19	1,273,900	1,316,100	1,367,100	1,398,300	1,359,300	1,346,500	1,116,100	972,500	888,100	924,600	978,800	1,021,400
20	1,276,400	1,318,600	1,367,100	1,398,300	1,359,300	1,343,900	1,109,300	974,000	888,100	926,700	980,900	1,021,400
21	1,278,800	1,321,100	1,369,600	1,395,700	1,361,900	1,338,800	1,102,600	968,300	890,100	928,800	983,000	1,019,300
22	1,278,800	1,323,600	1,369,600	1,395,700	1,361,900	1,338,800	1,098,100	966,200	890,100	930,800	983,000	1,019,300
23	1,281,300	1,326,100	1,372,200	1,393,100	1,361,900	1,328,700	1,091,400	964,100	890,100	930,800	985,200	1,017,100
24	1,283,800	1,326,100	1,372,200	1,390,500	1,361,900	1,326,100	1,086,900	962,000	892,100	932,900	985,200	1,017,100
25	1,283,800	1,328,700	1,374,800	1,387,800	1,361,900	1,321,100	1,080,300	957,800	892,100	932,900	987,300	1,017,100
26	1,286,200	1,328,700	1,374,800	1,385,200	1,361,900	1,313,600	1,075,800	951,600	892,100	934,900	987,300	1,019,300
27	1,288,700	1,331,200	1,377,400	1,382,600	1,361,900	1,303,600	1,071,400	947,400	892,100	937,000	989,400	1,019,300
28	1,288,700	1,331,200	1,377,400	1,380,000	1,361,900	1,296,100	1,064,800	943,200	894,100	939,100	991,500	1,021,400
29	1,291,200	-----	1,380,000	1,377,400	1,361,900	1,286,200	1,060,400	939,100	894,100	941,200	993,600	1,021,400
30	1,291,200	-----	1,382,600	1,374,800	1,364,500	1,278,800	1,053,900	934,900	896,100	943,200	993,600	1,021,400
31	1,293,700	-----	1,382,600	-----	1,364,500	-----	1,047,400	930,800	-----	945,300	-----	1,023,600
MAX	1,293,700	1,331,200	1,382,600	1,398,300	1,369,600	1,369,600	1,271,500	1,040,800	926,700	945,300	993,600	1,023,600
MIN	1,239,900	1,293,700	1,333,800	1,374,800	1,354,200	1,278,800	1,047,400	930,800	888,100	896,100	947,400	995,800
CHANGE	56,300	37,500	51,400	-7,800	-10,300	-85,700	-231,400	-116,600	-34,700	49,200	48,300	30,000
SUMMARY 1990.--MEAN	1,163,020		MAX	1,398,300		MIN	888,100					

## NORTH PLATTE RIVER BASIN

SUTHERLAND CANAL from North Platte River and Kingsley Reservoir - 1990

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

GAGE.--Continuous stage recorder and concrete control section

PERIOD OF RECORD.--1936 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	507	316	425	302	1,620	370	1,810	1,690	1,330	493	351	365
2	507	314	424	349	1,630	303	1,820	1,700	1,330	481	362	366
3	511	310	425	512	1,650	302	1,830	1,710	1,330	486	373	362
4	515	310	421	513	1,670	308	1,840	1,710	1,380	488	377	358
5	476	309	428	478	1,690	313	1,840	1,720	1,500	490	379	349
6	368	307	433	412	1,640	343	1,830	1,730	1,630	469	387	316
7	353	302	381	400	1,590	417	1,810	1,730	1,640	384	359	306
8	349	303	306	390	1,580	512	1,820	1,730	1,430	303	350	302
9	350	299	312	447	1,490	604	1,810	1,730	1,240	296	351	303
10	348	298	305	585	1,230	610	1,810	1,740	1,040	299	352	305
11	340	293	309	586	1,110	642	1,810	1,760	972	301	354	302
12	313	296	307	584	919	772	1,810	1,690	960	299	356	300
13	295	300	307	584	764	955	1,810	1,580	874	294	353	297
14	301	303	300	641	604	1,100	1,800	1,430	716	296	351	295
15	311	323	300	767	520	1,230	1,790	1,430	667	290	346	304
16	307	316	297	810	523	1,360	1,780	1,430	660	287	347	300
17	307	289	303	931	549	1,480	1,780	1,420	643	285	344	296
18	312	289	302	1,010	606	1,600	1,760	1,400	589	294	341	311
19	311	287	338	1,130	523	1,710	1,760	1,390	573	291	341	400
20	315	287	400	1,180	518	1,760	1,760	1,330	476	295	346	468
21	311	292	405	1,180	520	1,760	1,750	1,180	489	295	351	503
22	310	370	417	1,180	512	1,760	1,740	1,140	485	297	352	555
23	309	484	423	1,190	510	1,770	1,740	1,140	496	296	353	588
24	311	524	424	1,260	512	1,760	1,730	1,140	505	298	353	610
25	312	522	427	1,320	509	1,770	1,710	1,180	502	295	355	576
26	309	519	424	1,410	506	1,770	1,720	1,330	499	286	359	572
27	310	430	424	1,410	510	1,790	1,680	1,320	500	286	364	536
28	313	424	379	1,460	506	1,790	1,710	1,330	506	284	363	571
29	314	-----	309	1,490	511	1,800	1,700	1,330	504	282	366	604
30	315	-----	292	1,550	510	1,810	1,700	1,330	503	285	363	591
31	312	-----	301	-----	475	-----	1,700	1,320	-----	340	-----	525
TOTAL	10,822	9,616	11,248	26,061	28,007	34,471	54,960	45,790	25,969	10,365	10,699	12,836
MEAN	349	343	363	869	903	1,149	1,773	1,477	866	334	357	414
MAX	515	524	433	1,550	1,690	1,810	1,840	1,760	1,640	493	387	610
MIN	295	287	292	302	475	302	1,680	1,140	476	282	341	295
AC-FT	21,470	19,070	22,310	51,690	55,550	68,370	109,000	90,820	51,510	20,560	21,220	25,460
SUMMARY 1990.--MEAN		769	MAX	1,840	MIN	282	AC-FT	557,100				

# SOUTH PLATTE RIVER BASIN

SUTHERLAND (KORTY) CANAL from South Platte River - 1990

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.--Days with flume submergence Jan 8 - 31; Feb 1, 2, 9 - 14, 20 - 24

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	246	437	676	1,030	427	113	0	0	0	0	51	128
2	293	449	643	1,060	384	141	0	0	0	0	56	177
3	399	366	627	1,090	378	123	0	0	0	64	67	189
4	524	357	599	1,110	320	89	0	0	0	146	78	184
5	638	435	593	1,120	303	168	0	0	0	114	86	199
6	685	424	604	1,130	270	241	0	0	0	106	95	237
7	730	509	638	1,180	237	232	0	0	0	107	107	272
8	756	546	662	1,180	245	212	0	0	0	94	108	300
9	772	605	657	1,180	242	201	0	0	0	102	108	320
10	750	614	683	1,160	223	171	0	0	0	109	109	315
11	702	733	825	1,140	179	141	0	0	0	104	116	309
12	708	782	1,000	1,130	176	100	0	0	0	106	116	269
13	783	721	1,040	1,170	172	87	0	0	0	111	116	248
14	720	415	1,090	1,110	153	66	0	0	0	120	116	229
15	668	202	1,010	1,040	167	53	0	0	0	104	102	226
16	768	210	918	949	162	70	0	0	0	98	101	206
17	708	236	858	837	151	64	0	0	0	101	101	226
18	640	274	846	789	138	73	0	0	0	99	101	258
19	507	410	843	821	127	72	0	0	0	104	101	132
20	423	735	836	794	110	61	0	0	0	107	74	37
21	346	776	810	848	126	41	0	0	0	106	95	12
22	439	795	857	887	118	33	0	0	0	103	100	12
23	354	854	898	881	107	28	0	0	0	111	100	14
24	495	891	924	746	93	18	0	0	0	116	100	15
25	501	887	955	688	82	11	0	0	0	115	110	15
26	534	824	964	722	75	0	0	0	0	102	134	12
27	593	753	1,020	672	115	0	0	0	0	95	104	47
28	489	712	1,040	554	97	0	0	0	0	67	73	102
29	436	-----	1,020	490	85	0	0	0	0	45	87	89
30	396	-----	1,020	456	96	0	0	0	0	52	95	94
31	413	-----	1,020	-----	118	-----	0	0	-----	52	-----	102
TOTAL	17,416	15,952	26,176	27,964	5,676	2,609	0	0	0	2,860	2,907	4,975
MEAN	562	570	844	932	183	87.0	0	0	0	92.3	96.9	160
MAX	783	891	1,090	1,180	427	241	0	0	0	146	134	320
MIN	246	202	593	456	75	0	0	0	0	0	51	12
AC-FT	34,540	31,640	51,920	55,470	11,260	5,170	0	0	0	5,670	5,770	9,870
SUMMARY 1990.--MEAN		292	MAX	1,180	MIN	0	AC-FT	211,300				



## NORTH &amp; SOUTH PLATTE RIVERS

SUTHERLAND RESERVOIR from North Platte River - 1990

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

GAGE.--Staff gage

PERIOD OF RECORD.--1936 - present

REMARKS.--Published as combined total of Sutherland and Maloney Reservoirs prior to 1988.  
Values furnished by Nebraska Public Power District and represent active storage.

STORAGE LEVEL	ELEVATION												CONTENT
	(feet)												(acre-feet)
Normal maximum operation level	3055.0												64,720
Normal minimum operating level	3041.6												28,350
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	43,000	48,600	53,000	58,000	57,100	61,500	59,200	53,700	35,300	36,000	37,100	36,300	
2	43,800	48,600	53,300	57,200	57,900	61,100	57,800	53,200	34,500	36,300	37,100	36,200	
3	44,500	48,400	53,600	57,100	58,300	60,400	57,100	53,000	33,200	36,300	37,300	36,400	
4	45,300	48,100	54,000	57,400	58,500	60,100	56,900	52,400	32,300	36,600	37,400	36,500	
5	46,200	47,900	54,200	57,400	58,900	59,700	56,600	51,900	32,100	36,600	37,400	36,700	
6	47,000	47,800	55,100	57,000	59,000	59,600	56,800	51,600	31,600	36,500	37,600	36,700	
7	47,900	47,800	56,000	56,900	59,200	59,600	56,800	51,000	32,400	36,400	37,800	36,900	
8	48,600	47,800	56,700	56,900	60,100	59,600	56,800	50,600	33,300	36,600	37,900	37,000	
9	49,300	47,900	57,200	56,800	60,600	58,800	56,200	49,900	33,700	36,600	37,700	37,400	
10	49,600	48,100	57,300	56,900	61,300	59,900	55,500	48,900	33,800	36,600	38,000	37,800	
11	49,600	48,500	58,600	57,100	62,000	59,200	54,900	49,000	34,200	36,700	37,900	38,100	
12	49,700	48,900	59,800	56,900	62,300	57,900	55,100	49,600	34,500	36,600	37,800	38,200	
13	49,700	49,300	60,700	56,800	62,600	56,600	55,000	50,100	34,600	36,500	37,800	38,200	
14	49,500	49,000	61,600	56,900	63,000	56,300	55,100	50,200	34,700	36,500	37,700	38,800	
15	49,700	48,400	62,000	57,000	63,200	56,200	55,400	50,100	34,800	36,400	37,700	38,900	
16	50,200	47,900	62,200	56,800	63,100	56,300	55,500	50,100	34,900	36,400	37,600	39,000	
17	50,400	47,100	62,500	56,700	63,100	56,500	55,400	49,800	35,100	36,600	37,300	39,100	
18	50,200	46,700	62,600	56,300	63,200	57,300	55,200	49,400	35,500	36,900	37,200	39,200	
19	50,900	46,600	62,500	56,300	63,100	58,100	55,900	49,200	35,800	37,300	37,100	39,300	
20	51,200	47,100	62,300	56,300	63,300	59,000	56,700	49,300	36,000	37,500	37,000	39,100	
21	51,400	47,700	62,300	56,500	63,100	59,900	57,200	49,100	36,200	37,400	36,800	38,800	
22	49,800	48,200	61,700	56,600	63,000	60,600	57,600	48,600	35,800	37,200	36,700	38,400	
23	49,600	49,000	61,300	56,600	62,900	60,800	57,200	47,300	35,600	37,300	36,600	38,000	
24	49,300	49,800	60,400	56,500	62,700	61,600	56,500	45,400	35,500	37,500	36,500	37,900	
25	49,100	50,600	60,000	57,100	62,600	61,400	56,200	43,600	35,700	37,800	36,400	37,900	
26	49,200	51,200	59,200	57,300	62,300	60,600	55,900	42,800	35,800	37,700	36,300	38,000	
27	49,300	52,000	59,000	57,100	62,000	60,700	55,900	41,700	35,800	37,600	36,500	38,100	
28	49,200	52,700	59,000	57,200	62,200	60,100	55,300	39,800	35,800	37,500	36,500	38,100	
29	49,000	-----	59,000	57,300	62,100	59,700	54,700	38,700	35,900	37,400	36,400	38,200	
30	48,900	-----	58,600	57,100	61,800	59,600	54,300	37,400	35,900	37,200	36,300	37,900	
31	48,700	-----	58,400	-----	61,600	-----	54,000	36,200	-----	37,100	-----	36,200	
MEAN	48,700	48,630	58,840	56,930	61,490	59,290	56,090	47,860	34,680	36,890	37,180	37,850	
MAX	51,400	52,700	62,600	58,000	63,300	61,600	59,200	53,700	36,200	37,800	38,000	39,300	
MIN	43,000	46,600	53,000	56,300	57,100	56,200	54,000	36,200	31,600	36,000	36,300	36,200	
SUMMARY 1990.--MEAN	48,720		MAX	63,300	MIN	31,600							

# NORTH & SOUTH PLATTE RIVERS

MALONEY RESERVOIR from North Platte River - 1990

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.  
Values furnished by Nebraska Public Power District and represent active storage.

STORAGE LEVEL		ELEVATION (feet)											CONTENT (acre-feet)	
Maximum normal operating level		3006.0											19,450	
Normal operating level		3005.0											17,800	
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	17,800	17,800	17,800	17,600	17,800	18,300	17,500	17,600	17,500	17,300	11,200	15,700		
2	18,000	17,800	17,800	17,600	18,000	18,300	17,600	17,600	17,500	17,300	11,300	15,900		
3	18,000	17,800	17,800	17,600	18,000	18,100	17,600	17,500	17,500	17,500	11,300	16,200		
4	18,000	17,800	18,000	17,600	18,000	18,100	17,800	17,500	17,500	17,500	11,300	16,400		
5	18,000	17,800	18,000	17,800	18,000	18,100	17,800	17,600	17,300	18,000	11,300	16,700		
6	18,000	17,800	18,100	18,000	17,800	18,000	18,000	17,600	17,500	18,000	11,300	16,800		
7	17,800	17,800	18,100	18,000	17,800	18,000	18,000	17,600	17,600	18,100	11,300	17,200		
8	17,800	17,800	18,000	18,000	17,800	18,000	17,800	17,800	17,500	18,300	11,300	17,300		
9	17,800	17,800	18,000	18,000	17,800	17,500	17,500	17,600	17,600	18,300	11,200	17,500		
10	17,800	17,800	17,800	18,000	17,800	17,200	17,500	17,600	17,800	18,300	11,200	17,600		
11	17,800	17,800	17,800	18,000	17,500	17,000	17,500	17,800	17,800	18,100	11,300	17,600		
12	18,000	17,800	17,800	18,000	17,800	17,300	17,800	18,100	17,500	18,100	11,400	17,600		
13	18,000	17,800	17,600	18,100	18,000	17,500	18,000	18,500	17,500	17,800	11,700	17,600		
14	18,000	17,800	17,600	18,100	18,000	17,600	18,000	18,300	17,600	17,800	12,100	17,600		
15	18,000	17,800	17,600	18,100	18,000	17,800	18,000	18,000	17,500	16,800	12,200	17,800		
16	18,000	18,000	17,600	18,000	17,800	17,600	18,000	17,800	17,600	15,700	12,500	17,800		
17	18,000	18,000	17,600	18,000	17,800	17,600	17,800	17,600	17,800	14,200	12,600	17,800		
18	18,100	18,000	17,800	17,600	17,800	17,800	17,600	17,500	17,800	13,200	12,900	17,800		
19	18,300	18,000	17,800	17,600	17,800	17,800	18,000	17,600	17,800	12,200	13,200	17,800		
20	18,100	18,000	18,000	17,500	18,000	18,000	18,100	17,600	17,800	12,100	13,500	17,500		
21	18,100	17,800	18,000	17,500	18,000	18,100	18,000	17,600	17,600	11,900	13,600	17,300		
22	17,800	17,800	18,000	17,300	18,000	18,300	18,000	17,600	17,600	12,200	13,800	17,500		
23	17,600	17,800	17,600	17,300	18,000	18,300	17,800	17,500	17,500	11,800	14,100	17,300		
24	17,600	17,800	17,600	17,300	18,000	18,300	17,800	17,500	17,500	11,800	14,200	17,200		
25	17,600	18,000	17,500	17,300	18,000	18,100	17,800	17,800	17,500	11,700	14,500	17,200		
26	17,600	17,800	17,500	17,500	18,000	17,800	18,000	17,600	17,500	11,400	14,700	17,200		
27	17,600	17,800	17,500	17,800	18,000	17,600	17,800	17,500	17,500	11,300	15,000	17,200		
28	17,600	17,800	17,500	17,800	18,000	17,500	17,600	17,300	17,500	11,300	15,300	17,200		
29	17,600	-----	17,500	17,800	18,100	17,600	17,500	17,200	17,300	11,300	15,400	17,300		
30	17,800	-----	17,500	17,800	18,100	17,600	17,600	17,200	17,300	11,300	15,700	17,300		
31	17,800	-----	17,600	-----	18,100	-----	17,600	17,300	-----	11,200	-----	17,300		
MEAN	17,870	17,840	17,750	17,750	17,920	17,830	17,790	17,640	17,560	14,900	12,750	17,230		
MAX	18,300	18,000	18,100	18,100	18,100	18,300	18,100	18,500	17,800	18,300	15,700	17,800		
MIN	17,600	17,800	17,500	17,300	17,500	17,000	17,500	17,200	17,300	11,200	11,200	15,700		
SUMMARY 1990.--MEAN	17,070		MAX	18,500	MIN	11,200								

## NORTH &amp; SOUTH PLATTE RIVERS

SUTHERLAND POWER RETURN to the South Platte River - 1990

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

GAGE.--Differential pressure recorder

PERIOD OF RECORD.--1939 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	320	620	670	1,175	1,700	450	1,635	1,590	1,580	260	280	240
2	320	620	670	1,215	1,700	440	1,560	1,590	1,580	260	280	240
3	335	625	620	1,295	1,495	440	1,720	1,590	1,580	240	280	240
4	340	620	620	1,290	1,455	420	1,720	1,590	1,430	240	280	240
5	390	620	620	1,295	1,455	420	1,720	1,590	1,430	250	280	235
6	430	620	620	1,290	1,455	420	1,560	1,590	1,410	320	280	235
7	430	620	540	1,290	1,440	420	1,490	1,590	1,245	320	280	240
8	430	620	510	1,290	1,405	420	1,490	1,590	1,165	320	285	240
9	510	620	510	1,335	1,315	625	1,590	1,700	980	280	280	280
10	510	620	510	1,355	1,195	625	1,650	1,700	685	300	280	280
11	580	620	510	1,355	1,030	545	1,700	1,635	745	300	285	275
12	725	620	510	1,355	710	570	1,530	1,505	695	300	250	280
13	725	620	510	1,405	560	830	1,490	1,370	640	300	235	280
14	725	620	630	1,430	560	930	1,460	1,330	565	300	210	280
15	725	620	730	1,455	505	1,000	1,400	1,170	385	400	210	315
16	725	620	770	1,455	505	1,050	1,420	1,170	385	850	210	305
17	720	620	780	1,520	510	1,050	1,420	1,170	385	860	210	305
18	675	620	780	1,575	505	1,020	1,490	1,200	335	870	210	305
19	675	620	780	1,700	450	935	1,390	1,240	335	725	210	320
20	675	620	875	1,680	450	935	1,240	1,170	335	300	205	340
21	610	620	1,060	1,700	450	935	1,160	1,070	335	300	205	380
22	645	620	1,120	1,700	450	935	1,160	1,100	335	290	205	380
23	690	670	1,230	1,700	450	1,050	1,275	1,210	335	290	205	380
24	650	725	1,230	1,700	450	1,110	1,410	1,310	335	285	205	380
25	620	725	1,290	1,700	450	1,225	1,490	1,440	320	280	205	380
26	620	770	1,325	1,700	450	1,470	1,490	1,590	320	280	205	380
27	620	770	1,355	1,660	450	1,575	1,585	1,650	325	280	205	380
28	620	670	1,355	1,700	450	1,575	1,575	1,720	325	280	205	380
29	620	-----	1,295	1,700	450	1,575	1,635	1,810	320	280	205	380
30	620	-----	1,230	1,700	460	1,575	1,575	1,770	320	280	205	380
31	620	-----	1,175	-----	450	-----	1,575	1,640	-----	280	-----	380
TOTAL	17,900	17,975	26,430	44,720	25,360	26,570	46,605	45,390	21,160	11,120	7,090	9,655
MEAN	577	642	853	1,491	818	886	1,503	1,464	705	359	236	311
MAX	725	770	1,355	1,700	1,700	1,575	1,720	1,810	1,580	870	285	380
MIN	320	620	510	1,175	450	420	1,160	1,070	320	240	205	235
AC-FT	35,505	35,653	52,424	88,702	50,302	52,702	92,441	90,031	41,971	22,057	14,063	19,151
SUMMARY 1990.--MEAN		822	MAX	1,810	MIN	205	AC-FT	205				

# NORTH PLATTE RIVER BASIN

KEITH - LINCOLN COUNTY CANAL from North Platte River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	50	44	101	78	76			
2				0	50	9.2	99	79	79			
3				0	33	45	98	78	81			
4				0	31	46	98	76	82			
5				0	52	49	98	71	82			
6				0	53	49	98	76	82			
7				0	53	48	95	75	81			
8				0	52	48	91	82	76			
9				0	51	48	90	90	76			
10				0	53	47	90	84	75			
11				0	54	47	90	81	75			
12				0	54	46	89	15	71			
13				0	54	45	89	78	59			
14				0	55	44	88	78	57			
15				0	55	43	89	78	57			
16				0	54	43	90	78	56			
17				0	54	13	86	78	57			
18				0	50	.74	97	78	50			
19				0	5.9	.14	50	77	43			
20				9.7	19	9.3	0	78	43			
21				3.2	56	55	0	82	18			
22				1.2	54	53	0	81	0			
23				.16	52	52	23	81	0			
24				1.3	50	59	77	80	0			
25				52	50	84	83	78	0			
26				60	50	93	88	76	0			
27				49	50	94	61	75	0			
28				49	51	96	84	75	0			
29		-----		48	50	92	85	71	0			
30		-----		49	46	104	86	71	0			
31		-----		-----	46	-----	83	74	-----			
TOTAL				322.56	1,487.9	1,506.38	2,396	2,352	1,376			
MEAN				10.8	48.0	50.2	77.3	75.9	45.9			
MAX				60	56	104	101	90	82			
MIN				0	5.9	.14	0	15	0			
AC-FT				640	2,950	2,990	4,750	4,670	2,730			
SUMMARY 1990.--MAX		104	MIN	0	AC-FT	18,730						

## NORTH PLATTE RIVER BASIN

NORTH PLATTE CANAL from North Platte River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	64	91	346	319	201			
2				0	62	91	340	300	195			
3				0	57	82	341	281	181			
4				0	51	90	346	236	181			
5				0	54	110	351	182	203			
6				0	54	109	345	170	196			
7				0	56	108	346	166	192			
8				0	68	106	352	178	184			
9				0	73	103	341	203	185			
10				0	62	105	336	248	171			
11				0	61	108	331	279	141			
12				0	61	110	322	226	87			
13				0	60	117	306	65	87			
14				0	61	122	279	145	36			
15				0	61	124	264	143	0			
16				0	61	128	256	157	0			
17				0	60	131	250	167	0			
18				0	60	148	261	169	0			
19				0	60	158	207	184	0			
20				0	57	169	19	220	0			
21				0	56	189	11	239	0			
22				0	56	205	19	267	0			
23				0	55	203	137	279	0			
24				0	55	222	205	282	0			
25				0	55	262	201	293	0			
26				0	55	328	212	300	0			
27				79	56	348	253	279	0			
28				106	56	346	275	229	0			
29		-----		69	63	353	306	226	0			
30		-----		66	82	349	302	242	0			
31		-----		-----	91	-----	308	233	-----		-----	
TOTAL				320	1,883	5,115	8,168	6,907	2,240			
MEAN				10.7	60.7	171	263	223	74.7			
MAX				106	91	353	352	319	203			
MIN				0	51	82	11	65	0			
AC-FT				635	3,730	10,150	16,200	13,700	4,440			
SUMMARY 1990.--MAX	353		MIN	0	AC-FT	48,860						

# NORTH PLATTE RIVER BASIN

PAXTON-HERSHEY CANAL from North Platte River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	23	13	90	99	92			
2				0	24	33	89	93	92			
3				0	28	32	90	81	90			
4				0	19	35	90	80	81			
5				0	28	36	89	76	79			
6				0	23	29	89	72	79			
7				0	14	22	87	75	68			
8				0	26	15	86	87	51			
9				0	34	12	93	94	33			
10				0	34	23	98	98	27			
11				0	33	39	99	99	40			
12				0	33	42	98	89	56			
13				0	32	56	95	58	39			
14				0	32	59	92	64	21			
15				0	33	60	87	82	24			
16				0	32	63	88	81	29			
17				0	30	64	88	80	29			
18				0	30	67	88	81	29			
19				0	32	68	86	80	25			
20				0	34	68	73	72	25			
21				0	30	68	70	58	23			
22				0	30	69	65	78	24			
23				0	29	67	67	86	24			
24				0	27	84	68	87	23			
25				0	26	102	73	91	14			
26				0	23	123	83	95	0			
27				0	25	121	91	92	0			
28				0	31	120	93	88	0			
29		-----		0	27	113	100	90	0			
30		-----		17	28	95	100	93	0			
31		-----		-----	20	-----	100	94	-----			
TOTAL				17	870	1,798	2,705	2,593	1,117			
MEAN				.57	28.1	59.9	87.3	83.6	37.2			
MAX				17	34	123	100	99	92			
MIN				0	14	12	65	58	0			
AC-FT				34	1,730	3,570	5,370	5,140	2,220			
SUMMARY 1990.--MAX		123	MIN	0	AC-FT	18,050						

## NORTH PLATTE RIVER BASIN

BIRDWOOD CANAL from Birdwood Creek - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	34	32	54	20		
2						0	38	36	57	27		
3						0	37	34	54	24		
4						0	40	31	42	14		
5						0	38	29	42	13		
6						0	44	35	39	11		
7						0	41	40	38	11		
8						0	33	40	36	11		
9						0	40	41	37	12		
10						0	35	43	37	11		
11						0	29	47	37	10		
12						0	31	38	26	7.9		
13						0	32	33	22	6.5		
14						0	30	31	26	5.9		
15						0	30	30	29	5.2		
16						3.2	37	30	30	0		
17						13	45	32	24	0		
18						14	53	34	21	0		
19						9.6	45	32	20	0		
20						11	41	31	20	0		
21						21	36	30	20	0		
22						18	34	31	21	0		
23						22	35	32	18	0		
24						23	33	30	17	0		
25						26	34	28	18	0		
26						28	37	27	22	0		
27						25	42	32	32	0		
28						29	34	40	28	0		
29		-----				33	26	44	15	0		
30		-----				32	35	47	14	0		
31		-----		-----		-----	36	51	-----	0	-----	
TOTAL						307.8	1,135	1,091	896	189.5		
MEAN						10.3	36.6	35.2	29.9	6.11		
MAX						33	53	51	57	27		
MIN						0	26	27	14	0		
AC-FT						611	2,250	2,160	1,780	376		
SUMMARY 1990.--MAX		57	MIN	0	AC-FT	7,180						

# NORTH PLATTE RIVER BASIN

SUBURBAN CANAL from North Platte River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	.50	50	120	92	73			
2				0	0	52	125	91	69			
3				0	0	51	127	92	75			
4				0	0	48	124	88	83			
5				0	0	45	127	74	77			
6				0	0	43	132	66	69			
7				0	0	42	116	59	63			
8				0	0	42	124	56	87			
9				0	0	40	127	93	66			
10				0	1.9	40	109	97	64			
11				0	7.9	40	85	89	65			
12				0	53	53	77	82	63			
13				0	52	58	79	34	56			
14				0	55	71	77	11	58			
15				0	56	75	71	10	59			
16				0	56	77	69	76	59			
17				0	50	75	70	71	58			
18				0	49	73	86	74	60			
19				0	51	72	93	75	60			
20				0	50	73	29	75	59			
21				0	48	74	22	77	31			
22				0	47	72	16	74	3.0			
23				0	47	69	11	76	.69			
24				0	48	70	43	75	0			
25				0	49	76	68	80	0			
26				10	49	87	65	88	0			
27				10	50	87	67	71	0			
28				10	51	108	75	68	0			
29		-----		10	50	111	91	93	0			
30		-----		6.0	51	115	97	83	0			
31		-----		-----	51	-----	95	73	-----		-----	
TOTAL				46.0	1,023.30	1,989	2,617	2,263	1,357.69			
MEAN				1.53	33.0	66.3	84.4	73.0	45.3			
MAX				10	56	115	132	97	87			
MIN				0	0	40	11	10	0			
AC-FT				91	2,030	3,950	5,190	4,490	2,690			
SUMMARY 1990.--MAX		132	MIN	0	AC-FT	18,440						



## NORTH PLATTE RIVER BASIN

CODY-DILLON CANAL from North Platte River - 1990

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.--Missing gage height record on May 11

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					3.0	0	30	26	23	17		
2					2.7	.33	30	31	24	17		
3					2.0	.46	31	32	25	17		
4					.70	.19	35	33	21	1.7		
5					17	0	36	33	11	1.3		
6					23	.46	35	37	14	.58		
7					.53	1.1	31	37	4.6	.40		
8					.54	.88	28	31	2.8	.47		
9					.69	.68	29	27	3.7	.72		
10					.51	.52	31	22	7.5	.70		
11					.10	.49	31	29	12	.67		
12					0	.74	29	32	13	.60		
13					0	.69	33	10	10	0		
14					0	.53	32	4.1	8.5	0		
15					0	3.8	31	14	15	0		
16					0	12	31	2.9	15	0		
17					0	11	30	.01	12	0		
18					.09	16	29	0	17	0		
19					.57	24	32	0	15	0		
20					.53	19	37	7.7	13	0		
21					.43	22	28	6.0	11	0		
22					.23	23	21	.19	14	0		
23					.01	21	21	1.4	16	0		
24					0	17	38	.20	18	0		
25					0	17	39	3.7	18	0		
26					0	16	35	9.9	20	0		
27					0	17	32	16	20	0		
28					0	23	25	17	22	0		
29		-----			0	28	23	15	18	0		
30		-----			.18	28	26	18	17	0		
31		-----	-----	-----	.17	-----	26	21	-----	0	-----	
TOTAL					52.98	304.87	945	517.10	441.1	58.14		
MEAN					1.71	10.2	30.5	16.7	14.7	1.88		
MAX					23	28	39	37	25	17		
MIN					0	0	21	0	2.8	0		
AC-FT					105	605	1,870	1,030	875	115		

SUMMARY 1990.--MAX 39 MIN 0 AC-FT 4,600

# NORTH PLATTE RIVER BASIN

LINCOLN COUNTY DRAIN NO. 1 at North Platte - 1990

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1931 - 1932, 1955 - present

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1990, 176 cubic feet per second on Aug. 12 at gage height 2.49 ft.  
Minimum daily discharge, 12 cubic feet per second on April 22 & 23.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	28	26	23	20	46	63	41	98	93	54	38	32
2	28	26	22	20	49	70	38	93	116	55	36	32
3	28	27	22	20	49	62	44	107	133	59	36	32
4	28	27	21	20	43	55	57	123	103	57	36	33
5	27	27	21	20	42	60	71	138	98	53	36	33
6	26	27	22	19	41	51	67	134	97	52	36	32
7	26	26	24	19	38	50	67	130	114	50	35	32
8	26	26	23	19	34	47	67	112	112	50	36	31
9	25	26	22	19	59	47	70	110	124	49	35	31
10	25	26	22	19	41	48	68	103	124	49	35	31
11	25	26	22	18	36	51	67	111	128	49	35	31
12	25	26	23	18	40	44	68	153	125	49	34	30
13	25	25	23	18	41	44	76	131	119	48	34	30
14	26	24	23	18	41	30	92	118	113	48	34	30
15	25	26	22	18	41	37	101	111	84	46	34	29
16	25	25	23	18	42	33	100	113	77	44	33	29
17	25	27	23	18	42	30	95	129	75	43	33	29
18	25	25	23	18	40	35	95	130	74	42	33	28
19	25	25	23	18	45	30	101	132	72	42	33	28
20	26	25	22	18	47	31	106	110	70	42	33	26
21	25	25	22	16	47	34	89	92	68	41	32	27
22	25	25	22	12	45	46	85	81	66	41	32	27
23	25	25	22	12	44	61	86	102	65	40	32	28
24	26	24	23	13	42	59	117	100	66	39	32	28
25	25	24	22	20	43	58	107	103	64	39	31	29
26	26	24	22	14	42	36	83	104	61	38	31	27
27	26	23	22	16	43	43	74	109	58	38	31	27
28	25	23	21	47	45	37	70	95	56	37	31	28
29	26	-----	21	58	44	39	73	74	56	37	31	26
30	26	-----	21	48	60	41	84	77	56	38	32	25
31	26	-----	21	-----	64	-----	89	89	-----	38	-----	26
TOTAL	800	711	688	631	1,376	1,372	2,448	3,412	2,667	1,407	1,010	907
MEAN	25.8	25.4	22.2	21.0	44.4	45.7	79.0	110	88.9	45.4	33.7	29.3
MAX	28	27	24	58	64	70	117	153	133	59	38	33
MIN	25	23	21	12	34	30	38	74	56	37	31	25
AC-FT	1,590	1,410	1,360	1,250	2,730	2,720	4,860	6,770	5,290	2,790	2,000	1,800

SUMMARY 1990.--MEAN 47.8    MAX 153    MIN 12    AC-FT 34,570

## SOUTH PLATTE RIVER BASIN

OLIVER RESERVOIR on Lodgepole Creek - 1990

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)
December 28, 1989 .....	2,080
January 25, 1990 .....	2,180
February 20, 1990 .....	2,300
March 22, 1990 .....	2,200
April 25, 1990 .....	2,540
May 24, 1990 .....	2,530
June 11, 1990 .....	2,480
July 2, 1990 .....	2,340
July 9, 1990 .....	2,270
July 12, 1990 .....	2,260
August 2, 1990 .....	2,360
August 14, 1990 .....	2,290
August 20, 1990 .....	2,250
September 10, 1990 .....	2,200
October 12, 1990 .....	2,100
November 13, 1990 .....	2,200
December 10, 1990 .....	2,290

# SOUTH PLATTE RIVER BASIN

LOGGEPOLLE CREEK BELOW OLIVER RESERVOIR near Kimball - 1990

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

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

PERIOD OF RECORD.--1981 - present

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1990, 7.1 cubic feet per second on July 9, gage height 0.76 feet.  
Minimum daily discharge 0.15 cubic feet per second on December 25.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	.36	.31	.42	.60	.42	.49	.40	1.8	1.5	.64	.54	.42
2	.36	.30	.42	.60	.44	.77	1.1	1.6	1.6	.60	.52	.42
3	.36	.30	.46	.57	.48	.42	2.1	1.6	1.7	.58	.58	.42
4	.33	.30	.44	.56	.56	.37	2.2	1.6	1.8	.50	.54	.42
5	.30	.30	.47	.60	.60	.36	2.5	1.7	1.6	.48	.51	.42
6	.30	.30	.57	.61	.57	.36	2.4	1.6	1.7	.44	.50	.41
7	.30	.30	.48	.60	.54	.36	2.5	1.6	1.7	.48	.48	.42
8	.30	.33	.48	.60	.60	.33	2.6	1.6	1.8	.43	.49	.42
9	.33	.36	.47	.60	.62	.30	3.4	1.6	1.8	.46	.48	.42
10	.31	.36	.42	.60	.58	.30	4.1	1.6	1.8	.50	.37	.42
11	.29	.36	.47	.60	.52	.31	2.9	1.7	1.9	.42	.36	.42
12	.30	.31	.42	.59	.61	.37	1.8	1.6	1.9	.45	.37	.42
13	.31	.25	.42	.59	.59	.36	1.9	1.6	1.8	.34	.43	.44
14	.30	.27	.42	.52	.46	.36	.45	1.7	1.7	.41	.36	.49
15	.30	.30	.46	.53	.52	.49	.28	1.6	2.0	.38	.40	.55
16	.30	.30	.48	.54	.52	.32	.27	1.6	2.0	.36	.41	.18
17	.34	.33	.49	.54	.54	.39	.60	1.6	2.1	.42	.42	.18
18	.33	.36	.48	.49	.51	.34	1.6	1.6	2.2	.42	.46	.22
19	.32	.36	.47	.48	.46	.36	1.6	1.5	2.2	.41	.46	.18
20	.36	.36	.38	.42	.56	.47	2.3	1.6	2.3	.39	.48	.24
21	.35	.36	.39	.48	.52	.48	1.9	1.6	2.1	.30	.45	.20
22	.30	.36	.40	.50	.43	.42	1.8	1.6	2.1	.36	.51	.18
23	.34	.36	.37	.48	.39	.48	1.6	1.5	.99	.36	.48	.18
24	.36	.36	.48	.48	.54	.34	1.6	.81	.77	.36	.52	.18
25	.36	.36	.48	.48	.54	.24	1.6	.60	.76	.36	.44	.15
26	.36	.36	.48	.49	.54	.29	1.6	.75	.57	.36	.54	.18
27	.36	.31	.45	.48	.51	.39	1.7	.84	.66	.36	.42	.18
28	.30	.36	.52	.54	.48	.73	1.8	.96	.54	.41	.42	.18
29	.30	-----	.55	.55	.60	.95	1.9	1.0	.59	.45	.46	.18
30	.36	-----	.54	.42	.53	.49	1.8	1.4	.63	.48	.48	.19
31	.36	-----	.62	-----	.46	-----	1.8	1.5	-----	.44	-----	.19
TOTAL	10.15	9.19	14.40	16.14	16.24	12.64	56.10	44.96	46.81	13.35	13.88	9.50
MEAN	.33	.33	.46	.54	.52	.42	1.81	1.45	1.56	.43	.46	.31
MAX	.36	.36	.62	.61	.62	.95	4.1	1.8	2.3	.64	.58	.55
MIN	.29	.25	.37	.42	.39	.24	.27	.60	.54	.30	.36	.15
AC-FT	20	18	29	32	32	25	111	89	93	26	28	19
SUMMARY 1990.--MEAN		.72	MAX	4.1	MIN	.15	AC-FT	522				

## SOUTH PLATTE RIVER BASIN

WESTERN CANAL from South Platte River - 1990

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1918 - present

REMARKS.--Estimated discharge November 7

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	159	89	36	92	39	60	55	
2				0	120	67	36	105	46	52	57	
3				0	54	47	42	75	40	52	69	
4				0	40	95	50	62	35	60	70	
5				0	33	98	38	76	44	57	75	
6				0	38	86	44	100	52	50	79	
7				0	79	94	43	94	63	51	74	
8				0	103	88	39	85	76	56	72	
9				0	68	72	47	110	81	68	76	
10				0	74	51	46	158	85	71	71	
11				0	86	67	48	160	88	68	71	
12				0	85	72	47	129	85	74	68	
13				0	82	65	44	101	87	62	62	
14				0	79	106	38	99	84	56	57	
15				0	83	122	34	85	80	50	38	
16				0	77	128	34	75	70	43	0	
17				0	63	131	34	71	77	37	0	
18				0	49	114	34	74	92	42	0	
19				0	57	68	37	77	103	32	0	
20				0	90	51	45	80	133	58	0	
21				0	85	43	62	77	108	56	0	
22				0	75	36	60	99	93	59	0	
23				0	62	33	54	94	89	56	0	
24				0	63	29	54	86	69	52	0	
25				0	61	29	46	73	51	52	0	
26				0	58	26	59	66	48	52	0	
27				0	66	21	57	62	61	54	0	
28				0	61	22	41	52	58	54	0	
29		-----		0	59	26	44	50	47	55	0	
30		-----		124	96	29	110	44	55	56	0	
31		-----		-----	91	-----	108	47	-----	56	-----	
TOTAL				124	2,296	2,005	1,511	2,658	2,139	1,701	994	
MEAN				4.13	74.1	66.8	48.7	85.7	71.3	54.9	33.1	
MAX				124	159	131	110	160	133	74	79	
MIN				0	33	21	34	44	35	32	0	
AC-FT				246	4,550	3,980	3,000	5,270	4,240	3,370	1,970	
SUMMARY 1990.--MAX	160		MIN	0	AC-FT	26,630						

# PLATTE RIVER BASIN

TRI-COUNTY CANAL from Platte River - 1990

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

GAGE.--Continuous stage recorder and flume

PERIOD OF RECORD.--1941 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	713	1,240	1,430	1,790	2,180	1,230	2,180	2,200	2,230	675	679	661
2	951	1,200	1,470	1,790	2,180	1,360	2,200	2,190	2,230	639	681	659
3	962	1,230	1,410	1,880	2,170	1,360	2,220	2,230	2,230	675	683	657
4	959	1,160	1,330	1,930	2,180	1,250	2,220	2,220	2,210	677	689	661
5	970	1,350	1,340	1,970	2,160	1,230	2,180	2,150	2,230	669	689	661
6	1,120	1,350	1,440	2,030	2,180	1,110	2,180	2,190	2,220	665	687	659
7	1,090	1,350	1,560	2,020	2,180	1,320	2,180	2,200	2,190	677	685	661
8	1,080	1,270	1,490	2,020	2,190	1,090	2,200	2,180	1,960	681	685	661
9	1,100	1,270	1,480	1,990	2,190	1,350	2,210	2,190	1,670	683	683	659
10	1,220	1,340	1,420	2,040	2,160	1,350	2,200	2,190	1,400	679	675	663
11	1,250	1,140	1,400	2,030	1,860	1,230	2,200	2,190	1,400	675	673	661
12	1,360	1,370	1,450	2,030	1,590	1,120	2,200	2,200	1,320	683	673	659
13	1,440	1,340	1,460	2,100	1,260	1,370	2,220	2,200	1,220	681	671	665
14	1,500	1,240	1,460	2,080	1,240	1,550	2,210	2,210	1,220	683	665	659
15	1,580	1,170	1,580	2,160	1,260	1,700	2,210	2,050	1,290	685	655	667
16	1,620	1,180	1,560	2,140	1,340	1,820	2,190	1,920	687	742	659	661
17	1,420	1,480	1,520	2,100	1,230	1,680	2,190	1,930	687	733	655	659
18	1,350	1,480	1,510	2,150	1,120	1,640	2,180	1,900	685	752	655	665
19	1,340	1,440	1,450	2,150	1,260	1,500	2,180	1,950	683	723	651	647
20	1,350	1,440	1,540	2,130	1,280	1,510	2,210	1,870	681	689	655	671
21	1,250	1,440	1,680	2,150	1,240	1,540	2,180	1,680	679	685	655	703
22	1,260	1,130	1,730	2,210	1,090	1,520	2,210	1,570	683	683	655	796
23	1,350	1,500	1,880	2,190	1,090	1,590	2,200	1,650	683	681	653	773
24	1,350	1,720	1,950	2,200	1,100	1,600	2,200	1,660	649	681	655	629
25	1,250	1,830	2,010	2,180	931	1,710	2,200	1,640	603	681	655	685
26	1,240	1,640	2,030	2,170	931	1,850	2,200	1,870	669	681	655	695
27	1,340	15,600	2,110	2,160	914	2,130	2,200	2,150	667	683	655	697
28	1,330	1,420	2,060	2,180	1,090	2,220	2,240	2,170	673	679	673	691
29	1,250	-----	2,020	2,190	1,100	2,220	2,200	2,170	671	677	673	605
30	1,240	-----	1,910	2,180	1,270	2,220	2,200	2,200	675	679	667	583
31	1,250	-----	1,860	-----	1,260	-----	2,200	2,240	-----	681	-----	691
TOTAL	38,485	52,320	50,540	62,340	47,226	46,370	68,190	63,360	37,095	21,257	20,044	20,764
MEAN	1,241	1,869	1,630	2,078	1,523	1,546	2,200	2,044	1,237	686	668	670
MAX	1,620	15,600	2,110	2,210	2,190	2,220	2,240	2,240	2,230	752	689	796
MIN	713	1,130	1,330	1,790	914	1,090	2,180	1,570	603	639	651	583
AC-FT	76,330	103,800	100,200	123,700	93,670	91,970	135,300	125,700	73,580	42,160	39,760	41,190
SUMMARY 1990.--MEAN		1,447	MAX	15,600	MIN	583	AC-FT	1,047,000				

## PLATTE RIVER BASIN

JEFFREY RESERVOIR from Platte River - 1990

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 and represent live storage

Day	STORAGE LEVEL												ELEVATION (feet)	CONTENT (acre-feet)
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
	Normal maximum operating level												2759.0	6,349
	Normal minimum operating level												2745.0	5,113
1	5,622	5,127	4,712	4,762	5,292	5,677	5,402	5,457	5,347	5,567	5,347	5,292		
2	5,677	4,912	4,662	4,862	5,292	5,842	5,347	5,402	5,402	5,622	5,457	5,512		
3	5,622	4,662	4,762	4,862	5,292	5,402	5,567	5,457	5,402	5,182	5,622	5,567		
4	5,567	4,762	4,612	4,812	5,347	5,842	5,567	5,402	5,402	4,512	5,787	5,622		
5	5,512	4,912	4,762	4,862	5,347	5,732	5,567	5,457	5,347	3,202	5,952	5,732		
6	5,237	5,292	5,182	4,862	5,402	5,512	5,567	5,457	5,457	3,392	5,842	5,732		
7	4,962	4,962	5,732	4,812	5,347	5,402	5,512	5,402	5,567	3,582	5,567	5,567		
8	4,712	4,862	5,677	4,662	5,457	5,402	5,402	5,402	5,677	3,677	5,402	5,457		
9	4,562	4,612	5,402	4,512	5,567	5,347	5,347	5,402	5,567	2,742	5,182	5,347		
10	4,562	4,562	5,182	4,812	5,567	5,512	5,347	5,842	5,072	1,984	5,237	5,127		
11	4,662	4,462	4,912	4,812	5,622	5,457	5,402	5,952	5,512	2,427	5,182	4,962		
12	4,612	4,412	4,712	4,812	5,457	5,292	5,457	5,952	5,677	2,382	5,237	4,862		
13	4,612	4,712	4,762	4,812	5,017	5,072	5,402	5,787	5,787	2,157	5,347	4,762		
14	4,812	4,712	4,862	4,812	5,237	5,182	5,402	5,787	5,732	1,899	5,457	4,912		
15	5,072	4,462	5,017	4,712	5,457	5,732	5,457	5,787	5,787	1,857	5,182	5,072		
16	5,292	4,612	5,182	4,912	5,402	5,897	5,457	5,567	5,567	1,857	5,017	5,237		
17	5,292	4,762	5,127	4,762	5,127	5,952	5,402	5,567	5,402	2,247	4,812	5,457		
18	5,182	5,292	4,962	4,562	5,072	6,007	5,347	5,567	5,457	3,059	4,612	5,347		
19	5,347	5,732	4,862	4,712	5,402	5,842	5,457	5,622	5,512	3,629	4,612	4,712		
20	5,402	5,732	4,862	4,762	5,732	5,677	5,512	5,622	5,567	3,724	4,562	4,112		
21	5,247	5,732	4,962	4,962	5,512	5,567	5,622	5,512	5,567	3,724	4,562	3,914		
22	5,182	5,677	5,072	5,182	5,402	5,402	5,622	5,402	5,512	3,914	4,562	3,819		
23	4,912	5,237	5,182	5,237	5,182	5,292	5,677	5,512	5,567	4,312	4,462	4,062		
24	4,912	5,127	5,237	5,292	5,182	4,912	5,677	5,732	5,567	4,562	4,512	4,212		
25	4,712	5,512	5,072	5,292	5,347	4,762	5,622	5,567	5,567	4,812	4,512	4,362		
26	4,762	5,292	5,127	5,347	5,622	4,712	5,622	5,182	5,457	5,017	4,612	4,612		
27	4,762	5,072	4,962	5,347	5,567	4,862	5,677	5,292	5,402	5,292	4,762	4,862		
28	4,712	4,912	4,862	5,292	5,567	5,292	5,567	5,292	5,402	5,347	4,712	5,127		
29	4,662	-----	4,962	5,292	5,567	5,622	5,567	5,292	5,402	5,182	4,762	5,347		
30	4,862	-----	4,912	5,292	5,732	5,512	5,512	5,347	5,457	5,292	5,017	5,237		
31	4,962	-----	4,962	-----	5,622	-----	5,512	5,347	-----	5,347	-----	5,237		
MEAN	5,032	5,004	5,008	4,934	5,411	5,457	5,503	5,528	5,505	3,790	5,063	5,006		
MAX	5,677	5,732	5,732	5,347	5,732	6,007	5,677	5,952	5,787	5,622	5,952	5,732		
MIN	4,562	4,412	4,612	4,512	5,017	4,712	5,347	5,182	5,072	1,857	4,462	3,819		
SUMMARY 1990.--MEAN		5,103	MAX	6,007	MIN	1,857								

# PLATTE RIVER BASIN

JEFFREY POWER RETURN to Platte River - 1990

LOCATION.--NE1/4SE1/4 Sec. 36-12-27 W. near Brady

GAGE.--Continuous stage recorder and 20 ft. Parshall flume

PERIOD OF RECORD.--1941 - present

REMARKS.--Estimated discharges February 3,4, 16 - 19; December 19 - 31

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	8.3	7.4	7.8	7.8	7.1	138	100	275	68	18	9.4	7.6
2	7.8	7.8	7.8	7.8	6.8	135	224	292	44	18	9.4	7.3
3	7.8	8.0	7.8	7.8	6.8	134	255	278	43	18	9.4	7.3
4	7.8	8.0	7.8	7.8	6.8	133	226	152	58	17	9.4	7.3
5	7.8	6.7	7.8	7.8	6.8	134	130	117	185	17	9.4	7.3
6	7.8	7.8	7.8	7.8	6.8	134	37	120	313	16	9.4	7.0
7	7.5	7.8	7.8	7.8	6.8	145	32	125	349	16	9.4	7.3
8	7.3	7.8	7.8	7.8	6.8	185	32	288	337	16	9.4	7.3
9	7.3	7.8	7.8	7.8	7.3	209	41	461	271	13	9.4	7.3
10	7.3	7.8	7.8	7.8	7.3	211	41	507	220	10	9.4	7.1
11	7.3	7.8	7.8	7.8	7.3	218	38	319	166	9.9	9.4	6.8
12	7.3	7.8	7.8	7.8	7.3	237	34	42	165	9.9	9.2	6.8
13	7.3	7.8	7.8	7.6	7.3	256	31	29	103	9.9	8.8	6.8
14	7.3	7.8	7.4	7.3	7.3	282	30	27	27	9.9	8.8	6.8
15	7.3	7.8	7.8	7.3	7.3	298	30	25	15	9.9	8.8	6.8
16	7.3	8.0	7.8	7.3	7.3	297	29	77	18	9.7	8.8	6.8
17	7.3	8.0	7.8	7.3	7.3	298	27	149	19	9.4	8.8	6.7
18	7.3	8.0	7.8	7.3	7.3	254	26	164	19	9.4	8.8	6.3
19	7.3	8.0	7.8	7.3	7.3	274	27	218	19	9.7	8.8	6.0
20	7.3	8.6	7.8	7.3	25	292	27	331	19	9.4	8.8	6.0
21	7.3	8.3	7.8	7.3	29	308	27	446	19	9.4	8.3	6.0
22	7.3	8.3	7.8	7.3	49	307	26	523	19	9.4	8.3	6.0
23	7.3	7.8	7.8	7.3	60	308	110	584	19	9.4	8.3	6.0
24	7.3	7.8	7.8	7.3	59	350	338	585	19	9.4	8.3	6.0
25	7.3	7.8	7.8	7.3	54	408	314	579	18	9.4	8.3	6.0
26	6.7	7.8	7.8	7.3	50	528	161	557	18	9.4	8.3	6.0
27	6.8	7.8	7.8	7.3	64	601	233	540	18	9.4	8.3	6.0
28	6.8	7.8	7.8	7.3	72	550	187	440	18	9.4	8.1	6.0
29	6.7	-----	7.8	7.3	85	429	364	344	18	9.4	7.8	6.0
30	6.3	-----	7.8	7.3	98	288	297	293	18	9.4	7.8	6.0
31	6.3	-----	7.8	-----	118	-----	276	144	-----	9.4	-----	6.0
TOTAL	225.8	219.9	241.4	225.3	898.0	8,341	3,750	9,031	2,642	359.5	264.8	204.6
MEAN	7.28	7.85	7.79	7.51	29.0	278	121	291	88.1	11.6	8.83	6.60
MAX	8.3	8.6	7.8	7.8	118	601	364	585	349	18	9.4	7.6
MIN	6.3	6.7	7.4	7.3	6.8	133	26	25	15	9.4	7.8	6.0
AC-FT	448	436	479	447	1,780	16,540	7,440	17,910	5,240	713	525	406
SUMMARY 1990.--MEAN		72.3	MAX	601	MIN	6.0	AC-FT	52,370				



## PLATTE RIVER BASIN

ELWOOD RESERVOIR from Platte River - 1990

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		CONTENT				
						(feet)		(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				
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	24,100	22,700	21,400	29,100	35,700	38,400	34,500	22,000	14,400	21,000	27,000	24,900
2	24,100	22,700	21,300	29,400	35,800	38,300	33,900	21,600	14,100	21,300	26,900	24,900
3	24,000	22,600	21,200	29,600	36,000	38,300	33,500	21,200	13,700	21,700	26,800	24,900
4	24,000	22,600	21,200	29,900	36,200	38,100	33,100	20,800	13,400	22,000	26,800	24,800
5	23,900	22,600	21,100	30,200	36,500	38,300	32,600	20,400	13,500	22,300	26,700	24,700
6	23,800	22,600	21,100	30,300	36,600	38,300	32,200	20,000	13,400	22,600	26,600	24,700
7	23,800	22,500	21,200	30,600	36,800	38,100	31,800	19,600	13,400	22,900	26,500	24,600
8	23,700	22,500	21,400	31,000	37,000	38,100	31,500	19,300	13,400	23,100	26,400	24,500
9	23,700	22,400	21,800	31,200	37,200	38,100	31,000	18,900	13,400	23,500	26,300	24,500
10	23,700	22,400	22,200	31,500	37,300	38,100	30,500	18,500	13,700	23,800	26,200	24,400
11	23,700	22,300	22,600	31,700	37,600	38,100	30,200	18,200	14,000	24,100	26,200	24,300
12	23,600	22,300	22,900	31,900	37,700	38,100	29,800	18,300	14,300	24,400	26,100	24,300
13	23,600	22,200	23,300	32,100	37,800	38,100	29,400	18,200	14,600	24,700	26,100	24,300
14	23,500	22,200	23,700	32,300	38,100	38,000	29,000	18,100	14,800	24,900	26,000	24,300
15	23,500	22,200	23,900	32,600	38,100	38,000	28,600	18,000	15,100	25,200	25,900	24,200
16	23,400	22,100	24,300	32,800	38,100	38,000	28,200	18,000	15,400	25,600	25,800	24,100
17	23,400	22,200	24,600	33,000	38,300	38,000	27,800	17,900	15,700	25,700	25,700	24,000
18	23,300	21,900	24,900	33,200	38,500	38,000	27,400	17,900	16,100	26,000	25,800	23,900
19	23,300	21,800	25,200	33,500	38,500	37,900	27,000	17,900	16,500	26,300	25,700	23,900
20	23,200	21,800	25,500	33,700	38,500	37,800	26,600	17,900	16,900	26,500	25,700	23,800
21	23,200	21,800	25,800	33,900	38,500	37,800	26,300	17,900	17,300	26,800	25,600	23,700
22	23,100	21,700	26,100	34,200	38,400	37,600	25,800	17,800	17,700	27,100	25,600	23,700
23	23,100	21,700	26,500	34,400	38,400	37,300	25,500	17,800	18,000	27,300	25,500	23,600
24	23,100	21,600	26,800	34,500	38,400	37,100	25,000	17,700	18,400	27,600	25,400	23,500
25	23,100	21,500	27,100	34,600	38,500	36,800	24,700	17,400	18,800	27,800	25,400	23,500
26	23,000	21,500	27,400	34,700	38,500	36,600	24,300	17,200	19,200	27,600	25,300	23,500
27	23,000	21,400	27,700	34,900	38,500	36,200	23,900	16,800	19,500	27,500	25,200	23,400
28	22,900	21,400	27,900	35,100	38,500	35,800	23,600	16,300	19,900	27,400	25,100	23,400
29	22,900	-----	28,200	35,200	38,400	35,300	23,100	15,900	20,300	27,300	25,000	23,300
30	22,800	-----	28,500	35,500	38,300	34,900	22,800	15,300	20,600	27,200	25,000	23,300
31	22,800	-----	28,800	-----	38,300	-----	22,400	14,900	-----	27,100	-----	23,200
MAX	24,100	22,700	28,800	35,500	38,500	38,400	34,500	22,000	20,600	27,800	27,000	24,900
MIN	22,800	21,400	21,100	29,100	35,700	34,900	22,400	14,900	13,400	21,000	25,000	23,200
CHANGE	-1,400	-1,400	7,400	6,700	2,800	-3,400	-12,500	-7,500	5,700	6,500	-2,100	-1,800
SUMMARY 1990.--MEAN	26,300		MAX	38,500	MIN	13,400						

# PLATTE RIVER BASIN

JOHNSON RESERVOIR from Platte River - 1990

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 and represent live storage

STORAGE LEVEL		ELEVATION (feet)											CONTENT (acre-feet)
Operating level		2620.0											46,935
Minimum operating level		2590.9											0
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	40,055	40,290	43,435	40,525	38,410	43,685	39,350	42,185	38,175	40,760	44,185	40,290	
2	40,055	40,290	43,685	40,290	38,410	43,435	39,585	42,185	39,585	40,525	44,185	40,290	
3	40,290	40,290	44,185	39,820	38,880	43,685	38,645	42,685	40,995	41,230	44,185	40,995	
4	40,525	40,525	44,185	39,585	39,585	43,685	38,175	42,935	41,935	42,185	43,935	40,995	
5	40,995	40,760	43,935	39,585	40,055	43,935	37,940	43,185	43,185	43,185	43,685	40,995	
6	41,230	41,230	43,935	39,585	40,760	43,685	37,235	43,685	43,935	43,185	42,935	40,995	
7	41,465	40,995	43,685	39,585	40,995	43,185	37,235	43,935	43,935	42,935	42,685	40,995	
8	42,185	40,995	43,685	39,350	42,435	42,685	37,235	44,685	45,185	42,935	42,935	40,995	
9	41,935	40,760	43,435	39,350	43,685	42,195	37,705	44,435	45,435	43,185	43,185	40,995	
10	41,935	40,525	43,685	39,350	45,185	41,935	38,175	43,185	44,935	43,685	43,185	41,230	
11	41,700	39,820	43,935	39,350	45,185	41,465	38,410	42,935	44,435	44,185	41,230	41,230	
12	41,230	41,230	44,185	39,350	44,935	41,700	38,175	44,435	43,935	44,185	40,995	41,230	
13	40,995	41,465	44,685	39,820	44,685	41,700	38,410	44,935	43,685	44,185	40,995	40,760	
14	40,995	41,230	44,685	40,055	44,435	41,700	38,645	44,435	43,685	44,185	41,230	40,290	
15	40,525	40,760	44,685	39,820	44,185	41,935	38,880	44,435	44,185	43,935	41,465	39,820	
16	40,290	40,525	44,935	40,055	44,435	42,435	38,880	44,685	44,185	43,185	41,465	39,350	
17	40,055	40,525	44,435	39,585	44,685	43,185	39,350	44,685	44,185	43,435	41,465	38,410	
18	39,820	40,760	44,435	39,350	44,935	43,685	39,585	44,935	44,185	43,435	41,465	38,410	
19	40,290	40,290	44,685	39,585	44,185	43,935	40,055	45,185	44,185	43,435	41,230	38,880	
20	40,760	40,760	43,935	39,115	44,185	43,935	40,525	44,935	43,935	42,935	40,995	39,350	
21	40,995	41,230	42,685	39,115	44,185	43,935	40,995	44,185	43,435	41,935	40,760	39,350	
22	41,230	41,935	41,700	38,645	44,435	43,935	41,465	43,685	42,935	41,935	40,525	39,115	
23	41,230	42,185	40,995	38,645	44,435	43,935	41,700	43,185	42,435	41,700	40,055	39,350	
24	41,230	42,185	40,290	38,410	43,395	44,185	41,935	42,185	41,700	41,700	39,820	39,585	
25	41,230	41,935	39,820	38,410	43,685	43,935	41,465	41,230	41,465	41,700	39,350	39,820	
26	41,230	41,700	39,585	38,645	43,185	43,435	41,935	40,525	40,995	42,685	38,880	40,055	
27	40,760	42,685	39,585	38,175	43,185	42,685	42,185	40,290	40,760	43,185	39,350	40,290	
28	40,290	42,935	40,055	38,175	43,185	41,465	42,185	39,115	40,760	43,685	39,585	40,760	
29	40,525	-----	40,525	38,175	42,935	40,760	42,435	38,175	40,760	43,685	39,585	41,230	
30	40,525	-----	40,995	38,410	43,435	39,820	42,185	37,940	40,760	44,185	40,055	41,230	
31	40,525	-----	40,760	-----	43,685	-----	42,435	37,705	-----	44,185	-----	41,465	
MEAN	40,874	41,101	42,885	39,264	43,032	42,863	39,778	42,804	42,797	42,951	41,520	40,282	
MAX	42,185	42,935	44,935	40,525	45,185	44,185	42,435	45,185	45,435	44,185	44,185	41,465	
MIN	39,820	39,820	39,585	38,175	38,410	39,820	37,235	37,705	38,175	40,525	38,880	38,410	
SUMMARY 1990.--MEAN		41,685	MAX	45,435	MIN	37,235							

## PLATTE RIVER BASIN

PHELPS COUNTY CANAL from Platte River via Tri-County Canal - 1990

LOCATION.--NE1/4NE1/4 Sec. 11-8-21 W. near Overton

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

PERIOD OF RECORD.--1947 - 1949, 1970 - present

REMARKS.--Estimated discharges April 23, 24

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	166	223	1,170	901	835			
2				0	182	217	1,100	911	730			
3				0	167	240	1,180	895	644			
4				0	157	268	1,180	775	562			
5				0	148	272	1,160	746	534			
6				0	136	251	1,160	808	435			
7				0	180	250	1,080	844	307			
8				0	225	250	1,040	886	225			
9				0	232	247	1,020	916	215			
10				0	244	258	1,090	920	194			
11				0	269	267	1,090	836	130			
12				0	219	267	1,040	440	35			
13				0	248	269	1,080	282	0			
14				0	256	269	1,040	330	0			
15				0	252	274	967	220	0			
16				0	245	271	1,010	294	0			
17				0	201	268	995	275	0			
18				0	320	289	1,050	308	0			
19				0	256	317	1,060	260	0			
20				0	279	316	1,020	313	0			
21				0	258	337	869	323	0			
22				0	250	354	839	392	0			
23				25	261	354	886	399	0			
24				53	241	389	925	520	0			
25				101	246	461	954	579	0			
26				148	272	611	952	632	0			
27				173	263	758	945	808	0			
28				179	258	855	944	1,100	0			
29		-----		177	256	974	900	1,140	0			
30		-----		148	241	1,100	851	1,060	0			
31		-----		-----	240	-----	874	903	-----		-----	
TOTAL				1,004	7,168	11,476	31,471	20,016	4,846			
MEAN				33.5	231	383	1,015	646	162			
MAX				179	320	1,100	1,180	1,140	835			
MIN				0	136	217	839	220	0			
AC-FT				1,990	14,220	22,760	62,420	39,700	9,610			
SUMMARY 1990.--MAX	1,180		MIN	0	AC-FT	150,700						

# PLATTE RIVER BASIN

JOHNSON POWER RETURN to Platte River - 1990

LOCATION.--SE1/4NW1/4 Sec. 2-8-21 W. near Overton

GAGE.--Flow meter in inlet pipe to Johnson Hydro No. 2 turbine generator

PERIOD OF RECORD.--1941 - present

REMARKS.--Return to Platte River is Johnson Hydro No. 2 discharge minus Phelps Co. Canal discharge.  
Values furnished by Central Nebraska Public Power and Irrigation District.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	714	880	969	1,340	1,150	283	0	0	0	257	417	330
2	533	820	998	1,310	1,130	294	0	0	0	251	631	362
3	535	940	983	1,440	1,110	269	0	0	0	243	638	326
4	558	880	941	1,500	1,110	252	0	0	0	255	638	344
5	593	887	947	1,480	1,010	247	0	0	0	251	640	412
6	653	806	941	1,470	1,020	258	0	0	0	247	659	480
7	642	895	927	1,470	1,000	272	0	0	230	253	772	537
8	649	1,040	911	1,460	726	273	0	0	551	256	756	565
9	955	1,190	884	1,460	604	213	0	0	488	268	720	570
10	959	1,250	830	1,360	485	206	0	0	756	260	682	671
11	976	1,300	872	1,320	1,220	212	0	0	572	270	730	753
12	1,260	360	875	1,300	1,160	171	0	532	418	279	741	741
13	1,250	750	849	1,320	817	174	0	727	398	390	504	829
14	1,250	939	850	1,450	821	185	0	1,130	342	380	571	873
15	1,240	984	858	1,550	400	156	0	1,170	322	410	621	879
16	1,250	651	853	1,580	364	48	0	1,010	301	931	259	877
17	1,170	821	973	1,590	185	144	0	765	326	980	621	877
18	1,030	802	964	1,580	398	128	0	659	337	971	640	521
19	796	817	983	1,580	847	173	0	694	357	936	636	249
20	910	735	1,420	1,570	379	189	0	573	341	941	630	407
21	921	784	1,350	1,560	414	78	0	453	334	952	624	428
22	1,070	719	1,420	1,550	421	62	0	3.0	332	372	625	469
23	1,130	1,060	1,400	1,500	412	39	0	0	344	271	637	464
24	1,110	1,260	1,540	1,510	424	0	0	0	361	291	661	429
25	1,020	1,270	1,480	1,350	410	0	0	0	349	374	633	402
26	1,080	1,540	1,550	1,420	242	25	0	0	341	376	643	381
27	1,180	1,030	1,540	1,310	236	0	0	0	330	377	137	386
28	1,170	1,010	1,340	1,350	250	10	0	0	286	383	319	390
29	862	-----	1,390	1,250	261	0	0	0	246	442	129	406
30	871	-----	1,400	1,320	15	0	0	0	243	470	330	417
31	929	-----	1,320	-----	62	-----	0	0	-----	425	-----	425
TOTAL	29,266	26,420	34,558	43,250	19,083	4,361	0	7,716.0	8,905	13,762	17,244	16,200
MEAN	944	944	1,115	1,442	616	145	0	249	297	444	575	523
MAX	1,260	1,540	1,550	1,590	1,220	294	0	1,170	756	980	772	879
MIN	533	360	830	1,250	15	0	0	0	0	243	129	249
AC-FT	58,050	52,400	68,550	85,790	37,850	8,650	0	15,300	17,660	27,300	34,200	32,130

SUMMARY 1990.--TOTAL 220,765.0 MEAN 605 MAX 1,590 MIN 0 AC-FT 437,900

## PLATTE RIVER BASIN

PLATTE RIVER below Tri-County Diversion Dam - 1990

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

GAGE.--Continuous stage recorder

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

Continuous, twelve month record started April 1, 1990

REMARKS.--Estimated discharges April 1, 2

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				50	1,760	84	1,490	1,140	887	52	51	66
2				50	1,720	112	1,570	1,130	920	54	54	67
3				52	1,560	103	1,460	1,160	980	64	60	62
4				62	1,210	106	1,710	1,210	755	59	55	63
5				65	518	98	1,880	1,270	477	54	55	68
6				68	300	65	1,970	1,270	319	57	56	71
7				70	208	63	1,910	1,220	116	69	54	73
8				71	163	58	1,740	1,000	92	73	48	69
9				69	320	56	1,710	868	86	73	47	65
10				70	136	54	1,930	894	70	71	48	64
11				71	86	51	1,990	1,110	57	65	50	64
12				72	100	48	1,840	1,420	51	64	53	62
13				72	76	46	1,770	1,160	50	67	60	66
14				74	73	46	1,820	296	47	70	66	63
15				72	79	49	1,680	61	47	69	65	64
16				81	80	50	1,660	58	53	72	67	61
17				131	80	47	1,550	59	57	67	64	58
18				166	75	45	1,580	56	57	66	63	59
19				241	84	44	1,770	51	69	59	69	111
20				249	97	44	1,830	49	70	61	69	183
21				223	108	48	1,710	48	66	60	71	254
22				311	98	47	1,320	49	60	54	66	234
23				567	87	48	949	131	53	48	64	299
24				757	80	48	865	294	54	51	61	326
25				1,130	72	49	1,090	512	54	49	63	238
26				1,400	70	181	1,100	535	52	50	66	126
27				1,630	70	401	1,130	610	51	48	62	70
28				1,640	70	740	1,160	929	48	51	57	151
29				1,850	72	1,130	963	933	48	49	61	294
30		-----		1,850	82	1,360	1,120	844	47	50	63	173
31		-----		-----	87	-----	1,150	927	-----	51	-----	190
TOTAL				13,214	9,621	5,321	47,417	21,294	5,793	1,847	1,788	3,814
MEAN				440	310	177	1,530	687	193	59.6	59.6	123
MAX				1,850	1,760	1,360	1,990	1,420	980	73	71	326
MIN				50	70	44	865	48	47	48	47	58
AC-FT				26,210	19,080	10,550	94,050	42,240	11,490	3,660	3,550	7,570

SUMMARY 1990.--Incomplete record

PLATTE RIVER BASIN

THIRTY MILE CANAL from Platte River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	75	289	275	0			
2					0	75	299	275	0			
3					0	75	299	274	0			
4					0	75	299	273	0			
5					0	75	299	273	0			
6					0	76	299	275	0			
7					0	76	300	275	0			
8					0	76	303	275	0			
9					0	76	301	276	0			
10					0	92	303	277	0			
11					0		303	274	0			
12					0	101	303	223	0			
13					0	101	303	198	0			
14					0	100	303	188	0			
15					0	99	303	115	0			
16					0	99	304	137	0			
17					0	99	305	152	0			
18					0	100	303	152	0			
19					0	116	305	171	0			
20					40	126	301	206	0			
21					74	127	301	201	0			
22					75	128	295	227	0			
23					75	128	280	248	0			
24					75	129	276	250	0			
25					75	145	276	250	0			
26					75	170	275	250	0			
27					75	198	275	250	0			
28					75	224	276	250	0			
29		-----			75	240	275	251	0			
30		-----			75	265	276	252	0			
31		-----		-----	75	-----	275	85	-----		-----	
TOTAL					864	3,466	9,104	7,078	0			
MEAN					27.9	120	294	228	0			
MAX					75	265	305	277	0			
MIN					0	75	275	85	0			
AC-FT					1,710	6,870	18,060	14,040	0			
SUMMARY 1990.--MAX		305	MIN	0	AC-FT	40,690						

## PLATTE RIVER BASIN

GOTHENBURG CANAL from Platte River - 1990

LOCATION.--NW1/4SW1/4 Sec. 28-12-26 W. near Brady

GAGE.--Continuous stage recorder and 20 ft. Parshall flume

PERIOD OF RECORD.--1916, 1918 - 1919, 1921 - 1943, 1945 - present

REMARKS.--Prior to 1971, water for irrigation was diverted through the Gothenburg Hydro unit.  
 Since 1983, the Gothenburg Canal has delivered water to the Buffalo Creek (B-1) Reservoir supply canal.  
 The 1990 delivery was 4610 acre feet.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	77	129	323	320	292	88		
2				0	76	132	332	318	284	88		
3				0	75	133	341	311	282	90		
4				0	74	136	343	308	284	89		
5				0	46	138	340	310	284	12		
6				0	75	137	340	313	277	0		
7				0	75	137	353	313	256	0		
8				1.0	73	137	354	316	239	0		
9				19	73	137	355	316	201	0		
10				94	75	137	356	314	158	0		
11				94	75	136	352	319	148	0		
12				65	75	135	343	135	147	0		
13				55	75	135	343	117	126	0		
14				54	75	136	344	116	101	0		
15				55	76	139	341	116	92	0		
16				50	76	141	336	113	86	0		
17				50	82	151	331	119	86	0		
18				49	99	154	331	124	98	0		
19				49	98	159	339	141	103	0		
20				48	99	159	335	159	100	0		
21				48	98	160	329	159	92	0		
22				74	99	160	323	177	82	0		
23				99	99	159	318	205	82	0		
24				91	99	158	312	258	82	0		
25				73	99	159	314	283	81	0		
26				72	100	170	314	292	83	0		
27				67	100	191	316	304	86	0		
28				75	100	227	316	303	86	0		
29		-----		77	101	270	317	303	87	0		
30		-----		77	102	302	319	302	88	0		
31		-----		-----	112	-----	320	300	-----	0	-----	
TOTAL				1,436.0	2,658	4,754	10,330	7,484	4,493	367		
MEAN				47.9	85.7	158	333	241	150	11.8		
MAX				99	112	302	356	320	292	90		
MIN				0	46	129	312	113	81	0		
AC-FT				2,850	5,270	9,430	20,490	14,840	8,910	728		
SUMMARY 1990.--MAX	356		MIN	0	AC-FT	62,520						

# P L A T T E R I V E R B A S I N

BUFFALO CREEK (B-1) RESERVOIR SUPPLY CANAL from Platte River, via Gothenburg Canal - 1990

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1983, 1985 - present

REMARKS.--Estimated discharges April 27; June 29; August 15 - 20, 23; September 3; October 8

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	32	17	0	0	0	29		
2				0	33	18	0	0	3.5	27		
3				0	31	20	0	0	7.6	21		
4				0	30	22	0	0	7.3	26		
5				0	33	22	0	0	7.7	27		
6				0	28	19	0	0	17	19		
7				0	20	17	0	0	26	5.9		
8				0	19	19	0	0	28	3.0		
9				0	17	19	0	0	28	0		
10				0	15	20	0	0	27	0		
11				0	17	20	0	0	27	0		
12				0	20	20	0	0	29	0		
13				0	21	19	0	0	27	0		
14				0	22	19	0	0	17	0		
15				0	20	22	0	4.0	15	0		
16				0	19	23	0	7.5	19	0		
17				0	22	23	0	7.5	21	0		
18				0	22	24	0	7.5	24	0		
19				0	22	21	0	7.5	29	0		
20				0	23	19	0	7.5	30	0		
21				0	23	21	0	8.8	30	0		
22				0	22	24	0	5.9	29	0		
23				0	21	27	0	1.5	25	0		
24				0	20	32	0	0	27	0		
25				0	20	29	0	0	28	0		
26				0	20	28	0	0	28	0		
27				15	21	25	0	0	29	0		
28				27	21	24	0	0	30	0		
29		-----		34	20	13	0	0	30	0		
30		-----		37	21	0	0	0	30	0		
31		-----		-----	16	-----	0	0	-----	0	-----	
TOTAL				113	691	626	0	57.7	676.1	157.9		
MEAN				3.77	22.3	20.9	0	1.86	22.5	5.09		
MAX				37	33	32	0	8.8	30	29		
MIN				0	15	0	0	0	0	0		
AC-FT				224	1,370	1,240	0	114	1,340	313		
SUMMARY 1990.--MAX		37	MIN	0	AC-FT	4,610						



## PLATTE RIVER BASIN

SIX MILE CANAL from Platte River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	6.3	0	17	20	15			
2				0	6.1	0	23	20	15			
3				0	6.6	0	30	22	15			
4				0	4.3	0	35	21	16			
5				0	1.3	0	38	19	8.8			
6				0	0	0	39	22	4.4			
7				0	0	0	37	27	2.3			
8				0	0	0	35	28	0			
9				0	0	0	33	31	0			
10				0	0	0	38	30	0			
11				0	0	0	42	27	0			
12				0	0	0	40	23	0			
13				0	0	0	35	18	0			
14				0	0	0	32	12	0			
15				0	0	0	32	5.9	0			
16				0	0	.13	31	3.6	0			
17				0	0	.41	29	3.5	0			
18				0	0	0	26	.28	0			
19				0	0	0	30	2.4	0			
20				0	0	0	33	2.5	0			
21				0	0	0	30	3.4	0			
22				0	0	0	28	5.1	0			
23				0	0	0	25	6.8	0			
24				0	0	0	30	7.5	0			
25				0	0	0	32	9.2	0			
26				1.8	0	0	28	12	0			
27				2.8	0	.74	24	13	0			
28				1.2	0	3.1	25	14	0			
29		-----		2.1	0	7.9	22	16	0			
30		-----		5.1	0	14	22	15	0			
31		-----		-----	0	-----	19	15	-----		-----	
TOTAL				13.0	24.6	26.28	940	455.18	76.5			
MEAN				.43	.79	.88	30.3	14.7	2.55			
MAX				5.1	6.6	14	42	31	16			
MIN				0	0	0	17	.28	0			
AC-FT				26	49	52	1,860	903	152			
SUMMARY 1990.--MAX	42	MIN	0	AC-FT	3,050							

# P L A T T E R I V E R B A S I N

COZAD CANAL from Platte River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	34	202	208	155			
2					0	26	253	207	154			
3					0	24	270	207	154			
4					0	33	269	208	154			
5					0	41	279	208	39			
6					0	40	287	208	0			
7					25	40	287	207	0			
8					40	41	287	207	0			
9					40	42	288	207	0			
10					40	44	288	207	0			
11					30	45	284	206	0			
12					32	47	280	71	0			
13					40	51	279	3.0	0			
14					40	52	279	2.1	0			
15					41	52	279	1.9	0			
16					33	49	279	1.6	0			
17					30	48	279	1.3	0			
18					30	55	279	1.3	0			
19					28	58	276	6.3	0			
20					27	55	275	27	0			
21					26	56	275	86	0			
22					28	57	276	125	0			
23					26	56	240	153	0			
24					26	59	216	167	0			
25					31	59	217	169	0			
26					35	62	217	169	0			
27					34	61	218	169	0			
28					34	63	218	172	0			
29		-----			35	103	218	172	0			
30		-----			35	152	218	172	0			
31		-----		-----	35	-----	213	164	-----		-----	
TOTAL					821	1,605	8,025	4,113.5	656			
MEAN					26.5	53.5	259	133	21.9			
MAX					41	152	288	208	155			
MIN					0	24	202	1.3	0			
AC-FT					1,630	3,180	15,920	8,160	1,300			
SUMMARY 1990.--MAX		288	MIN	0	AC-FT	30,190						

## P L A T T E R I V E R B A S I N

ORCHARD-ALFALFA CANAL from Platte River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	22	73	60	62			
2					0	24	71	61	60			
3					0	24	77	65	58			
4					0	30	82	64	58			
5					0	35	89	61	57			
6					0	33	94	61	56			
7					0	33	93	61	54			
8					0	32	87	62	51			
9					0	32	85	64	37			
10					0	33	83	65	0			
11					0	34	91	60	0			
12					12	34	87	21	0			
13					24	34	69	5.5	0			
14					24	35	61	12	0			
15					26	38	62	13	0			
16					26	3.6	80	3.7	0			
17					23	3.7	88	3.7	0			
18					21	3.7	84	3.7	0			
19					21	14	86	3.7	0			
20					22	32	89	3.7	0			
21					21	35	79	21	0			
22					18	36	62	33	0			
23					21	35	54	47	0			
24					22	27	53	57	0			
25					22	18	61	58	0			
26					21	43	62	59	0			
27					20	52	61	60	0			
28					19	55	62	60	0			
29		-----			18	62	63	62	0			
30		-----			19	73	63	63	0			
31		-----		-----	19	-----	60	64	-----		-----	
TOTAL					419	966.0	2,311	1,338.0	493			
MEAN					13.5	32.2	74.5	43.2	16.4			
MAX					26	73	94	65	62			
MIN					0	3.6	53	3.7	0			
AC-FT					831	1,920	4,580	2,650	978			
SUMMARY 1990.--MAX	94		MIN	0	AC-FT	10,960						

# PLATTE RIVER BASIN

DAWSON COUNTY CANAL from Platte River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	136	430	477	394			
2					0	128	431	468	394			
3					0	137	511	466	388			
4					0	137	519	458	379			
5					0	140	531	413	360			
6					0	142	530	429	351			
7					0	138	528	436	309			
8					37	124	531	439	295			
9					79	129	525	455	273			
10					80	139	496	456	249			
11					80	131	528	435	211			
12					79	118	527	356	183			
13					80	120	527	280	159			
14					89	127	528	248	70			
15					97	141	527	109	0			
16					96	139	528	156	0			
17					95	137	529	158	0			
18					95	137	529	160	0			
19					93	137	531	160	0			
20					93	135	529	160	0			
21					103	134	523	160	0			
22					118	138	495	170	0			
23					119	139	473	177	0			
24					118	148	485	178	0			
25					118	180	492	206	0			
26					112	211	489	259	0			
27					112	247	491	301	0			
28					113	294	494	322	0			
29		-----			116	347	494	362	0			
30		-----			125	397	494	378	0			
31		-----		-----	134	-----	487	387	-----		-----	
TOTAL					2,381	4,907	15,732	9,619	4,015			
MEAN					76.8	164	507	310	134			
MAX					134	397	531	477	394			
MIN					0	118	430	109	0			
AC-FT					4,720	9,730	31,200	19,080	7,960			
SUMMARY 1990.--MAX		531	MIN	0	AC-FT	72,700						

## PLATTE RIVER BASIN

PLUM CREEK near Smithfield - 1990

LOCATION.--SE1/4SW1/4 SEC.21-8-21 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1980 - present

REMARKS.--Estimated discharges Nov. 29, 30; Dec. 1 - 3, 5 - 7, 16 - 19, 21, 22, 26 - 29

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 905 cubic feet per second, June 25, 1989, gage height 13.91 feet.  
Minimum daily discharge 0.01 cubic feet per second, several days in 1980 and 1981.EXTREMES FOR CURRENT YEAR.--Maximum discharge 218 cubic feet per second, August 12, gage height 8.73.  
Minimum daily discharge 5.7 cubic feet per second, July 27.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	10	14	12	14	13	14	7.9	7.7	7.2	7.2	9.9	11
2	10	7.9	12	14	13	14	7.6	8.7	6.6	7.5	10	11
3	11	13	13	13	13	18	6.7	8.8	6.3	7.8	10	11
4	11	12	13	13	13	14	6.5	6.8	5.8	9.5	11	9.9
5	10	12	14	13	16	13	6.1	6.7	5.8	8.8	11	10
6	9.9	11	15	13	14	13	6.2	8.5	5.8	8.1	11	11
7	10	13	25	13	14	12	6.8	7.6	6.3	7.8	12	11
8	10	13	28	14	14	11	7.0	9.3	6.3	8.0	12	12
9	11	12	23	15	15	11	6.4	9.1	6.4	8.1	10	12
10	11	12	18	14	21	11	5.9	7.3	6.4	8.8	11	12
11	10	12	17	14	16	11	6.0	108	6.3	8.7	11	12
12	14	13	18	13	18	11	6.6	156	6.4	8.8	11	12
13	8.7	13	21	13	18	11	5.8	60	6.2	8.4	11	12
14	12	12	18	14	15	10	6.7	11	6.3	8.8	11	11
15	12	13	16	14	16	10	7.3	13	6.3	9.1	11	11
16	12	14	14	13	18	11	7.4	10	6.4	10	11	11
17	14	11	14	13	15	12	7.0	11	6.6	9.1	10	11
18	16	12	13	13	14	11	6.3	9.5	6.7	8.3	10	10
19	11	12	14	13	113	11	6.9	9.7	7.3	7.6	11	10
20	11	11	14	14	40	11	8.8	8.4	7.1	8.2	11	10
21	12	12	14	14	52	10	8.8	7.7	7.6	9.3	11	10
22	15	12	14	14	21	11	7.7	7.0	7.9	10	11	10
23	12	12	14	14	15	12	6.4	7.3	7.2	9.5	10	9.6
24	12	12	14	14	14	11	6.7	8.0	7.1	10	10	9.3
25	14	13	14	14	13	11	6.2	8.6	7.5	9.8	11	10
26	13	12	14	14	13	11	5.7	8.7	7.5	10	11	10
27	14	12	14	14	12	13	6.0	8.2	7.3	10	11	10
28	14	13	14	14	12	9.9	5.8	8.5	7.3	9.8	10	9.4
29	11	-----	14	14	12	9.4	6.3	9.2	7.3	9.4	10	8.2
30	13	-----	15	14	13	8.3	8.1	9.8	7.2	12	11	7.2
31	13	-----	15	-----	16	-----	8.5	9.1	-----	11	-----	7.7
TOTAL	367.6	340.9	488	410	622	346.6	212.1	569.2	202.4	279.4	321.9	322.3
MEAN	11.9	12.2	15.7	13.7	20.1	11.6	6.84	18.4	6.75	9.01	10.7	10.4
MAX	16	14	28	15	113	18	8.8	156	7.9	12	12	12
MIN	8.7	7.9	12	13	12	8.3	5.7	6.7	5.8	7.2	9.9	7.2
AC-FT	729	676	968	813	1,230	687	421	1,130	401	554	638	639

SUMMARY 1990.--TOTAL 4,482.4 MEAN 12.3 MAX 156 MIN 5.7 AC-FT 8,890

# P L A T T E   R I V E R   B A S I N

KEARNEY CANAL from Platte River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					165	292	267	243	220	262	23	
2				0	171	307	257	246	232	263	23	
3				0	163	306	208	254	233	265	22	
4				0	161	308	208	254	237	263	22	
5				0	165	305	218	249	226	264	22	
6				0	197	304	264	242	226	264	20	
7				0	227	305	242	220	247	249	16	
8				0	247	307	236	191	303	225	14	
9				0	242	307	210	182	299	223	0	
10				0	256	305	201	185	295	223	0	
11				0	299	304	179	249	256	208	0	
12				2.5	280	306	195	330	258	173	0	
13				8.5	265	301	249	333	251	172	0	
14				8.3	270	300	272	313	248	176	0	
15				8.3	277	291	266	294	263	176	0	
16				6.9	249	227	276	293	291	177	0	
17				6.0	236	228	268	271	301	177	0	
18				10	194	261	253	253	281	179	0	
19				38	214	273	230	170	276	179	0	
20				53	241	271	240	205	275	177	0	
21				47	243	274	290	249	275	177	0	
22				42	232	268	305	284	273	176	0	
23				67	224	263	312	263	273	163	0	
24				120	271	260	302	253	274	162	0	
25				126	304	257	276	251	272	161	0	
26				136	297	285	251	246	271	105	0	
27				135	288	286	238	244	268	26	0	
28				139	286	282	212	247	268	25	0	
29		-----		147	294	283	207	247	263	24	0	
30		-----		153	302	266	243	234	262	24	0	
31		-----		-----	279	-----	246	225	-----	24	-----	
TOTAL				1,253.5	7,539	8,532	7,621	7,720	7,917	5,362	162	
MEAN				43.2	243	284	246	249	264	173	5.40	
MAX				153	304	308	312	333	303	265	23	
MIN				0	161	227	179	170	220	24	0	
AC-FT				2,490	14,950	16,920	15,120	15,310	15,700	10,640	321	
SUMMARY 1990.--MAX		333	MIN	0	AC-FT	91,450						

## PLATTE RIVER BASIN

KEARNEY POWER RETURN to Platte River - 1990

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1939 - present

REMARKS.--Estimated discharges May 11 - 16; Aug. 6, 7

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	110	253	210	157	156	162	8.7	
2				0	130	274	201	156	162	216	8.3	
3				0	119	268	161	180	176	233	13	
4				0	124	268	130	188	181	226	9.8	
5				0	121	261	139	176	180	226	9.6	
6				0	165	261	202	160	184	225	10	
7				0	171	263	212	140	198	226	7.1	
8				0	224	263	188	128	232	200	11	
9				0	228	257	156	91	260	196	3.5	
10				0	195	252	145	86	254	192	0	
11				0	195	253	129	140	238	186	0	
12				0	200	246	119	245	225	147	0	
13				0	205	241	158	255	222	147	0	
14				0	210	244	192	190	217	147	0	
15				0	215	249	198	206	219	147	0	
16				0	220	215	186	210	248	151	0	
17				0	226	192	182	198	260	156	0	
18				0	200	210	176	187	188	156	0	
19				0	209	240	161	152	162	162	0	
20				0	239	242	160	124	173	163	0	
21				0	240	253	196	176	167	164	0	
22				0	218	246	234	206	165	159	0	
23				0	196	242	235	202	163	147	0	
24				42	211	239	224	186	162	147	0	
25				83	263	226	193	161	161	143	0	
26				96	266	246	172	159	163	128	0	
27				93	259	258	165	147	162	25	0	
28				95	256	253	145	144	163	14	0	
29		-----		105	255	248	140	143	161	18	0	
30		-----		76	277	227	150	129	159	11	0	
31		-----		-----	257	-----	150	153	-----	9.6	-----	
TOTAL				590	6,404	7,390	5,409	5,175	5,761	4,629.6	81.0	
MEAN				19.7	207	246	174	167	192	149	2.70	
MAX				105	277	274	235	255	260	233	13	
MIN				0	110	192	119	86	156	9.6	0	
AC-FT				1,170	12,700	14,660	10,730	10,260	11,430	9,180	161	
SUMMARY 1990.--MAX		277	MIN	0	AC-FT	70,290						

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

SARGENT CANAL from Middle Loup River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	193	202	173			
2						0	239	145	132			
3						0	275	92	99			
4						0	265	75	97			
5						0	265	72	92			
6						0	264	72	90			
7						0	268	72	97			
8						0	266	71	101			
9						0	264	94	103			
10						0	263	129	90			
11						0	264	131	87			
12						0	265	125	86			
13						0	263	125	71			
14						0	267	113	69			
15						0	263	118	69			
16						0	263	135	69			
17						0	266	147	14			
18						27	265	158	0			
19						69	266	172	0			
20						75	239	183	0			
21						60	203	187	0			
22						47	191	192	0			
23						42	189	159	0			
24						48	188	115	0			
25						60	188	93	0			
26						80	205	88	0			
27						80	202	101	0			
28						85	183	122	0			
29		-----				108	185	160	0			
30		-----				137	190	189	0			
31		-----		-----		-----	198	190	-----		-----	
TOTAL						918	7,305	4,027	1,539			
MEAN						30.6	236	130	51.3			
MAX						137	275	202	173			
MIN						0	183	71	0			
AC-FT						1,820	14,490	7,990	3,050			
SUMMARY 1990.--MAX	275		MIN	0	AC-FT	27,350						



**PLATTE RIVER BASIN  
( LOUP RIVER )**

MIDDLE LOUP CANAL NO. 1 from Middle Loup River - 1990

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.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	10	38	39	37			
2					0	10	38	34	31			
3					0	9.3	41	21	28			
4					0	8.2	41	18	27			
5					0	7.6	41	18	28			
6					0	7.4	42	18	32			
7					0	7.0	42	19	36			
8					0	8.8	42	29	35			
9					0	7.3	42	39	34			
10					0	8.7	42	39	34			
11					0	15	43	25	33			
12					0	15	41	12	26			
13					0	15	41	12	19			
14					0	15	42	11	14			
15					0	15	41	11	11			
16					0	15	41	11	11			
17					0	15	41	20	9.3			
18					0	15	42	27	6.5			
19					0	12	43	27	4.8			
20					0	13	43	32	2.3			
21					0	16	40	39	0			
22					7.1	15	41	38	0			
23					20	13	41	37	0			
24					11	12	41	39	0			
25					14	12	40	38	0			
26					14	10	40	38	0			
27					14	15	38	37	0			
28					14	25	39	38	0			
29		-----			12	33	41	39	0			
30		-----			12	38	39	40	0			
31		-----		-----	12	-----	39	40	-----		-----	
TOTAL					130.1	418.3	1,266	885	458.9			
MEAN					4.20	13.9	40.8	28.5	15.3			
MAX					20	38	43	40	37			
MIN					0	7.0	38	11	0			
AC-FT					258	830	2,510	1,760	910			
SUMMARY 1990.--MAX	43		MIN	0	AC-FT	6,260						

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

MIDDLE LOUP CANAL NO. 1 PUMP from Middle Loup River - 1990

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

GAGE.--Flow Meter

PERIOD OF RECORD.--1987 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	9.0	9.0	3.0			
2						0	9.0	3.4	0			
3						0	9.0	0	0			
4						0	9.0	0	0			
5						0	9.0	0	0			
6						0	9.0	0	0			
7						0	9.0	0	0			
8						0	9.0	0	0			
9						0	9.0	0	0			
10						0	9.0	5.2	0			
11						0	9.0	3.0	0			
12						0	9.0	0	0			
13						0	9.0	0	0			
14						0	9.0	0	0			
15						0	9.0	0	0			
16						0	9.0	0	0			
17						0	9.0	0	0			
18						0	9.0	0	0			
19						0	9.0	0	0			
20						0	3.7	0	0			
21						0	0	0	0			
22						0	0	5.0	0			
23						0	0	9.0	0			
24						0	0	9.0	0			
25						0	5.2	9.0	0			
26						0	9.0	9.0	0			
27						0	9.0	9.0	0			
28						0	9.0	9.0	0			
29		-----				5.0	9.0	9.0	0			
30		-----				9.0	9.0	9.0	0			
31		-----		-----		-----	9.0	9.0	-----		-----	
TOTAL						14.0	233.9	106.6	3.0			
MEAN						.47	7.55	3.44	.10			
MAX						9.0	9.0	9.0	3.0			
MIN						0	0	0	0			
AC-FT						28	464	211	6.0			
SUMMARY 1990.--MAX	9.0		MIN	0	AC-FT	709						

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

MIDDLE LOUP SPILLWAY NO. 1 - 1990

LOCATION.--NE1/4SE1/4 Sec. 27-18-17 W. near Comstock

GAGE.--Continuous stage recorder and 5.8 ft. weir

PERIOD OF RECORD.--1956 - 1978, 1985 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	4.7	8.0	7.5			
2					0	0	4.9	7.6	8.5			
3					0	0	.02	11	10			
4					0	0	1.7	11	11			
5					0	0	3.4	8.9	9.6			
6					0	0	4.5	9.0	4.0			
7					0	0	6.5	9.7	4.0			
8					0	0	3.3	9.5	3.5			
9					0	0	4.3	9.1	2.9			
10					0	0	7.1	6.2	6.4			
11					0	0	6.0	4.7	8.6			
12					0	2.0	5.0	7.5	12			
13					0	2.7	6.5	6.5	12			
14					0	2.9	6.0	7.1	10			
15					0	3.5	5.2	6.3	11			
16					0	3.4	4.4	4.2	9.8			
17					0	3.2	1.1	.05	8.6			
18					0	3.4	2.1	2.3	6.9			
19					0	3.4	3.2	8.3	1.9			
20					0	3.9	9.7	3.5	.03			
21					0	6.3	9.4	2.1	0			
22					1.1	6.2	10	3.9	0			
23					3.2	5.4	12	1.1	0			
24					3.3	4.9	6.8	2.3	0			
25					1.9	4.6	3.1	3.9	0			
26					2.1	4.7	3.6	7.4	0			
27					2.8	2.6	3.9	5.9	0			
28					2.9	.17	2.0	4.8	0			
29		-----			9.3	1.1	4.2	3.5	0			
30		-----			5.5	1.7	8.8	3.1	0			
31		-----		-----	0	-----	5.9	4.0	-----		-----	
TOTAL					32.1	66.07	159.32	182.45	148.23			
MEAN					1.04	2.20	5.14	5.89	4.94			
MAX					9.3	6.3	12	11	12			
MIN					0	0	.02	.05	0			
AC-FT					64	131	316	362	294			
SUMMARY 1990.--MAX		12	MIN	0	AC-FT	1,170						

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

MIDDLE LOUP CANAL NO. 2 from Middle Loup River - 1990

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.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	20	43	45	49			
2					0	22	48	35	42			
3					0	21	54	21	30			
4					0	19	68	27	28			
5					0	17	67	27	27			
6					0	18	71	25	26			
7					0	17	66	23	26			
8					0	16	61	22	26			
9					0	14	60	26	25			
10					0	13	57	32	24			
11					0	12	50	31	23			
12					0	9.7	45	24	22			
13					0	9.9	46	22	18			
14					0	10	48	22	16			
15					0	13	53	23	16			
16					0	17	53	24	20			
17					0	16	59	25	23			
18					0	15	59	33	26			
19					0	14	64	38	19			
20					0	13	57	39	6.9			
21					0	13	46	46	0			
22					12	12	47	52	0			
23					24	11	42	52	0			
24					23	10	43	49	0			
25					23	10	42	42	0			
26					23	9.6	41	42	0			
27					22	18	40	47	0			
28					22	28	39	47	0			
29		-----			21	39	40	45	0			
30		-----			20	42	41	44	0			
31		-----		-----	19	-----	45	46	-----	-----		
TOTAL					209	499.2	1,595	1,076	492.9			
MEAN					6.74	16.6	51.5	34.7	16.4			
MAX					24	42	71	52	49			
MIN					0	9.6	39	21	0			
AC-FT					415	990	3,160	2,130	978			
SUMMARY 1990.--MAX	71		MIN	0	AC-FT	7,680						

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

MIDDLE LOUP SPILLWAY NO. 2 - 1990

LOCATION.--SW1/4SE1/4 Sec. 11-18-17 W. near Comstock

GAGE.--Continuous stage recorder and 5.8 ft. weir

PERIOD OF RECORD.--1956 - 1978, 1985 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	7.8	14	9.8	12			
2					0	12	14	15	17			
3					0	11	8.8	3.5	11			
4					0	9.2	3.4	15	10			
5					0	6.6	5.1	20	9.6			
6					0	5.6	7.2	19	8.4			
7					0	6.4	9.0	17	8.0			
8					0	4.4	6.9	12	12			
9					0	2.7	10	7.0	14			
10					0	1.5	12	6.5	12			
11					0	1.2	12	17	14			
12					0	.47	11	17	14			
13					0	.37	11	13	13			
14					0	.92	10	11	2.1			
15					0	1.8	10	10	8.8			
16					0	7.2	9.3	11	11			
17					0	7.5	11	10	17			
18					0	7.4	8.8	7.1	23			
19					0	4.6	9.9	15	24			
20					0	1.8	14	13	7.1			
21					0	3.8	13	6.2	2.4			
22					8.4	4.8	16	5.4	0			
23					12	3.4	16	6.4	0			
24					7.7	2.1	15	9.5	0			
25					5.9	1.2	12	8.9	0			
26					7.6	2.0	11	7.2	0			
27					7.7	3.4	7.1	9.5	0			
28					8.2	9.5	5.5	10	0			
29		-----			7.5	14	13	12	0			
30		-----			7.2	16	11	11	0			
31		-----		-----	7.3	-----	9.9	9.2	-----		-----	
TOTAL					79.5	160.66	326.9	344.2	250.4			
MEAN					2.56	5.36	10.5	11.1	8.35			
MAX					12	16	16	20	24			
MIN					0	.37	3.4	3.5	0			
AC-FT					158	319	648	683	497			
SUMMARY 1990.--MAX	24		MIN	0	AC-FT	2,300						

P L A T T E   R I V E R   B A S I N  
( L O U P   R I V E R )

MIDDLE LOUP CANAL NO. 3 from Middle Loup River - 1990

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 Hydrograph Report.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	39	94	70	113			
2					0	38	107	72	119			
3					0	39	136	73	118			
4					0	41	136	65	117			
5					0	40	139	58	104			
6					0	40	136	60	87			
7					0	41	128	62	84			
8					0	40	139	69	85			
9					0	40	142	87	86			
10					0	41	133	105	88			
11					0	40	127	107	75			
12					0	39	131	100	58			
13					0	38	129	94	57			
14					41	40	130	78	56			
15					79	41	131	59	53			
16					60	39	124	58	54			
17					64	39	123	59	55			
18					62	37	127	57	55			
19					56	36	137	59	53			
20					54	36	138	82	22			
21					53	36	127	93	0			
22					45	36	124	98	0			
23					47	37	122	101	0			
24					52	35	121	105	0			
25					52	35	118	114	0			
26					51	35	113	117	0			
27					52	37	101	120	0			
28					52	55	97	125	0			
29		-----			52	86	89	126	0			
30		-----			48	93	72	124	0			
31		-----		-----	39	-----	70	121	-----		-----	
TOTAL					959	1,269	3,741	2,718	1,539			
MEAN					30.9	42.3	121	87.7	51.3			
MAX					79	93	142	126	119			
MIN					0	35	70	57	0			
AC-FT					1,900	2,520	7,420	5,390	3,050			
SUMMARY 1990.--MAX	142		MIN	0	AC-FT	20,280						

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

MIDDLE LOUP SPILLWAY NO.3 - 1990

LOCATION.--SW1/4SW1/4 Sec. 5-14-14 W. near Loup City

GAGE.--Continuous stage recorder and 5.8 ft. weir

PERIOD OF RECORD.--1956 - 1978, 1985 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	12	13	16	14			
2					0	13	13	11	16			
3					0	14	12	18	17			
4					0	15	9.9	20	16			
5					0	16	9.6	18	14			
6					0	16	11	16	13			
7					0	17	15	7.9	10			
8					0	18	12	5.1	10			
9					0	18	8.3	8.2	12			
10					0	19	7.1	10	16			
11					0	19	7.3	16	16			
12					0	20	14	22	17			
13					0	21	15	22	12			
14					0	22	11	8.7	16			
15					0	23	12	7.1	15			
16					1.1	46	9.4	7.4	13			
17					4.7	18	8.3	7.1	23			
18					8.4	3.4	8.1	4.3	23			
19					11	2.5	6.4	12	22			
20					8.9	4.0	13	14	13			
21					10	5.8	19	12	5.5			
22					7.2	7.9	20	9.6	.35			
23					6.7	9.0	17	7.2	0			
24					9.0	10	12	1.6	0			
25					13	19	18	3.4	0			
26					13	21	18	5.2	0			
27					13	22	18	6.7	0			
28					15	20	13	8.0	0			
29		-----			15	16	18	12	0			
30		-----			17	14	20	13	0			
31		-----		-----	14	-----	17	14	-----		-----	
TOTAL					167.0	481.6	405.4	343.5	313.85			
MEAN					5.39	16.1	13.1	11.1	10.5			
MAX					17	46	20	22	23			
MIN					0	2.5	6.4	1.6	0			
AC-FT					331	955	804	681	623			
SUMMARY 1990.--MAX	46		MIN	0	AC-FT	3,390						

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

MIDDLE LOUP CANAL NO. 4 from Middle Loup River - 1990

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.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	60	70	74	91			
2					0	62	88	75	91			
3					0	61	115	73	88			
4					0	61	109	53	81			
5					0	46	119	49	77			
6					0	33	113	48	77			
7					0	33	103	55	66			
8					0	34	105	66	72			
9					0	34	104	88	89			
10					0	35	104	111	88			
11					0	35	106	78	65			
12					0	36	106	74	46			
13					0	37	99	74	48			
14					0	40	97	80	44			
15					0	42	96	83	38			
16					0	43	97	82	39			
17					0	43	96	83	38			
18					0	32	107	82	34			
19					0	11	120	79	32			
20					0	31	110	79	13			
21					38	62	103	87	0			
22					77	50	107	89	0			
23					66	31	107	84	0			
24					61	28	105	96	0			
25					61	26	105	104	0			
26					60	31	102	96	0			
27					60	44	95	101	0			
28					60	44	90	98	0			
29		-----			59	55	86	94	0			
30		-----			58	72	76	93	0			
31		-----		-----	57	-----	73	93	-----		-----	
TOTAL					657	1,252	3,113	2,521	1,217			
MEAN					21.2	41.7	100	81.3	40.6			
MAX					77	72	120	111	91			
MIN					0	11	70	48	0			
AC-FT					1,300	2,480	6,170	5,000	2,410			
SUMMARY 1990.--MAX	120		MIN	0	AC-FT	17,380						



**PLATTE RIVER BASIN  
( LOUP RIVER )**

MIDDLE LOUP CANAL NO. 4 from Sherman Feeder Canal - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1							0	0	8.6			
2							16	0	9.5			
3							25	0	5.7			
4							25	0	1.1			
5							25	0	7.4			
6							20	0	14			
7							15	0	13			
8							15	0	18			
9							12	21	19			
10							9.6	20	5.5			
11							10	27	0			
12							4.4	15	0			
13							0	0	0			
14							0	0	0			
15							0	0	0			
16							4.8	0	0			
17							22	0	0			
18							17	0	0			
19							9.5	0	0			
20							8.5	6.5	0			
21							8.6	23	0			
22							8.2	23	0			
23							9.1	22	0			
24							11	21	0			
25							4.7	23	0			
26							0	28	0			
27							0	23	0			
28							0	18	0			
29		-----					0	19	0			
30		-----					0	19	0			
31		-----		-----		-----	0	12	-----		-----	
TOTAL							280.4	320.5	101.8			
MEAN							9.05	10.3	3.39			
MAX							25	28	19			
MIN							0	0	0			
AC-FT							556	636	202			

SUMMARY 1990.--MAX 28 MIN 0 AC-FT 1,390

**PLATTE RIVER BASIN  
( LOUP RIVER )**

MIDDLE LOUP SPILLWAY NO. 4 - 1990

LOCATION.--SW1/4SW1/4 Sec. 10-14-14 W. near Loup City

GAGE.--Continuous stage recorder and 7.8 ft. weir

PERIOD OF RECORD.--1956 - 1978, 1985 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	30	24	21	13			
2					0	32	19	20	16			
3					0	33	22	17	19			
4					0	34	19	22	17			
5					0	34	19	18	5.4			
6					0	24	7.8	13	10			
7					0	17	7.8	11	16			
8					0	18	11	9.0	13			
9					0	18	15	7.7	17			
10					0	18	14	16	30			
11					0	18	9.5	14	16			
12					0	19	14	7.4	5.6			
13					0	20	11	8.5	14			
14					0	19	15	17	9.5			
15					0	18	15	20	11			
16					0	34	9.8	23	8.6			
17					0	28	5.5	22	11			
18					0	23	6.4	21	7.2			
19					0	16	4.9	20	1.4			
20					0	11	13	10	.29			
21					0	12	8.8	12	0			
22					0	12	11	19	0			
23					15	12	9.4	8.0	0			
24					27	13	10	12	0			
25					28	14	20	19	0			
26					27	14	12	20	0			
27					27	18	19	17	0			
28					28	22	21	9.3	0			
29		-----			27	17	18	7.2	0			
30		-----			28	14	19	17	0			
31		-----		-----	29	-----	16	16	-----		-----	
TOTAL					236	612	426.9	474.1	240.99			
MEAN					7.61	20.4	13.8	15.3	8.03			
MAX					29	34	24	23	30			
MIN					0	11	4.9	7.2	0			
AC-FT					468	1,210	847	940	478			
SUMMARY 1990.--MAX	34	MIN	0	AC-FT	3,950							

**PLATTE RIVER BASIN  
( LOUP RIVER )**

FARWELL (SHERMAN FEEDER) CANAL from Middle Loup River - 1990

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 1390 A.F. delivered to Middle Loup Canal No. 4

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	352	163	346	332	250	282		
2				0	342	207	267	366	347	297		
3				0	355	205	140	442	405	316		
4				0	354	203	64	494	417	318		
5				0	349	197	68	507	425	314		
6				0	349	198	146	506	407	323		
7				0	350	247	149	496	407	323		
8				0	352	280	143	489	402	320		
9				0	354	271	139	428	408	313		
10				0	348	282	146	368	409	249		
11				49	357	284	181	368	417	77		
12				79	356	279	202	418	415	0		
13				119	361	275	194	444	404	0		
14				182	340	279	198	442	410	0		
15				204	351	282	189	447	409	0		
16				260	359	257	191	448	406	0		
17				311	356	218	183	430	421	0		
18				267	358	176	147	376	333	0		
19				322	363	145	151	374	258	0		
20				351	367	151	261	352	257	0		
21				348	259	155	302	319	249	0		
22				355	131	198	331	314	242	0		
23				353	74	232	332	290	248	0		
24				213	72	231	318	340	248	0		
25				348	74	280	305	383	250	0		
26				351	73	309	312	385	249	0		
27				352	74	331	292	378	268	0		
28				344	77	346	271	350	281	0		
29		-----		352	74	355	327	328	281	0		
30		-----		354	74	355	356	316	282	0		
31		-----		-----	77	-----	324	256	-----	0	-----	
TOTAL				5,514	8,132	7,391	6,975	12,186	10,205	3,132		
MEAN				184	262	246	225	393	340	101		
MAX				355	367	355	356	507	425	323		
MIN				0	72	145	64	256	242	0		
AC-FT				10,940	16,130	14,660	13,830	24,170	20,240	6,210		

SUMMARY 1990.--MAX 507 MIN 0 AC-FT 106,200

# PLATTE RIVER BASIN ( LOUP RIVER )

SHERMAN RESERVOIR storage in acre-feet - 1990

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

GAGE.--Staff gage

PERIOD OF RECORD.--1963 - present

Day	STORAGE LEVEL												ELEVATION (Feet)	CONTENT (Acre-feet)
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
	Top of conservation pool												2,162.3	69,076
	Top of dead storage pool												2,118.5	3,839
1	52,722	51,768	50,820	50,347	57,428	69,076	69,365	46,698	39,306	49,650	52,966	52,204		
2	52,722	51,768	50,820	50,347	58,203	69,365	69,365	46,698	38,719	49,880	52,966	52,204		
3	52,722	51,768	50,820	50,347	58,720	69,365	69,365	46,252	38,131	50,584	52,966	52,204		
4	52,722	51,768	50,820	50,347	59,237	69,365	68,788	46,252	37,740	51,057	52,722	51,768		
5	52,478	51,768	50,820	50,347	59,754	69,365	67,369	46,252	37,544	51,531	52,722	51,768		
6	52,478	51,768	50,584	50,110	60,278	69,365	65,965	46,252	37,348	52,004	52,966	51,768		
7	52,478	51,531	51,057	50,110	60,810	69,365	64,857	46,475	37,159	52,241	52,966	51,768		
8	52,478	51,531	51,057	50,110	61,342	69,365	63,764	46,252	37,159	52,722	52,966	51,768		
9	52,478	51,531	51,057	50,110	62,139	69,365	62,671	46,252	37,935	53,120	52,966	51,531		
10	52,478	51,531	51,057	50,110	62,404	69,365	61,342	46,029	38,523	53,698	52,966	51,531		
11	52,478	51,531	51,057	49,880	62,944	69,365	60,012	45,583	39,306	53,941	52,722	51,531		
12	52,241	51,531	51,057	49,880	63,491	69,365	58,720	46,357	40,116	54,185	52,722	51,531		
13	52,241	51,531	51,057	49,880	64,038	69,365	57,686	45,151	40,724	54,185	52,722	51,531		
14	52,241	51,294	51,057	50,110	64,584	69,365	56,926	45,151	41,331	54,185	52,722	51,294		
15	52,241	51,294	51,057	50,110	65,134	69,365	55,921	45,583	42,168	53,941	52,722	51,294		
16	52,241	51,294	51,057	50,347	65,965	69,365	55,169	45,806	42,795	53,941	52,722	51,294		
17	52,241	51,294	51,057	50,584	66,246	69,941	54,185	46,252	43,423	53,941	52,722	51,294		
18	52,241	51,294	51,057	51,057	66,808	69,941	53,210	46,475	44,287	53,698	52,478	51,294		
19	52,004	51,294	51,057	51,531	67,650	69,365	52,004	46,698	44,935	53,698	52,478	51,294		
20	52,004	51,294	51,057	52,004	67,930	69,365	50,584	46,698	45,151	53,698	52,478	51,057		
21	52,004	51,057	51,057	52,478	68,499	69,067	49,880	46,698	45,806	53,554	52,478	51,057		
22	52,241	51,057	51,057	53,210	69,076	69,067	49,650	46,252	46,252	53,554	52,478	51,057		
23	52,241	51,057	50,584	53,698	69,076	68,788	49,421	45,806	46,475	53,554	52,241	50,820		
24	52,004	51,057	50,584	54,185	69,365	68,788	49,191	45,151	46,698	53,554	52,241	50,820		
25	52,004	51,057	50,584	54,973	69,076	68,788	48,731	44,503	47,143	53,554	52,241	50,820		
26	52,004	50,820	50,584	55,168	69,076	68,788	48,501	43,855	47,589	53,554	52,241	50,820		
27	52,004	50,820	50,584	55,921	69,076	69,076	48,042	46,214	48,042	53,554	52,241	50,820		
28	52,004	50,820	50,584	56,173	69,076	69,076	47,812	42,586	48,272	53,210	52,004	50,820		
29	52,004	-----	50,584	56,675	69,076	69,365	47,589	41,959	48,731	53,210	52,004	50,820		
30	51,768	-----	50,584	57,177	69,076	69,365	47,143	41,129	49,191	53,210	52,004	50,584		
31	51,768	-----	50,584	-----	69,076	-----	47,143	40,319	-----	52,966	-----	-----		
MEAN	52,257	51,362	50,866	51,911	64,989	69,278	56,464	45,408	42,600	53,012	52,594	51,346		
MAX	52,722	51,768	51,057	57,177	69,365	69,941	69,365	46,698	49,191	54,185	52,966	52,204		
MIN	51,768	50,820	50,584	49,880	57,428	68,788	47,143	40,319	37,159	49,650	52,004	50,584		
SUMMARY 1990.--MEAN		53,524	MAX	69,941	MIN	37,159								

**PLATTE RIVER BASIN  
( LOUP RIVER )**

FARWELL "MAIN" CANAL from Sherman Reservoir - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	126	248	331			
2					0	0	142	258	315			
3					0	0	198	248	282			
4					0	32	283	224	278			
5					0	76	356	218	264			
6					0	96	382	215	239			
7					0	115	382	248	203			
8					0	115	382	273	56			
9					0	126	426	304	0			
10					0	130	443	327	0			
11					0	130	448	315	0			
12					0	130	448	306	0			
13					0	128	443	216	0			
14					0	128	428	158	0			
15					0	128	422	145	0			
16					0	122	422	129	0			
17					0	120	438	127	0			
18					0	120	458	145	0			
19					0	122	472	153	0			
20					0	124	403	220	0			
21					0	121	234	277	0			
22					0	116	196	315	0			
23					0	115	208	339	0			
24					0	115	239	376	0			
25					0	115	311	373	0			
26					0	115	330	368	0			
27					0	116	316	378	0			
28					0	118	299	400	0			
29		-----			0	124	284	404	0			
30		-----			0	126	256	396	0			
31		-----		-----	0	-----	252	382	-----		-----	
TOTAL					0	3,123	10,427	8,485	1,968			
MEAN					0	104	336	274	65.6			
MAX					0	130	472	404	331			
MIN					0	0	126	127	0			
AC-FT					0	6,190	20,680	16,830	3,900			
SUMMARY 1990.--MAX		472	MIN	0	AC-FT	47,610						

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

FARWELL "SOUTH" CANAL from Sherman Reservoir - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	73	167	235			
2					0	0	102	184	232			
3					0	0	169	186	218			
4					0	33	237	177	203			
5					0	60	260	172	191			
6					0	59	272	169	180			
7					0	69	272	184	155			
8					0	75	272	189	43			
9					0	75	282	198	0			
10					0	74	279	197	0			
11					0	74	272	182	0			
12					0	74	257	174	0			
13					0	73	245	126	0			
14					0	70	234	98	0			
15					0	70	232	85	0			
16					0	70	239	78	0			
17					0	70	249	73	0			
18					0	64	264	87	0			
19					0	62	272	90	0			
20					0	62	241	95	0			
21					0	59	160	135	0			
22					0	56	141	158	0			
23					0	54	144	175	0			
24					0	54	156	190	0			
25					0	55	174	214	0			
26					0	59	159	220	0			
27					0	61	141	232	0			
28					0	65	138	247	0			
29		-----			0	65	133	251	0			
30		-----			0	70	135	248	0			
31		-----		-----	0	-----	146	245	-----		-----	
TOTAL					0	1,732	6,350	5,226	1,457			
MEAN					0	57.7	205	169	48.6			
MAX					0	75	282	251	235			
MIN					0	0	73	73	0			
AC-FT					0	3,440	12,600	10,370	2,890			
SUMMARY 1990.--MAX	282		MIN	0	AC-FT	29,290						

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

TAYLOR-ORD CANAL from North Loup River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	46	163	204	203			
2					0	47	172	198	205			
3					0	60	191	180	203			
4					0	47	195	161	199			
5					0	45	197	146	184			
6					0	46	201	138	169			
7					0	47	205	133	160			
8					0	46	205	150	151			
9					0	49	209	165	137			
10					0	45	208	183	134			
11					0	45	206	193	105			
12					0	48	204	198	106			
13					0	57	201	201	99			
14					47	56	204	201	83			
15					76	56	203	201	85			
16					38	56	203	203	84			
17					37	55	204	197	80			
18					39	57	203	190	67			
19					38	56	206	184	56			
20					45	61	205	184	47			
21					39	64	209	183	43			
22					40	62	208	184	44			
23					43	63	207	180	46			
24					43	65	205	164	44			
25					42	63	203	157	45			
26					44	68	203	152	24			
27					45	78	200	152	0			
28					47	100	202	170	0			
29		-----			46	130	203	183	0			
30		-----			46	152	203	184	0			
31		-----		-----	44	-----	203	196	-----		-----	
TOTAL					799	1,870	6,231	5,515	2,803			
MEAN					25.8	62.3	201	178	93.4			
MAX					76	152	209	204	205			
MIN					0	45	163	133	0			
AC-FT					1,580	3,710	12,360	10,940	5,560			
SUMMARY 1990.--MAX		209		MIN	0	AC-FT	34,150					

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

TAYLOR-ORD CANAL inlet to Mirdan Canal - 1990

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

GAGE.--Continuous stage recorder and modified Parshall flume

PERIOD OF RECORD.--1989 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	12	84	111	118			
2					0	16	89	113	120			
3					0	19	99	108	120			
4					0	15	96	103	122			
5					0	18	100	101	122			
6					0	18	102	98	109			
7					0	19	104	90	98			
8					0	20	103	93	100			
9					0	21	103	98	91			
10					0	22	105	99	92			
11					0	21	107	105	63			
12					0	23	105	110	58			
13					0	29	106	111	59			
14					0	32	106	111	45			
15					0	32	105	112	45			
16					0	33	103	115	46			
17					0	32	104	116	46			
18					9.8	31	105	112	46			
19					23	29	109	111	38			
20					22	29	111	112	33			
21					24	35	114	110	25			
22					14	34	114	108	26			
23					14	33	111	110	29			
24					15	35	108	104	27			
25					14	34	106	103	29			
26					13	35	103	100	28			
27					15	36	104	93	7.2			
28					14	48	109	97	0			
29		-----			12	64	110	111	0			
30		-----			12	77	108	111	0			
31		-----		-----	12	-----	110	113	-----		-----	
TOTAL					213.8	902	3,243	3,289	1,742.2			
MEAN					6.90	30.1	105	106	58.1			
MAX					24	77	114	116	122			
MIN					0	12	84	90	0			
AC-FT					424	1,790	6,430	6,520	3,460			
SUMMARY 1990.--MAX		122	MIN	0	AC-FT	18,630						



**PLATTE RIVER BASIN  
( LOUP RIVER )**

TAYLOR-ORD CANAL outlet from Mirdan Canal - 1990

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

GAGE.--Continuous stage recorder and modified Parshall flume

PERIOD OF RECORD.--1989 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	12	59	69	75			
2					0	11	64	73	76			
3					0	15	63	78	77			
4					0	17	64	81	81			
5					0	18	59	83	87			
6					0	18	58	81	88			
7					0	18	61	76	79			
8					0	19	63	66	77			
9					0	18	63	65	80			
10					0	20	63	66	80			
11					0	21	63	70	67			
12					0	21	62	70	46			
13					0	23	62	71	51			
14					0	28	62	76	51			
15					0	29	62	79	41			
16					0	30	62	80	43			
17					0	31	63	83	46			
18					27	30	63	84	47			
19					23	30	66	83	40			
20					21	31	70	79	31			
21					21	31	72	74	26			
22					17	32	74	71	23			
23					12	33	73	71	23			
24					12	34	73	70	23			
25					12	37	70	69	26			
26					13	38	65	65	29			
27					13	38	63	62	14			
28					13	39	64	58	0			
29		-----			13	43	69	66	0			
30		-----			13	50	70	75	0			
31		-----		-----	12	-----	69	75	-----		-----	
TOTAL					222	815	2,014	2,269	1,427			
MEAN					7.16	27.2	65.0	73.2	47.6			
MAX					27	50	74	84	88			
MIN					0	11	58	58	0			
AC-FT					440	1,620	3,990	4,500	2,830			
SUMMARY 1990.--MAX	88	MIN	0	AC-FT	13,380							

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

TAYLOR - ORD SPILLWAY at mile 33.90 - 1990

LOCATION.--SW1/4SW1/4 Sec. 16-19-14 W. near Ord

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

PERIOD OF RECORD.--1956 - 1978, 1985 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	0	2.8	2.7			
2					0	0	0	2.1	2.7			
3					0	0	0	1.8	2.8			
4					0	0	0	1.7	3.0			
5					0	0	0	2.0	3.5			
6					0	0	0	2.3	4.2			
7					0	0	0	1.6	4.2			
8					0	0	0	2.9	4.2			
9					0	0	0	3.8	4.3			
10					0	0	0	2.4	4.1			
11					0	0	0	2.3	3.9			
12					0	0	0	2.7	3.6			
13					0	0	0	3.4	3.7			
14					0	0	0	3.0	3.7			
15					0	0	.32	3.0	3.7			
16					0	0	1.2	3.5	3.7			
17					0	0	.89	3.3	3.8			
18					0	0	.22	2.0	4.0			
19					0	0	.12	2.8	3.9			
20					0	0	.19	2.9	3.6			
21					0	0	1.5	2.4	1.2			
22					0	0	2.5	2.4	1.0			
23					0	0	3.2	2.9	.92			
24					0	0	2.8	2.5	.81			
25					0	0	1.3	2.5	.73			
26					0	0	1.3	2.6	.76			
27					0	0	.81	1.9	.74			
28					0	0	.90	.20	.51			
29		-----			0	0	2.7	.22	.51			
30		-----			0	0	3.6	1.8	.51			
31		-----		-----	0	-----	3.1	3.3	-----		-----	
TOTAL					0	0	26.65	75.02	80.99			
MEAN					0	0	.86	2.42	2.70			
MAX					0	0	3.6	3.8	4.3			
MIN					0	0	0	.20	.51			
AC-FT					0	0	53	149	161			

SUMMARY 1990.--MAX 4.3 MIN 0 AC-FT 362

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

TAYLOR - ORD SPILLWAY at mile 34.06 - 1990

LOCATION.--NW1/4SW1/4 Sec. 17-19-14 W. near Ord

GAGE.--Continuous stage recorder and 6 ft. weir

PERIOD OF RECORD.--1956 - 1978, 1985 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	7.5	11	0	8.7	7.9		
2					0	6.8	18	4.8	12	8.7		
3					0	6.6	10	15	13	11		
4					0	9.2	.48	19	13	9.7		
5					0	11	0	20	16	7.0		
6					0	11	0	19	16	2.3		
7					0	11	0	17	15	.40		
8					0	11	0	11	16	.03		
9					0	10	0	8.3	19	0		
10					0	10	0	9.2	26	0		
11					0	11	0	7.0	29	0		
12					0	11	0	6.2	16	0		
13					0	13	0	7.6	23	0		
14					0	15	0	9.3	30	0		
15					0	16	0	9.0	27	0		
16					14	18	0	9.3	28	0		
17					25	19	0	8.8	29	0		
18					15	19	0	8.8	31	0		
19					14	19	0	9.4	29	0		
20					16	20	0	9.9	23	0		
21					15	24	1.7	8.0	20	0		
22					7.2	23	4.0	6.4	16	0		
23					7.7	25	4.6	8.7	16	0		
24					8.0	27	2.9	10	14	0		
25					8.8	25	1.9	10	16	0		
26					8.9	25	.43	9.4	20	0		
27					8.7	25	0	6.4	17	0		
28					8.9	23	.05	1.1	6.0	0		
29		-----			9.1	17	1.2	.42	7.2	0		
30		-----			9.1	13	1.1	6.7	7.2	0		
31		-----		-----	8.6	-----	.01	7.3	-----	0	-----	
TOTAL					184.0	482.1	57.37	283.02	559.1	47.03		
MEAN					5.94	16.1	1.85	9.13	18.6	1.52		
MAX					25	27	18	20	31	11		
MIN					0	6.6	0	0	6.0	0		
AC-FT					365	956	114	561	1,110	93		
SUMMARY 1990.--MAX		31	MIN	0	AC-FT	3,200						



**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

MIRDAN CANAL from Calamus Reservoir - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	52	57	74	149	168			
2				0	45	56	82	105	162			
3				0	45	57	105	57	148			
4				0	45	58	141	41	145			
5				0	46	53	159	38	128			
6				0	47	52	189	37	124			
7				0	65	52	193	51	130			
8				0	62	51	192	79	107			
9				0	57	50	197	108	98			
10				0	40	51	201	139	83			
11				0	32	50	204	137	64			
12				0	32	50	223	131	60			
13				0	33	49	219	108	63			
14				0	32	50	212	103	62			
15				0	30	49	212	89	60			
16				0	31	49	208	83	13			
17				0	32	49	214	92	0			
18				0	36	49	240	108	0			
19				0	40	49	262	111	0			
20				0	40	49	265	137	0			
21				0	40	49	217	153	0			
22				0	41	49	211	163	0			
23				17	40	48	195	151	0			
24				85	40	47	225	158	0			
25				102	40	47	248	139	0			
26				100	40	48	224	141	0			
27				62	43	46	199	166	0			
28				86	46	48	165	181	0			
29		-----		94	51	57	121	191	0			
30		-----		76	52	71	112	205	0			
31		-----		-----	56	-----	126	201	-----		-----	
TOTAL				622	1,331	1,540	5,835	3,752	1,615			
MEAN				20.7	42.9	51.3	188	121	53.8			
MAX				102	65	71	265	205	168			
MIN				0	30	46	74	37	0			
AC-FT				1,230	2,640	3,050	11,570	7,440	3,200			
SUMMARY 1990.--MAX	265		MIN	0	AC-FT	29,150						

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

SCOTIA CANAL from Mirdan Canal - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	19	23	30	70			
2					0	19	24	24	65			
3					0	19	26	17	60			
4					0	19	35	16	57			
5					0	19	48	16	45			
6					0	19	58	16	41			
7					7.0	19	66	21	38			
8					13	19	68	35	31			
9					4.0	19	76	61	28			
10					0	20	84	64	25			
11					0	19	96	66	24			
12					0	19	106	67	22			
13					0	19	106	55	23			
14					0	20	98	52	23			
15					0	20	96	49	22			
16					0	21	93	51	6.6			
17					0	21	93	54	0			
18					6.0	21	101	49	0			
19					10	20	109	48	0			
20					10	20	111	58	0			
21					10	20	95	65	0			
22					10	21	88	64	0			
23					10	21	91	58	0			
24					10	21	105	68	0			
25					10	21	112	68	0			
26					10	21	96	66	0			
27					10	20	79	77	0			
28					10	20	59	87	0			
29		-----			14	20	30	90	0			
30		-----			19	22	23	91	0			
31		-----		-----	19	-----	25	86	-----		-----	
TOTAL					182.0	598	2,320	1,669	580.6			
MEAN					5.87	19.9	74.8	53.8	19.4			
MAX					19	22	112	91	70			
MIN					0	19	23	16	0			
AC-FT					361	1,190	4,600	3,310	1,150			
SUMMARY 1990.--MAX		112	MIN	0	AC-FT	10,610						

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

BURWELL-SUMTER CANAL from North Loup River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	0	36	68	110	102			
2				0	31	36	79	104	100			
3				0	57	37	80	87	99			
4				0	32	36	93	66	99			
5				0	35	32	97	64	98			
6				0	35	32	98	64	99			
7				0	38	31	99	69	96			
8				0	39	28	101	84	86			
9				0	40	26	103	100	86			
10				0	38	26	104	108	82			
11				0	37	24	105	102	64			
12				0	39	23	107	95	59			
13				0	38	23	107	92	51			
14				0	37	22	107	93	51			
15				0	38	21	107	91	49			
16				0	37	21	108	95	43			
17				0	37	20	109	105	43			
18				0	38	23	108	103	34			
19				0	38	27	110	105	33			
20				0	37	32	110	105	34			
21				0	36	35	110	105	34			
22				0	36	33	109	104	34			
23				0	36	34	110	95	35			
24				0	37	35	108	104	35			
25				33	37	33	109	100	36			
26				57	37	33	109	103	20			
27				22	36	32	109	102	0			
28				0	37	32	109	102	0			
29		-----		0	36	31	110	102	0			
30		-----		0	36	45	108	102	0			
31		-----	-----	-----	36	-----	108	101	-----		-----	
TOTAL				112	1,121	899	3,199	2,962	1,602			
MEAN				3.73	36.2	30.0	103	95.5	53.4			
MAX				57	57	45	110	110	102			
MIN				0	0	20	68	64	0			
AC-FT				222	2,220	1,780	6,350	5,880	3,180			
SUMMARY 1990.--MAX		110	MIN	0	AC-FT	19,630						

# PLATTE RIVER BASIN ( LOUP RIVER )

BURWELL - SUMTER SPILLWAY at mile 24.90 - 1990

LOCATION.--SE1/4NE1/4 Sec. 20-19-13 W. near Ord

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

PERIOD OF RECORD.--1956 - 1978, 1985 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	0	8.0	3.9	5.1	1.2			
2				0	0	8.4	8.1	6.4	1.9			
3				0	0	8.6	5.6	7.2	2.9			
4				0	2.9	8.7	4.3	7.4	4.1			
5				0	6.2	7.6	5.7	7.4	5.2			
6				0	6.0	7.6	2.9	7.6	7.1			
7				0	4.8	7.4	1.1	7.5	9.1			
8				0	1.6	8.8	.28	7.3	9.3			
9				0	4.6	6.8	3.6	8.2	9.2			
10				0	5.8	6.1	5.5	8.8	9.0			
11				0	4.4	6.0	.21	8.8	9.3			
12				0	4.5	4.6	.10	8.7	9.7			
13				0	4.9	4.5	.78	8.8	9.6			
14				0	5.2	3.8	.94	8.9	9.4			
15				0	4.6	4.4	.83	8.0	11			
16				0	4.5	5.9	1.2	6.7	11			
17				0	3.6	4.5	.66	6.5	10			
18				0	3.5	2.6	.86	6.7	9.8			
19				0	5.1	2.1	1.1	6.2	9.2			
20				0	5.5	4.3	1.5	6.2	8.1			
21				0	5.9	9.1	2.2	6.1	8.6			
22				0	5.7	9.9	2.6	7.0	7.0			
23				0	5.0	10	3.4	7.0	7.0			
24				0	5.0	9.9	5.0	5.7	7.8			
25				0	5.6	5.2	4.3	5.8	8.5			
26				0	5.5	6.3	4.2	6.0	7.2			
27				.69	5.5	5.9	5.3	6.3	4.0			
28				4.2	6.6	5.8	5.7	3.6	.64			
29		-----		.09	7.0	4.8	5.6	1.4	0			
30		-----		0	7.3	1.8	5.3	.82	0			
31		-----		-----	7.9	-----	4.7	.65	-----		-----	
TOTAL				4.98	144.7	189.4	97.46	198.77	206.84			
MEAN				.17	4.67	6.31	3.14	6.41	6.89			
MAX				4.2	7.9	10	8.1	8.9	11			
MIN				0	0	1.8	.10	.65	0			
AC-FT				9.9	287	376	193	394	410			
SUMMARY 1990.--MAX	11	MIN	0	AC-FT	1,670							



**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

ORD-NORTH LOUP CANAL from North Loup River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	25	35	74	87			
2					0	28	35	56	87			
3					0	26	51	43	86			
4					0	26	62	38	79			
5					0	22	69	37	65			
6					0	24	100	36	61			
7					47	24	104	44	57			
8					42	25	105	56	50			
9					32	23	106	69	47			
10					24	24	107	80	45			
11					24	23	105	85	37			
12					25	23	103	76	36			
13					25	22	97	77	36			
14					25	22	98	75	32			
15					14	22	103	74	30			
16					0	19	106	77	28			
17					23	0	109	77	28			
18					29	0	114	77	30			
19					24	12	117	77	18			
20					25	23	115	78	0			
21					25	22	115	78	0			
22					24	17	115	77	0			
23					25	16	115	85	0			
24					25	17	116	87	0			
25					26	26	117	90	0			
26					25	24	119	90	0			
27					28	22	118	85	0			
28					26	21	120	86	0			
29		-----			23	24	93	87	0			
30		-----			25	29	86	86	0			
31		-----		-----	24	-----	84	86	-----		-----	
TOTAL					635	631	3,039	2,243	939			
MEAN					20.5	21.0	98.0	72.4	31.3			
MAX					47	29	120	90	87			
MIN					0	0	35	36	0			
AC-FT					1,260	1,250	6,030	4,450	1,860			
SUMMARY 1990.--MAX	120		MIN	0	AC-FT	14,850						

# PLATTE RIVER BASIN ( LOUP RIVER )

ORD - NORTH LOUP SPILLWAY at mile 16.69 - 1990

LOCATION.--SW1/4NW1/4 Sec. 8-17-12 W. near North Loup

GAGE.--Continuous stage recorder and 5 ft. weir

PERIOD OF RECORD.--1956 - 1978, 1985 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	6.4	8.5	14	2.8			
2					0	7.0	14	9.0	6.2			
3					0	7.6	8.9	7.0	9.2			
4					0	6.9	7.3	5.8	8.6			
5					0	6.0	1.3	7.9	2.2			
6					0	6.5	3.1	6.9	5.1			
7					0	7.2	.77	3.7	9.8			
8					7.1	7.3	.30	7.3	11			
9					10	6.7	.30	6.1	12			
10					8.3	6.4	2.6	5.5	6.5			
11					7.2	7.6	3.6	8.6	6.2			
12					7.0	7.7	4.1	13	6.3			
13					7.5	7.6	4.2	12	6.3			
14					6.4	7.8	3.1	11	6.3			
15					4.0	8.6	3.9	8.2	5.8			
16					2.6	13	2.7	8.4	6.3			
17					.03	9.9	.93	8.0	6.1			
18					1.1	.95	.33	6.9	4.9			
19					5.3	.17	2.7	8.1	5.0			
20					3.8	0	4.8	5.5	3.7			
21					3.3	0	9.1	2.8	2.9			
22					2.3	0	11	.42	2.4			
23					2.8	0	11	.17	1.9			
24					4.4	0	9.5	.12	1.7			
25					4.0	0	8.5	.10	1.0			
26					4.0	7.4	8.6	.14	1.2			
27					4.5	5.9	8.1	3.4	1.0			
28					5.7	5.3	10	4.4	.34			
29		-----			6.2	3.7	13	4.2	0			
30		-----			5.0	5.6	16	4.6	0			
31		-----		-----	6.6	-----	16	2.4	-----		-----	
TOTAL					119.13	159.22	198.23	185.65	142.74			
MEAN					3.84	5.31	6.39	5.99	4.76			
MAX					10	13	16	14	12			
MIN					0	0	.30	.10	0			
AC-FT					236	316	393	368	283			
SUMMARY 1990.--MAX	16		MIN	0	AC-FT	1,600						

**PLATTE RIVER BASIN**  
**( ELKHORN RIVER )**

WILLOW CREEK RESERVOIR from Willow Creek - 1990

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1983 - present

Day	STORAGE LEVEL												ELEVATION (feet)	CONTENT (acre-feet)
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
	Top of flood pool												1637.8	18,780
	Top of conservation pool												1625.5	6,890
	top of dead storage pool												1602.0	100
1	3,400	3,560	3,710	4,090	4,190	4,490	4,430	3,540	2,780	2,360	2,300	2,410		
2	3,410	3,550	3,730	4,080	4,210	4,510	4,390	3,510	2,760	2,350	2,300	2,410		
3	3,410	3,550	3,730	4,090	4,220	4,530	4,370	3,480	2,760	2,350	2,290	2,410		
4	3,420	3,560	3,730	4,100	4,210	4,500	4,320	3,450	2,750	2,360	2,300	2,410		
5	3,420	3,570	3,740	4,100	4,230	4,500	4,270	3,410	2,730	2,360	2,300	2,430		
6	3,420	3,580	3,720	4,070	4,220	4,520	4,210	3,400	2,700	2,360	2,310	2,440		
7	3,430	3,580	3,740	4,060	4,230	4,520	4,170	3,370	2,680	2,320	2,320	2,440		
8	3,440	3,590	3,780	4,080	4,230	4,520	4,150	3,330	2,670	2,310	2,310	2,450		
9	3,440	3,600	3,820	4,090	4,180	4,520	4,100	3,300	2,640	2,320	2,330	2,460		
10	3,440	3,610	3,840	4,070	4,260	4,520	4,060	3,270	2,620	2,320	2,330	2,470		
11	3,450	3,630	3,860	4,060	4,270	4,500	4,060	3,250	2,600	2,320	2,340	2,470		
12	3,450	3,640	3,880	4,050	4,270	4,500	4,040	3,220	2,600	2,310	2,350	2,480		
13	3,450	3,650	3,900	4,060	4,290	4,480	4,010	3,200	2,580	2,310	2,360	2,480		
14	3,450	3,630	3,960	4,070	4,310	4,470	4,000	3,180	2,540	2,310	2,360	2,490		
15	3,450	3,610	3,980	4,090	4,320	4,430	3,970	3,150	2,520	2,300	2,380	2,490		
16	3,470	3,630	3,990	4,100	4,340	4,470	3,950	3,120	2,500	2,310	2,380	2,500		
17	3,470	3,650	4,010	4,090	4,350	4,530	3,920	3,100	2,480	2,310	2,370	2,510		
18	3,480	3,660	4,010	4,100	4,350	4,540	3,880	3,060	2,470	2,300	2,380	2,510		
19	3,480	3,660	4,000	4,110	4,360	4,530	3,840	3,030	2,480	2,290	2,380	2,520		
20	3,480	3,660	4,010	4,110	4,390	4,530	3,800	2,990	2,470	2,290	2,380	2,520		
21	3,500	3,670	4,030	4,130	4,400	4,520	3,770	2,960	2,460	2,300	2,390	2,520		
22	3,510	3,670	4,040	4,140	4,430	4,520	3,730	2,940	2,450	2,310	2,390	2,520		
23	3,510	3,680	4,020	4,150	4,440	4,520	3,690	2,930	2,430	2,310	2,390	2,530		
24	3,520	3,700	4,020	4,160	4,470	4,520	3,680	2,930	2,420	2,310	2,390	2,530		
25	3,530	3,690	4,030	4,190	4,470	4,520	3,660	2,930	2,420	2,300	2,390	2,530		
26	3,530	3,680	4,040	4,200	4,490	4,510	3,640	2,910	2,410	2,300	2,390	2,530		
27	3,540	3,690	4,050	4,190	4,490	4,510	3,620	2,890	2,400	2,300	2,390	2,530		
28	3,540	3,700	4,060	4,180	4,490	4,490	3,600	2,870	2,400	2,300	2,390	2,530		
29	3,550	-----	4,060	4,190	4,500	4,480	3,590	2,850	2,370	2,300	2,390	2,530		
30	3,560	-----	4,060	4,190	4,500	4,460	3,580	2,830	2,360	2,300	2,400	2,530		
31	3,550	-----	4,080	-----	4,500	-----	3,550	2,810	-----	2,300	-----	2,540		
MAX	3,560	3,700	4,080	4,200	4,500	4,540	4,430	3,540	2,780	2,360	2,400	2,540		
MIN	3,400	3,550	3,710	4,050	4,180	4,430	3,550	2,810	2,360	2,290	2,290	2,410		
CHANGE	150	153	386	109	303	-41	-907	-741	-446	-64	101	139		
SUMMARY 1990.--MEAN	3,396		MAX	4,540	MIN	2,290								

**PLATTE RIVER BASIN**  
**( ELKHORN RIVER )**

WILLOW CREEK near Pierce - 1990

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1983 - present

REMARKS.--Discharge values represent Willow Creek Reservoir outflow and dam relief well outflow.  
Missing gage height record July 25 - 31; Aug. 1 - 5.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 464 cubic feet per second on March 26, 1987, gage height 6.87 feet.  
Minimum daily discharge 2.2 cubic feet per second, August 10, 21, 22, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 6.7 cubic feet per second on June 25 at 0000 hours, gage height 3.11.  
Maximum gage height 3.33 feet on Sep. 4 from backwater from rocks placed in creek below gage.  
Minimum daily discharge 2.2 cubic feet per second, Aug. 10, 21, 22.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	4.3	4.6	5.3	5.8	5.6	5.6	5.4	3.9	2.7	4.1	3.8	4.9
2	4.5	4.5	5.5	5.7	5.8	5.8	5.5	3.5	2.7	3.8	3.7	4.9
3	4.8	4.6	5.5	5.6	5.7	5.4	5.2	3.4	2.9	3.7	3.7	4.9
4	4.7	4.7	5.4	6.1	5.5	5.4	4.5	3.3	3.2	3.6	3.7	4.9
5	4.5	4.9	5.7	5.7	5.2	5.5	4.1	3.0	3.2	3.7	3.7	4.9
6	4.5	5.0	5.7	5.5	5.1	5.5	3.9	2.7	3.2	3.5	3.9	4.9
7	4.6	5.0	5.7	5.6	5.1	5.5	4.0	2.7	3.5	3.2	4.0	4.7
8	4.5	4.7	5.6	5.7	4.8	5.8	3.9	2.7	3.0	3.2	4.1	4.9
9	4.5	4.7	5.5	5.7	4.7	6.0	3.6	2.4	3.2	3.1	4.2	5.2
10	4.6	4.9	5.2	5.5	4.8	6.0	3.8	2.2	3.2	3.1	4.0	5.2
11	4.8	5.4	5.3	5.4	4.9	6.0	4.1	2.4	3.1	3.1	3.9	5.3
12	4.7	5.6	5.5	5.4	4.6	5.7	4.5	2.7	3.2	3.1	3.9	5.3
13	4.7	5.5	5.5	5.5	4.5	5.7	4.6	2.7	3.4	3.1	4.0	5.4
14	4.8	5.3	5.3	5.3	4.8	5.7	4.5	2.6	3.5	3.2	4.1	5.6
15	4.7	5.3	5.3	5.4	5.0	5.9	3.9	2.6	3.6	3.3	4.0	5.7
16	4.9	4.9	5.3	5.6	4.9	6.2	3.4	2.4	3.8	3.4	4.1	5.4
17	4.9	4.2	5.3	5.1	4.9	6.3	3.4	2.3	3.8	3.4	4.1	5.3
18	4.9	3.9	5.3	4.9	5.0	6.1	3.4	2.5	3.7	3.5	4.1	5.4
19	4.9	3.8	5.2	4.7	5.0	6.3	3.1	2.5	3.7	3.5	4.2	5.0
20	4.9	4.0	5.8	4.8	4.9	6.1	3.2	2.3	3.8	3.4	4.4	4.9
21	4.8	4.2	6.2	5.0	5.0	6.2	3.2	2.2	3.9	3.4	4.5	4.9
22	4.7	4.3	6.0	5.3	5.3	6.2	3.3	2.2	3.8	3.4	4.5	4.8
23	4.9	4.3	5.8	5.1	5.1	6.2	3.3	2.5	4.0	3.3	4.7	4.9
24	4.8	4.3	5.6	5.3	5.1	6.6	3.3	2.6	4.3	3.4	4.7	4.9
25	4.7	4.3	5.7	5.5	5.1	6.5	3.6	2.7	4.4	3.4	4.7	4.7
26	4.8	4.5	6.2	5.5	5.0	6.5	3.6	2.8	4.3	3.6	4.7	4.7
27	4.9	4.9	6.5	5.7	5.0	6.0	3.6	2.9	4.5	3.5	4.7	4.9
28	4.7	5.0	6.6	5.6	5.4	5.8	3.9	2.6	4.4	3.4	4.7	4.8
29	4.7	-----	6.3	5.5	5.6	5.7	4.0	2.5	4.4	3.5	4.9	4.9
30	4.7	-----	6.0	5.4	5.6	5.6	4.2	2.7	4.5	3.5	4.9	4.9
31	4.7	-----	6.0	-----	5.5	-----	4.1	2.9	-----	3.6	-----	4.7
TOTAL	146.1	131.3	175.8	162.9	158.5	177.8	122.1	83.4	108.9	106.0	126.6	155.8
MEAN	4.71	4.69	5.67	5.43	5.11	5.93	3.94	2.69	3.63	3.42	4.22	5.03
MAX	4.9	5.6	6.6	6.1	5.8	6.6	5.5	3.9	4.5	4.1	4.9	5.7
MIN	4.3	3.8	5.2	4.7	4.5	5.4	3.1	2.2	2.7	3.1	3.7	4.7
AC-FT	290	260	349	323	314	353	242	165	216	210	251	309

SUMMARY 1990.--TOTAL 1,655.2 MEAN 4.53 MAX 6.6 MIN 2.2 AC-FT 3,280

**PLATTE RIVER BASIN  
( ELKHORN RIVER )**

BUTTERFLY CREEK near Stanton - 1990

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1990

REMARKS.--Station established Oct. 1, 1990

Estimated discharges Oct. 1 - 31; Nov. 1 - 16; Dec. 21 - 31

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1										.90	.58	.64
2										.90	.58	.69
3										.93	.85	.72
4										.93	.90	.73
5										.90	.90	.74
6										.80	.88	.76
7										.70	.86	.74
8										.68	.84	.74
9										.63	.83	.75
10										.55	.80	.73
11										.50	.77	.72
12										.48	.73	.72
13										.49	.70	.68
14										.49	.67	.69
15										.50	.64	.67
16										.53	.60	.68
17										.53	.57	.70
18										.53	.60	.66
19										.53	.61	.64
20										.56	.61	.78
21										.55	.63	.76
22										.54	.59	.73
23										.54	.62	.77
24										.54	.55	.67
25										.54	.57	.65
26										.54	.62	.62
27										.54	.55	.59
28										.55	.54	.57
29		-----								.55	.57	.53
30		-----								.57	.62	.50
31		-----		-----		-----		-----		.58	-----	.47
TOTAL										19.10	20.38	21.04
MEAN										.62	.68	.68
MAX										.93	.90	.78
MIN										.48	.54	.47
AC-FT										38	40	42

SUMMARY 1990.--Incomplete record for 1990

**PLATTE RIVER BASIN  
( S A L T C R E E K )**

OLIVE BRANCH LAKE (NO. 2) from Olive Branch Creek - 1990

LOCATION.--Sec. 10-7-5 E. near Kramer

GAGE.--Continous stage recorder

PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1350.0	5,470
Top of conservation pool	1335.0	1,490
Top of dead storage pool	1330.0	765

Date	Contents (Acre-feet)
December 31, 1989 .....	915
January 31, 1990 .....	910
February 28, 1990 .....	889
March 31, 1990 .....	911
April 30, 1990 .....	874
May 31, 1990 .....	867
June 30, 1990 .....	831
July 31, 1990 .....	805
August 31, 1990 .....	732
September 30, 1990 .....	671
October 31, 1990 .....	642
November 30, 1990 .....	629
December 31, 1990 .....	622

**PLATTE RIVER BASIN  
( SALT CREEK )**

BLUE STEM LAKE (NO. 4) from a tributary to Salt Creek - 1990

LOCATION.--Sec. 30-6-6 E. near Martell

GAGE.--Continuous stage recorder

PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1322.5	9,790
Top of conservation pool	1308.0	2,870
Top of dead storage pool	1303.0	1,500

Date	Contents (Acre-feet)
December 31, 1989 .....	2,020
January 31, 1990 .....	1,990
February 28, 1990 .....	1,940
March 31, 1990 .....	2,000
April 30, 1990 .....	1,930
May 31, 1990 .....	1,980
June 30, 1990 .....	1,930
July 31, 1990 .....	1,820
August 31, 1990 .....	1,690
September 30, 1990 .....	1,520
October 31, 1990 .....	1,450
November 30, 1990 .....	1,390
December 31, 1990 .....	1,370

P L A T T E   R I V E R   B A S I N  
( S A L T   C R E E K )

WAGONTRAIN LAKE (NO. 8) from tributary to Salt Creek - 1990

LOCATION.--Sec. 36-8-7 E. near Holland

GAGE.--Continous stage recorder

PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1302.0	9,280
Top of conservation pool	1288.0	2,550
Top of dead storage pool	1283.5	1,200

Date	Contents (Acre-feet)
December 31, 1989 .....	1,930
January 31, 1990 .....	1,940
February 28, 1990 .....	1,920
March 31, 1990 .....	2,020
April 30, 1990 .....	2,000
May 31, 1990 .....	2,010
June 30, 1990 .....	1,920
July 31, 1990 .....	1,880
August 31, 1990 .....	1,770
September 30, 1990 .....	1,650
October 31, 1990 .....	1,590
November 30, 1990 .....	1,550
December 31, 1990 .....	1,540



PLATTE RIVER BASIN  
( SALT CREEK )

STAGE COACH LAKE (NO. 9) from South Branch Salt Creek - 1990

LOCATION.--Sec. 4-7-7 E. near Hickman

GAGE.--Continuous stage recorder

PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1285.0	6,340
Top of conservation pool	1271.0	1,810
Top of dead storage pool	1261.0	464

Date	Contents (Acre-feet)
December 31, 1989 .....	1,600
January 31, 1990 .....	1,660
February 28, 1990 .....	1,690
March 31, 1990 .....	1,810
April 30, 1990 .....	1,820
May 31, 1990 .....	1,880
June 30, 1990 .....	551
July 31, 1990 .....	594
August 31, 1990 .....	544
September 30, 1990 .....	499
October 31, 1990 .....	498
November 30, 1990 .....	527
December 31, 1990 .....	550

PLATTE RIVER BASIN  
( SALT CREEK )

YANKEE HILL LAKE (NO. 10) from Cardwell Branch Salt Creek - 1990

LOCATION.--Sec. 19-9-6 E. near Denton

GAGE.--Continous stage recorder

PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1262.0	7,560
Top of conservation pool	1245.0	1,730
Top of dead storage pool	1237.0	446

Date	Contents (Acre-feet)
December 31, 1989 .....	1,620
January 31, 1990 .....	1,610
February 28, 1990 .....	1,580
March 31, 1990 .....	1,660
April 30, 1990 .....	1,620
May 31, 1990 .....	1,720
June 30, 1990 .....	1,740
July 31, 1990 .....	1,730
August 31, 1990 .....	1,620
September 30, 1990 .....	1,480
October 31, 1990 .....	1,410
November 30, 1990 .....	1,380
December 31, 1990 .....	1,380

**PLATTE RIVER BASIN  
( SALT CREEK )**

CONESTOGA LAKE (NO. 12) from Holmes Creek - 1990

LOCATION.--Sec. 10-9-5 E. near Denton

GAGE.--Continuous stage recorder

PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1252.0	10,640
Top of conservation pool	1233.0	2,630
Top of dead storage pool	1228.0	1,650

Date	Contents (Acre-feet)
December 31, 1989 .....	2,060
January 31, 1990 .....	2,070
February 28, 1990 .....	2,060
March 31, 1990 .....	2,140
April 30, 1990 .....	2,120
May 31, 1990 .....	2,240
June 30, 1990 .....	2,280
July 31, 1990 .....	2,670
August 31, 1990 .....	2,540
September 30, 1990 .....	2,390
October 31, 1990 .....	2,320
November 30, 1990 .....	2,300
December 31, 1990 .....	2,290

P L A T T E R I V E R B A S I N  
( S A L T C R E E K )

TWIN LAKES (NO.13) from South Branch Middle Creek - 1990  
 LOCATION.--Sec. 22-10-4 E. near Pleasant Dale  
 GAGE.--Continous stage recorder  
 PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1355.0	8,800
Top of conservation pool	1341.0	2,830
Top of dead storage pool	1333.0	1,240

Date	Contents (Acre-feet)
December 31, 1989 .....	1,210
January 31, 1990 .....	1,210
February 28, 1990 .....	1,200
March 31, 1990 .....	1,230
April 30, 1990 .....	1,200
May 31, 1990 .....	1,250
June 30, 1990 .....	1,220
July 31, 1990 .....	1,400
August 31, 1990 .....	1,350
September 30, 1990 .....	1,280
October 31, 1990 .....	1,210
November 30, 1990 .....	1,230
December 31, 1990 .....	1,240

**PLATTE RIVER BASIN  
( S A L T C R E E K )**

PANNEE LAKE (NO. 14) from North Branch Middle Creek - 1990

LOCATION.--Sec. 16-10-5 E. near Emerald

GAGE.--Continuous stage recorder

PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1263.5	28,120
Top of conservation pool	1244.5	7,980
Top of dead storage pool	1233.0	2,030

Date	Contents (Acre-feet)
December 31, 1989 .....	6,070
January 31, 1990 .....	6,240
February 28, 1990 .....	6,270
March 31, 1990 .....	6,560
April 30, 1990 .....	6,560
May 31, 1990 .....	6,820
June 30, 1990 .....	6,820
July 31, 1990 .....	7,820
August 31, 1990 .....	7,720
September 30, 1990 .....	7,300
October 31, 1990 .....	6,830
November 30, 1990 .....	6,750
December 31, 1990 .....	6,760

**PLATTE RIVER BASIN  
( SALT CREEK )**

**ANTELOPE LAKE (HOLMES PARK NO. 17) from Antelope Creek - 1990**

**LOCATION.--Sec. 4-9-7 E. in Lincoln**

**GAGE.--Continous stage recorder**

**PERIOD OF PUBLISHED RECORD.--1977 - present**

**REMARKS.--Values provided by U. S. Army Corps of Engineers.**

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1266.0	6,540
Top of conservation pool	1242.5	738
Top of dead storage pool	1239.0	395

Date	Contents (Acre-feet)
December 31, 1989 .....	729
January 31, 1990 .....	728
February 28, 1990 .....	697
March 31, 1990 .....	712
April 30, 1990 .....	666
May 31, 1990 .....	769
June 30, 1990 .....	795
July 31, 1990 .....	972
August 31, 1990 .....	889
September 30, 1990 .....	797
October 31, 1990 .....	753
November 30, 1990 .....	723
December 31, 1990 .....	693

**PLATTE RIVER BASIN  
( SALT CREEK )**

BRANCHED OAK LAKE (NO. 18) from Oak Creek - 1990

LOCATION.--Sec. 34-12-5 E. near Raymond

GAGE.--Continuous stage recorder

PERIOD OF PUBLISHED RECORD.--1977 - present

REMARKS.--Values provided by U. S. Army Corps of Engineers.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1311.5	99,400
Top of conservation pool	1284.0	25,990
Top of dead storage pool	1276.3	14,080

Date	Contents (Acre-feet)
December 31, 1989 .....	21,900
January 31, 1990 .....	22,210
February 28, 1990 .....	22,280
March 31, 1990 .....	22,910
April 30, 1990 .....	22,840
May 31, 1990 .....	23,480
June 30, 1990 .....	23,330
July 31, 1990 .....	23,790
August 31, 1990 .....	23,470
September 30, 1990 .....	22,550
October 31, 1990 .....	22,210
November 30, 1990 .....	22,130
December 31, 1990 .....	22,100

**PLATTE RIVER BASIN**  
**( SALT CREEK )**

OAK CREEK at Lincoln - 1990

LOCATION.--NE1/4NE1/4 Sec. 7-10-6 E.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1987 - present

REMARKS.--Estimated discharges due to backwater from ice: Jan 1 - 3, 13, 20, 21, Feb. 1 - 4, 15 - 20, Dec. 3, 17 - 31

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,630 cubic feet per second on July 26, 1990, gage height 17.38 feet.  
Minimum daily discharge, 2.8 cubic feet per second on August 2, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1990, 5,630 cubic feet per second on July 26, gage height 17.38 feet.  
Minimum daily discharge 4.5 cubic feet per second on October 19.

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	14	17	17	17	8.1	11	7.4	16	7.4	5.3	6.7	11
2	14	17	17	16	8.2	10	7.0	16	7.7	5.4	10	11
3	14	18	18	15	12	8.7	6.3	18	7.7	14	12	11
4	18	18	17	13	13	8.1	5.8	16	7.4	11	12	11
5	21	18	15	14	13	8.9	5.1	13	7.4	9.1	13	9.1
6	34	18	17	14	9.7	7.3	6.7	12	8.1	6.3	15	10
7	26	19	23	13	7.5	12	10	11	7.4	4.8	16	9.8
8	10	19	28	12	7.7	23	8.5	9.3	7.0	6.3	15	9.2
9	11	19	25	12	61	27	6.3	8.9	7.0	6.2	14	9.8
10	12	19	20	13	43	16	8.1	9.8	6.7	6.0	14	9.0
11	13	19	17	14	27	11	8.9	9.3	5.5	5.7	15	8.8
12	12	18	17	15	23	12	6.9	222	6.0	5.8	9.3	10
13	12	20	19	16	22	12	5.3	32	5.4	6.7	8.9	11
14	14	21	20	14	19	15	5.5	14	6.1	7.7	9.0	13
15	15	21	18	13	18	16	5.2	11	6.6	5.6	9.3	13
16	16	21	17	13	18	15	6.8	38	5.1	5.7	8.7	13
17	16	21	17	12	16	16	6.4	19	6.6	5.3	8.9	13
18	16	20	16	12	14	13	5.7	9.6	8.0	5.1	8.5	13
19	16	20	15	12	17	42	18	8.1	8.6	4.5	8.3	12
20	16	20	13	11	18	33	23	8.1	13	5.2	9.8	11
21	17	20	11	10	19	19	14	8.1	12	7.4	10	10
22	17	19	12	9.1	14	30	9.8	8.1	13	12	8.8	10
23	17	19	16	8.5	11	25	7.4	7.7	14	6.4	9.3	10
24	16	19	16	8.9	24	14	6.0	8.1	14	5.1	9.9	10
25	18	19	15	8.7	45	11	514	7.7	12	5.1	10	11
26	16	18	15	8.1	30	9.8	1,740	7.4	9.5	5.4	9.8	11
27	16	18	15	9.3	18	9.3	67	7.4	7.1	5.1	11	11
28	17	17	16	10	27	9.3	25	7.4	6.5	4.7	9.8	11
29	17	-----	20	9.1	15	8.1	20	6.7	6.0	5.1	9.8	11
30	17	-----	20	8.8	13	7.7	19	6.3	7.1	6.0	10	11
31	17	-----	19	-----	13	-----	16	6.7	-----	5.8	-----	11
TOTAL	505	532	541	361.5	604.2	460.2	2,601.1	582.7	245.9	199.8	321.8	335.7
MEAN	16.3	19.0	17.5	12.1	19.5	15.3	83.9	18.8	8.20	6.45	10.7	10.8
MAX	34	21	28	17	61	42	1,740	222	14	14	16	13
MIN	10	17	11	8.1	7.5	7.3	5.1	6.3	5.1	4.5	6.7	8.8
AC-FT	1,000	1,060	1,070	717	1,200	913	5,160	1,160	488	396	638	666

SUMMARY 1990.--TOTAL            7,290.9    MEAN            20.0    MAX            1,740    MIN            4.5    AC-FT           14,460



## REPUBLICAN RIVER BASIN

HAIGLER CANAL from Republican River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	14	12	22	19	0	14	9.4
2					0	20	11	21	23	0	19	8.7
3					0	17	10	20	22	0	24	6.1
4					0	17	10	24	22	0	25	0
5					0	19	12	26	24	0	20	0
6					0	21	14	28	25	0	17	0
7					0	24	12	28	26	0	15	0
8					0	14	11	28	26	0	13	0
9					0	7.7	16	27	21	0	13	0
10					0	18	14	26	18	6.9	12	0
11					0	24	12	26	18	12	12	0
12					0	23	13	23	18	11	12	0
13					0	23	16	22	16	11	16	0
14					0	26	27	24	19	11	23	0
15					0	27	27	24	23	11	24	0
16					0	27	26	23	23	11	24	0
17					0	25	21	25	19	19	23	0
18					0	25	18	25	18	17	24	0
19					0	25	17	26	17	10	24	0
20					0	24	18	27	17	13	26	0
21					8.8	21	27	27	18	14	26	0
22					15	16	34	28	21	13	27	0
23					19	13	33	27	20	12	27	0
24					18	12	31	25	21	12	29	0
25					18	13	33	23	18	11	29	0
26					20	12	32	23	5.4	12	30	0
27					24	11	34	23	0	12	17	0
28					22	11	29	22	0	12	10	0
29		-----			20	9.9	24	20	0	13	9.4	0
30		-----			21	11	30	17	0	11	9.1	0
31		-----	-----	-----	9.1	-----	28	16	-----	12	-----	0
TOTAL					194.9	550.6	652	746	517.4	266.9	593.5	24.2
MEAN					6.29	18.4	21.0	24.1	17.2	8.61	19.8	.78
MAX					24	27	34	28	26	19	30	9.4
MIN					0	7.7	10	16	0	0	9.1	0
AC-FT					387	1,090	1,290	1,480	1,030	529	1,180	48
SUMMARY 1990.--MAX	34		MIN	0	AC-FT	7,030						

# REPUBLICAN RIVER BASIN

HAIGLER CANAL from Republican River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	11	7.9	15	12	0	6.6	9.7
2					0	18	6.8	15	20	0	9.5	9.1
3					0	16	5.0	15	17	0	18	9.1
4					0	15	4.4	18	14	0	18	0
5					0	18	4.2	18	17	0	16	0
6					0	19	7.3	16	18	0	13	0
7					0	20	7.3	21	22	0	11	0
8					0	17	6.2	22	22	0	9.3	0
9					0	3.6	8.1	19	24	0	8.3	0
10					0	12	7.2	12	16	2.2	7.7	0
11					0	19	6.1	14	13	11	7.3	0
12					0	18	6.2	18	13	11	7.2	0
13					0	13	6.8	12	14	9.7	8.1	0
14					0	16	14	15	14	8.9	17	0
15					0	13	14	15	19	7.9	17	0
16					0	13	12	16	19	7.9	18	0
17					0	14	11	18	14	15	17	0
18					0	14	8.1	20	18	19	17	0
19					0	13	9.5	22	16	7.7	17	0
20					0	14	9.7	22	12	12	18	0
21					6.8	10	13	20	14	14	18	0
22					14	7.9	16	20	19	11	19	0
23					18	3.8	18	20	19	8.7	19	0
24					16	3.6	15	22	19	8.9	22	0
25					17	5.5	13	18	18	8.7	23	0
26					18	3.9	15	17	9.6	8.7	25	0
27					21	1.3	21	17	.53	9.1	21	0
28					20	5.7	21	17	0	7.9	9.7	0
29		-----			18	5.9	11	16	0	7.3	9.7	0
30		-----			22	6.0	17	12	0	7.2	9.7	0
31		-----		-----	8.9	-----	14	8.9	-----	6.8	-----	0
TOTAL					179.7	350.2	335.8	530.9	433.13	210.6	437.1	27.9
MEAN					5.80	11.7	10.8	17.1	14.4	6.79	14.6	.90
MAX					22	20	21	22	24	19	25	9.7
MIN					0	1.3	4.2	8.9	0	0	6.6	0
AC-FT					356	695	666	1,050	859	418	867	55
SUMMARY 1990.--MAX		25	MIN	0	AC-FT	4,970						

## REPUBLICAN RIVER BASIN

HAIGLER CANAL SPILLBACK to Arikaree River - 1990

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

REMARKS.--Values furnished by the State of Colorado

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	6.2	0	0	2.8	0	.66	15
2					0	14	0	0	4.9	0	0	7.5
3					0	14	0	0	2.3	0	4.0	7.7
4					0	12	0	.56	0	0	14	0
5					0	14	0	1.7	0	0	15	0
6					0	14	0	3.2	.56	0	10	0
7					0	15	0	7.5	.80	0	8.9	0
8					0	15	0	13	0	0	7.5	0
9					0	3.5	0	10	0	0	6.4	0
10					0	5.0	0	4.9	0	0	6.1	0
11					0	13	0	5.7	0	.63	4.5	0
12					0	12	0	8.7	.23	3.1	1.5	0
13					0	8.9	0	5.0	.35	3.1	0	0
14					0	6.2	0	2.6	1.2	2.6	0	0
15					0	6.1	0	1.2	2.0	2.3	0	0
16					0	4.1	0	2.0	3.5	1.7	.10	0
17					0	2.4	0	2.4	3.2	1.7	.42	0
18					0	0	0	1.7	5.0	5.2	.64	0
19					0	0	0	1.1	5.4	5.0	1.6	0
20					0	0	0	.64	4.7	4.7	2.0	0
21					0	0	0	.29	6.6	6.4	4.4	0
22					9.1	0	0	.80	5.9	8.1	7.7	0
23					9.3	0	0	2.5	7.2	5.4	8.7	0
24					9.5	0	0	3.8	5.2	4.5	13	0
25					9.3	0	0	4.9	5.2	4.5	10	0
26					10	0	0	3.6	4.2	4.5	12	0
27					12	0	0	3.1	1.2	4.7	18	0
28					14	0	.40	2.4	0	3.8	11	0
29		-----			14	0	.48	.80	0	3.2	18	0
30		-----			16	0	.37	.80	0	2.9	24	0
31		-----	-----	-----	8.7	-----	0	1.1	-----	2.5	-----	0
TOTAL					111.9	165.4	1.25	95.99	72.44	80.53	210.12	30.2
MEAN					3.61	5.51	.040	3.10	2.41	2.60	7.00	.97
MAX					16	15	.48	13	7.2	8.1	24	15
MIN					0	0	0	0	0	0	0	0
AC-FT					222	328	2.5	190	144	160	417	60

SUMMARY 1990.--MAX 24 MIN 0 AC-FT 1,520

# REPUBLICAN RIVER BASIN

MEEKER-DRIFTWOOD CANAL from Republican River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	312	183				
2						0	312	188				
3						0	312	202				
4						0	312	207				
5						0	304	207				
6						0	297	220				
7						0	300	234				
8						0	299	236				
9						0	298	244				
10						0	298	239				
11						0	305	236				
12						0	308	237				
13						0	292	236				
14						0	284	224				
15						0	282	219				
16						0	273	198				
17						0	273	171				
18						0	280	164				
19						67	289	164				
20						87	283	163				
21						32	278	151				
22						0	277	145				
23						0	270	165				
24						0	256	201				
25						76	247	213				
26						149	233	212				
27						237	202	234				
28						280	189	265				
29		-----				303	189	262				
30		-----				312	184	235				
31		-----	-----			-----	181	73	-----		-----	
TOTAL						1,543	8,419	6,328				
MEAN						51.4	272	204				
MAX						312	312	265				
MIN						0	181	73				
AC-FT						3,060	16,700	12,550				
SUMMARY 1990.--MAX		312	MIN	0	AC-FT	32,310						

## REPUBLICAN RIVER BASIN

CHAMPION CANAL from Frenchman River - 1990

LOCATION.--NW1/4SW1/4 Sec. 23-6-40 W. near Champion

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1923, 1925, 1927 - 1928, 1933, 1938 - 1941, 1963 - present

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.7	0	3.6	4.7	3.1	2.9	0	0	0	0	0	2.7
2	3.8	0	3.8	4.4	3.1	3.0	0	0	0	0	0	2.7
3	3.7	.39	3.8	4.4	2.8	3.0	0	0	0	0	0	2.6
4	3.8	.69	4.7	4.7	2.6	3.1	0	0	0	0	0	2.6
5	3.8	.69	4.7	5.0	2.6	3.2	0	0	0	0	0	3.3
6	3.9	.84	5.0	5.1	2.8	3.2	0	0	0	0	0	4.0
7	3.8	1.0	5.2	5.0	2.8	3.3	0	0	0	0	0	4.0
8	3.8	1.1	5.4	5.0	2.3	3.3	0	0	0	0	0	3.8
9	3.9	1.0	5.4	5.1	2.4	3.3	0	0	0	0	0	3.6
10	2.7	1.0	5.4	5.0	2.4	3.3	0	0	0	0	0	3.4
11	1.5	1.1	5.4	4.9	2.4	3.3	0	0	0	0	0	2.1
12	1.7	1.1	5.2	4.9	2.4	3.4	0	0	0	0	1.6	0
13	2.9	1.1	5.1	4.9	2.4	3.4	0	0	0	0	1.3	0
14	3.7	1.1	5.1	4.9	2.4	3.3	0	0	0	0	0	0
15	3.7	1.1	4.9	4.9	2.3	3.2	0	0	0	0	0	0
16	3.8	1.1	4.8	4.6	2.3	3.0	0	0	0	0	0	0
17	3.8	1.2	4.9	4.2	2.3	3.0	0	0	0	0	0	0
18	3.8	1.1	4.9	4.2	2.3	2.8	0	0	0	0	0	0
19	3.9	1.1	4.8	4.2	2.3	2.7	0	0	0	0	0	0
20	1.9	1.1	5.0	4.3	2.3	2.5	0	0	0	0	0	0
21	0	1.1	5.0	4.4	2.3	2.4	0	0	0	0	0	0
22	0	1.1	5.0	4.4	2.4	2.3	0	0	0	0	0	0
23	0	1.7	5.0	4.4	2.5	2.1	0	0	0	0	0	0
24	0	3.5	5.0	4.4	2.6	2.0	0	0	0	0	0	0
25	0	3.4	4.9	4.5	2.7	1.9	0	0	0	0	0	0
26	0	3.4	4.9	4.3	2.7	1.8	0	0	0	0	.84	0
27	0	3.3	4.9	3.7	2.7	1.5	0	0	0	0	2.7	0
28	0	3.3	4.9	3.6	2.7	1.4	0	0	0	0	1.8	0
29	0	-----	5.0	3.0	2.7	0	0	0	0	0	2.9	0
30	0	-----	5.0	3.1	2.8	0	0	0	0	0	2.8	0
31	0	-----	4.9	-----	2.8	-----	0	0	-----	0	-----	0
TOTAL	67.6	38.61	151.6	134.2	79.2	77.6	0	0	0	0	13.94	34.8
MEAN	2.18	1.38	4.89	4.47	2.55	2.59	0	0	0	0	.46	1.12
MAX	3.9	3.5	5.4	5.1	3.1	3.4	0	0	0	0	2.9	4.0
MIN	0	0	3.6	3.0	2.3	0	0	0	0	0	0	0
AC-FT	134	77	301	266	157	154	0	0	0	0	28	69
SUMMARY 1990.--TOTAL		597.55	MEAN	1.64	MAX	5.4	MIN	0	AC-FT	1,190		

# R E P U B L I C A N R I V E R B A S I N

CULBERTSON CANAL from Frenchman River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	50	51	228	171	0			
2				0	49	50	246	135	0			
3				0	48	52	250	99	0			
4				0	42	52	256	86	0			
5				0	39	52	247	83	0			
6				0	39	52	231	62	0			
7				0	36	52	214	55	0			
8				0	38	51	206	25	0			
9				4.0	36	50	181	3.0	0			
10				37	35	49	174	1.0	0			
11				35	34	47	172	0	0			
12				40	31	45	172	0	0			
13				54	32	44	172	0	0			
14				54	33	43	176	0	0			
15				57	32	42	179	0	0			
16				56	31	45	187	0	0			
17				53	31	44	189	0	0			
18				49	31	45	194	0	0			
19				43	31	67	206	0	0			
20				40	32	76	223	0	0			
21				45	33	89	228	0	0			
22				47	32	85	229	0	0			
23				49	31	87	229	0	0			
24				50	31	92	230	0	0			
25				49	32	108	233	0	0			
26				50	32	117	230	0	0			
27				50	32	152	238	0	0			
28				52	32	173	240	0	0			
29		-----		52	45	188	241	0	0			
30		-----		50	52	213	249	0	0			
31		-----		-----	52	-----	245	0	-----		-----	
TOTAL				1,016.0	1,134	2,313	6,695	720.0	0			
MEAN				33.9	36.6	77.1	216	23.2	0			
MAX				57	52	213	256	171	0			
MIN				0	31	42	172	0	0			
AC-FT				2,020	2,250	4,590	13,280	1,430	0			
SUMMARY 1990.--MAX		256	MIN	0	AC-FT	23,560						

## REPUBLICAN RIVER BASIN

RIVERSIDE CANAL from Frenchman River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	8.9	5.5	7.0	12		
2						0	8.7	3.5	6.0	12		
3						0	8.2	2.0	4.2	13		
4						0	6.5	.73	2.9	14		
5						0	6.1	.61	.75	12		
6						0	6.6	.35	.44	9.5		
7						0	6.3	4.6	.14	9.3		
8						0	6.0	3.9	.49	10		
9						1.6	5.3	17	.71	9.5		
10						5.6	3.8	19	2.0	9.5		
11						5.8	4.3	19	3.8	9.4		
12						6.0	4.9	19	1.4	9.3		
13						6.9	4.3	18	1.7	9.1		
14						7.7	3.5	19	2.0	9.0		
15						8.9	2.1	19	2.0	8.9		
16						.15	2.8	19	3.0	8.7		
17						5.9	1.4	19	4.2	8.8		
18						14	1.3	19	4.8	9.3		
19						12	.54	19	6.9	9.2		
20						9.4	3.4	18	8.1	4.4		
21						11	5.4	12	8.6	0		
22						12	6.2	17	8.7	0		
23						10	5.7	17	8.7	0		
24						11	3.6	14	9.0	0		
25						9.4	2.3	12	8.8	0		
26						9.4	1.1	11	9.6	0		
27						10	.81	7.6	9.7	0		
28						13	1.3	7.9	9.9	0		
29		-----				9.7	2.5	7.6	11	0		
30		-----				10	2.1	6.9	12	0		
31		-----		-----		-----	3.1	6.8	-----	0	-----	
TOTAL						189.45	129.05	364.99	158.53	196.9		
MEAN						6.32	4.16	11.8	5.28	6.35		
MAX						14	8.9	19	12	14		
MIN						0	.54	.35	.14	0		
AC-FT						376	256	724	314	391		

SUMMARY 1990.--MAX 19 MIN 0 AC-FT 2,060

# REPUBLICAN RIVER BASIN

RED WILLOW CANAL from Red Willow Creek - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	80	66				
2						0	92	77				
3						0	95	72				
4						0	91	66				
5						0	89	66				
6						0	81	67				
7						0	79	63				
8						0	79	61				
9						0	68	60				
10						0	66	55				
11						0	67	53				
12						0	68	49				
13						0	68	43				
14						0	69	37				
15						0	70	33				
16						0	72	32				
17						0	80	33				
18						0	85	34				
19						14	84	33				
20						34	75	35				
21						27	66	38				
22						45	66	37				
23						55	45	41				
24						55	55	43				
25						69	55	43				
26						81	55	43				
27						79	49	60				
28						85	47	67				
29		-----				85	47	64				
30		-----				87	60	60				
31		-----		-----		-----	70	19	-----		-----	
TOTAL						716	2,173	1,550				
MEAN						23.9	70.1	50.0				
MAX						87	95	77				
MIN						0	45	19				
AC-FT						1,420	4,310	3,070				
SUMMARY 1990.--MAX		95	MIN	0	AC-FT	8,800						



REPUBLICAN RIVER BASIN

BARTLEY CANAL from Republican River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	122	47				
2						0	117	55				
3						0	102	58				
4						0	97	64				
5						0	95	67				
6						0	82	74				
7						0	74	73				
8						0	74	76				
9						0	88	72				
10						0	99	57				
11						0	100	44				
12						0	99	38				
13						0	86	26				
14						0	79	21				
15						0	79	21				
16						0	79	19				
17						0	76	16				
18						0	69	15				
19						0	75	16				
20						0	85	16				
21						39	88	15				
22						38	88	14				
23						43	85	18				
24						43	82	40				
25						64	78	49				
26						86	70	49				
27						99	52	87				
28						111	45	116				
29		-----				117	45	116				
30		-----				120	41	113				
31		-----		-----		-----	40	39	-----		-----	
TOTAL						760	2,491	1,531				
MEAN						25.3	80.4	49.4				
MAX						120	122	116				
MIN						0	40	14				
AC-FT						1,510	4,940	3,040				
SUMMARY 1990.--MAX		122	MIN	0	AC-FT	9,490						

# R E P U B L I C A N R I V E R B A S I N

CAMBRIDGE CANAL from Republican River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	307	184				
2						0	303	186				
3						0	301	162				
4						0	303	140				
5						0	296	140				
6						0	278	153				
7						0	262	169				
8						0	257	175				
9						0	273	183				
10						0	292	200				
11						0	306	164				
12						0	317	113				
13						0	285	76				
14						0	276	64				
15						0	273	63				
16						0	297	64				
17						0	296	59				
18						38	278	56				
19						76	261	56				
20						97	204	76				
21						106	186	83				
22						132	187	87				
23						134	201	105				
24						133	234	126				
25						158	254	131				
26						232	213	132				
27						269	161	252				
28						282	147	304				
29		-----				303	146	288				
30		-----				309	166	230				
31		-----		-----		-----	193	65	-----		-----	
TOTAL						2,269	7,753	4,286				
MEAN						75.6	250	138				
MAX						309	317	304				
MIN						0	146	56				
AC-FT						4,500	15,380	8,500				
SUMMARY 1990.--MAX		317	MIN	0	AC-FT	28,380						

REPUBLICAN RIVER BASIN

NAPONEE CANAL from Republican River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	36	26	21			
2						0	36	28	21			
3						0	36	11	21			
4						0	36	0	21			
5						0	36	0	17			
6						0	36	0	14			
7						0	34	0	6.0			
8						0	32	0	0			
9						0	32	13	0			
10						0	34	26	0			
11						0	36	22	0			
12						0	36	8.0	0			
13						0	33	0	0			
14						0	30	0	0			
15						0	30	0	0			
16						0	30	0	0			
17						0	30	0	0			
18						0	30	0	0			
19						0	30	0	0			
20						0	24	0	0			
21						0	20	0	0			
22						0	22	0	0			
23						0	30	0	0			
24						0	34	0	0			
25						0	36	0	0			
26						9.0	22	0	0			
27						18	12	0	0			
28						24	12	0	0			
29		-----				30	12	0	0			
30		-----				34	17	9.0	0			
31		-----		-----		-----	22	18	-----		-----	
TOTAL						115.0	896	161.0	121.0			
MEAN						3.83	28.9	5.19	4.03			
MAX						34	36	28	21			
MIN						0	12	0	0			
AC-FT						228	1,780	319	240			
SUMMARY 1990.--MAX		36	MIN	0	AC-FT	2,560						

# R E P U B L I C A N   R I V E R   B A S I N

FRANKLIN CANAL from Republican River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	193	137	192			
2						0	215	163	205			
3						0	243	86	205			
4						0	252	0	205			
5						0	259	0	205			
6						0	259	0	199			
7						0	259	0	177			
8						0	259	45	149			
9						0	259	128	138			
10						0	257	154	121			
11						0	256	184	94			
12						0	257	88	82			
13						0	257	0	34			
14						0	256	0	0			
15						0	255	0	0			
16						0	254	0	0			
17						0	255	0	0			
18						0	259	0	0			
19						0	259	0	0			
20						0	236	0	0			
21						0	217	0	0			
22						0	217	0	0			
23						0	211	0	0			
24						0	218	0	0			
25						0	197	0	0			
26						0	81	71	0			
27						75	0	128	0			
28						116	0	149	0			
29		-----				126	37	173	0			
30		-----				158	125	185	0			
31		-----		-----		-----	132	182	-----		-----	
TOTAL						475	6,434	1,873	2,006			
MEAN						15.8	208	60.4	66.9			
MAX						158	259	185	205			
MIN						0	0	0	0			
AC-FT						942	12,760	3,720	3,980			
SUMMARY 1990.--MAX		259	MIN	0	AC-FT	21,400						

REPUBLICAN RIVER BASIN

FRANKLIN PUMP CANAL from Republican River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1							0	0	0			
2							18	0	0			
3							30	0	0			
4							42	0	10			
5							47	0	19			
6							44	0	21			
7							44	0	22			
8							46	0	22			
9							45	0	21			
10							45	0	16			
11							43	0	4.0			
12							41	0	0			
13							39	0	0			
14							37	0	0			
15							37	0	0			
16							40	0	0			
17							41	0	0			
18							42	0	0			
19							43	0	0			
20							40	0	0			
21							39	0	0			
22							37	0	0			
23							36	0	0			
24							37	0	0			
25							24	0	0			
26							6.0	0	0			
27							0	0	0			
28							0	0	0			
29		-----					0	0	0			
30		-----					0	0	0			
31		-----		-----		-----	0	0	-----		-----	
TOTAL							943.0	0	135.0			
MEAN							30.4	0	4.50			
MAX							47	0	22			
MIN							0	0	0			
AC-FT							1,870	0	268			
SUMMARY 1990.--MAX		47	MIN	0	AC-FT	2,140						

# REPUBLICAN RIVER BASIN

COURTLAND CANAL from Republican River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	79	106	284	363	254			
2				0	78	104	314	411	254			
3				0	80	104	332	421	254			
4				0	86	105	278	416	254			
5				0	86	105	408	386	248			
6				0	86	106	491	377	245			
7				0	87	108	516	374	252			
8				0	86	109	513	361	293			
9				0	89	107	525	354	314			
10				0	125	106	536	358	314			
11				0	144	104	535	351	287			
12				0	142	103	524	339	229			
13				0	142	102	524	309	207			
14				0	143	98	523	303	192			
15				0	113	95	513	303	145			
16				0	91	99	512	298	126			
17				0	91	108	520	305	37			
18				0	90	103	513	293	0			
19				0	91	105	512	299	0			
20				0	91	106	512	290	0			
21				0	98	107	475	297	0			
22				0	107	107	447	296	0			
23				0	106	108	448	242	0			
24				0	106	107	446	205	0			
25				0	106	106	444	247	0			
26				0	105	108	455	279	0			
27				0	105	99	345	287	0			
28				0	104	128	258	301	0			
29		-----		0	102	187	256	322	0			
30		-----		33	104	266	279	326	0			
31		-----		-----	108	-----	312	280	-----		-----	
TOTAL				33	3,171	3,406	13,550	9,993	3,905			
MEAN				1.10	102	114	437	322	130			
MAX				33	144	266	536	421	314			
MIN				0	78	95	256	205	0			
AC-FT				65	6,290	6,760	26,880	19,820	7,750			
SUMMARY 1990.--MAX		536	MIN	0	AC-FT	67,550						

REPUBLICAN RIVER BASIN

SUPERIOR CANAL from Republican River - 1990

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

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	122	87	121			
2						0	133	87	120			
3						0	129	101	120			
4						0	132	103	111			
5						0	137	98	91			
6						0	138	101	62			
7						0	140	102	36			
8						0	142	102	9.0			
9						0	146	102	0			
10						0	142	103	0			
11						0	141	96	0			
12						0	139	73	0			
13						0	137	61	0			
14						0	141	48	0			
15						0	143	8.0	0			
16						0	142	0	0			
17						0	143	0	0			
18						0	138	0	0			
19						0	138	0	0			
20						0	140	0	0			
21						0	136	0	0			
22						0	129	0	0			
23						0	129	36	0			
24						0	127	54	0			
25						0	122	67	0			
26						0	117	76	0			
27						36	80	85	0			
28						76	66	94	0			
29		-----				80	65	110	0			
30		-----				99	63	119	0			
31		-----		-----		-----	80	120	-----		-----	
TOTAL						291	3,877	2,033.0	670.0			
MEAN						9.70	125	65.6	22.3			
MAX						99	146	120	121			
MIN						0	63	0	0			
AC-FT						577	7,690	4,030	1,330			

SUMMARY 1990.--MAX 146 MIN 0 AC-FT 13,630

**1991**

**HYDROGRAPHIC REPORT**



# WHITE RIVER BASIN

WHITE RIVER at Crawford - 1991

LOCATION.--W1/2 Sec. 3-31-52 W.

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. Calendar year summary values are for the whole year.  
 e = estimated discharge  
 a = missing gage height record

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										18	28	23 e
2										17	35	23 e
3										17	29	23 e
4										31	30	24
5										22	31	23
6										18	25	23
7										23	36	25
8										19	28	24
9										17	25	23
10										18	25	22
11										17	23	22
12										18	22	23
13										18	23	23
14										19	21	23 e
15										19	22	24 e
16										19	22	24 e
17										19	23	24 e
18										19	23	25 e
19										20	22	21 e
20										21	21	21 e
21										21	21	22 e
22										21	22	21 e
23										21	22	23 e
24										21	23 e	21 a
25										22	23 e	21 a
26										22	23	21 e
27										21	23	21 e
28										21	24	22 e
29		-----								22	23 e	22 e
30		-----								27	23 e	22 e
31		-----		-----		-----			-----	27	-----	23 e
TOTAL										635	741	702
MEAN										20.5	24.7	22.6
MAX										31	36	25
MIN										17	21	21
AC-FT										1,260	1,470	1,390
CALENDAR YEAR 1991.--TOTAL			11,760	MEAN	32.2	MAX	1080	MIN	13	AC-FT	23,330	

WHITE RIVER BASIN

WHITNEY RESERVOIR from White River - 1991

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

GAGE.--Staff gage

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

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

DAILY CONTENTS IN ACRE-FEET FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1												
2												
3												
4		7,495										
5			8,847			10,340						7,750
6												
7										5,882		
8							9,755					
9	6,445											
10												
11												
12												
13												
14												
15				10,385			9,755					
16												
17												
18			9,305									
19												
20												
21								7,406				
22												
23												
24												
25												
26								5,567				
27												
28												
29		-----		10,610								
30		-----		-----								
31		-----		-----		-----			-----		-----	

# N IOBRARA R IVER B ASIN

JOHNSON CANAL from Niobrara River - 1991

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.-- a = missing gage height record

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	.61a	1.9	0	0	0			
2				0	.61a	1.7	0	0	0			
3				0	.61a	1.7	0	0	0			
4				0	.65a	1.6	0	0	0			
5				0	.65a	1.5	0	0	0			
6				0	.70a	1.5	0	0	0			
7				0	.75a	1.4	0	0	0			
8				0	.77	1.1	0	0	0			
9				0	.74	.04	0	0	0			
10				0	.75	0	.11	0	0			
11				0	1.1	1.2	.27	0	0			
12				0	1.1	2.2	1.7	0	0			
13				0	.99	1.8	1.9	0	0			
14				0	.83	1.6	1.5	0	0			
15				0	.83a	1.5	1.0	0	0			
16				0	.83a	.43	0	0	0			
17				.76	.83a	0	0	0	0			
18				.81	.83a	.02	0	0	0			
19				.99	.83a	.05	0	0	0			
20				.96	.83a	.01	0	0	0			
21				1.3	1.2 a	.42	0	0	0			
22				1.2	1.2	.17	0	0	0			
23				1.2	1.1	0	0	0	0			
24				1.0	1.5	0	0	0	0			
25				.89	1.5	.01	0	0	0			
26				.92	1.3	.01	0	0	0			
27				.81	1.2	.03	0	0	0			
28				.73	2.8	.02	0	0	0			
29		-----		.64	2.7	.01	0	0	0			
30		-----		.61	2.4	0	0	0	0			
31		-----		-----	2.2	-----		0	-----		-----	
TOTAL				12.82	34.94	21.92	6.48	0	0			
MEAN				.43	1.13	.73	.22	0	0			
MAX				1.3	2.8	2.2	1.9	0	0			
MIN				0	.61	0	0	0	0			
AC-FT				25	69	43	13	0	0			

CALENDAR YEAR 1991.--MAX 2.8      MIN 0      AC-FT 151

## N I O B R A R A R I V E R B A S I N

LAKOTAH CANAL from Niobrara River - 1991

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.-- a = missing gage height record

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	3.6a	3.7a	2.5	1.5	1.2			
2				0	3.6a	3.5a	2.3	1.4	1.2			
3				0	3.6a	2.8a	2.0	1.3	1.3			
4				0	3.6a	2.7a	2.0	1.2	1.3			
5				0	3.6a	2.7	1.7	1.3	1.3			
6				0	3.6a	2.7	1.5	1.3	1.4			
7				0	3.6a	2.7	1.4	1.3	.70			
8				0	3.6	2.6	1.7	1.4	0			
9				0	3.5	2.4	1.8	2.0	0			
10				0	3.4	2.3	2.0	1.9	0			
11				0	4.6	2.2	2.0	1.6	0			
12				0	4.7	2.0	2.1	1.5	0			
13				1.5a	4.8	1.9	2.3	1.6	0			
14				2.0a	4.5	1.8	2.3	1.7	0			
15				2.5a	4.6a	1.8	2.1	1.7	0			
16				3.0	4.6a	2.1	1.8	1.7a	0			
17				3.6	4.6a	2.7	1.7	1.7a	0			
18				3.5	4.5a	2.7	2.1	1.7a	0			
19				4.3	4.5a	2.7	4.0	1.6a	0			
20				4.3	4.5a	2.4	3.9	1.5a	0			
21				5.0	4.4a	2.3	3.7	1.5	0			
22				5.3	4.4	2.7	3.4	1.5	0			
23				5.0	4.5	2.9	3.4a	1.6	0			
24				4.8	5.8	2.7	3.3a	1.7	0			
25				4.3	6.0	2.8	3.0a	1.6	0			
26				4.5	6.2	2.6	3.0a	1.7	0			
27				4.4	6.3	2.5	2.8a	1.5	0			
28				4.1	6.3a	2.4	2.5a	1.3	0			
29		-----		3.9	5.8a	2.2	2.3a	1.3	0			
30		-----		3.6	4.6a	2.5	2.0a	1.3	0			
31		-----		-----	3.5a	-----	1.7	1.3	-----		-----	
TOTAL				69.6	139.4	76.0	74.3	47.2	8.40			
MEAN				2.32	4.50	2.53	2.40	1.52	.28			
MAX				5.3	6.3	3.7	4.0	2.0	1.4			
MIN				0	3.4	1.8	1.4	1.2	0			
AC-FT				138	276	151	147	94	17			

CALENDAR YEAR 1991.--MAX 6.3 MIN 0 AC-FT 823

# N I O B R A R A R I V E R B A S I N

EARNEST CANAL (SOUTH) from Niobrara River - 1991

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

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		

CALENDAR YEAR 1991.--MAX            0            MIN            0            AC-FT            0

N I O B R A R A R I V E R B A S I N

EARNEST CANAL (NORTH) from Niobrara River - 1991

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 1991

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			

CALENDAR YEAR 1991.--MAX 0 MIN 0 AC-FT 0

# NIOBRARA RIVER BASIN

McGINLEY-STOVER CANAL from Niobrara River - 1991

LOCATION.--NE1/4SE1/4 Sec. 25-29-56 W. near Agate

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

PERIOD OF RECORD.--1956 - present

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

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			
CALENDAR YEAR 1991.--MAX		0	MIN	0	AC-FT	0						

N I O B R A R A R I V E R B A S I N

COOK CANAL NO. 1 from Niobrara River - 1991

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 1991

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		

CALENDAR YEAR 1991.--MAX 0 MIN 0 AC-FT 0



# NIOBRARA RIVER BASIN

NIOBRARA RIVER at Agate - 1991

LOCATION.--SW1/4 Sec. 6-28-55 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--Oct. 1957 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Calendar year summary values are for the whole year.  
a = missing gage height record

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										8.9	10	13 a
2										9.0	8.5	13 a
3										9.2	8.6	12
4										9.8	9.5	11
5										10	13	13
6										10	13	17
7										10	14	17
8										10	14	16
9										10	15	16
10										11	17	15
11										11	16	14
12										10	15	14
13										10	15	14
14										10	14	12
15										10	16	11
16										11	16	13
17										11	15	12
18										10	16	13
19										11	16	13
20										11	16	14
21										11	16	13
22										11	16	13 a
23										11	14	13 a
24										11	13	13 a
25										11	15	13 a
26										11	17	13 a
27										11	15	13 a
28										11	16	13 a
29		-----								8.8	16 a	13 a
30		-----								10	15 a	13 a
31		-----		-----		-----			-----	12	-----	13 a
TOTAL										321.7	430.6	416
MEAN										10.4	14.4	13.4
MAX										12	17	17
MIN										8.8	8.5	11
AC-FT										638	854	825
CALENDAR YEAR 1991.--TOTAL			5,148.6	MEAN	14.1	MAX	67	MIN	7.4	AC-FT	10,210	

## N I O B R A R A R I V E R B A S I N

HARRIS-NEECE CANAL from Niobrara River - 1991

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

REMARKS.-- E= Estimated Record

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	2.3	7.2	.08			
2					0	0	8.4	6.8	.01			
3					3.0 E	0	10	6.3	0			
4					5.0 E	0	9.5	6.4	0			
5					10 E	0	9.0	6.5	0			
6					11 E	0	8.8	6.5	0			
7					11	0	8.4	7.4	0			
8					11	0	7.5	8.2	0			
9					11	0	7.8	8.6	0			
10					10	0	8.9	8.6	0			
11					3.5	0	8.4	8.8	0			
12					3.1	0	3.3	10	0			
13					2.1	0	6.5	11	0			
14					.47	0	8.7	11	0			
15					.06	0	12	11	0			
16					1.8	0	5.8	11	0			
17					2.1	0	1.6	11	0			
18					2.0	0	1.1	11	0			
19					1.7	0	1.1	10	0			
20					1.2	0	1.0	9.9	0			
21					0	0	1.0	9.6	0			
22					0	0	2.9	9.3	0			
23					0	0	12	9.0	0			
24					0	0	12	8.5	0			
25					0	0	12	8.1	0			
26					0	0	11	8.0	0			
27					0	0	10	7.8	0			
28					0	2.8	9.4	8.0	0			
29		-----			0	2.9	8.6	8.3	0			
30		-----			0	2.7	8.0	8.7	0			
31		-----		-----	0	-----	7.6	8.0	-----		-----	
TOTAL					90.03	8.4	224.6	270.5	0.09			
MEAN					2.90	.28	7.25	8.73	.003			
MAX					11	2.9	12	11	.08			
MIN					0	0	1.0	6.3	0			
AC-FT					179	17	445	537	.2			

CALANDAR YEAR 1991.--MAX 12 MIN 0 AC-FT 1,180

# NIOBRARA RIVER BASIN

LABELLE CANAL from Niobrara River - 1991

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 = Estimated Record

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	0	0	0	0	0			
2				4.0 e	0	0	0	0	0			
3				4.0 e	0	0	0	0	0			
4				4.0 e	0	0	0	0	0			
5				4.0 e	0	0	0	0	0			
6				4.0 e	0	0	0	0	0			
7				4.0 e	0	0	0	0	0			
8				4.0 e	0	0	0	0	0			
9				4.0 e	0	0	0	0	0			
10				4.0 e	9.2e	0	0	0	0			
11				4.0 e	0	0	0	0	0			
12				4.0 e	0	0	0	0	0			
13				4.0 e	0	0	0	0	0			
14				3.5 e	0	0	0	0	0			
15				2.0 e	0	0	0	0	0			
16				.01e	0	0	0	0	0			
17				.01	0	0	0	0	0			
18				.01	0	0	0	0	0			
19				.02	0	0	0	0	0			
20				.03	0	0	0	0	0			
21				.18	0	0	0	0	0			
22				.14	0	0	0	0	0			
23				.06	0	0	0	0	0			
24				.01	0	0	0	0	0			
25				.04	0	0	0	0	0			
26				.11	0	0	0	0	0			
27				.35	0	0	0	0	0			
28				.26	0	0	0	0	0			
29		-----		.24	0	0	0	0	0			
30		-----		.24	0	0	0	0	0			
31		-----		-----	0	-----	0	0	-----		-----	
TOTAL				55.21	9.2	0	0	0	0			
MEAN				1.84	.30	0	0	0	0			
MAX				4.0	9.2	0	0	0	0			
MIN				0	0	0	0	0	0			
AC-FT				110	18	0	0	0	0			

CALENDAR YEAR 1991.--MAX 9.2 MIN 0 AC-FT 128

N I O B R A R A R I V E R B A S I N

METTLEN CANAL from Niobrara River - 1991

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

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	3.3	0		
4					0	0	0	0	2.8	0		
5					0	0	0	0	3.1	0		
6					0	0	0	0	3.3	0		
7					0	0	0	0	3.6	0		
8					0	0	0	0	3.9	0		
9					0	0	0	0	4.2	0		
10					0	0	0	0	4.3	0		
11					0	0	0	0	4.5	0		
12					0	0	0	0	4.5	0		
13					0	0	0	0	5.3	0		
14					0	0	0	0	6.3	0		
15					0	0	0	0	4.7	0		
16					0	0	0	0	4.9	0		
17					0	0	0	0	5.5	0		
18					0	0	0	0	2.6	0		
19					0	0	0	0	.34	0		
20					0	0	0	0	.32	0		
21					0	0	0	0	.27	0		
22					0	0	0	0	.20	0		
23					0	0	0	0	.12	0		
24					0	0	0	0	.05	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	68.10	0		
MEAN					0	0	0	0	2.27	0		
MAX					0	0	0	0	6.3	0		
MIN					0	0	0	0	0	0		
AC-FT					0	0	0	0	135	0		

CALENDAR YEAR 1991.--MAX 6.3 MIN 0 AC-FT 135

# N I O B R A R A R I V E R B A S I N

BENNETT-KAY CANAL from Niobrara River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	0	0	0	0		0
2					0	0	0	0	0	0		0
3					0	0	0	0	0	0		0
4					0	0	0	0	0	0		0
5					0	0	0	0	0	0		0
6					0	0	0	0	0	0		0
7					0	0	0	0	0	0		0
8					0	0	0	0	0	0		0
9					0	0	0	0	0	0		0
10					0	0	0	0	0	0		0
11					0	0	0	0	0	0		0
12					0	0	0	0	0	0		0
13					0	0	0	0	0	0		0
14					0	0	0	0	0	0		0
15					0	0	0	0	0	0		0
16					0	0	0	0	0	0		0
17					0	0	0	0	0	0		0
18					0	0	0	0	0	0		0
19					0	0	0	0	0	0		0
20					0	0	0	0	0	0		0
21					0	0	0	0	0	0		0
22					0	0	0	0	0	0		0
23					0	0	0	0	0	0		0
24					0	0	0	0	0	0		0
25					0	0	0	0	0	0		0
26					0	0	0	0	0	0		0
27					0	0	0	0	0	0		0
28					0	0	0	0	0	0		0
29		-----			0	0	0	0	0	0		0
30		-----			0	0	0	0	0	0		0
31		-----		-----	0	-----	0	0	-----	0	-----	0
TOTAL					0	0	0	0	0	0		0
MEAN					0	0	0	0	0	0		0
MAX					0	0	0	0	0	0		0
MIN					0	0	0	0	0	0		0
AC-FT					0	0	0	0	0	0		0
CALENDAR YEAR 1991.--MAX		0	MIN	0	AC-FT	0						

N I O B R A R A R I V E R B A S I N

MOORE - KAY CANAL from Niobrara River - 1991

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 1991

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			
CALENDAR YEAR 1991.--MAX	0		MIN	0	AC-FT	0						

# N I O B R A R A   R I V E R   B A S I N

GEO. HITSHEW CANAL from Niobrara river - 1991

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

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			
CALENDAR YEAR 1991.--MAX		0	MIN	0	AC-FT	0						

N I O B R A R A R I V E R B A S I N

McLAUGHLIN CANAL from Niobrara River - 1991

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

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			

CALENDAR YEAR 1991.--MAX 0 MIN 0 AC-FT 0



# N I O B R A R A R I V E R B A S I N

EXCELSIOR CANAL from Niobrara River - 1991

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

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		-----		-----	
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			
CALENDAR YEAR 1991.--MAX		0	MIN	0	AC-FT	0						

## N I O B R A R A R I V E R B A S I N

HUGHES CANAL from Niobrara River - 1991

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

REMARKS.-- a = No Gage Height Record

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	.51	0	0	0			
2					0	.57	0	0	0			
3					0	.50	0	0	0			
4					0	.47	0	0	0			
5					0	.51	0	0	0			
6					0	.61	0	0	0			
7					0	.64	0	0	0			
8					0	.63	0	0	0			
9					0	.65	0	0	0			
10					0	.64	0	0	0			
11					0	.57	0	0	0			
12					0	.47	0	0	0			
13					0	.36	0	0	0			
14					0	.36	0	0	0			
15					0	.36	0	0	0			
16					0	.28	0	0	0			
17					0	.24	0	0	0			
18					0	.22	0	0	0			
19					0	.14	0	0	0			
20					.30a	.06	0	0	0			
21					.50a	0	0	0	0			
22					.70a	0	0	0	0			
23					.81	0	0	0	0			
24					.74	0	0	0	0			
25					.73	0	0	0	0			
26					.70	0	0	0	0			
27					.65	0	0	0	0			
28					.61	0	0	0	0			
29		-----			.54	0	0	0	0			
30		-----			.48	0	0	0	0			
31		-----		-----	.47	-----	0	0	-----		-----	
TOTAL					7.23	8.79	0	0	0			
MEAN					.23	.29	0	0	0			
MAX					.81	.65	0	0	0			
MIN					0	0	0	0	0			
AC-FT					14	17	0	0	0			

CALENDAR YEAR 1991.--MAX .81 MIN 0 AC-FT 32

# N I O B R A R A R I V E R B A S I N

PIONEER CANAL from Niobrara River - 1991

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 1991

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			
CALENDAR YEAR 1991.--MAX	0		MIN	0	AC-FT	0						

## NIOBRARA RIVER BASIN

BOX BUTTE RESERVOIR from Niobrara River - 1991

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 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1							19,082	10,227				
2							18,238	9,821				
3							18,273					
4						17,113		9,491	6,162			
5						17,589		9,315				
6								9,102				
7	8,240	9,151					17,068	9,086				
8			10,580					9,013				
9					13,246		16,435	9,062		7,560	8,965	
10							15,981	8,941				
11								8,869	6,410			
12						18,429	15,427	8,734				
13							14,861	8,727				
14					14,809		14,705	8,742				
15							14,340	8,562				
16							13,818	8,347				
17				12,225	15,492		13,555					
18							12,794	8,240				
19						18,741	12,833	7,892				
20						18,753	12,637					
21		9,736					12,482	7,335				11,278
22			11,223				12,015	7,049		8,128	9,796	
23					16,413		11,817	6,928				11,370
24				12,647			11,903					
25	8,766						11,884	6,770		8,271	9,941	
26						18,887	11,630	6,562				
27								6,347				
28		10,130					11,491	6,360				
29		-----				19,058	11,085	6,009				
30	8,901	-----		12,960	17,011	19,058	10,491		7,170		10,270	
31		-----	11,566	-----	-----	-----	10,465	5,925	-----	8,531	-----	11,799

# NIOBRARA RIVER BASIN

NIOBRARA RIVER below Box Butte Reservoir - 1991

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. Calendar year summary values are for the whole year.  
e = estimated discharge

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										.85	.83	.93
2										.82	.84 e	.93
3										.87	.85	.95
4										.90	.89	.95
5										.86	.90	.95
6										.84	.90	.95
7										.84	.87	.96
8										.79	.87	.98
9										.78	.85	.98
10										.79	.86	.98
11										.80	.86	.98
12										.82	.87	.98
13										.82	.88	.98
14										.79	.87	.98
15										.76	.87	.98
16										.76	.85	.98
17										.77	.87	.98
18										.81	.86	.98
19										.80	.86	.98
20										.82	.87	.98
21										.80	.87	.98
22										.81	.87	.98
23										.81	.87	.98
24										.81	.87	.98
25										.80	.87	.97
26										.78	.88	.95
27										.81	.90	.98
28										.83	.93	.98
29		-----								.83	.93	.98
30		-----								.83	.93	.96
31		-----		-----		-----			-----	.80	-----	.95
TOTAL										25.20	26.24	30.05
MEAN										.81	.87	.97
MAX										.90	.93	.98
MIN										.76	.83	.93
AC-FT										50	52	60

CALENDAR YEAR 1991.--TOTAL      7012.88      MEAN      19.2      MAX      169      MIN      .67      AC-FT      13,910

N I O B R A R A R I V E R B A S I N

MONTAGUE CANAL from Niobrara River - 1991

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 1991

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		

CALENDAR YEAR 1991.--MAX 0 MIN 0 AC-FT 0

# N I O B R A R A R I V E R B A S I N

LICHTE CANAL from Niobrara River - 1991

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 1991

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	3.1			
8					0	0	0	0	5.2			
9					0	0	0	0	5.2			
10					0	0	0	0	5.1			
11					0	0	0	0	5.2			
12					1.5	0	0	0	4.4			
13					3.4	0	0	0	0			
14					3.4	0	0	0	0			
15					3.4	0	0	0	0			
16					1.2	0	0	0	0			
17					0	0	.67	0	0			
18					0	0	2.9	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					12.9	0	3.57	0	28.2			
MEAN					.42	0	.12	0	.94			
MAX					3.4	0	2.9	0	5.2			
MIN					0	0	0	0	0			
AC-FT					26	0	7.1	0	56			

CALENDAR YEAR 1991.--MAX 5.2 MIN 0 AC-FT 89

## N I O B R A R A R I V E R B A S I N

MIRAGE FLATS CANAL from Niobrara River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	0	120	0			
2					0	0	0	130	0			
3					0	0	36	121	0			
4					0	0	100	122	0			
5					0	0	131	124	0			
6					0	0	138	114	0			
7					0	0	141	98	0			
8					0	0	147	87	0			
9					0	0	156	69	0			
10					0	0	162	65	0			
11					0	0	165	64	0			
12					0	0	167	67	0			
13					0	0	161	56	0			
14					0	0	153	44	0			
15					0	0	160	60	0			
16					0	0	172	72	0			
17					0	0	157	58	0			
18					0	0	169	59	0			
19					0	0	159	84	0			
20					0	0	151	113	0			
21					0	0	139	112	0			
22					0	0	135	111	0			
23					0	0	144	102	0			
24					0	0	131	91	0			
25					0	0	110	90	0			
26					0	0	107	93	0			
27					0	0	97	99	0			
28					0	0	99	85	0			
29		-----			0	0	116	100	0			
30		-----			0	0	133	81	0			
31		-----		-----	0	-----	124	71	-----		-----	
TOTAL					0	0	3,960	2,762	0			
MEAN					0	0	128	89.1	0			
MAX					0	0	172	130	0			
MIN					0	0	0	44	0			
AC-FT					0	0	7,850	5,480	0			

CALENDAR YEAR 1991.--MAX 172 MIN 0 AC-FT 13,330



# N I O B R A R A   R I V E R   B A S I N

POTMESIL CANAL from Niobrara River - 1991

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 = Estimated Record

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	9.6	6.6	6.0 e			
2					0	0	10	7.0	5.0 e			
3					0	0	10	6.5	5.0 e			
4					0	0	9.4	6.5	5.0 e			
5					0	0	9.6	6.6	5.0			
6					0	0	9.0	6.3	5.2			
7					0	0	8.5	6.6	5.0 e			
8					0	0	8.2	6.9	4.0			
9					0	0	7.9	6.6	2.0 e			
10					0	0	8.0	6.9	2.1 e			
11					0	0	7.7	7.4	1.8			
12					0	.03	6.0	7.9	2.0			
13					0	.01	4.6	7.0	2.0			
14					0	0	5.3	7.2	1.7			
15					0	0	6.6	6.0	.14			
16					0	0	7.0	6.5	0			
17					0	0	7.2	5.3	0			
18					0	6.0	7.3	5.6	0			
19					0	8.2	7.0	7.4	0			
20					0	6.7	7.0	7.4ee	0			
21					0	5.9	6.8	5.0e	0			
22					0	5.8	6.5	5.0e	0			
23					0	6.8	6.8	5.0e	0			
24					0	9.1	6.6	0 e	0			
25					0	10	7.3	6.0e	0			
26					0	10	7.4	6.0e	0			
27					0	10	4.9	6.0e	0			
28					0	6.4	3.0	7.0e	0			
29		-----			0	1.1	4.7	7.0e	0			
30		-----			0	2.8	6.0	6.5e	0			
31		-----		-----	0	-----	6.7	6.5e	-----		-----	
TOTAL					0	88.84	222.6	194.2	51.94			
MEAN					0	2.96	7.18	6.26	1.73			
MAX					0	10	10	7.9	6.0			
MIN					0	0	3.0	0	0			
AC-FT					0	176	442	385	103			

CALENDAR YEAR 1991.--MAX      10      MIN      0      AC-FT      1,110

## NIOBRARA RIVER BASIN

NIOBRARA RIVER near Gordon - 1991

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. Calendar year summary values are for the whole year.

e = estimated discharge

a = missing gage height record

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										84	78 e	92
2										82	78 e	107
3										83	82 e	106 e
4										105	90 e	106 e
5										92	92 e	104 e
6										83	94 e	104 e
7										85	98 e	104 e
8										84 a	100 e	104 e
9										84 a	102 e	104 e
10										84 e	104 e	104 e
11										77	108 e	104
12										77	112	103
13										76	100	104
14										74	91	96 e
15										78	89	100 e
16										80	90	100 e
17										78	95	100 e
18										75	100	100 e
19										78	101	100 e
20										79	96	100 e
21										79	99	96 e
22										78	96	84 e
23										77	92	100 e
24										76	89	100 a
25										79	90	100 a
26										80	90	100 a
27										81	105	100 a
28										64 e	106	100 a
29		-----								62 e	96 e	100 a
30		-----								72 e	76 e	100 a
31		-----		-----		-----			-----	80 e	-----	100 a
TOTAL										2,466	2,839	3,122
MEAN										79.5	94.6	101
MAX										105	112	107
MIN										62	76	84
AC-FT										4,890	5,630	6,190
CALENDAR YEAR 1991.--TOTAL			36,157	MEAN	99.1	MAX	198	MIN	57	AC-FT	71,720	

# NIOBRARA RIVER BASIN

MERRITT RESERVOIR from Snake River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	68,831	68,831	68,831	72,480	74,199	75,075	74,199	49,281	33,862	42,011	56,739	69,110
2	68,560	68,831	68,831	72,766	74,486	75,075	73,340	48,659	33,711	42,564	56,970	69,110
3	68,831	68,831	68,831	73,053	74,486	75,075	72,480	48,038	33,408	42,932	57,211	69,389
4	68,831	68,831	68,831	73,053	74,781	75,075	71,620	47,029	33,257	43,493	57,452	69,110
5	68,831	68,831	68,831	73,340	74,781	75,075	71,062	46,611	33,112	44,067	57,935	69,110
6	68,831	68,831	68,831	73,340	74,781	75,075	70,266	46,213	33,112	44,642	58,666	68,831
7	68,831	69,110	68,831	73,626	74,781	75,075	69,389	45,615	33,112	45,025	59,414	68,831
8	68,831	69,110	68,831	73,626	74,781	75,075	68,831	45,217	33,112	45,615	59,912	68,831
9	68,831	69,110	68,831	73,913	75,075	75,075	68,017	45,217	33,257	46,014	60,411	68,831
10	68,831	69,110	68,831	73,913	75,075	75,370	67,203	45,217	33,408	46,412	60,909	68,831
11	68,831	69,110	68,831	73,913	75,075	75,370	66,388	45,025	33,711	46,611	61,679	68,831
12	68,831	69,110	68,831	74,199	75,075	75,370	65,853	45,025	34,014	47,209	62,193	68,831
13	68,831	68,831	68,831	74,199	75,075	75,370	65,061	44,642	34,316	47,623	62,706	68,831
14	68,831	68,831	68,831	74,486	75,075	75,370	64,268	44,259	34,770	48,245	63,219	68,831
15	68,831	68,831	68,831	74,486	74,781	74,781	63,476	43,876	35,085	48,659	63,740	68,560
16	68,831	68,831	68,831	74,781	74,781	74,486	62,706	43,301	35,400	49,281	64,268	68,560
17	68,831	68,831	68,831	74,781	74,781	74,486	61,679	42,785	35,872	49,928	64,797	68,560
18	69,110	69,110	68,831	74,781	74,781	74,486	60,909	42,195	36,187	50,359	65,061	68,831
19	69,110	69,110	68,831	74,781	75,075	74,486	59,912	41,642	36,672	50,790	65,325	68,831
20	68,831	69,110	69,668	74,781	75,075	74,486	58,915	41,104	37,163	51,221	65,589	68,831
21	68,831	69,110	70,226	75,075	75,075	74,486	57,935	40,395	37,654	51,661	66,117	68,831
22	68,831	69,110	70,504	75,075	75,075	74,486	57,211	39,863	37,982	52,109	66,388	68,560
23	68,831	69,110	70,783	75,075	75,075	74,486	56,246	39,175	38,323	52,558	66,660	68,560
24	68,831	69,110	70,783	75,075	75,075	74,486	55,307	38,493	38,834	53,006	66,931	68,560
25	68,831	68,831	71,062	75,075	74,781	74,486	54,609	37,982	39,175	53,230	67,203	68,831
26	68,831	68,831	71,341	74,781	74,781	74,486	53,678	37,491	39,686	53,678	67,745	68,831
27	68,831	68,831	71,620	74,781	74,781	74,486	53,006	36,672	40,218	54,376	68,017	68,831
28	68,831	68,831	71,907	74,486	74,781	74,486	52,333	35,872	40,749	54,842	68,288	68,831
29	68,831	-----	71,907	74,486	74,781	74,486	51,661	35,242	41,104	55,307	68,560	68,831
30	68,831	-----	72,193	74,199	74,781	74,199	50,790	34,619	41,642	55,772	68,831	68,831
31	68,831	-----	72,193	-----	75,075	-----	49,928	34,165	-----	56,246	-----	68,560
MAX	69,110	69,110	72,193	75,075	75,075	75,370	74,199	49,281	41,642	56,246	68,831	69,389
MIN	68,560	68,831	68,831	72,480	74,199	74,199	49,928	34,165	33,112	42,011	56,739	68,560
CHANGE	0	0	3,362	2,006	876	-876	-24,271	-15,763	7,477	14,604	12,585	-271

CALENDAR YEAR 1991.--MEAN    62,733    MAX    75,370    MIN    33,112

## N I O B R A R A R I V E R B A S I N

AINSWORTH CANAL from Merritt Reservoir - 1991

LOCATION.--NW1/4ME1/4 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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	58	391	525	325			
2					0	58	471	516	323			
3					0	58	501	478	292			
4					0	58	507	494	291			
5					0	59	523	548	272			
6					0	59	543	556	222			
7					0	59	555	525	173			
8					0	57	584	318	167			
9					0	56	596	257	142			
10					0	55	601	230	107			
11					0	59	594	258	82			
12					0	59	544	359	65			
13					0	60	530	443	55			
14					19	60	543	503	56			
15					111	59	587	495	44			
16					48	59	614	479	0			
17					44	61	622	432	0			
18					39	60	622	442	0			
19					37	65	619	477	0			
20					36	76	619	511	0			
21					78	69	616	521	0			
22					93	60	616	521	0			
23					69	59	604	508	0			
24					60	58	578	474	0			
25					60	64	565	470	0			
26					59	89	567	493	0			
27					59	136	555	533	0			
28					59	187	561	537	0			
29		-----			58	226	574	531	0			
30		-----			58	278	574	457	0			
31		-----		-----	57	-----	573	325	-----		-----	
TOTAL					1,044	2,421	17,549	14,216	2,616			
MEAN					33.7	80.7	566	459	87.2			
MAX					111	278	622	556	325			
MIN					0	55	391	230	0			
AC-FT					2,070	4,800	34,810	28,200	5,190			

CALENDAR YEAR 1991.--MAX 622 MIN 0 AC-FT 75,070

# NORTH PLATTE RIVER BASIN

FORT LARAMIE CANAL from North Platte River - 1991

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 United States Bureau of Reclamation

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	806	1,500	1,440			
2					0	0	975	1,500	1,420			
3					0	0	1,030	1,500	1,390			
4					0	0	1,120	1,500	1,370			
5					0	0	1,220	1,500	1,370			
6					0	0	1,340	1,500	1,370			
7					0	0	1,430	1,500	1,360			
8					0	0	1,490	1,500	1,360			
9					0	0	1,490	1,510	1,310			
10					0	0	1,500	1,510	1,260			
11					0	0	1,500	1,510	1,230			
12					0	109	1,500	1,510	1,210			
13					0	672	1,500	1,510	1,120			
14					0	587	1,500	1,510	1,050			
15					0	600	1,500	1,500	1,040			
16					0	529	1,510	1,500	986			
17					0	447	1,500	1,500	889			
18					0	399	1,500	1,490	717			
19					0	401	1,510	1,480	354			
20					0	401	1,500	1,480	51			
21					0	397	1,500	1,480	0			
22					0	397	1,500	1,480	0			
23					0	393	1,500	1,480	0			
24					0	424	1,500	1,480	0			
25					0	611	1,500	1,480	0			
26					0	774	1,480	1,480	0			
27					0	804	1,480	1,480	0			
28					0	602	1,480	1,480	0			
29		-----			0	772	1,480	1,450	0			
30		-----			0	814	1,480	1,450	0			
31		-----		-----	0	-----	1,500	1,450	-----		-----	
TOTAL					0	10,133	43,821	46,200	22,297			
MEAN					0	338	1,414	1,490	743			
MAX					0	814	1,510	1,510	1,440			
MIN					0	0	806	1,450	0			
AC-FT					0	20,100	86,920	91,640	44,230			

CALENDAR YEAR 1991.--MAX 1,510 MIN 0 AC-FT 242,900

## NORTH PLATTE RIVER BASIN

FORT LARAMIE CANAL from North Platte River @ Mile Post 85.3 - 1991

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 United States Bureau of Reclamation

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	348	608	583			
2					0	0	377	603	572			
3					0	0	416	603	561			
4					0	0	461	601	555			
5					0	0	533	605	544			
6					0	0	514	608	553			
7					0	0	561	614	555			
8					0	0	579	610	544			
9					0	0	612	605	540			
10					0	0	603	608	531			
11					0	0	610	612	517			
12					0	0	603	610	496			
13					0	0	596	610	483			
14					0	0	596	612	471			
15					0	83	592	608	429			
16					0	295	605	610	410			
17					0	273	608	608	414			
18					0	246	603	603	379			
19					0	207	612	605	341			
20					0	171	603	599	254			
21					0	200	608	596	189			
22					0	201	610	594	91			
23					0	197	612	596	61			
24					0	207	612	594	44			
25					0	209	614	594	0			
26					0	236	603	594	0			
27					0	307	605	590	0			
28					0	334	610	592	0			
29		-----			0	288	608	594	0			
30		-----			0	300	605	588	0			
31		-----		-----	0	-----	608	581	-----		-----	
TOTAL					0	3,754	17,727	18,655	10,117			
MEAN					0	125	572	602	337			
MAX					0	334	614	614	583			
MIN					0	0	348	581	0			
AC-FT					0	7,450	35,160	37,000	20,070			

CALENDAR YEAR 1991.--MAX 614 MIN 0 AC-FT 99,680

# NORTH PLATTE RIVER BASIN

INTERSTATE CANAL from North Platte River - 1991

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 United States Bureau of Reclamation

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	900	912	1,480	1,742	1,739	814		
2				0	889	682	1,496	1,742	1,745	759		
3				0	897	138	1,590	1,742	1,729	445		
4				0	881	0	1,779	1,745	1,676	0		
5				0	640	657	1,889	1,752	1,663	0		
6				0	190	948	1,906	1,749	1,623	0		
7				0	0	930	1,903	1,755	1,613	0		
8				0	0	930	1,954	1,752	1,574	0		
9				0	0	933	1,988	1,749	1,564	0		
10				0	0	933	1,995	1,749	1,451	0		
11				0	0	927	1,981	1,749	1,415	0		
12				0	0	921	1,940	1,782	1,419	0		
13				0	0	945	1,937	1,775	1,409	0		
14				0	0	942	1,893	1,775	1,358	0		
15				0	0	927	1,883	1,775	1,301	0		
16				0	0	942	1,809	1,772	1,250	0		
17				0	0	892	1,782	1,765	1,257	0		
18				0	0	838	1,789	1,759	1,260	0		
19				0	0	843	1,782	1,755	1,250	0		
20				0	0	846	1,782	1,755	1,250	0		
21				0	0	848	1,785	1,752	1,254	0		
22				0	0	862	1,795	1,749	1,257	0		
23				476	480	921	1,795	1,742	1,247	0		
24				725	725	1,026	1,762	1,749	1,179	0		
25				906	974	1,244	1,712	1,745	921	0		
26				862	942	1,358	1,679	1,745	800	0		
27				950	930	1,406	1,682	1,739	800	0		
28				950	933	1,419	1,672	1,742	803	0		
29		-----		921	933	1,428	1,682	1,735	798	0		
30		-----		906	927	1,512	1,699	1,735	798	0		
31		-----		-----	924	-----	1,739	1,735	-----	0	-----	
TOTAL				6,696	12,165	28,110	55,560	54,307	39,403	2,018		
MEAN				223	392	937	1,792	1,752	1,313	65.1		
MAX				950	974	1,512	1,995	1,782	1,745	814		
MIN				0	0	0	1,480	1,735	798	0		
AC-FT				13,282	24,129	55,756	110,203	107,718	78,156	4,003		

CALENDAR YEAR 1991.--MAX 1,995 MIN 0 AC-FT 393,247

## NORTH PLATTE RIVER BASIN

ALICE RESERVOIR from North Platte - 1991

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

GAGE.--Reference point

PERIOD OF RECORD.--1977 - present

REMARKS.--Values furnished by Pathfinder Irrigation District

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of conservation pool	4182.0	11,020
Top of dead storage pool	4059.0	0

Date	Contents (Acre-feet)
December 31, 1990 .....	0
January 31, 1991 .....	0
February 28, 1991 .....	0
March 31, 1991 .....	0
April 30, 1991 .....	2,320
May 31, 1991 .....	3,600
June 30, 1991 .....	6,130
July 31, 1991 .....	6,060
August 31, 1991 .....	1,600
September 30, 1991 .....	3,630
October 31, 1991 .....	0
November 30, 1991 .....	0
December 31, 1991 .....	0



# NORTH PLATTE RIVER BASIN

MINATARE RESERVOIR from North Platte - 1991

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

GAGE.--Staff gage

PERIOD OF RECORD.--1977 - present

REMARKS.--Values furnished by Pathfinder Irrigation District

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

Date	Contents (Acre-feet)
December 31, 1990 .....	17,290
January 31, 1991 .....	17,290
February 28, 1991 .....	17,020
March 31, 1991 .....	16,720
April 30, 1991 .....	17,930
May 31, 1991 .....	28,910
June 30, 1991 .....	50,020
July 31, 1991 .....	34,060
August 31, 1991 .....	17,630
September 30, 1991 .....	20,390
October 31, 1991 .....	27,990
November 30, 1991 .....	27,640
December 31, 1991 .....	27,280

## NORTH PLATTE RIVER BASIN

MITCHELL &amp; GERING CANAL from North Platte River - 1991

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.  
a = No Gage Height Record

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	120	188	276	267			
2					0	101	197	281	265			
3					0	119	247	279	261			
4					0	120	248	282	255			
5					0	120	248	301	237			
6					0	121	250	312	231			
7					0	62	301	311	222			
8					0	0	327	309	210			
9					0	0	325	312	211			
10					0	0	297	311	209			
11					0	0	299	313	194			
12					0	0	308	313	179			
13					0	0	318	313	181			
14					78	0	313	302	182			
15					109	0	311	298	181			
16					44	0	311	301	137			
17					69	0	311	302 a	119			
18					73	0	311	302 a	116			
19					73	0	313	304 a	116			
20					133	0	312	304 a	33			
21					154	0	305	300	0			
22					154	0	304	300	0			
23					154	0	302	303	0			
24					153	43	299	302	0			
25					157	129	298	304	0			
26					158	185	292	304	0			
27					159	184	293	298	0			
28					158	172	292	282	0			
29		-----			142	188	278	275	0			
30		-----			120	187	272	280	0			
31		-----		-----	121	-----	270	278	-----		-----	
TOTAL					2,209	1,851	8,940	9,252	3,806			
MEAN					71.3	61.7	288	298	127			
MAX					159	188	327	313	267			
MIN					0	0	188	275	0			
AC-FT					4,380	3,670	17,730	18,350	7,550			

CALENDAR YEAR 1991.--MAX 327 MIN 0 AC-FT 51,690

# NORTH PLATTE RIVER BASIN

GERING CANAL from North Platte River via Mitchell and Gering Canal - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	104	167	159			
2					0	0	118	174	152			
3					0	0	119	174	152			
4					0	0	109	168	151			
5					0	0	113	170	142			
6					0	0	104	167	131			
7					0	0	123	177	133			
8					0	0	168	167	133			
9					0	0	171	174	125			
10					0	0	167	177	133			
11					0	0	161	170	128			
12					0	0	166	174	105			
13					0	0	178	177	100			
14					0	0	187	178	101			
15					0	0	188	168	101			
16					0	0	184	168	111			
17					0	0	178	168	101			
18					0	0	174	168	100			
19					0	0	174	172	101			
20					0	0	178	175	27			
21					0	0	182	178	0			
22					0	0	175	174	0			
23					0	0	177	177	0			
24					0	0	178	179	0			
25					0	20	182	182	0			
26					0	106	172	178	0			
27					0	120	171	175	0			
28					0	149	170	166	0			
29		-----			0	101	171	159	0			
30		-----			0	99	166	157	0			
31		-----		-----	0	-----	166	159	-----		-----	
TOTAL					0	595	4,974	5,317	2,386			
MEAN					0	19.8	160	172	79.5			
MAX					0	149	188	182	159			
MIN					0	0	104	157	0			
AC-FT					0	1,180	9,870	10,550	4,730			

CALENDAR YEAR 1991.--MAX 188 MIN 0 AC-FT 26,330

## NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from North Platte River - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1916, 1919 - present

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

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	686	1,100	950			
2						0	815	1,100	941			
3						0	895	1,110	936			
4						0	976	1,120	929			
5						0	1,140	1,120	886			
6						0	1,170	1,120	864			
7						0	1,180	1,120	863			
8						0	1,250	1,110	863			
9						168	1,270	1,120	837			
10						412	1,220	1,060	799			
11						505	1,210	1,040	742			
12						500	1,190	1,030	668			
13						498	1,170	1,030	639			
14						506	1,150	1,020	607			
15						504	1,140	1,030	597			
16						498	1,130	1,030	589			
17						445	1,150	1,030	569			
18						426	1,170	1,030	540			
19						432	1,190	1,030	500			
20						439	1,190	1,020	485			
21						475	1,190	1,020	451			
22						493	1,180	1,010	326			
23						490	1,180	1,010	68			
24						499	1,180	1,010	0			
25						497	1,170	998	0			
26						484	1,140	978	0			
27						565	1,120	966	0			
28						632	1,100	961	0			
29		-----				714	1,090	960	0			
30		-----				646	1,080	963	0			
31		-----		-----		-----	1,090	960	-----		-----	
TOTAL						10,828	34,812	32,206	15,649			
MEAN						361	1,123	1,039	522			
MAX						714	1,270	1,120	950			
MIN						0	686	960	0			
AC-FT						21,480	69,050	63,880	31,040			

CALENDAR YEAR 1991.--MAX 1,270 MIN 0 AC-FT 185,400

# NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Sheep Creek - 1991

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 before 1986 available from the Bureau.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	34	48	58			
2					0	0	40	48	61			
3					0	0	38	48	61			
4					0	0	38	49	61			
5					0	0	37	50	61			
6					0	0	33	51	55			
7					0	0	30	54	54			
8					0	0	29	54	56			
9					0	0	35	51	56			
10					0	0	36	51	59			
11					0	0	37	52	57			
12					0	0	39	54	53			
13					0	0	40	56	61			
14					0	0	39	54	60			
15					0	0	38	56	51			
16					0	0	36	57	50			
17					0	0	36	58	52			
18					0	33	36	61	57			
19					0	42	38	61	58			
20					0	40	40	56	6.0			
21					0	40	41	55	0			
22					0	40	42	56	0			
23					0	39	44	56	0			
24					0	38	46	58	0			
25					0	30	50	59	0			
26					0	25	50	59	0			
27					0	28	50	59	0			
28					0	40	50	56	0			
29		-----			0	34	50	57	0			
30		-----			0	34	46	58	0			
31		-----		-----	0	-----	46	58	-----		-----	
TOTAL					0	463	1,244	1,700	1,087.0			
MEAN					0	15.4	40.1	54.8	36.2			
MAX					0	42	50	61	61			
MIN					0	0	29	48	0			
AC-FT					0	918	2,470	3,370	2,160			
CALENDAR YEAR 1991.--MAX		61		MIN	0	AC-FT	8,910					

## NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Akers Draw - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1986 - present

REMARKS.--Data for years prior to 1986 available from the U. S. Bureau of Reclamation

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					8.0	8.2	8.0	8.8	8.9			
2					8.0	8.2	8.0	8.8	8.8			
3					8.3	8.2	8.0	8.8	8.7			
4					8.3	8.0	8.2	8.9	9.7			
5					8.3	8.0	8.3	8.9	10			
6					8.3	8.0	7.9	9.0	9.4			
7					8.4	8.0	7.9	9.2	9.2			
8					7.9	7.8	7.8	9.1	9.4			
9					7.9	7.8	8.1	9.4	8.8			
10					7.9	7.0	7.9	9.2	6.9			
11					7.8	6.0	8.0	9.1	7.5			
12					8.0	5.8	8.6	9.1	7.6			
13					7.8	5.7	8.9	9.3	8.0			
14					7.7	5.9	9.5	9.0	9.3			
15					8.0	5.9	10	8.8	10			
16					8.3	6.4	9.0	8.6	10			
17					8.2	6.7	9.3	8.4	8.8			
18					8.3	6.8	9.5	8.2	8.7			
19					7.9	7.0	11	8.0	9.6			
20					7.5	7.4	11	7.8	10			
21					7.1	7.5	10	8.2	9.2			
22					7.0	7.7	10	8.6	9.1			
23					7.2	7.5	11	9.0	10			
24					7.5	8.0	11	9.3	11			
25					7.5	8.5	12	9.7	10			
26					7.5	7.9	11	10	10			
27					7.6	7.5	10	10	9.4			
28					8.2	15	9.6	9.8	9.4			
29		-----			9.0	8.8	9.1	9.6	10			
30		-----			9.9	8.5	8.5	9.4	11			
31		-----		-----	8.2	-----	8.7	9.1	-----		-----	
TOTAL					247.5	229.7	285.8	279.1	278.4			
MEAN					7.98	7.66	9.22	9.00	9.28			
MAX					9.9	15	12	10	11			
MIN					7.0	5.7	7.8	7.8	6.9			
AC-FT					491	456	567	554	552			

CALENDAR YEAR 1991.--MAX 15 MIN 5.7 AC-FT 2,620

# NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Dry Spottedtail Creek - 1991

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 before 1986 available from the bureau.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	5.0	14	19			
2					0	0	6.0	16	18			
3					0	0	6.0	15	19			
4					0	0	6.0	15	20			
5					0	0	7.0	16	19			
6					0	0	8.0	17	18			
7					0	0	8.0	19	17			
8					0	0	8.0	18	17			
9					0	0	14	17	18			
10					0	0	10	17	18			
11					0	0	9.0	17	18			
12					0	0	8.0	20	18			
13					0	0	9.0	17	27			
14					0	0	12	17	20			
15					0	0	12	16	19			
16					0	0	14	17	20			
17					0	3.0	13	17	22			
18					0	3.0	15	17	22			
19					0	4.0	17	17	23			
20					0	4.0	19	18	6.0			
21					0	4.0	15	19	5.0			
22					0	4.0	16	18	0			
23					0	4.0	15	18	0			
24					0	4.0	16	18	0			
25					0	4.0	16	18	0			
26					0	5.0	14	18	0			
27					0	5.0	14	18	0			
28					0	25	17	15	0			
29		-----			0	6.0	27	16	0			
30		-----			0	5.0	27	16	0			
31		-----		-----	0	-----	14	19	-----		-----	
TOTAL					0	80.0	397.0	530	383.0			
MEAN					0	2.67	12.8	17.1	12.8			
MAX					0	25	27	20	27			
MIN					0	0	5.0	14	0			
AC-FT					0	159	787	1,050	760			
CALENDAR YEAR 1991.--MAX		27	MIN	0	AC-FT	2,760						

NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Wet Spottedtail Creek - 1991

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 before 1986 available from the bureau.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					21	5.0	8.0	23	17			
2					21	5.0	7.0	24	17			
3					21	5.0	6.0	23	10			
4					22	5.0	6.0	25	2.0			
5					22	15	6.0	25	2.0			
6					22	16	6.0	20	10			
7					22	5.0	6.0	24	21			
8					23	5.0	9.0	15	23			
9					22	5.0	29	13	21			
10					23	4.0	11	10	2.0			
11					23	4.0	9.0	12	24			
12					22	4.0	9.0	16	23			
13					21	4.0	9.0	12	38			
14					21	4.0	9.0	11	31			
15					25	4.0	9.0	12	20			
16					0	4.0	9.0	12	20			
17					0	4.0	7.0	16	25			
18					0	8.0	6.0	16	27			
19					0	9.0	9.0	15	28			
20					12	8.0	8.0	15	20			
21					9.0	8.0	7.0	17	3.0			
22					8.0	8.0	6.0	19	33			
23					8.0	9.0	8.0	18	33			
24					10	8.0	9.0	17	20			
25					7.0	8.0	9.0	15	28			
26					6.0	7.0	9.0	15	27			
27					7.0	7.0	9.0	15	28			
28					1.0	36	9.0	13	21			
29		-----			7.0	9.0	9.0	14	19			
30		-----			14	9.0	9.0	16	20			
31		-----		-----	12	-----	11	19	-----		-----	
TOTAL					432.0	232.0	273.0	517	613.0			
MEAN					13.9	7.73	8.81	16.7	20.4			
MAX					25	36	29	25	38			
MIN					0	4.0	6.0	10	2.0			
AC-FT					857	460	541	1,030	1,220			

CALENDAR YEAR 1991.--MAX 38 MIN 0 AC-FT 4,100



# NORTH PLATTE RIVER BASIN

TRI-STATE CANAL from Tub Springs - 1991

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 before 1986 available from the bureau.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	14	20	32			
2					0	0	16	26	31			
3					0	0	16	26	31			
4					0	0	16	27	31			
5					0	0	17	28	31			
6					0	0	19	33	32			
7					0	0	19	32	33			
8					0	0	20	32	33			
9					0	0	31	32	34			
10					0	0	25	32	35			
11					0	0	21	34	34			
12					0	0	21	38	33			
13					0	0	22	35	33			
14					0	0	25	33	32			
15					4.0	0	25	30	33			
16					93	0	20	30	33			
17					52	21	27	34	32			
18					35	11	27	34	33			
19					25	9.0	27	33	35			
20					17	0	27	35	8.0			
21					12	10	25	32	0			
22					8.0	10	27	33	0			
23					5.0	10	32	37	0			
24					4.0	10	33	36	0			
25					0	10	33	33	0			
26					0	10	38	34	0			
27					0	13	33	34	0			
28					0	17	31	31	0			
29		-----			0	14	29	31	0			
30		-----			0	13	32	31	0			
31		-----		-----	0	-----	31	31	-----		-----	
TOTAL					255.0	158.0	779	987	629.0			
MEAN					8.23	5.27	25.1	31.8	21.0			
MAX					93	21	38	38	35			
MIN					0	0	14	20	0			
AC-FT					506	313	1,550	1,960	1,250			

CALENDAR YEAR 1991.--MAX 93 MIN 0 AC-FT 5,570

## NORTH PLATTE RIVER BASIN

NORTHPORT CANAL from North Platte River via Tri-State Canal - 1991

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 prior to 1985 were adjusted by Tri-State Canal losses and contributions from drains.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	246	255	227			
2					0	0	200	252	223			
3					0	0	218	255	218			
4					0	0	259	259	218			
5					0	0	262	265	206			
6					0	0	258	265	204			
7					0	0	256	262	212			
8					0	0	261	262	211			
9					0	0	265	251	206			
10					0	0	256	256	211			
11					0	0	262	266	182			
12					0	0	265	263	175			
13					0	0	262	262	172			
14					0	0	263	251	161			
15					0	0	266	252	161			
16					0	0	263	258	158			
17					0	105	259	259	154			
18					0	125	253	262	159			
19					0	119	263	262	143			
20					0	120	272	256	139			
21					0	121	269	253	137			
22					0	117	263	252	122			
23					0	118	268	252	31			
24					0	130	269	256	0			
25					0	123	266	248	0			
26					0	122	268	244	0			
27					0	141	266	235	0			
28					0	153	265	226	0			
29		-----			0	157	266	226	0			
30		-----			0	204	261	228	0			
31		-----		-----	0	-----	259	226	-----		-----	
TOTAL					0	1,855	8,029	7,819	4,030			
MEAN					0	61.8	259	252	134			
MAX					0	204	272	266	227			
MIN					0	0	200	226	0			
AC-FT					0	3,680	15,930	15,510	7,990			
CALENDAR YEAR 1991.--MAX		272	MIN	0	AC-FT	43,110						

# NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER passing Tri-State Dam - 1991

LOCATION.--NW1/4NE1/4 Sec. 10-23-58 W. near Henry

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1947 - 1964, 1967 - present

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					123	299	3.4	68	48			
2					131	855	3.4	70	48			
3					145	971	3.7	56	72			
4					152	376	3.8	93	86			
5					148	321	4.5	163	71			
6					145	427	15	105	51			
7					137	644	49	109	30			
8					139	2,200	51	79	28			
9					140	2,680	89	55	24			
10					142	2,810	36	75	18			
11					151	3,110	57	77	72			
12					148	2,790	56	91	83			
13					123	1,780	67	106	77			
14					57	905	70	83	67			
15					97	768	64	96	26			
16					395	469	50	104	35			
17					222	271	79	68	23			
18					172	169	77	58	8.3			
19					201	106	101	52	8.3			
20					150	84	146	64	183			
21					129	48	155	45	295			
22					133	28	157	18	401			
23					149	21	133	16	785			
24					205	12	127	27	894			
25					181	3.3	167	36	883			
26					187	3.1	193	63	804			
27					188	11	130	45	771			
28					154	316	67	36	769			
29		-----			185	48	85	46	780			
30		-----			349	3.9	81	47	741			
31		-----		-----	295	-----	48	49	-----		-----	
TOTAL					5,273	22,529.3	2,368.8	2,100	8,181.6			
MEAN					170	751	76.4	67.7	273			
MAX					395	3,110	193	163	894			
MIN					57	3.1	3.4	16	8.3			
AC-FT					10,460	44,690	4,700	4,170	16,230			

CALENDAR YEAR 1991.--MAX 3,110 MIN 3.1 AC-FT 80,240

NORTH PLATTE RIVER BASIN

RAMSHORN CANAL from North Platte River -1991

LOCATION.--NW1/4NE1/4 Sec. 19-23-57 W. near Henry

GAGE.--Continuous stage recorder and weir

PERIOD OF RECORD.--1919 - present

NO WATER DIVERTED IN 1991

# NORTH PLATTE RIVER BASIN

SHEEP CREEK near Morrill - 1991

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. Calendar year summary values are for the whole year.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										88	79	69
2										85	79	69
3										84	79	69
4										90	80	69
5										89	81	69
6										88	82	70
7										87	80	70
8										87	80	70
9										85	79	71
10										83	78	71
11										83	77	71
12										83	77	71
13										82	77	71
14										82	77	71
15										83	76	72
16										82	76	72
17										81	77	71
18										82	74	71
19										82	73	72
20										82	73	72
21										82	74	71
22										82	74	71
23										81	72	71
24										81	73	71
25										81	73	71
26										80	73	71
27										80	73	71
28										80	72	71
29		-----								80	71	71
30		-----								80	69	71
31		-----		-----		-----			-----	80	-----	71
TOTAL										2,575	2,278	2,192
MEAN										83.1	75.9	70.7
MAX										90	82	72
MIN										80	69	69
AC-FT										5,110	4,520	4,350
CALENDAR YEAR 1991.--TOTAL		17,800.9		MEAN	48.7	MAX	90	MIN	6.3	AC-FT	35,310	

## NORTH PLATTE RIVER BASIN

AKERS DRAW near Morrill - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1972 - present

REMARKS.--e = estimated discharge

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1991, 69 cubic feet per second, gage height 3.02 feet on June 28.  
Minimum daily discharge, 5.7 cubic feet per second on June 13.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	8.8	10	10	8.3	8.0	8.2e	8.0	8.8	8.9	9.0	10	8.6
2	8.8	9.5	10	8.1	8.0	8.2e	8.0	8.8	8.8	8.1	10	8.4
3	9.0	9.6	10	8.3	8.3	8.2e	8.0	8.8	8.7	7.8	9.9	7.9
4	9.2	9.8	9.6	8.6	8.3	8.0e	8.2	8.9	9.7	8.0	9.6	8.1
5	9.4	9.8	9.8	8.5	8.3	8.0e	8.3	8.9	10	8.7	9.2	8.3
6	9.3	9.7	9.8	8.9	8.3	8.0e	7.9	9.0	9.4	8.8	9.3	8.1
7	8.8E	9.5	9.7	9.4	8.4	8.0e	7.9	9.2	9.2	8.4	9.3	8.1
8	8.6E	9.4	10	9.1	7.9	7.8e	7.8	9.1	9.4	8.3	9.5	8.3
9	8.8	9.4	9.9	8.0	7.9	7.8e	8.1	9.4	8.8	8.5	9.3	8.1
10	8.9	9.4	9.7	7.1	7.9	7.0e	7.9	9.2	6.9	8.7	9.7	8.1
11	9.1	9.4	10	7.6	7.8	6.0e	8.0	9.1	7.5	9.0	9.6	8.0
12	8.8	9.4	10	7.5	8.0	5.8e	8.6	9.1	7.6	9.4	9.3	7.9
13	9.3	9.1	9.9	7.5	7.8	5.7	8.9	9.3	8.0	9.6	8.8	8.3
14	9.4	9.1	9.8	7.9	7.7	5.9	9.5	9.0	9.3	9.2	9.0	8.6
15	9.4	9.3	9.8	7.7	8.0	5.9	10	8.8	10	9.4	9.4	8.7
16	9.2	9.4	9.9	7.7	8.3	6.4	9.0	8.6	10	9.5	9.6	8.4
17	9.1	9.4	9.7	7.7	8.2	6.7	9.3	8.4	8.8	9.5	9.5	7.6
18	9.2	9.5	9.4	8.1	8.3	6.8	9.5	8.2	8.7	9.6	9.9	7.5
19	9.4	9.5	9.4	8.3	7.9	7.0	11	8.0	9.6	9.7	9.1	7.9
20	9.2	9.5	9.3	8.4	7.5	7.4	11	7.8	10	9.8	9.3	8.0
21	9.3	9.6	8.7	8.5	7.1	7.5	10	8.2	9.2	10	9.0	7.9
22	9.4	9.7	8.8	8.0	7.0	7.7	10	8.6	9.1	9.6	9.0	8.4
23	9.4	9.9	8.7	7.7	7.2	7.5	11	9.0	10	9.6	9.1	8.4
24	9.6	9.7	8.4	7.6	7.5	8.0	11	9.3	11	9.8	9.3	8.4
25	9.4	9.8	8.4e	7.6	7.5	8.5	12	9.7	10	9.8	9.0	8.4
26	9.5	10	8.4e	7.5	7.5	7.9	11 e	10	10	9.7	8.5	8.9
27	9.7	10	8.3e	7.8	7.6	7.5	10	10	9.4	9.9	8.6	8.9
28	9.7	10	8.3e	7.8E	8.2	15	9.6	9.8	9.4	9.6	8.5	8.4
29	9.7	-----	8.3e	7.9E	9.0e	8.8	9.1	9.6	10	9.4	8.6	8.4
30	9.7	-----	8.3e	7.9E	9.9	8.5	8.5	9.4	11	9.7	8.3	8.5
31	9.8	-----	8.3e	-----	8.2e	-----	8.7	9.1	-----	10	-----	8.2
TOTAL	286.9	268.4	288.6	241.0	247.5	229.7	285.8	279.1	278.4	286.1	277.2	255.7
MEAN	9.25	9.59	9.31	8.03	7.98	7.66	9.22	9.00	9.28	9.23	9.24	8.25
MAX	9.8	10	10	9.4	9.9	15	12	10	11	10	10	8.9
MIN	8.6	9.1	8.3	7.1	7.0	5.7	7.8	7.8	6.9	7.8	8.3	7.5
AC-FT	569	532	572	478	491	456	567	554	552	567	550	507
CALENDAR YEAR 1991	TOTAL	3,224.4	MEAN	8.83	MAX	15	MIN	5.7	AC-FT	6,400		

# NORTH PLATTE RIVER BASIN

ENTERPRISE CANAL from North Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	64	56	87	105	98			
2				0	64	66	85	110	96			
3				0	65	50	87	104	102			
4				0	65	48	90	107	103			
5				0	64	53	90	103	103			
6				0	62	56	92	101	102			
7				0	63	56	97	101	99			
8				0	63	50	101	104	100			
9				0	63	53	104	103	101			
10				0	62	54	100	103	101			
11				0	61	60	100	105	105			
12				0	62	62	100	106	111			
13				0	62	60	100	108	100			
14				0	60	50	98	103	93			
15				0	54	48	100	103	93			
16				0	71	45	101	103	92			
17				0	56	47	106	101	92			
18				0	57	54	108	100	91			
19				0	56	55	109	99	91			
20				0	53	56	112	100	91			
21				0		62	112	99	99			
22				0	52	63	102	94	87			
23				0	50	63	103	93	77			
24				0	51	65	106	95	74			
25				0	54	73	110	102	72			
26				0	53	75	107	103	71			
27				0	53	84	104	100	71			
28				0	52	89	99	95	71			
29		-----		33	54	86	98	96	71			
30		-----		63	55	86	100	99	29			
31		-----		-----	58	-----	104	100	-----		-----	
TOTAL				96	1,759	1,825	3,112	3,145	2,686			
MEAN				3.20	58.6	60.8	100	101	89.5			
MAX				63	71	89	112	110	111			
MIN				0	50	45	85	93	29			
AC-FT				190	3,490	3,620	6,170	6,240	5,330			

CALENDAR YEAR 1991.--MAX 112 MIN 0 AC-FT 25,040

## NORTH PLATTE RIVER BASIN

ENTERPRISE CANAL from Morrill Drain - 1991

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

GAGE.--Staff gage

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

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	0	2.6	3.5			
2					0	0	.07	2.6	3.5			
3					0	0	.14	2.5	3.5			
4					0	0	.21	2.4	3.6			
5					0	0	.28	2.3	3.6			
6					0	0	.36	2.2	3.6			
7					0	0	.43	2.2	3.6			
8					0	0	.50	2.1	3.7			
9					0	0	.57	2.0	3.7			
10					0	0	.64	1.9	3.7			
11					0	0	.71	1.8	3.7			
12					0	0	.78	1.8	3.8			
13					0	0	.85	1.7	3.7			
14					0	0	.92	1.6	3.6			
15					0	0	.99	1.5	3.4			
16					0	0	1.1	1.8	3.3			
17					0	0	1.1	2.1	3.2			
18					0	0	1.2	2.4	3.1			
19					0	0	1.3	2.7	3.0			
20					0	0	1.4	3.0	2.9			
21					0	0	1.5	3.3	2.8			
22					0	0	1.6	3.5	2.7			
23					0	0	1.7	3.5	2.6			
24					0	0	1.8	3.5	2.5			
25					0	0	1.9	3.5	2.5			
26					0	0	2.0	3.5	2.4			
27					0	0	2.1	3.5	2.4			
28					0	0	2.2	3.5	2.4			
29		-----			0	0	2.3	3.4	2.3			
30		-----			0	0	2.4	3.5	2.3			
31		-----		-----	0	-----	2.5	3.5	-----		-----	
TOTAL					0	0	35.55	81.4	94.6			
MEAN					0	0	1.15	2.63	3.15			
MAX					0	0	2.5	3.5	3.8			
MIN					0	0	0	1.5	2.3			
AC-FT					0	0	71	161	188			

CALENDAR YEAR 1991.--MAX 3.8 MIN 0 AC-FT 420



NORTH PLATTE RIVER BASIN

ENTERPRISE CANAL from Dry Spottedtail Creek - 1991

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

GAGE.--Staff gage

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

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1992

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

-----  
NO WATER DIVERTED THIS YEAR

## NORTH PLATTE RIVER BASIN

ENTERPRISE CANAL from Winters Creek - 1991

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

GAGE.--Staff gage

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

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1					0	0	.07	2.5	0			
2					0	.50	.07	2.4	0			
3					0	.75	.07	2.3	0			
4					0	1.0	.71	2.1	0			
5					0	1.3	.08	2.0	0			
6					0	1.3	.08	1.9	0			
7					0	1.4	.08	1.8	0			
8					0	1.4	.09	1.6	0			
9					0	1.5	.09	1.5	0			
10					0	1.6	.94	1.6	0			
11					0	1.6	.98	1.6	0			
12					0	1.7	1.0	1.6	0			
13					0	1.7	1.1	1.6	0			
14					0	1.8	1.1	1.7	0			
15					0	1.9	1.1	1.7	0			
16					0	1.9	1.2	1.5	0			
17					0	2.0	1.2	1.2	0			
18					0	2.1	1.3	1.0	0			
19					0	1.9	1.4	.07	0			
20					0	1.8	1.5	0	0			
21					0	1.7	1.6	0	0			
22					0	1.5	1.7	0	0			
23					0	1.4	1.7	0	0			
24					0	1.3	1.8	0	0			
25					0	1.1	1.9	0	0			
26					0	.98	2.0	0	0			
27					0	.85	2.1	0	0			
28					0	.08	2.2	0	0			
29		-----			0	.08	2.3	0	0			
30		-----			0	.08	2.3	0	0			
31		-----		-----	0	-----	2.4	0	-----		-----	
TOTAL					0	38.22	36.16	31.67	0			
MEAN					0	1.27	1.17	1.02	0			
MAX					0	2.1	2.4	2.5	0			
MIN					0	0	.07	0	0			
AC-FT					0	76	72	63	0			

CALENDAR YEAR 1991.--MAX 2.5 MIN 0 AC-FT 210

# NORTH PLATTE RIVER BASIN

227

DRY SPOTTEDTAIL CREEK at Mitchell - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1948 - present

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1991, 1740 cubic feet per second on June 5 at gage height 6.80 feet.  
Minimum daily discharge, 9.6 cubic feet per second on April 7 - 9.

REMARKS.--e = estimated discharge  
a = days with missing gage height record

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	19a	14	21	18	19	19	31	51	68	49	29	27
2	19a	13	20	12	20	18	28	52	64	42	31	27
3	19a	14	19	11	18	18	32	51	59	42	32	27
4	19a	14	18	11	20	23	39	53	60	48	36	27
5	19a	16	18	11	21	125e	43	60	58	44	40	27
6	19a	17	19	10	20	143	54	65	53	44	37	26
7	20a	16	19	9.6	24	28	55	89	57	44	35	26
8	20a	17	18	9.6	19	19	59	68	60	46	36	26
9	20a	24	18	9.6	22	16	76	67	63	44	35	26
10	20a	23	18	9.7	23	25	80	64	60	41	34	26
11	19a	22	18	10	24	67	78	63	64	42	34	26
12	18a	22	15	11	25	44	71	75	61	41	33	25
13	18a	21	13	11	26	42	69	64	90	39	33	26
14	18a	21	13	11	17	35	80	62	88	40	32	26
15	17a	21	13	11	35	33	75	63	80	38	32	26
16	17a	20	14	11	70	30	66	61	72	37	32	26
17	16a	21	16	11	21	30	65	61	63	36	33	26
18	16a	21	15	12	17E	28	62	74	62	36	31	25
19	15a	20	16	14	16E	27	68	67	68	37	31	25
20	15	20	15	14	16	29	71	64	80	37	30	25
21	16	21	14	14	16	32	71	62	84	36	30	24
22	15	21	15	14	16	47	69	58	94	34	29	24
23	14	19	15	13	15	49	71	56	82	34	29	24
24	13	20	15	14	16	42	78	56	66	34	29	24
25	15	21	15	12	24	34	73	59	76	34	28	23
26	14	21	16	11	15	36	67	61	87	33	30	23
27	14	21	16	11	17	41	65	58	76	32	29	23
28	14	23	16	11	19	252	67	60	64	31	29	23
29	13	-----	17	29	29	67	61	62	64	34	28	23
30	14	-----	17	37	50	35	58	60	59	33	27	23
31	13	-----	17	-----	45	-----	52	63	-----	32	-----	24
TOTAL	518	544	509	393.5	735	1,434	1,934	1,929	2,082	1,194	954	779
MEAN	16.7	19.4	16.4	13.1	23.7	47.8	62.4	62.2	69.4	38.5	31.8	25.1
MAX	20	24	21	37	70	252	80	89	94	49	40	27
MIN	13	13	13	9.6	15	16	28	51	53	31	27	23
AC-FT	1,030	1,080	1,010	781	1,460	2,840	3,840	3,830	4,130	2,370	1,890	1,550
CALENDAR YEAR 1991	TOTAL	13,005.5	MEAN	35.6	MAX	252	MIN	9.6	AC-FT	25,800		

## NORTH PLATTE RIVER BASIN

TUB SPRINGS near Scottsbluff - 1991

LOCATION.--SW1/4SW1/4 Sec. 33-23-55 W.

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 931 cubic feet per second on May 15, gage height 3.87 feet.  
Minimum daily discharge 16 cubic feet per second, April 29.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	25	22	23	22	34	44	43	26	24	40	36	31
2	25	22	22	22	25	52	43	25	28	39	36	31
3	25	23	22	22	30	52	36	27	28	42	36	31
4	25	23	22	22	31	47	33	29	29	42	36	32
5	25	23	22	21	30	72	27	29	28	41	38	32
6	26	22	22	21	29	53	20	26	31	41	38	32
7	25	22	23	21	34	55	17	28	30	40	37	32
8	25	23	22	22	36	51	18	27	29	39	38	31
9	23	23	23	22	31	45	71	26	29	38	38	30
10	24	23	23	22	29	47	39	26	31	38	38	30
11	25	23	23	22	27	48	30	24	41	37	38	30
12	25	23	23	23	25	55	28	29	45	36	37	30
13	25	22	22	23	25	55	27	24	46	36	37	30
14	25	22	22	23	25	51	24	23	45	36	36	29
15	25	22	23	22	112	49	23	23	47	36	36	30
16	25	22	23	21	77	45	21	20	45	36	36	29
17	25	22	23	21	38	38	22	24	56	35	35	29
18	25	22	23	22	37	40	21	26	64	34	35	29
19	25	22	23	23	33	43	25	24	70	35	33	29
20	25	22	22	22	30	41	25	26	88	35	34	29
21	25	22	21	22	28	43	24	26	105	35	34	29
22	24	22	21	21	26	47	25	23	105	35	33	28
23	23	22	21	20	27	47	28	24	98	35	32	28
24	23	22	21	19	49	44	32	24	84	35	31	28
25	23	22	21	19	37	42	33	25	78	35	31	27
26	23	22	21	18	33	43	33	28	68	36	31	27
27	23	22	22	17	33	33	33	25	66	36	31	27
28	24	23	22	17	38	51	30	23	56	35	31	27
29	23	-----	21	16	40	41	25	24	57	35	32	27
30	23	-----	21	26	42	42	26	25	63	36	31	27
31	22	-----	22	-----	53	-----	28	25	-----	36	-----	28
TOTAL	754	625	685	634	1,144	1,416	910	784	1,614	1,145	1,045	909
MEAN	24.3	22.3	22.1	21.1	36.9	47.2	29.4	25.3	53.8	36.9	34.8	29.3
MAX	26	23	23	26	112	72	71	29	105	42	38	32
MIN	22	22	21	16	25	33	17	20	24	34	31	27
AC-FT	1,500	1,240	1,360	1,260	2,270	2,810	1,800	1,560	3,200	2,270	2,070	1,800

YEAR 1991 TOTAL 11,665 MEAN 32.0 MAX 112 MIN 16 AC-FT 23,140

# NORTH PLATTE RIVER BASIN

WINTERS CREEK CANAL from North Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	8.3	12	23	28			
2					0	8.5	14	24	31			
3					0	8.5	15	24	32			
4					0	7.8	14	24	31			
5					25	7.4	19	26	30			
6					25	6.5	21	27	26			
7					26	5.9	21	28	25			
8					25	5.7	22	27	24			
9					11	5.7	24	27	24			
10					11	5.5	26	26	24			
11					12	5.3	24	26	25			
12					12	5.2	24	28	26			
13					12	5.1	24	29	29			
14					12	4.5	24	29	28			
15					12	4.4	25	28	28			
16					8.8	4.1	25	27	27			
17					6.0	4.2	26	26	26			
18					3.8	7.8	26	25	26			
19					2.8	9.9	24	23	25			
20					2.5	9.9	24	22	22			
21					2.9	9.8	24	23	20			
22					3.1	9.6	24	22	21			
23					3.1	9.4	24	21	19			
24					2.9	8.9	25	20	15			
25					2.9	9.1	26	22	15			
26					2.8	11	26	23	15			
27					2.8	12	25	24	5.9			
28					2.9	13	21	22	0			
29		-----			2.8	13	19	23	0			
30		-----			2.8	12	20	25	0			
31		-----		-----	5.5	-----	22	26	-----		-----	
TOTAL					241.4	238.0	690	770	647.9			
MEAN					7.79	7.93	22.3	24.8	21.6			
MAX					26	13	26	29	32			
MIN					0	4.1	12	20	0			
AC-FT					479	472	1,370	1,530	1,290			

CALENDAR YEAR 1991.--MAX 32 MIN 0 AC-FT 5,130

## NORTH PLATTE RIVER BASIN

WINTERS CREEK CANAL from Winters Creek - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	11	13	42	46			
2					0	10	14	43	46			
3					0	12	14	43	45			
4					0	9.2	14	45	44			
5					0	7.8	21	44	42			
6					0	0	33	44	42			
7					0	0	36	42	43			
8					8.2	0	41	43	47			
9					13	0	37	46	46			
10					14	0	26	45	42			
11					14	0	45	42	42			
12					14	0	44	49	35			
13					14	0	46	48	37			
14					13	0	43	44	38			
15					11	0	43	44	37			
16					0	0	44	46	34			
17					0	7.1	44	46	31			
18					0	12	44	46	28			
19					0	14	48	45	26			
20					0	13	48	44	25			
21					0	13	48	41	25			
22					8.1	13	49	42	25			
23					11	13	48	44	26			
24					15	11	48	45	21			
25					11	11	47	44	26			
26					11	13	48	42	21			
27					10	14	45	42	8.9			
28					11	1.3	43	42	.16			
29		-----			11	8.5	45	42	0			
30		-----			10	13	45	43	0			
31		-----		-----	11	-----	43	44	-----		-----	
TOTAL					210.3	206.9	1,207	1,362	929.06			
MEAN					6.78	6.90	38.9	43.9	31.0			
MAX					15	14	49	49	47			
MIN					0	0	13	41	0			
AC-FT					417	410	2,390	2,700	1,840			

CALENDAR YEAR 1991.--MAX. 49 MIN 0 AC-FT 7,770

NORTH PLATTE RIVER BASIN

WINTERS CREEK FACTORY LATERAL from Winters Creek - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
-----												
NO WATER DIVERTED THIS YEAR												

## NORTH PLATTE RIVER BASIN

CENTRAL CANAL from North Platte River - 1991

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1919 - present

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	12	12	30	29			
2					0	17	12	30	29			
3					0	16	13	30	31			
4					0	13	12	30	31			
5					0	13	19	31	31			
6					0	14	12	31	27			
7					0	13	12	31	26			
8					0	11	16	31	29			
9					0	14	28	31	25			
10					0	12	28	33	21			
11					0	10	28	35	21			
12					0	8.6	28	33	21			
13					0	8.7	28	32	21			
14					0	8.9	28	34	21			
15					0	9.1	28	34	21			
16					0	9.3	29	28	18			
17					0	9.4	27	27	17			
18					0	9.6	27	26	13			
19					0	9.8	27	26	0			
20					0	16	26	25	0			
21					15	18	26	26	0			
22					16	17	25	27	0			
23					15	13	24	28	0			
24					15	11	24	29	0			
25					18	11	24	28	0			
26					16	15	25	28	0			
27					14	15	28	29	0			
28					14	16	29	29	0			
29		-----			15	11	28	29	0			
30		-----			13	11	28	28	0			
31		-----		-----	13	-----	29	29	-----		-----	
TOTAL					164	372.4	730	918	432			
MEAN					5.29	12.4	23.5	29.6	14.4			
MAX					18	18	29	35	31			
MIN					0	8.6	12	25	0			
AC-FT					325	739	1,450	1,820	857			

CALENDAR YEAR 1991.--MAX 35 MIN 0 AC-FT 5,190



# NORTH PLATTE RIVER BASIN

WINTERS CREEK near Scottsbluff - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1931 - present

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.--Maximum discharge calendar year 1991, 355 cubic feet per second on May 15, gage height 4.85 feet.  
 Minimum daily discharge, 7.5 cubic feet per second, July 18.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	33	29	37	32	37	44	66	12	45	52	45	35
2	33	28	37	32	52	42	59	14	45	50	44	35
3	32	29	37	32	56	44	53	16	49	50	44	35
4	31	28	37	32	55	37	54	18	48	54	45	34
5	32	29	37	30	53	52	43	21	47	53	47	33
6	32	29	37	30	51	67	30	17	47	52	46	33
7	32	28	36	30	54	70	29	19	48	51	45	34
8	32	28	36	30	43	53	25	19	55	50	45	33
9	32	28	36	30	37	46	50	21	66	49	44	33
10	33	28	36	30	36	46	67	21	70	50	44	33
11	32	29	35	30	36	123	22	19	97	50	43	33
12	32	31	35	31	35	242	19	25	72	48	43	33
13	33	31	35	31	35	160	23	28	60	49	42	33
14	32	32	35	31	34	66	22	30	63	49	40	33
15	31	34	34	31	76	61	19	30	61	48	39	34
16	31	36	34	31	123	58	13	31	64	49	39	32
17	31	37	34	31	61	45	9.3	32	68	49	40	33
18	32	37	34	31	50	41	7.5	30	65	49	40	33
19	32	39	34	33	52	50	8.4	33	52	49	40	33
20	33	37	34	33	55	46	10	36	60	49	39	34
21	32	37	33	34	52	43	14	35	58	49	38	33
22	32	37	33	34	40	45	17	32	59	48	38	33
23	31	37	33	32	37	45	20	31	100	48	37	33
24	31	37	33	32	47	43	24	34	67	48	37	33
25	31	37	33	31	37	41	28	39	56	48	37	34
26	31	37	33	31	37	40	31	42	56	48	36	34
27	31	37	33	31	37	42	34	39	64	47	36	33
28	30	37	33	30	37	137	35	39	64	46	36	33
29	30	-----	33	30	40	73	26	39	63	46	36	34
30	29	-----	32	30	39	69	21	42	62	45	35	33
31	29	-----	32	-----	41	-----	19	43	-----	45	-----	33
TOTAL	978	923	1,071	936	1,475	1,971	898.2	887	1,831	1,518	1,220	1,035
MEAN	31.5	33.0	34.5	31.2	47.6	65.7	29.0	28.6	61.0	49.0	40.7	33.4
MAX	33	39	37	34	123	242	67	43	100	54	47	35
MIN	29	28	32	30	34	37	7.5	12	45	45	35	32
AC-FT	1,940	1,830	2,120	1,860	2,930	3,910	1,780	1,760	3,630	3,010	2,420	2,050
CALENDAR YEAR 1991	TOTAL		14,743.2	MEAN	40.4	MAX	262	MIN	7.5	AC-FT	29,240	

## NORTH PLATTE RIVER BASIN

MINATARE CANAL from North Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	49	1.8	93	97	43		
2					0	49	14	92	98	42		
3					22	48	25	91	100	41		
4					32	47	28	91	99	41		
5					33	39	33	93	98	41		
6					34	29	36	96	96	38		
7					35	20	37	99	90	34		
8					35	18	40	98	81	32		
9					37	17	49	97	75	32		
10					41	12	68	95	74	33		
11					41	8.6	71	96	68	24		
12					42	9.7	76	97	62	8.7		
13					43	8.3	82	98	53	0		
14					53	3.4	88	98	48	0		
15					62	.05	93	96	33	0		
16					55	0	98	97	39	0		
17					54	4.1	100	97	42	0		
18					59	8.1	99	97	43	0		
19					63	5.4	99	97	45	0		
20					60	3.7	100	98	45	0		
21					58	0	102	99	47	0		
22					58	0	102	98	49	0		
23					57	0	101	95	49	0		
24					52	0	100	93	46	0		
25					47	0	100	92	46	0		
26					47	0	100	91	46	0		
27					47	10	100	91	46	0		
28					47	22	98	91	45	0		
29		-----			50	18	96	92	43	0		
30		-----			45	16	96	93	43	0		
31		-----	-----	-----	48	-----	96	95	-----	0	-----	
TOTAL					1,357	445.35	2,328.8	2,946	1,846	409.7		
MEAN					43.8	14.8	75.1	95.0	61.5	13.2		
MAX					63	49	102	99	100	43		
MIN					0	0	1.8	91	33	0		
AC-FT					2,690	883	4,620	5,840	3,660	813		

CALENDAR YEAR 1991.--MAX 102 MIN 0 AC-FT 18,510

# NORTH PLATTE RIVER BASIN

GERING DRAIN near Gering - 1991

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. Calendar year summary values are for the whole year.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										37	25	22
2										36	24	22
3										37	25	22
4										36	26	22
5										33	26	23
6										32	26	22
7										32	25	22
8										32	25	23
9										31	26	22
10										31	26	22
11										31	25	23
12										31	26	23
13										30	26	22
14										29	26	22
15										29	25	22
16										29	23	21
17										29	24	21
18										29	24	21
19										29	23	21
20										29	23	21
21										28	23	21
22										28	23	22
23										28	23	22
24										28	23	21
25										27	24	21
26										27	24	21
27										27	24	22
28										27	23	22
29		-----								26	23	22
30		-----								26	22	22
31		-----		-----		-----			-----	26	-----	22
TOTAL										930	731	677
MEAN										30.0	24.4	21.8
MAX										37	26	23
MIN										26	22	21
AC-FT										1,840	1,450	1,340
CALENDAR YEAR 1991.--TOTAL			16,648	MEAN	45.6	MAX	550	MIN	19	AC-FT	33,020	

## NORTH PLATTE RIVER BASIN

CASTLE ROCK - STEAMBOAT CANAL from North Platte River - 1991

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916, 1918 - present

REMARKS.--e = Estimated Record

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	28	35	38	80	87	50		
2				0	30	35	39	82	86	50		
3				0	32	35	51	83	83	50		
4				0	32	34	57	83	81	49		
5				0	32	33	61	82	79	42		
6				0	32	35	65	83	76	34		
7				0	34	36	73	83	72	43		
8				0	36	36	74	83	72	45		
9				0	38	42	81	83	68	45		
10				0	47	44	89	83	60	45		
11				0	50	43	81	82	62	45		
12				0	50	45	79	81	64	45		
13				0	51	43	81	81	62	45		
14				0	49	37	78	80	60	45		
15				0	53	41	76	80	59	44		
16				0	34	39	76	83	58	34e		
17				0	13	38	79	83	58	0		
18				19e	41	37	83	81	58	0		
19				19	48	35	84	80	58	0		
20				21	49	33	86	84	57	0		
21				22	60	31	87	85	57	0		
22				23	62	30	84	85	59	0		
23				23	61	29	84	84	58	0		
24				24	57	27	84	83	52	0		
25				24	56	25	83	81	51	0		
26				25	56	25	81	82	49	0		
27				26	52	27	84	84	49	0		
28				27	45	28	80	84	51	0		
29		-----		27	13	30	81	87	52	0		
30		-----		28	11	37	79	87	51	0		
31		-----		-----	29	-----	79	87	-----	0	-----	
TOTAL				308	1,281	1,045	2,337	2,569	1,889	711		
MEAN				10.3	41.3	34.8	75.4	82.9	63.0	22.9		
MAX				28	62	45	89	87	87	50		
MIN				0	11	25	38	80	49	0		
AC-FT				611	2,540	2,070	4,640	5,100	3,750	1,410		

CALENDAR YEAR 1991.--MAX 89 MIN 0 AC-FT 20,110

# NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER near Minatare - 1991

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. Calendar year summary values are for the whole year.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										1,090	831	688
2										1,010	793	689
3										957	787	685
4										943	792	684
5										955	803	683
6										990	809	654
7										983	807	646
8										956	797	648
9										923	791	652
10										909	774	648
11										909	765	639
12										909	758	640
13										897	753	639
14										878	745	630
15										878	738	626
16										892	736	630
17										911	740	619
18										885	744	615
19										886	746	618
20										889	738	620
21										887	735	622
22										884	727	626
23										858	714	623
24										860	692	611
25										858	691	595
26										859	696	595
27										857	697	593
28										841	699	589
29		-----								833	693	581
30		-----								832	688	582
31		-----		-----		-----			-----	838	-----	581
TOTAL										28,057	22,479	19,551
MEAN										905	749	631
MAX										1,090	831	689
MIN										832	688	581
AC-FT										55,650	44,590	38,780
CALENDAR YEAR 1991.--TOTAL			226,590	MEAN	620	MAX	3,320	MIN	230	AC-FT	449,400	

## NORTH PLATTE RIVER BASIN

NINE MILE CANAL from North Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	32	27	24	36	30	8.5		
2				0	32	26	22	38	31	7.5		
3				0	31	25	21	39	30	6.7		
4				0	31	24	18	38	30	5.0		
5				0	31	23	18	39	30	3.3		
6				0	31	24	17	38	30	1.4		
7				0	30	22	22	39	29			
8				0	30	20	30	39	29	0		
9				0	30	58	32	38	27	0		
10				0	29	23	41	38	24	0		
11				0	29	7.8	37	38	22	0		
12				0	27	7.4	40	38	20	0		
13				0	26	7.5	42	41	20	0		
14				0	29	5.9	39	41	22	0		
15				0	34	4.8	37	40	21	0		
16				0	46	4.5	37	39	19	0		
17				0	29	5.1	37	39	18	0		
18				0	27	8.4	38	39	18	0		
19				0	26	11	39	38	18	0		
20				0	27	9.7	39	38	17	0		
21				0	26	8.5	38	40	18	0		
22				0	25	8.0	38	39	19	0		
23				0	25	9.8	38	37	13	0		
24				0	27	9.1	39	34	9.2	0		
25				0	28	7.9	39	31	7.7	0		
26				0	28	7.9	39	30	7.5	0		
27				0	28	18	39	30	7.7	0		
28				0	27	27	39	29	6.9	0		
29		-----		0	29	20	39	29	7.2	0		
30		-----		18	29	22	38	29	9.3	0		
31		-----		-----	28	-----	37	30	-----	0	-----	
TOTAL				18	907	482.3	1,053	1,131	590.5	32.4		
MEAN				.60	29.3	16.1	34.0	36.5	19.7	1.08		
MAX				18	46	58	42	41	31	8.5		
MIN				0	25	4.5	17	29	6.9	0		
AC-FT				36	1,800	957	2,090	2,240	1,170	64		

CALENDAR YEAR 1991.--MAX 58 MIN 0 AC-FT 8,360

# NORTH PLATTE RIVER BASIN

NINE MILE CANAL from Nine Mile Creek - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	37	33	38	48	47	39		
2				0	38	34	37	50	47	39		
3				0	38	35	36	50	47	38		
4				0	38	35	36	51	48	39		
5				0	38	38	36	51	50	39		
6				0	40	39	36	51	50	18		
7				0	41	34	36	51	49	0		
8				0	41	32	37	52	52	0		
9				0	42	38	38	52	53	0		
10				0	43	42	39	53	53	0		
11				0	40	26	39	53	53	0		
12				0	39	24	40	53	53	0		
13				0	40	23	40	53	52	0		
14				0	39	24	41	53	53	0		
15				0	44	25	41	52	50	0		
16				0	53	21	41	52	49	0		
17				0	40	20	40	52	48	0		
18				0	39	22	40	52	47	0		
19				0	37	26	42	52	47	0		
20				16	35	29	43	51	47	0		
21				31	33	30	43	50	46	0		
22				31	31	31	44	50	45	0		
23				32	31	32	45	49	45	0		
24				35	33	33	46	48	42	0		
25				35	31	34	46	47	41	0		
26				35	33	35	47	45	41	0		
27				35	33	36	47	44	40	0		
28				35	32	45	47	44	40	0		
29		-----		34	32	34	47	44	39	0		
30		-----		36	32	35	47	45	39	0		
31		-----		-----	32	-----	46	46	-----	0	-----	
TOTAL				355	1,155	945	1,281	1,544	1,413	212		
MEAN				11.8	37.3	31.5	41.3	49.8	47.1	6.84		
MAX				36	53	45	47	53	53	39		
MIN				0	31	20	36	44	39	0		
AC-FT				704	2,290	1,870	2,540	3,060	2,800	421		

CALENDAR YEAR 1991.--MAX 53 MIN 0 AC-FT 13,700

## NORTH PLATTE RIVER BASIN

NINE MILE CREEK near McGrew - 1991

LOCATION.--SE1/4SE1/4 Sec. 23-21-53 W.

PERIOD OF RECORD.--1932 - present

GAGE.--Continuous stage recorder

REMARKS.--a=missing gage height record  
e=estimated dischargeEXTREMES 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 531 cubic feet per second, June 10, gage height 6.56 feet.  
Minimum daily discharge 12 cubic feet per second, May 13 & 14.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	64	61	57	55	30	55	54	87	134	117	92	72
2	64	62	56	55	27	53	51	88	139	115	89	72
3	65	61	56	55	23	61	48	91	135	115	90	72
4	66	60	56	55	24	56	50a	95	133	114	92	74
5	66	60	56	55	33	76	50a	96	149	112	93	76
6	66	60	56	55	34	107	52a	92	149	123	91	76
7	66	61	56	55	31	79	52a	94	145	130	88	76
8	65	61	54	54	31	53	50a	96	172	128	87	76
9	65	62	54	54	28	135	50a	96	194	126	86	75
10	66	61	54	54	24a	338	52a	99	201	125	85	74
11	66	61	54	54	15a	121	52a	101	214	124	84	74
12	67	61	52	54	13a	70a	54a	117	223	120	84	73
13	67	62	52	50	12a	64a	54a	118	210	116	83	73
14	67	61	52	48	12	131	55a	114	205	115	82	71
15	66	61	52	47	44	123	57a	110	202	114	81	71
16	66	62	51	45	185	123e	59	110	195	114	81	71
17	65	63	51	43	59	59e	51	117	179	114	82	70
18	65	62	51	42	51	55	49	124	154	112	80	70
19	66	62	51	40	53	49	58	123	164	110	79	70
20	66	62	50	23a	56	44	66	119	171	108	79	70
21	65	63	51	21a	53	43	65	111	169	108	80	69
22	64	63	53	19a	50	48	67	116	164	106	79	68
23	64	61	52	17a	50	57	74	120	171	105	76	67
24	64	61	52	16a	63	52	81	121	139	105	75	67
25	64	61	53	16	56	46	82	126	135	104	75	67
26	64	60	52	15	53	41	90	131	134	104	75	66
27	63	60	53	15	50	44	89	134	129	102	75	66
28	62	59	54	16	53	158	91	135	122	100	75	65
29	60	-----	54	17	61	85	91	134	118	98	73	65
30	61	-----	54	24	57	59	88	136	118	97	72	65
31	60	-----	55	-----	58	-----	85	134	-----	96	-----	65
TOTAL	2,005	1,714	1,654	1,169	1,389	2,485	1,967	3,485	4,867	3,477	2,463	2,186
MEAN	64.7	61.2	53.4	39.0	44.8	82.8	63.5	112	162	112	82.1	70.5
MAX	67	63	57	55	185	338	91	136	223	130	93	76
MIN	60	59	50	15	12	41	48	87	118	96	72	65
AC-FT	3,980	3,400	3,280	2,320	2,760	4,930	3,900	6,910	9,650	6,900	4,890	4,340
CALENDAR YEAR 1991	TOTAL	28,861	MEAN	79.1	MAX	338	MIN	12	AC-FT	57,250		



# NORTH PLATTE RIVER BASIN

SHORT LINE CANAL from North Platte River - 1991

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916, 1920 - present

REMARKS.--e = Estimated discharge

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	25	6.4	6.4	21	25	16		
2				0	25	6.0	5.3	21	28	16		
3				0	23	8.1	5.5	22	27	16		
4				0	23	9.9	6.1	23	27	13		
5				0	28	15	7.5	22	27	12		
6				0	29	25	11	20	23	14		
7				0	27	12	16	20	23	18		
8				0	26	7.1	20	21	27	15		
9				0	24	13	22	21	20	10		
10				11	20	21	22	21	22	10		
11				24	14	11	22	22	21	10		
12				27	14	3.7	20	24	15	9.8		
13				27	11	0	20	23	10	9.5		
14				27	11	0	21	21	11	4.9		
15				27	22 e	0	20	20	13	.51		
16				26	50 e	0	19	21	14	0		
17				26	13	0	18	27	13	0		
18				27	25	6.4	18	27	12	0		
19				23	27	8.3	21	24	15	0		
20				14	28	7.4	23	22	16	0		
21				9.3	27	6.8	21	20	16	0		
22				7.6	26	20	22	21	16	0		
23				5.7	30	22	25	21	19	0		
24				3.9	42	14	23	23	14	0		
25				4.1	33	12	20	26	13	0		
26				4.6	21	9.7	23	27	13	0		
27				6.4	19	11	23	27	12	0		
28				9.1	17	16 e	23	27	16	0		
29		-----		10	16	15	22	25	16	0		
30		-----		14	13	8.1	21	23	16	0		
31		-----		-----	6.7	-----	20	23	-----	0	-----	
TOTAL				333.7	715.7	294.9	566.8	706	540	174.71		
MEAN				11.1	23.1	9.83	18.3	22.8	18.0	5.64		
MAX				27	50	25	25	27	28	18		
MIN				0	6.7	0	5.3	20	10	0		
AC-FT				662	1,420	585	1,120	1,400	1,070	347		
CALENDAR YEAR 1991.--MAX	50		MIN	0	AC-FT	6,610						

## NORTH PLATTE RIVER BASIN

CHIMNEY ROCK CANAL from North Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	32	20	23	81	73	27		
2				0	32	18	25	79	74	24		
3				0	34	18	25	78	73	22		
4				0	34	19	30	77	73	22		
5				0	37	18	34	77	72	22		
6				0	39	21	45	75	63	21		
7				0	38	21	54	54	60	21		
8				0	38	21	60	29	59	20		
9				0	36	19	59	46	55	19		
10				0	36	18	60	54	51	19		
11				0	38	18	58	64	49	19		
12				0	42	17	57	71	44	19		
13				0	39	17	59	73	37	19		
14				0	33	18	58	73	33	9.1		
15				0	35	17	58	72	31	0		
16				0	17	18	58	71	30	0		
17				10	20	18	58	70	28	0		
18				18	16	20	59	69	28	0		
19				22	30	17	67	70	29	0		
20				22	34	15	77	70	29	0		
21				23	32	22	76	68	27	0		
22				24	31	31	76	67	24	0		
23				30	29	33	79	69	25	0		
24				32	32	22	83	71	25	0		
25				34	31	23	80	71	27	0		
26				34	32	24	79	72	29	0		
27				33	30	24	82	71	29	0		
28				31	31	24	83	71	28	0		
29		-----		31	30	24	82	71	28	0		
30		-----		32	23	25	83	72	28	0		
31		-----		-----	21	-----	83	73	-----	0	-----	
TOTAL				376	982	620	1,910	2,129	1,261	283.1		
MEAN				12.5	31.7	20.7	61.6	68.7	42.0	9.13		
MAX				34	42	33	83	81	74	27		
MIN				0	16	15	23	29	24	0		
AC-FT				746	1,950	1,230	3,790	4,220	2,500	562		
CALENDAR YEAR 1991.--MAX		83										
			MIN		0		AC-FT		15,000			

# NORTH PLATTE RIVER BASIN

BAYARD SUGAR FACTORY DRAIN near Bayard - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1931 - present

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 140 cubic feet per second on June 23, gage height 2.36 feet.  
 Minimum daily discharge, 0.11 cubic feet per second on April 9.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	14	17	18	.45	.35	1.3	6.3	24	17	34	17	17
2	15	17	18	.49	.17	1.3	6.1	28	15	32	17	18
3	15	17	18	.42	.58	6.8	6.1	29	15	32	17	18
4	16	17	18	.39	.37	1.9	6.6	29	18	34	18	19
5	15	17	17	.26	.24	1.5	6.5	29	18	36	20	19
6	15	17	16	.21	.42	10	7.8	30	14	33	21	19
7	15	17	16	.28	1.0	5.2	7.1	30	15	29	21	19
8	15	17	16	.16	.52	4.4	7.5	30	27	30	21	19
9	15	17	16	.11	.38	20	9.8	31	41	24	21	19
10	15	16	16	.14	.47	86	9.7	33	40	24	20	18
11	16	13	16	.25	.44	33	15	32	41	25	20	19
12	17	15	16	.34	.53	11	15	31	46	25	19	18
13	18	18	16	.50	.47	3.1	14	33	39	23	19	18
14	18	17	16	.63	.45	2.6	15	32	40	22	19	17
15	18	17	16	.75	.57	2.5	16	30	43	20	19	18
16	18	18	16	.42	46	2.3	15	30	39	20	19	17
17	18	18	15	.27	18	2.2	14	32	35	19	20	17
18	18	18	15	.21	6.5	2.4	13	32	34	19	19	17
19	18	18	15	.42	6.8	2.6	13	32	37	19	19	17
20	18	17	14	1.4	6.7	2.6	15	33	38	19	18	17
21	18	18	15	4.5	6.5	2.7	26	32	33	18	18	17
22	18	18	18	4.4	4.6	4.2	31	33	29	17	17	17
23	18	18	15	2.8	2.5	77	31	34	25	17	17	17
24	18	18	13	.31	4.1	28	31	34	26	17	17	16
25	18	18	6.3	.24	3.2	9.6	34	33	24	17	17	16
26	18	18	2.0	.21	3.6	8.9	35	31	25	18	17	16
27	17	18	.91	.19	3.0	8.0	35	22	28	18	17	16
28	17	18	.52	.23	6.5	10	35	16	30	17	18	16
29	16	-----	.56	.38	17	8.0	35	18	32	18	18	16
30	17	-----	.50	.23	2.8	6.6	31	19	33	18	17	16
31	17	-----	.42	-----	1.6	-----	24	19	-----	18	-----	16
TOTAL	519	482	396.21	21.59	146.36	365.7	566.5	901	897	712	557	539
MEAN	16.7	17.2	12.8	.72	4.72	12.2	18.3	29.1	29.9	23.0	18.6	17.4
MAX	18	18	18	4.5	46	86	35	34	46	36	21	19
MIN	14	13	.42	.11	.17	1.3	6.1	16	14	17	17	16
AC-FT	1,030	956	786	43	290	725	1,120	1,790	1,780	1,410	1,100	1,070
CALENDAR YEAR 1991		TOTAL	6,103.36	MEAN	16.7	MAX	86	MIN	.11	AC-FT	12,110	

## NORTH PLATTE RIVER BASIN

ALLIANCE CANAL from Bayard Sugar Factory Drain - 1991

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

REMARKS:--e = ESTIMATED RECORD

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				8.8	24	20	27	13	23	11		
2				15	22	24	24	14	24	9.4		
3				15	29	42	23	9.9	25	9.3		
4				15	29	35	26	11	29	13		
5				17	29	29	25	12	30	16		
6				21	28	29	30	13	29	13		
7				21	31	26 e	26	13	30	8.1		
8				17	27	24 e	28	14	39	3.6		
9				13	25	22 e	32	14	36	0		
10				14	26	20 e	33	16	24	0		
11				17	26	18 e	28	16	22	0		
12				21	27	17 e	21	18	25	0		
13				26	22	16 e	22	22	22	0		
14				27	18	17	26	18	24	0		
15				28	21	16	29	15	25	0		
16				26	23	15	26	14	25	0		
17				20	16	14	24	14	24	0		
18				16	25	15	22	15	24	0		
19				21	26	18	22	14	27	0		
20				27	31	20	29	15	29	0		
21				32	32	22	19	12	26	0		
22				32	22	22	9.9	13	23	0		
23				29	23	3.1	9.6	15	13	0		
24				20	37	14	9.7	14	12	0		
25				18	35	25	12	13	13	0		
26				19	34	23	12	9.4	10	0		
27				19	29	23	11	16	4.8	0		
28				22	28	30	12	21	6.3	0		
29		-----		25	45	30	12	22	8.5	0		
30		-----		22	30	26	8.4	24	9.7	0		
31		-----		-----	21	-----	13	25	-----	0	-----	
TOTAL				623.8	841	655.1	651.6	475.3	662.3	83.4		
MEAN				20.8	27.1	21.8	21.0	15.3	22.1	2.69		
MAX				32	45	42	33	25	39	16		
MIN				8.8	16	3.1	8.4	9.4	4.8	0		
AC-FT				1,240	1,670	1,300	1,290	943	1,310	165		

CALENDAR YEAR 1991.--MAX 45 MIN 0 AC-FT 7,920

# NORTH PLATTE RIVER BASIN

RED WILLOW CREEK near Bayard - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1931 - present

REMARKS.--e = estimated discharge  
a = missing gage height record

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1991, 813 cubic feet per second on June 23, gage height 5.24 feet.  
Minimum daily discharge, 24 cubic feet per second on May 13.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	50a	46	45	45	41	55	123	59	94	77	65	55
2	50a	47	45	42	34	67	101	58	102	76	64	55
3	50e	47	44	39	31	134	85	70	99	76	64	55
4	50	47	45	38	30	88	71	76	93	76	64	55
5	50	48	45	37	34	77	61	71	133	75	64	54
6	49	47	45	37	38	126	80	63	114	75	64	54
7	48	48	45	36	40	123	95	62	112	65	62	55
8	49	48	46	35	28	112	74	61	147	59	62	55
9	49	48	47	34	26	143	81	55	180	56	61	55
10	49	48	47	34	25	144	127	54	162	48	60	55
11	48	47	47	35	26	104	110	56	193	47	60	55
12	49	47	47	36	25	62	100	59	210	47	60	54
13	48	46	47	42	24	51	94	65	164	62	59	54
14	49	46	47	45	24	65	72	72	177	74	58	54
15	48	46	46	45	26	241	69	67	181	72	58	55
16	48	46	45	46	89	247	75	63	171	72	58	54
17	47	47	45	43	53	191	63	62	169	72	59	54
18	47	47	45	47	50	202	57	64	163	72	58	54
19	47	47	45	54	47	216	55	66	177	70	57	54
20	47	46	44	45	64	212	61	66	182	70	57	53
21	48	45	43	44	72	194	67	70	178	70	57	53
22	48	45	46	30	73	205	67	73	137	69	57	52
23	47	45	45	38	78	353	80	74	152	70	57	52
24	48	46	45	63	106	218	84	75	154	70	57	52
25	48	45	49	61	93	213	99	80	108	70	57	51
26	48	45	53	44	90	188	113	78	106	70	56	51
27	48	45	46	39	87	133	111	77	102	69	57	51
28	47	45	45	39	108	127	108	80	86	69	56	51
29	46	-----	45	37	126	161	99	84	80	68	56	50
30	47	-----	46	39	89	170	74	87	81	67	55	50
31	46	-----	45	-----	60	-----	62	94	-----	67	-----	50
TOTAL	1,493	1,300	1,420	1,249	1,737	4,622	2,618	2,141	4,207	2,100	1,779	1,652
MEAN	48.2	46.4	45.8	41.6	56.0	154	84.5	69.1	140	67.7	59.3	53.3
MAX	50	48	53	63	126	353	127	94	210	77	65	55
MIN	46	45	43	30	24	51	55	54	80	47	55	50
AC-FT	2,960	2,580	2,820	2,480	3,450	9,170	5,190	4,250	8,340	4,170	3,530	3,280
CALENDAR YEAR 1991		TOTAL	26,318	MEAN	72.1	MAX	353	MIN	24	AC-FT	52,200	

## NORTH PLATTE RIVER BASIN

ALLIANCE CANAL from Red Willow Creek - 1991

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

GAGE.--Continuous stage recorder and concrete flume

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

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	11	23	24	47	49	21		
2				0	13	22	34	51	58	21		
3				0	15	0	36	45	49	22		
4				0	19	9.5	27	46	50	26		
5				0	16	19	41	46	38	26		
6				0	16	3.7	58	50	36	26		
7				0	15	0	39	48	45	25		
8				0	16	0	53	45	46	25		
9				0	13	0	56	46	32	22		
10				0	11	0	55	46	37	22		
11				0	11	0	45	50	36	22		
12				0	10	0	50	47	30	23		
13				0	17	0	53	48	24	11		
14				0	19	0	59	46	34	0		
15				0	20	0	64	47	39	0		
16				0	1.4	4.7	60	44	29	0		
17				0	5.1	22	47	46	23	0		
18				0	14	21	47	47	25	0		
19				0	15	21	52	51	26	0		
20				2.0	0	23	49	53	23	0		
21				5.1	0	25	48	48	23	0		
22				4.5	0	21	52	41	17	0		
23				4.6	0	0	44	44	25	0		
24				4.7	0	0	44	42	16	0		
25				6.2	0	.65	47	43	17	0		
26				4.5	0	16	40	40	18	0		
27				3.5	2.1	16	47	39	17	0		
28				3.5	3.0	29	45	41	21	0		
29		-----		4.5	0	26	49	41	21	0		
30		-----		5.0	.88	36	44	43	21	0		
31		-----	-----	-----	12	-----	46	49	-----	0	-----	
TOTAL				48.1	275.48	338.55	1,455	1,420	925	292		
MEAN				1.60	8.89	11.3	46.9	45.8	30.8	9.42		
MAX				6.2	20	36	64	53	58	26		
MIN				0	0	0	24	39	16	0		
AC-FT				95	546	672	2,890	2,820	1,830	579		

CALENDAR YEAR 1991.--MAX 64 MIN 0 AC-FT 9,430

# NORTH PLATTE RIVER BASIN

BELMONT CANAL from North Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	64	88	118	114	36		
2					81	62	96	115	114	0		
3					46	54	102	106	114	0		
4					42	50	105	117	114	0		
5					37	49	106	116	113	0		
6					36	49	103	116	113	0		
7					39	49	102	117	112	0		
8					45	46	102	119	111	0		
9					46	45	112	115	112	0		
10					41	45	114	113	112	0		
11					41	45	125	114	105	0		
12					40	44	121	117	105	0		
13					36	42	118	121	105	0		
14					33	40	117	125	84	0		
15					33	36	117	125	98	0		
16					38	34	117	124	111	0		
17					35	32	119	124	105	0		
18					31	50	126	125	82	0		
19					29	64	126	125	90	0		
20					27	63	129	121	101	0		
21					26	62	128	118	100	0		
22					26	61	123	119	97	0		
23					26	61	120	119	96	0		
24					36	57	121	112	90	0		
25					61	56	131	105	85	0		
26					77	58	132	112	85	0		
27					86	78	122	116	86	0		
28					117	89	123	116	86	0		
29		-----			68	70	122	114	84	0		
30		-----			69	81	121	114	79	0		
31		-----		-----	64	-----	119	114	-----	0	-----	
TOTAL					1,412	1,636	3,607	3,632	3,003	36		
MEAN					45.5	54.5	116	117	100	1.16		
MAX					117	89	132	125	114	36		
MIN					0	32	88	105	79	0		
AC-FT					2,800	3,250	7,150	7,200	5,960	71		
CALENDAR YEAR 1991.--MAX	132											
MIN				0								
AC-FT						26,430						

## NORTH PLATTE RIVER BASIN

EMPIRE CANAL from North Platte River - 1991

LOCATION.--SE1/4NE1/4 Sec. 19-20-51 W. near Bridgeport

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

PERIOD OF RECORD.--1916, 1918 - 1919, 1921 - 1926, 1929 - 1945, 1948 - 1950, 1962 - present

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

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	34	5.9	27	12		
2					3.9	0	33	5.9	27	0		
3					6.1	0	34	20	27	0		
4					26	0	33	31	28	0		
5					38	0	26	30	28	0		
6					28	0	32	29	28	0		
7					30	0	34	29	28	0		
8					21	0	33	29	27	0		
9					20	0	34	28	27	0		
10					20	0	32	28	27	0		
11					20	0	28	28	26	0		
12					20	0	27	28	22	0		
13					23	0	28	28	22	0		
14					26	0	28	30	8.9	0		
15					26	0	28	30	1.4	0		
16					28	0	28	30	1.5	0		
17					22	0	28	28	1.5	0		
18					29	0	28	28	17	0		
19					27	0	26	28	31	0		
20					25	0	26	28	31	0		
21					24	0	27	29	31	0		
22					24	0	30	29	32	0		
23					22	0	29	29	32	0		
24					28	0	29	26	35	0		
25					18	0	18	24	31	0		
26					0	0	5.4	25	31	0		
27					0	0	6.1	26	31	0		
28					0	0	6.1	27	31	0		
29		-----			0	0	6.0	27	30	0		
30		-----			0	15	5.9	27	29	0		
31		-----		-----	0	-----	5.9	27	-----	0	-----	
TOTAL					555.0	15	768.4	817.8	749.3	12		
MEAN					17.9	.50	24.8	26.4	25.0	.39		
MAX					38	15	34	31	35	12		
MIN					0	0	5.4	5.9	1.4	0		
AC-FT					1,100	30	1,520	1,620	1,490	24		

CALENDAR YEAR 1991.--MAX 38 MIN 0 AC-FT 5,790



# NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER at Bridgeport - 1991

LOCATION.--Main channel gage 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. Calendar year summary values are for the whole year.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										1,400	1,100	891
2										1,380	1,070	910
3										1,320	1,090	902
4										1,330	1,120	903
5										1,340	1,130	847
6										1,390	1,120	838
7										1,440	1,090	850
8										1,380	1,130	843
9										1,330	1,140	855
10										1,270	1,080	828
11										1,180	1,060	794
12										1,170	1,070	827
13										1,150	1,120	844
14										1,110	1,120	849
15										1,130	1,100	876
16										1,140	1,060	861
17										1,150	1,080	845
18										1,140	1,070	842
19										1,120	1,030	897
20										1,110	982	915
21										1,100	962	913
22										1,110	949	859
23										1,090	965	818
24										1,140	995	785
25										1,110	1,020	754
26										1,080	1,030	737
27										1,060	1,020	761
28										1,030	1,010	804
29		-----								1,030	1,010	797
30		-----								1,060	962	751
31		-----		-----		-----			-----	1,100	-----	710
TOTAL										36,890	31,685	25,906
MEAN										1,190	1,056	836
MAX										1,440	1,140	915
MIN										1,030	949	710
AC-FT										73,170	62,850	51,380
CALENDAR YEAR 1991.--TOTAL			303,827	MEAN	832	MAX	4,090	MIN	226	AC-FT	602,600	

## NORTH PLATTE RIVER BASIN

BROWNS CREEK CANAL from North Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	27	53	82	74			
2					0	26	69	88	71			
3					0	27	69	86	68			
4					0	26	65	94	59			
5					0	24	62	95	54			
6					0	22	78	93	55			
7					0	23	84	103	55			
8					26	19	83	99	52			
9					22	19	83	91	35			
10					25	17	88	80	29			
11					29	13	93	76	30			
12					30	13	95	78	32			
13					29	12	94	71	23			
14					31	9.8	95	55	0			
15					35	9.7	101	47	0			
16					29	9.9	102	46	0			
17					26	11	100	44	0			
18					22	17	97	45	0			
19					19	17	96	50	0			
20					17	15	91	66	0			
21					18	15	87	82	0			
22					28	17	81	86	0			
23					36	21	53	86	0			
24					44	18	60	87	0			
25					52	19	67	90	0			
26					55	22	84	83	0			
27					53	25	86	80	0			
28					45	28	80	81	0			
29		-----			32	24	85	82	0			
30		-----			36	33	87	82	0			
31		-----		-----	30	-----	84	79	-----		-----	
TOTAL					769	579.4	2,552	2,407	637			
MEAN					24.8	19.3	82.3	77.6	21.2			
MAX					55	33	102	103	74			
MIN					0	9.7	53	44	0			
AC-FT					1,530	1,150	5,060	4,770	1,260			

CALENDAR YEAR 1991.--MAX 103 MIN 0 AC-FT 13,770

# NORTH PLATTE RIVER BASIN

COURT HOUSE ROCK CANAL from Pumpkin Creek - 1991

LOCATION.--SE1/4SW1/4 Sec. 30-19-50 W. near Bridgeport

GAGE.--Continuous stage recorder and concrete box

PERIOD OF RECORD.--1917 - 1927, 1930 - present

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	5.1	3.5	4.4	2.9			
2					0	4.8	3.8	4.4	2.9			
3					0	3.9	4.2	4.1	3.0			
4					0	2.7	4.7	3.7	3.0			
5					0	3.3	4.9	3.9	3.2			
6					0	3.8	4.9	4.0	3.9			
7					0	3.7	5.0	4.2	3.3			
8					0	2.8	4.9E	4.4	3.4			
9					0	2.6	4.8E	4.4	3.3			
10					0	2.7	4.8E	4.2	3.4			
11					0	2.6	4.7E	3.9	3.5			
12					0	2.7	4.6	4.1	4.1			
13					0	2.8	4.5	4.2	3.9			
14					.75	2.9	4.3	4.4	4.1			
15					1.5	3.1	4.2	4.8	4.1			
16					2.0	3.5	4.7	4.8	3.9			
17					2.8	3.5	4.8	4.6	3.9			
18					3.8	3.7	5.4	4.5	3.9			
19					4.0	2.2	5.2	4.4	2.4			
20					4.2	1.8	4.9	4.5	0			
21					4.8	3.5	4.3	4.6	0			
22					5.2	3.5	4.0	5.0	0			
23					5.4	3.5	2.9	4.4	0			
24					5.7	3.5	5.1	3.4	0			
25					5.7	3.6	7.0	3.2	0			
26					5.9	3.4	7.2	2.9	0			
27					6.0	3.2	7.1	3.0	0			
28					6.2	3.2	6.9	2.8	0			
29		-----			6.0	3.2	6.4	2.7	0			
30		-----			5.7	3.3	5.0	2.7	0			
31		-----		-----	5.4	-----	5.2	2.5	-----		-----	
TOTAL					81.05	98.1	153.9	123.1	66.1			
MEAN					2.61	3.27	4.96	3.97	2.20			
MAX					6.2	5.1	7.2	5.0	4.1			
MIN					0	1.8	2.9	2.5	0			
AC-FT					161	195	305	244	131			

CALENDAR YEAR 1991.--MAX 7.2 MIN 0 AC-FT 1,040

NORTH PLATTE RIVER BASIN

LAST CHANCE CANAL from Pumpkin Creek - 1991

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 1991

Day Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

NO WATER DIVERTED THIS YEAR

# NORTH PLATTE RIVER BASIN

MEREDITH-AMMER CANAL from Pumpkin Creek - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	.04	6.3	1.2	0			
2					0	.02	5.8	.74	0			
3					0	.02	5.2	.71	0			
4					0	0	5.1	.92	0			
5					0	0	5.0	1.3	0			
6					0	0	4.5	1.5	0			
7					2.2	0	3.7	1.6	0			
8					3.6	0	3.8	1.6	0			
9					3.6	0	3.4	1.4	0			
10					3.5	0	4.0	1.4	0			
11					3.5	0	3.9	1.0	0			
12					3.4	0	2.3	.76	0			
13					3.3	.01	1.6	.62	0			
14					3.3	.01	1.7	.69	0			
15					3.3	.01	1.8	.65	0			
16					3.4	0	1.8	.65	0			
17					2.5	0	1.6	.50	0			
18					.42	0	1.5	.55	0			
19					.34	0	1.5	.60	0			
20					.21	0	1.6	2.1	0			
21					0	0	1.3	3.4	0			
22					0	0	1.5	2.1	0			
23					0	.01	2.0	1.2	0			
24					0	3.5	2.7	.97	0			
25					0	6.4	1.8	.25	0			
26					0	7.5	3.2	0	0			
27					0	7.5	3.6	0	0			
28					0	8.1	3.4	0	0			
29		-----			.01	7.6	3.3	0	0			
30		-----			.02	6.8	2.8	0	0			
31		-----		-----	.04	-----	2.1	0	-----		-----	
TOTAL					36.64	47.52	93.8	28.41	0			
MEAN					1.18	1.58	3.03	.92	0			
MAX					3.6	8.1	6.3	3.4	0			
MIN					0	0	1.3	0	0			
AC-FT					73	94	186	56	0			

CALENDAR YEAR 1991.--MAX 8.1 MIN 0 AC-FT 409

## NORTH PLATTE RIVER BASIN

PUMPKIN CREEK near Bridgeport - 1991

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. Calendar year summary values are for the whole year.  
e = estimated discharge

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										6.2	3.0e	7.0e
2										4.1	3.6e	4.2e
3										2.6	5.0e	5.0e
4										3.1	9.0e	7.0e
5										3.6	7.8e	8.6e
6										3.8	8.0e	9.1
7										4.0	9.0e	9.0
8										4.0	5.8	8.9
9										4.2	5.8	8.9
10										4.3	5.8	8.9
11										4.3	5.7	9.2
12										4.6	5.7	9.6
13										4.5	5.9	9.6e
14										4.1	5.9	8.6e
15										3.7	5.8	9.0e
16										3.9	6.1	8.8e
17										3.6	6.5	8.8e
18										3.7	6.5	9.4e
19										3.6	6.5	9.6e
20										3.9	6.3	9.2e
21										4.0	6.1	8.8e
22										4.4	6.9	8.4e
23										4.4	6.6e	8.6e
24										4.6	7.0e	8.8e
25										4.9	7.4e	8.8e
26										5.1	8.9	9.2e
27										5.4	9.0	9.0e
28										4.2e	9.0	8.8e
29		-----								4.0e	9.2e	9.0e
30		-----								4.4e	7.0e	9.2e
31		-----		-----		-----			-----	4.4e	-----	9.4e
TOTAL										129.6	200.8	266.4
MEAN										4.18	6.69	8.59
MAX										6.2	9.2	9.6
MIN										2.6	3.0	4.2
AC-FT										257	398	528

CALENDAR YEAR 1991.--TOTAL 3,863.39 MEAN 10.6 MAX 72.6 MIN 0 AC-FT 7,660

# NORTH PLATTE RIVER BASIN

BEERLINE CANAL from North Platte River - 1991

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

GAGE.--Continuous stage recorder and concrete flume

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

REMARKS -- a = No Gage Height Record

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	12	19	18			
2					0	0	8.5	19	18			
3					0	0	6.0	19	16			
4					0	0	9.0	19	17			
5					0	0	9.0	20	18			
6					0	0	7.5	19	18			
7					0	0	4.2	19	0			
8					0	0	3.9	20	0			
9					0	0	5.0 <sub>a</sub>	19	0			
10					0	0	17 <sub>a</sub>	18	0			
11					0	0	22	18	0			
12					0	0	19	17	0			
13					0	0	17	18	0			
14					0	0	15	18	0			
15					0	0	13	18	0			
16					0	0	14	18	0			
17					0	0	16	18	0			
18					0	0	13	17	0			
19					0	0	6.9	17	0			
20					0	6.9	5.7	18	0			
21					0	12	7.6	17	0			
22					0	12	11	16	0			
23					0	16	20	17	0			
24					0	13	20	17	0			
25					0	9.6	17	18	0			
26					0	9.3	15	18	0			
27					0	9.4	15	18	0			
28					0	10	19	18	0			
29		-----			0	19	22	18	0			
30		-----			0	15	21	18	0			
31		-----		-----	0	-----	20	17	-----		-----	
TOTAL					0	132.2	411.3	560	105			
MEAN					0	4.41	13.3	18.1	3.50			
MAX					0	19	22	20	18			
MIN					0	0	3.9	16	0			
AC-FT					0	262	816	1,110	208			
CALENDAR YEAR 1991.--MAX.		22	MIN	0	AC-FT	2,400						

## NORTH PLATTE RIVER BASIN

BELMONT CANAL from Cedar Creek - 1991

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.--a = missing gage height record

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	1.8	12	6.6	6.0	4.7	0		
2				0	0	12	5.0	6.1	4.8	0		
3				0	0	12	5.4	6.0	4.4	0		
4				0	0	11	5.3	5.5	4.2	0		
5				0	0	11	5.4	5.7	4.8	0		
6				0	0	11	5.4	5.6	5.8	0		
7				0	0	11	5.4	6.3	5.5	0		
8				0	10	11	6.0	6.8	5.5	0		
9				0	10	11	5.8	6.1	5.8	0		
10				0	10	11	5.6	5.7	6.3	0		
11				0	8.8	11	5.6	5.9	6.0	0		
12				0	8.7	11	6.2	6.1	5.8	0		
13				0	9.3	11	6.2	6.0	5.6	0		
14				0	10	11	5.6	6.0	5.2	0		
15				0	8.7	11	5.5	5.4	4.9	0		
16				0	12	12	5.6	5.3	4.7	0		
17				0	12	12	5.6	5.1	4.9	0		
18				0	11	10 <sup>a</sup>	5.6	4.9	4.9	0		
19				0	10	7.4	6.3	3.2	5.3	0		
20				0	9.8	5.6	7.5	2.3	5.0	0		
21				0	9.9	5.2	6.4	2.1	4.8	0		
22				0	10	5.6	6.6	2.1	4.9	0		
23				7.4	10	5.2	7.0	2.4	5.5	0		
24				12	12	7.5	7.7	2.3	5.6	0		
25				12	11	8.1	6.6	2.2	5.7	0		
26				12	11	7.9	6.7	2.2	5.8	0		
27				11	10	7.7	6.5	2.6	3.2	0		
28				11	11	7.6	6.7	3.5	1.7	0		
29		-----		11	11	7.4	5.9	3.7	1.5	0		
30		-----		11	11	7.2	6.1	4.1	.66	0		
31		-----		-----	12	-----	5.9	4.2	-----	0	-----	
TOTAL				87.4	251.0	284.4	187.7	141.4	143.46	0		
MEAN				2.91	8.10	9.48	6.05	4.56	4.78	0		
MAX				12	12	12	7.7	6.8	6.3	0		
MIN				0	0	5.2	5.0	2.1	.66	0		
AC-FT				173	498	564	372	280	285	0		

CALENDAR YEAR 1991.--MAX 12 MIN 0 AC-FT 2,170



# NORTH PLATTE RIVER BASIN

LISCO CANAL from North Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	31	0	14	30	32	41		
2				0	29	0	14	31	30	36		
3				9.7	31	1.3	19	32	31	30		
4				12	27	3.3	13	36	31	29		
5				6.4	24	0	20	33	33	27		
6				1.7	21	0	24	34	38	26		
7				0	26	.58	26	33	42	23		
8				0	29	4.2	31	31	43	22		
9				31	24	2.9	29	34	31	21		
10				43	18	6.4	33	38	0	21		
11				50	13	0	33	33	12	23		
12				50	13	1.1	22	33	47	25		
13				50	11	2.0	23	33	42	26		
14				50	7.6	0	24	28	35	25		
15				0	7.1	.20	28	34	38	25		
16				0	29	.61	29	38	35	25		
17				0	40	2.3	33	36	35	22		
18				44	3.9	2.7	33	34	34	23		
19				50	.37	4.6	47	34	31	22		
20				39	0	3.9	37	35	31	23		
21				41	22	1.9	27	34	33	24		
22				42	59	1.8	31	33	36	27		
23				40	57	9.3	35	31	42	19		
24				38	47	11	26	31	47	0		
25				37	47	9.3	19	31	45	0		
26				33	45	11	19	32	40	0		
27				32	44	9.6	29	27	42	0		
28				33	41	13	32	22	43	0		
29		-----		34	17	35	29	21	41	0		
30		-----		33	.07	18	30	20	39	0		
31		-----		-----	0	-----	27	26	-----	0	-----	
TOTAL				799.8	764.04	155.99	836	978	1,059	585		
MEAN				26.7	24.6	5.20	27.0	31.5	35.3	18.9		
MAX				50	59	35	47	38	47	41		
MIN				0	0	0	13	20	0	0		
AC-FT				1,590	1,520	309	1,660	1,940	2,100	1,160		

CALENDAR YEAR 1991.--MAX 59 MIN 0 AC-FT 10,270

NORTH PLATTE RIVER BASIN

MIDLAND-OVERLAND CANAL from North Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	11	19	.80	0		
2					0	0	11	13	.70	0		
3					0	0	17	11	.58	0		
4					0	0	22	9.4	9.2	0		
5					0	0	22	9.6	8.6	0		
6					0	0	22	15	4.9	0		
7					0	0	17	20	2.8	0		
8					0	0	15	14	.95	0		
9					0	0	20	12	8.1	0		
10					0	0	19	12	13	0		
11					0	0	16	6.9	9.0	0		
12					0	0	16	6.3	9.5	0		
13					0	.94	12	5.4	8.4	0		
14					0	.80	11	1.9	5.1	0		
15					0	.85	15	1.4	6.6	0		
16					0	.47	16	1.1	6.4	0		
17					0	1.2	18	.89	6.4	0		
18					0	.60	23	.79	6.1	0		
19					0	.78	22	5.3	5.8	0		
20					0	.15	20	12	5.5	0		
21					0	.12	1.9	16	8.5	0		
22					0	.10	1.4	16	6.6	0		
23					0	.21	1.2	14	6.9	0		
24					0	2.8	1.2	14	8.2	0		
25					0	4.4	.93	21	0	0		
26					0	5.8	.94	21	0	0		
27					0	7.0	7.5	21	0	0		
28					0	6.6	20	3.7	0	0		
29		-----			0	7.2	19	1.8	0	0		
30		-----			0	10	18	1.1	0	0		
31		-----		-----	0	-----	20	.95	-----	0	-----	
TOTAL					0	50.02	437.07	307.53	148.63	0		
MEAN					0	1.67	14.1	9.92	4.95	0		
MAX					0	10	23	21	13	0		
MIN					0	0	.93	.79	0	0		
AC-FT					0	99	867	610	295	0		

CALENDAR YEAR 1991.--MAX 23 MIN 0 AC-FT 1,870

# NORTH PLATTE RIVER BASIN

PAISLEY CANAL from Blue Creek - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	5.7	16	0	1.0	18		
2					0	5.6	15	0	.91	18		
3					0	5.3	15	0	1.1	18		
4					0	4.9	15	1.9	7.4	18		
5					0	3.2	9.3	4.8	14	18		
6					0	3.4	6.0	4.2	14	18		
7					0	4.8	6.2	7.4	14	18		
8					0	3.4	6.5	5.5	14	18		
9					7.9	1.4	7.5	4.4	15	18		
10					16	0	4.5	4.0	16	18		
11					17	0	0	3.8	18	13		
12					17	0	2.0	8.1	18	7.0		
13					17	0	4.7	12	17	7.0		
14					17	0	4.1	12	18	4.0		
15					18	0	3.2	13	18	0		
16					17	0	3.1	16	17	0		
17					14	0	2.1	16	17	0		
18					5.6	0	0	17	17	0		
19					0	6.1	0	15	17	0		
20					0	10	0	15	17	0		
21					0	13	0	15	17	0		
22					9.6	12	0	15	16	0		
23					16	17	0	15	17	0		
24					14	13	0	14	17	0		
25					13	14	0	12	17	0		
26					11	14	0	12	17	0		
27					9.9	14	1.1	12	17	0		
28					8.7	13	6.7	7.8	17	0		
29		-----			12	15	10	.86	16	0		
30		-----			7.2	15	11	1.3	17	0		
31		-----		-----	5.6	-----	8.8	.90	-----	0	-----	
TOTAL					253.5	193.8	157.8	265.96	439.41	211.0		
MEAN					8.18	6.46	5.09	8.58	14.6	6.81		
MAX					18	17	16	17	18	18		
MIN					0	0	0	0	.91	0		
AC-FT					503	384	313	528	872	419		

CALENDAR YEAR 1991.--MAX 18 MIN 0 AC-FT 3,020

## NORTH PLATTE RIVER BASIN

BLUE CREEK CANAL from Blue Creek &amp; Crescent Lake - 1991

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

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	15	36	31	31		
2					0	0	0	37	34	31		
3					0	0	18	37	30	31		
4					0	0	36	38	0	31		
5					0	0	37	39	18	10		
6					0	0	36	37	34	9.0		
7					0	0	36	40	35	8.0		
8					0	0	36	38	36	9.0		
9					0	0	38	37	38	10		
10					0	0	39	35	39	10		
11					0	0	33	34	43	11		
12					0	0	40	37	36	11		
13					0	0	37	37	35	11		
14					0	0	37	36	35	4.0		
15					0	0	39	35	36	0		
16					0	14	39	37	33	0		
17					0	22	38	37	32	0		
18					0	.36	34	37	15	0		
19					0	0	35	38	20	0		
20					0	0	38	36	38	0		
21					0	0	36	37	38	0		
22					0	0	36	37	38	0		
23					0	0	38	37	35	0		
24					0	7.8	36	37	38	0		
25					0	25	34	38	38	0		
26					0	23	34	37	34	0		
27					0	20	36	37	30	0		
28					0	28	35	36	31	0		
29		-----			0	30	36	36	27	0		
30		-----			0	34	36	34	31	0		
31		-----	-----	-----	0	-----	35	32	-----	0	-----	
TOTAL					0	204.16	1,053	1,136	958	217.0		
MEAN					0	6.81	34.0	36.6	31.9	7.00		
MAX					0	34	40	40	43	31		
MIN					0	0	0	32	0	0		
AC-FT					0	405	2,090	2,250	1,900	430		

CALENDAR YEAR 1991.--MAX 43 MIN 0 AC-FT 7,080

# NORTH PLATTE RIVER BASIN

HOOPER CANAL from Blue Creek - 1991

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

REMARKS.--a = missing gage height record

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0 a	.80	11 a	13 a	4.0a	11 a		
2					0 a	.82	12 a	12 a	3.0a	8.0a		
3					0 a	.81	11	8.0a	4.0a	9.0a		
4					3.0 a	.75	11	7.0a	1.0a	6.0a		
5					4.0 a	.73	12	11 a	1.0a	3.0a		
6					4.0 a	.68	13	13 a	3.0a	1.0a		
7					4.0 a	.67	11	13 a	5.0a	1.0a		
8					5.0 a	.61	12	11 a	1.0a	1.0a		
9					6.0 a	.65	12	12 a	1.0a	1.0a		
10					7.0 a	.68	12	12 a	1.0a	1.0a		
11					4.0 a	.63	14	8.0a	1.0a	1.0a		
12					1.0 a	.61	11	5.0a	2.0a	1.0a		
13					1.0 a	.34	11	5.0a	3.0a	1.0a		
14					7.0 a	0	11	6.0a	4.0a	1.0a		
15					13 a	0	10	6.0a	5.0a	0 a		
16					9.9	0	11	8.0a	4.0a	0 a		
17					5.4	2.4	13	8.0a	4.0a	0		
18					1.2	3.3	13	3.0a	3.0a	0		
19					.69	4.0 a	12 a	1.0a	3.0a	0		
20					4.9	4.3	13 a	1.0a	4.0a	0		
21					1.0 a	.83	12 a	4.0a	4.0a	0		
22					3.0 a	.61	12 a	5.0a	2.0a	0		
23					3.7	.61	13 a	6.0a	2.0a	0		
24					4.2	.61	13 a	6.0a	3.0a	0		
25					.73	.58	11 a	10 a	2.0a	0		
26					.75	.57	11 a	11 a	9.0a	0		
27					.76	.52	9.0a	12 a	11 a	0		
28					.70	1.1	7.0a	11 a	9.0a	0		
29		-----			.61	3.6	5.0a	8.0a	1.0a	0		
30		-----			1.0 a	9.4	10 a	5.0a	9.0a	0		
31		-----		-----	.75	-----	10 a	4.0	-----	0	-----	
TOTAL					98.29	41.21	349.0	245.0	109.0	46.0		
MEAN					3.17	1.37	11.3	7.90	3.63	1.48		
MAX					13	9.4	14	13	11	11		
MIN					0	0	5.0	1.0	1.0	0		
AC-FT					195	82	692	486	216	91		

CALENDAR YEAR 1991.--MAX 14 MIN 0 AC-FT 1,760

NORTH PLATTE RIVER BASIN

UNION CANAL from Blue Creek - 1991

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

REMARKS.--E = Estimated discharge

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	12	17	0	7.0		
2					0	0	16	15	0	7.0		
3					0	0	14	16	9.0	8.0		
4					0	0	15	14	18	8.0E		
5					0	0	15	11	11	9.0E		
6					0	0	16	14	10	9.0E		
7					0	0	16	14	8.5	9.0		
8					0	0	15	14	11	9.0		
9					0	0	15	14	12	6.0		
10					0	0	15	12	11	5.0		
11					0	0	17	14	11	2.0		
12					0	0	15	13	11	0		
13					0	0	16	10	11	0		
14					0	0	16	10	11	0		
15					0	0	14	8.4	11	0		
16					0	0	14	7.1	11	0		
17					0	0	16	7.2	10	0		
18					0	0	17	12	8.0	0		
19					0	0	16	14	9.0	0		
20					0	0	16	16	10	0		
21					0	0	15	16	8.0	0		
22					0	0	15	16	9.0	0		
23					0	0	13	15	7.0	0		
24					0	0	11	16	4.0	0		
25					0	0	10	15	7.0	0		
26					0	0	10	16	6.0	0		
27					0	0	9.0	17	9.0	0		
28					0	0	8.0	8.0E	10	0		
29		-----			0	0	12	0	10	0		
30		-----			0	.83	14	0	7.0	0		
31		-----		-----	0	-----	16	0	-----	0	-----	
TOTAL					0	0.83	439.0	371.7	270.5	79.0		
MEAN					0	.028	14.2	12.0	9.02	2.55		
MAX					0	.83	17	17	18	9.0		
MIN					0	0	8.0	0	0	0		
AC-FT					0	1.6	871	737	537	157		

CALENDAR YEAR 1991.--MAX 18 MIN 0 AC-FT 2,300

# NORTH PLATTE RIVER BASIN

GRAF CANAL from Blue Creek - 1991

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

REMARKS.--a = missing gage height record

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	0 a	6.0	14	12 a		
2					0	0	0 a	12	14	12 a		
3					0	0	0 a	13	14	13 a		
4					0	0	0 a	13	12	11 a		
5					0	0	0 a	12	13	10 a		
6					0	0	0 a	9.0	12	9.0 a		
7					0	0	0 a	9.6	12	8.0 a		
8					0	0	0 a	13	12	5.0 a		
9					0	0	0 a	12	12	5.0 a		
10					0	0	5.0 a	13	12	6.0 a		
11					0	0	15	14	12	7.0 a		
12					0	0	16	15	13	7.0 a		
13					0	0	8.1	14	13	7.0 a		
14					0	0	7.8	13	13	17 a		
15					0	0	7.3	13	13	22 a		
16					0	0	7.0	12	12	6.0 a		
17					0	0	4.7	9.1	12 a	3.0 a		
18					0	0	9.1	9.1	11 a	2.0 a		
19					0	0	9.6	13	10 a	3.0 a		
20					0	0	4.6	12	10 a	3.0 a		
21					0	0	.10	9.8	10 a	0		
22					0	0	.02	8.4	10 a	0		
23					0	0	0	8.3	10	0		
24					0	0	0	7.5	11	0		
25					0	0	0	7.8	10 a	0		
26					0	0	0	5.0	10 a	0		
27					0	0	0	1.9	10 a	0		
28					0	0	0	.20	10 a	0		
29		-----			0	0	0	.15	10 a	0		
30		-----			0	0	.42	.03	11 a	0		
31		-----		-----	0	-----	1.5	13	-----	0	-----	
TOTAL					0	0	96.24	298.88	348	168.0		
MEAN					0	0	3.10	9.64	11.6	5.42		
MAX					0	0	16	15	14	22		
MIN					0	0	0	.03	10	0		
AC-FT					0	0	191	593	690	333		

CALENDAR YEAR 1991.--MAX 22 MIN 0 AC-FT 1,810

NORTH PLATTE RIVER BASIN

BLUE CREEK near Lewellen - 1991

LOCATION.--NE1/4 Sec. 30-16-42 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--Oct. 1930 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Calendar year summary values are for the whole year.  
e = estimated discharge

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										7.5	94	90e
2										11	70e	90e
3										17	88e	90e
4										22	86e	90
5										30	100e	94
6										34	108	96
7										46	99	97
8										49	96	96
9										52	98	95
10										58	98	93
11										67	101	93
12										78	98	92
13										76	95	92
14										84	93	91
15										98	92	88
16										96	93	91
17										100	101	90
18										97	100	89
19										94	97	88
20										95	94	90
21										99	92	90
22										93	91	89
23										89	88	88
24										88	88	88
25										88	89	87
26										88	92	86
27										89	93	87
28										98	94	89
29		-----								97	94	94
30		-----								86	92	94
31		-----		-----		-----			-----	96	-----	94
TOTAL										2,222.5	2,814	2,821
MEAN										71.7	93.8	91.0
MAX										100	108	97
MIN										7.5	70	86
AC-FT										4,410	5,580	5,600
CALENDAR YEAR 1991.--TOTAL	26,140.229											
MEAN				71.6								
MAX						119						
MIN									0			
AC-FT										51,850		



# NORTH PLATTE RIVER BASIN

NORTH PLATTE RIVER near Lewellen - 1991

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

GAGE.--Continuous stage recorder

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

REMARKS.--Published by U. S. Geological Survey through Water Year 1991. Calendar year summary values are for the whole year.  
e = estimated discharge

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										1,400	1,150	1,070
2										1,410	1,000e	1,020
3										1,420	1,060e	1,040
4										1,400	1,200e	1,180
5										1,390	1,350e	1,260
6										1,380	1,200e	1,190
7										1,390	1,200e	1,160
8										1,430	1,200e	1,170
9										1,400	1,160e	1,150
10										1,380	1,120e	1,100
11										1,340	1,180	1,060
12										1,310	1,210	1,050
13										1,330	1,180	1,070
14										1,330	1,170	1,020
15										1,320	1,170	986
16										1,300	1,180	982
17										1,320	1,280	977
18										1,310	1,280	970
19										1,250	1,180	971
20										1,250	1,130	1,020
21										1,240	1,110	1,040
22										1,230	1,110	1,060
23										1,210	1,110	1,060
24										1,210	1,060	1,040
25										1,200	1,070	981
26										1,190	1,130	1,010
27										1,210	1,120	1,000
28										1,340	1,130	1,040
29		-----								1,270	1,170	1,060
30		-----								1,170	1,140	1,050
31		-----		-----		-----			-----	1,160	-----	1,040
TOTAL										40,490	34,750	32,827
MEAN										1,306	1,158	1,059
MAX										1,430	1,350	1,260
MIN										1,160	1,000	970
AC-FT										80,310	68,930	65,110

CALENDAR YEAR 1991.--TOTAL      347,625      MEAN      950      MAX      3,750      MIN      213      AC-FT      689,500

## NORTH PLATTE RIVER BASIN

KINGSLEY RESERVOIR from North Platte River - 1991

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

GAGE.--Stage recorder

PERIOD OF RECORD.--1941 - 1988, 1990 - present

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 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1,023,600	1,060,400	1,109,300	1,152,600	1,175,800	1,211,100	1,251,900	1,015,000	838,400	854,100	924,600	985,200
2	1,025,700	1,062,600	1,111,600	1,154,900	1,178,100	1,211,100	1,244,700	1,008,600	836,400	856,100	926,700	985,200
3	1,025,700	1,064,800	1,113,800	1,154,900	1,180,400	1,213,500	1,237,400	1,000,000	832,500	858,100	928,800	987,300
4	1,027,900	1,067,000	1,113,800	1,157,200	1,182,800	1,215,900	1,230,200	993,600	830,600	860,100	930,800	987,300
5	1,027,900	1,067,000	1,116,100	1,159,500	1,182,800	1,218,300	1,223,000	985,200	828,600	862,100	934,900	989,400
6	1,027,900	1,069,200	1,116,100	1,159,500	1,185,200	1,220,600	1,215,900	978,800	828,600	864,100	937,000	991,500
7	1,030,000	1,071,400	1,118,400	1,161,900	1,185,200	1,223,000	1,206,400	972,500	826,600	868,000	939,100	993,600
8	1,030,000	1,073,600	1,120,600	1,161,900	1,185,200	1,225,400	1,199,200	966,200	824,700	870,000	941,200	995,800
9	1,032,200	1,075,800	1,120,600	1,161,900	1,185,200	1,227,800	1,189,800	957,800	824,700	872,000	943,200	997,900
10	1,032,200	1,078,100	1,122,900	1,164,200	1,185,200	1,232,600	1,182,800	951,600	822,800	876,000	947,400	1,000,000
11	1,034,400	1,080,300	1,122,900	1,164,200	1,185,200	1,235,000	1,175,800	945,300	824,700	878,000	949,500	1,002,100
12	1,034,400	1,082,500	1,125,200	1,164,200	1,187,500	1,239,900	1,166,500	941,200	826,600	880,000	951,600	1,002,100
13	1,036,500	1,084,700	1,127,500	1,166,500	1,187,500	1,244,700	1,159,500	937,000	828,600	882,000	953,600	1,004,300
14	1,038,700	1,086,900	1,127,500	1,166,500	1,187,500	1,249,500	1,152,600	930,800	828,600	884,000	955,700	1,006,400
15	1,038,700	1,086,900	1,129,700	1,166,500	1,187,500	1,254,400	1,143,400	926,700	830,600	886,000	957,800	1,008,600
16	1,040,800	1,089,100	1,132,000	1,168,800	1,187,500	1,259,300	1,134,300	922,600	830,600	888,100	959,900	1,008,600
17	1,043,000	1,091,400	1,132,000	1,168,800	1,187,500	1,261,700	1,127,500	918,500	832,500	890,100	962,000	1,010,700
18	1,045,200	1,093,600	1,134,300	1,168,800	1,189,800	1,264,100	1,118,400	914,400	832,500	892,100	964,100	1,010,700
19	1,045,200	1,093,600	1,136,600	1,171,100	1,192,200	1,269,000	1,109,300	908,300	834,400	896,100	966,200	1,012,800
20	1,047,400	1,095,900	1,138,900	1,171,100	1,192,200	1,271,500	1,102,600	904,200	834,400	898,100	968,300	1,015,000
21	1,049,500	1,098,100	1,138,900	1,173,500	1,194,600	1,273,900	1,093,600	898,100	836,400	900,200	970,400	1,017,100
22	1,049,500	1,098,100	1,141,200	1,173,500	1,194,600	1,273,900	1,086,900	892,100	836,400	902,200	972,500	1,017,100
23	1,051,700	1,100,300	1,141,200	1,173,500	1,196,900	1,273,900	1,078,100	886,000	838,400	904,200	974,600	1,019,300
24	1,053,900	1,102,600	1,143,400	1,175,800	1,199,200	1,276,400	1,071,400	878,000	840,300	906,200	976,700	1,019,300
25	1,053,900	1,104,800	1,143,400	1,175,800	1,201,600	1,276,400	1,062,600	872,000	842,300	908,300	976,700	1,021,400
26	1,056,100	1,104,800	1,145,700	1,175,800	1,201,600	1,273,900	1,056,100	864,100	844,300	910,300	978,800	1,021,400
27	1,056,100	1,107,100	1,145,700	1,178,100	1,204,000	1,269,000	1,049,500	858,100	846,200	912,300	978,800	1,023,600
28	1,058,300	1,109,300	1,148,000	1,178,100	1,204,000	1,266,600	1,043,000	852,200	848,200	916,400	980,900	1,025,700
29	1,058,300	-----	1,150,300	1,178,100	1,206,400	1,261,700	1,036,500	848,200	850,200	918,500	980,900	1,025,700
30	1,058,300	-----	1,150,300	1,175,800	1,206,400	1,256,800	1,027,900	844,300	852,200	920,500	983,000	1,027,900
31	1,060,400	-----	1,152,600	-----	1,208,700	-----	1,021,400	840,300	-----	922,600	-----	1,027,900
MAX	1,060,400	1,109,300	1,152,600	1,178,100	1,208,700	1,276,400	1,251,900	1,015,000	852,200	922,600	983,000	1,027,900
MIN	1,023,600	1,060,400	1,109,300	1,152,600	1,175,800	1,211,100	1,021,400	840,300	822,800	854,100	924,600	985,200
CHANGE	36,800	48,900	43,300	23,200	32,900	48,100	-235,400	-181,100	11,900	70,400	60,400	44,900

CALENDAR YEAR 1991.--MEAN 1,050,689      MAX 1,276,400      MIN 822,800

# NORTH & SOUTH PLATTE RIVERS

SUTHERLAND CANAL from North Platte River and Kingsley Reservoir - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	519	299	134	247	407	317	1,600	1,720	1,360	343	0	488
2	526	301	139	245	413	315	1,770	1,730	1,250	325	0	379
3	531	300	228	246	363	315	1,830	1,730	1,140	237	0	316
4	530	295	258	247	307	315	1,830	1,730	1,060	168	0	312
5	532	286	258	243	284	312	1,820	1,740	993	62	0	316
6	535	255	265	242	301	314	1,830	1,730	858	0	0	309
7	521	251	260	242	384	313	1,830	1,720	746	0	0	307
8	500	257	252	243	378	300	1,830	1,720	745	0	0	308
9	491	258	249	249	374	295	1,840	1,720	751	0	0	309
10	472	258	253	261	376	296	1,830	1,710	752	0	0	310
11	425	255	250	256	374	298	1,830	1,710	751	0	0	311
12	399	258	248	258	374	298	1,830	1,710	726	0	0	310
13	395	255	249	348	394	297	1,830	1,710	676	0	96	308
14	394	260	255	365	473	300	1,840	1,720	623	0	261	314
15	342	263	253	366	532	301	1,840	1,720	607	0	318	310
16	300	256	251	390	560	300	1,840	1,720	501	0	317	309
17	301	260	252	429	564	301	1,840	1,720	403	0	319	313
18	305	261	254	457	548	302	1,840	1,720	368	0	322	313
19	303	198	256	497	526	302	1,830	1,720	366	0	321	312
20	303	181	249	500	503	295	1,820	1,720	366	0	324	310
21	304	236	251	503	475	297	1,800	1,720	363	0	322	311
22	296	240	260	503	450	297	1,800	1,720	369	0	329	311
23	296	174	250	502	428	295	1,790	1,730	366	0	326	310
24	298	173	243	504	430	346	1,780	1,730	368	0	330	314
25	298	196	239	511	434	558	1,770	1,730	367	0	331	313
26	297	257	246	509	432	764	1,760	1,730	359	0	330	311
27	293	261	252	513	415	980	1,750	1,730	359	0	332	312
28	296	210	253	517	420	1,140	1,740	1,730	358	0	346	311
29	304	-----	255	498	406	1,260	1,740	1,740	350	0	485	311
30	304	-----	252	425	319	1,410	1,720	1,680	345	0	525	312
31	304	-----	251	-----	316	-----	1,730	1,450	-----	0	-----	310
TOTAL	11,914	6,954	7,565	11,316	12,960	13,433	55,730	53,110	18,646	1,135	5,934	9,890
MEAN	384	248	244	377	418	448	1,798	1,713	622	36.6	198	319
MAX	535	301	265	517	564	1,410	1,840	1,740	1,360	343	525	488
MIN	293	173	134	242	284	295	1,600	1,450	345	0	0	307
AC-FT	23,630	13,790	15,010	22,450	25,710	26,640	110,500	105,300	36,980	2,250	11,770	19,620

CALENDAR YEAR 1991.--MAX 1,840 MIN 0 AC-FT 413,700

## NORTH &amp; SOUTH PLATTE RIVERS

SUTHERLAND (KORTY) CANAL from South Platte River - 1991

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 in Excess of 80 Per Cent

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	104	601	411	293	100	148	14	0	0	126	53	25
2	107	616	410	320	112	148	11	0	0	114	47	18
3	102	595	412	337	241	139	10	0	0	114	43	18
4	92	614	407	354	258	168	10	0	0	114	49	23
5	119	604S	407	359	238	188	9.9	0	0	114	74	36
6	155	609	408	362	201	210	9.7	0	0	114	126	68
7	187	651S	397	360	160	257	9.7	0	0	54	99	95
8	207	636	364	357	152	536	9.7	0	0	0	97	160
9	270	601	394	339	150	623	8.2	0	0	0	97	163
10	303	665	395	304	152	677	6.5	0	0	0	102	135
11	340	643	393	276	143	667	3.2	0	0	0	102	135
12	384	720	388	264	115	590	0	0	0	0	102	162
13	451	853	385	240	114	733	0	0	0	0	102	121
14	498	837	387	230	107	756	0	0	26	0	102	130
15	532	835	402	224	88	712	0	0	50	0	102	110
16	550	828	410	224	84	834	0	0	119	0	97	125
17	616	559	411	226	96	829	0	0	240	0	86	134
18	662S	567	412	234	117	802	0	0	317	0	86	129
19	670S	566	375	270	127	809	0	0	336	0	86	131
20	670S	571	390	264	128	912	0	0	335	0	85	159
21	658	560	351	239	128	800	0	0	336	0	84	202
22	628	521	363	223	109	628	0	0	336	0	83	206
23	600	481	298	213	104	634	0	0	334	0	69	175
24	577	447	252	202	89	456	0	0	321	0	56	150
25	495	403	232	188	100	391	0	0	269	0	50	150
26	531	396	231	171	116	281	0	0	258	0	49	155
27	611	388	230	141	121	225	0	0	239	0	50	147
28	613	400	232	140	118	148	0	0	212	0	50	131
29	566	-----	231	136	186	106	0	0	171	27	45	138
30	537	-----	231	116	211	49	0	0	140	51	41	172
31	573	-----	236	-----	188	-----	0	0	-----	53	-----	138
TOTAL	13,408	16,767	10,845	7,606	4,353	14,456	101.9	0	4,039	881	2,314	3,841
MEAN	433	599	350	254	140	482	3.29	0	135	28.4	77.1	124
MAX	670	853	412	362	258	912	14	0	336	126	126	206
MIN	92	388	230	116	84	49	0	0	0	0	41	18
AC-FT	26,590	33,260	21,510	15,090	8,630	28,670	202	0	8,010	1,750	4,590	7,620

CALENDAR YEAR 1991.--MAX 912 MIN 0 AC-FT 155,900

# NORTH & SOUTH PLATTE RIVERS

SUTHERLAND RESERVOIR from North Platte River - 1991

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

GAGE.--Staff gage

PERIOD OF RECORD.--1936 - present

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

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

## DAILY CONTENTS IN ACRE-FEET FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	36,300	50,800	61,200	59,800	61,600	64,400	59,700	55,200	49,100	54,900	41,300	40,200
2	36,500	51,400	60,800	59,700	61,600	64,100	58,700	54,500	49,600	54,900	40,900	40,500
3	36,600	52,000	60,400	59,900	62,300	63,900	57,900	54,700	50,100	54,600	40,500	40,800
4	36,600	52,500	60,300	60,300	62,700	63,400	57,300	54,600	50,600	54,400	40,100	40,700
5	36,900	53,100	60,200	60,500	62,900	62,500	57,300	54,400	50,900	53,800	39,700	40,500
6	37,100	53,600	60,300	60,600	63,000	61,800	57,100	54,200	51,100	53,200	39,300	40,400
7	37,200	54,200	60,300	60,700	63,100	61,600	56,900	54,200	51,300	52,500	39,200	40,400
8	37,400	54,800	60,300	60,800	63,100	61,400	57,100	54,700	51,300	52,000	38,900	40,600
9	37,500	55,300	60,400	60,900	63,100	61,700	56,800	54,000	51,400	51,600	38,700	40,900
10	38,300	55,700	60,000	61,000	63,200	62,400	56,500	53,400	51,000	50,700	38,400	41,200
11	38,500	56,100	59,900	60,800	63,300	62,900	56,500	53,100	51,500	50,100	38,200	41,300
12	38,900	56,900	59,800	60,600	63,300	63,300	56,800	53,300	51,600	49,500	37,900	41,600
13	39,300	57,700	60,000	60,500	63,100	63,600	56,900	54,300	51,600	48,900	37,700	41,600
14	39,800	59,100	60,100	60,300	63,000	63,700	56,700	53,800	52,000	48,200	37,000	41,600
15	40,500	59,400	60,100	60,100	63,000	64,700	56,100	53,500	52,100	47,800	36,800	41,600
16	41,300	59,700	60,200	59,900	63,100	65,200	55,800	53,300	52,100	47,400	37,300	41,600
17	41,900	60,000	60,600	59,800	63,300	66,000	55,400	53,600	52,200	46,900	37,300	41,700
18	42,400	60,400	60,800	59,300	63,400	66,000	55,000	53,800	52,400	46,500	37,900	41,800
19	42,900	60,600	61,100	59,700	63,600	66,000	54,700	53,700	52,800	46,100	38,300	41,800
20	44,100	61,000	61,300	60,400	63,600	66,000	54,600	53,000	53,300	45,800	38,500	42,000
21	44,800	60,900	61,400	60,800	63,700	66,000	54,900	52,400	53,600	45,300	38,800	42,200
22	45,500	61,000	61,400	61,100	63,700	65,300	54,200	51,800	54,200	45,100	38,900	42,500
23	46,100	61,200	61,500	61,300	63,700	64,700	54,200	51,200	54,700	44,700	39,000	43,000
24	46,500	61,200	61,100	61,500	63,600	64,200	55,200	51,000	54,800	44,300	39,100	43,100
25	47,300	61,100	60,800	61,400	63,700	63,700	55,400	50,600	55,400	44,000	39,100	43,200
26	47,900	61,000	60,600	61,400	63,600	63,400	55,800	49,800	55,400	43,600	39,300	43,400
27	48,100	61,100	60,600	61,200	63,700	62,900	55,400	49,100	55,400	43,200	39,400	43,500
28	48,600	61,200	60,300	61,500	63,800	62,700	55,100	48,500	55,300	43,000	39,400	43,700
29	49,400	-----	60,100	61,500	64,200	61,100	55,400	47,600	55,200	42,800	39,500	43,900
30	49,900	-----	60,100	61,600	64,600	60,300	55,700	47,700	55,100	42,000	39,800	44,100
31	50,300	-----	59,900	-----	64,300	-----	55,600	48,700	-----	41,700	-----	44,200

## NORTH &amp; SOUTH PLATTE RIVERS

MALONEY RESERVOIR from North Platte River - 1991

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 normal operating level	3006.0	19,450
Normal operating level	3005.0	17,800

## DAILY CONTENTS IN ACRE-FEET FOR 1991

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

# NORTH & SOUTH PLATTE RIVERS

SUTHERLAND POWER RETURN to the South Platte River - 1991

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

GAGE.--Differential pressure recorder

PERIOD OF RECORD.--1939 - present

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	380	385	445	325	380	355	1,525	1,580	1,010	310	100	100
2	385	385	465	310	320	355	1,675	1,570	795	310	125	165
3	370	385	465	325	320	485	1,635	1,460	680	310	100	160
4	370	385	465	325	320	450	1,530	1,455	670	305	100	230
5	370	385	465	325	320	630	1,730	1,385	675	315	100	230
6	370	385	465	325	320	470	1,650	1,325	610	315	90.0	230
7	370	385	465	345	320	450	1,400	1,315	610	315	90.0	90.0
8	415	385	465	330	320	455	1,370	1,385	610	290	90.0	90.0
9	390	385	465	330	320	375	1,460	1,505	610	205	90.0	160
10	390	385	465	330	320	380	1,435	1,610	565	150	90.0	160
11	385	385	390	330	320	380	1,365	1,485	510	200	90.0	165
12	385	385	385	385	315	380	1,345	1,305	510	160	95.0	175
13	385	385	385	385	315	380	1,450	1,300	510	85.0	90.0	200
14	385	385	385	385	315	450	1,535	1,425	460	55.0	90.0	200
15	385	460	385	385	320	440	1,530	1,460	460	25.0	90.0	200
16	385	460	385	390	315	450	1,535	1,430	340	25.0	90.0	200
17	385	460	385	385	315	575	1,535	1,330	390	120	90.0	175
18	385	460	430	385	315	725	1,535	1,330	350	85.0	90.0	175
19	385	465	415	390	315	880	1,535	1,465	305	85.0	90.0	175
20	385	475	410	385	315	880	1,500	1,615	305	85.0	100	175
21	385	465	410	380	315	880	1,495	1,695	220	55.0	100	180
22	385	465	410	380	315	880	1,530	1,750	305	25.0	100	175
23	385	465	410	380	315	880	1,445	1,695	220	25.0	100	205
24	385	465	410	380	315	880	1,265	1,610	220	25.0	100	205
25	385	465	410	380	315	755	1,215	1,695	230	25.0	100	205
26	385	465	360	380	315	880	1,270	1,690	310	25.0	100	205
27	385	465	360	380	315	880	1,400	1,750	310	25.0	100	205
28	385	465	360	380	315	1,000	1,425	1,750	310	25.0	105	205
29	385	-----	360	380	320	1,195	1,365	1,700	310	25.0	100	205
30	385	-----	355	380	345	1,360	1,430	1,395	310	90.0	100	205
31	385	-----	355	-----	345	-----	1,545	1,260	-----	90.0	-----	190
TOTAL	11,895	11,890	12,785	10,875	9,950	19,535	45,660	46,725	13,720	4,185.0	2,895.0	5,640.0
MEAN	384	425	412	363	321	651	1,473	1,507	457	135	96.5	182
MAX	415	475	465	390	380	1,360	1,730	1,750	1,010	315	125	230
MIN	370	385	355	310	315	355	1,215	1,260	220	25.0	90.0	90.0
AC-FT	23,594	23,584	25,359	21,571	19,736	38,748	90,567	92,679	27,214	8,301	5,742	11,187

CALENDAR YEAR 1991.--MAX 1,750 MIN 25.0 AC-FT 388,280

## NORTH PLATTE RIVER BASIN

KEITH - LINCOLN COUNTY CANAL from North Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	2.5	24	83	102	83			
2				0	1.3	24	88	101	82			
3				0	.40	23	104	101	81			
4				0	.04	21	111	102	79			
5				0	0	19	112	98	78			
6				0	0	19	113	98	77			
7				0	26	19	118	97	74			
8				0	30	20	113	94	72			
9				0	30	20	104	94	65			
10				0	30	23	101	95	64			
11				0	30	22	104	95	61			
12				0	31	22	106	91	54			
13				0	31	22	104	94	48			
14				0	31	22	107	96	47			
15				0	31	22	108	97	34			
16				0	33	23	104	96	23			
17				0	32	9.5	106	91	23			
18				0	28	0	99	90	23			
19				0	29	0	98	88	11			
20				0	29	13	101	85	0			
21				0	28	58	108	86	0			
22				0	28	58	106	88	0			
23				0	28	34	105	86	0			
24				0	27	48	104	85	0			
25				0	26	69	104	84	0			
26				0	25	67	103	85	0			
27				3.3	25	67	102	86	0			
28				7.8	36	69	103	85	0			
29		-----		45	52	75	103	84	0			
30		-----		4.1	38	83	102	76	0			
31		-----		-----	24	-----	101	85	-----		-----	
TOTAL				60.2	762.24	995.5	3,225	2,835	1,079			
MEAN				2.01	24.6	33.2	104	91.5	36.0			
MAX				45	52	83	118	102	83			
MIN				0	0	0	83	76	0			
AC-FT				119	1,510	1,970	6,400	5,620	2,140			

CALENDAR YEAR 1991.--MAX 118 MIN 0 AC-FT 17,770



# NORTH PLATTE RIVER BASIN

NORTH PLATTE CANAL from North Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	54	0	331	247	209			
2				0	54	0	326	260	203			
3				0	61	0	324	260	195			
4				0	60	5.7	314	260	188			
5				0	57	84	315	253	185			
6				0	54	83	320	235	183			
7				0	48	83	326	217	183			
8				0	46	82	331	201	174			
9				0	46	81	337	198	149			
10				0	43	82	336	196	116			
11				0	43	82	320	195	41			
12				0	40	82	304	191	0			
13				0	49	84	295	196	0			
14				0	71	90	287	196	0			
15				0	70	111	283	206	0			
16				0	72	126	275	219	0			
17				0	76	133	271	220	0			
18				0	76	146	269	222	0			
19				0	75	147	285	246	0			
20				0	76	147	285	268	0			
21				0	75	189	280	259	0			
22				0	75	188	276	233	0			
23				0	75	158	282	231	0			
24				21	74	140	228	205	0			
25				81	76	140	205	201	0			
26				66	75	219	190	200	0			
27				56	73	227	189	194	0			
28				53	75	240	200	197	0			
29		-----		54	44	264	230	197	0			
30		-----		55	11	286	246	196	0			
31		-----		-----	6.7	-----	250	203	-----		-----	
TOTAL				386	1,830.7	3,699.7	8,710	6,802	1,826			
MEAN				12.9	59.1	123	281	219	60.9			
MAX				81	76	286	337	268	209			
MIN				0	6.7	0	189	191	0			
AC-FT				766	3,630	7,340	17,280	13,490	3,620			

CALENDAR YEAR 1991.--MAX 337 MIN 0 AC-FT 46,130

NORTH PLATTE RIVER BASIN

PAXTON-HERSHEY CANAL from North Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	98	100	66			
2					0	0	101	103	15			
3					0	0	101	103	7.1			
4					0	1.6	100	96	33			
5					0	14	100	78	48			
6					0	20	100	70	45			
7					1.4	20	101	72	51			
8					18	19	100	74	58			
9					25	15	106	72	61			
10					22	18	107	65	56			
11					21	16	109	57	40			
12					19	18	107	58	17			
13					12	20	105	62	0			
14					0	25	104	76	0			
15					0	25	101	91	2.9			
16					6.8	26	98	95	6.6			
17					30	30	101	82	2.1			
18					31	37	107	79	1.9			
19					31	38	108	86	3.7			
20					30	41	107	86	2.1			
21					29	43	107	93	0			
22					27	51	108	84	0			
23					20	58	106	82	0			
24					5.8	62	90	81	0			
25					29	63	63	81	0			
26					29	65	56	83	0			
27					27	82	60	87	0			
28					14	93	63	89	0			
29		-----			0	95	76	89	0			
30		-----			0	94	86	86	0			
31		-----		-----	0	-----	98	85	-----		-----	
TOTAL					428.0	1,089.6	2,974	2,545	516.4			
MEAN					13.8	36.3	95.9	82.1	17.2			
MAX					31	95	109	103	66			
MIN					0	0	56	57	0			
AC-FT					849	2,160	5,900	5,050	1,020			

CALENDAR YEAR 1991.--MAX 109 MIN 0 AC-FT 14,980

# NORTH PLATTE RIVER BASIN

275

NORTH PLATTE RIVER near Sutherland - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1917, 1931 - 1933, 1935, Irrigation season only, 1936 - present, continuous 12 month record.

REMARKS.--Published by U. S. Geological Survey through Water Year 1991  
 Calendar year summary values are for the whole year.  
 e = estimated discharge

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										114	150e	130
2										109	148e	135
3										108	140e	145
4										127	150e	156
5										126	154e	146
6										121	160e	140
7										120	188	138
8										121	190	137
9										138	181	131
10										145	176	126
11										153	176	127
12										159	173	133
13										167	169	131
14										170	155	126
15										171	150	130
16										169	146	131
17										166	184	129
18										157	183	124
19										157	164	119
20										164	145	120
21										163	141	121
22										161	135	122
23										154	130	123
24										154	124	127
25										154	127	128
26										156	127	126
27										158	130	121
28										156e	130	122
29		-----								156e	133	122
30		-----								154e	131	123
31		-----		-----		-----			-----	152e	-----	123
TOTAL										4,580	4,590	4,012
MEAN										148	153	129
MAX										171	190	156
MIN										108	124	119
AC-FT										9,080	9,100	7,960
CALENDAR YEAR 1991.--TOTAL			143,961	MEAN	394	MAX	1550	MIN	30	AC-FT	285,540	

## NORTH PLATTE RIVER BASIN

BIRDWOOD CANAL from Birdwood Creek - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	41	12	26	20		
2						0	22	11	29	19		
3						0	16	9.5	30	17		
4						0	18	8.0	33	16		
5						0	24	18	37	15		
6						0	30	32	38	11		
7						0	27	32	38	11		
8						0	27	35	41	15		
9						0	36	34	33	14		
10						0	49	34	27	0		
11						0	57	33	26	0		
12						0	62	36	37	0		
13						0	63	36	16	0		
14						0	64	32	.19	0		
15						0	68	29	.40	0		
16						0	49	27	1.2	0		
17						0	33	24	2.1	0		
18						0	31	26	2.5	0		
19						0	20	26	1.1	0		
20						0	23	30	1.9	0		
21						0	25	28	7.0	0		
22						0	27	27	22	0		
23						0	32	27	21	0		
24						0	37	29	20	0		
25						0	32	30	20	0		
26						0	29	31	21	0		
27						0	29	33	23	0		
28						0	21	40	25	0		
29		-----				21	9.3	45	26	0		
30		-----				39	14	41	25	0		
31		-----		-----		-----	12	26	-----	0	-----	
TOTAL						60	1,027.3	881.5	630.39	138		
MEAN						2.00	33.1	28.4	21.0	4.45		
MAX						39	68	45	41	20		
MIN						0	9.3	8.0	.19	0		
AC-FT						119	2,040	1,750	1,250	274		

CALENDAR YEAR 1991.--MAX 68 MIN 0 AC-FT 5,430

# NORTH PLATTE RIVER BASIN

BIRDWOOD CREEK near Hershey - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--May 1931 - present

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Calendar year summary values are for the whole year.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										139	154	155
2										139	147	158
3										140	144	156
4										146	142	159
5										140	148	166
6										140	158	167
7										143	149	166
8										141	153	166
9										143	159	163
10										143	155	161
11										141	158	161
12										144	154	165
13										149	152	162
14										145	151	157
15										145	148	158
16										147	148	156
17										147	158	158
18										145	147	157
19										134	156	156
20										138	155	154
21										150	159	154
22										147	158	153
23										145	150	152
24										147	153	150
25										140	155	152
26										147	155	154
27										156	157	151
28										168	159	148
29		-----								141	160	149
30		-----								146	154	149
31		-----		-----		-----			-----	157	-----	147
TOTAL										4,493	4,596	4,860
MEAN										145	153	157
MAX										168	160	167
MIN										134	142	147
AC-FT										8,910	9,120	9,640
CALENDAR YEAR 1991.--TOTAL			54,434	MEAN	149	MAX	168	MIN	100	AC-FT	108,000	

## NORTH PLATTE RIVER BASIN

SUBURBAN CANAL from North Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	65	86	68			
2					0	0	78	91	69			
3					0	0	102	73	71			
4					0	0	114	71	70			
5					0	0	116	75	66			
6					0	42	115	70	64			
7					0	73	114	89	63			
8					0	62	112	83	65			
9					0	53	117	83	65			
10					0	51	120	96	57			
11					0	51	115	92	9.9			
12					0	50	115	77	12			
13					0	52	114	65	3.4			
14					0	57	112	78	0			
15					0	57	110	77	0			
16					0	55	112	74	0			
17					0	55	116	70	0			
18					0	61	123	68	0			
19					0	64	124	50	0			
20					0	62	122	56	0			
21					7.1	58	107	99	0			
22					71	58	108	92	0			
23					75	62	113	92	0			
24					31	63	107	88	0			
25					0	63	94	86	0			
26					0	60	82	85	0			
27					0	49	71	84	0			
28					8.0	54	70	81	0			
29		-----			54	67	69	78	0			
30		-----			0	69	69	65	0			
31		-----		-----	0	-----	75	49	-----		-----	
TOTAL					246.1	1,448	3,181	2,423	683.3			
MEAN					7.94	48.3	103	78.2	22.8			
MAX					75	73	124	99	71			
MIN					0	0	65	49	0			
AC-FT					488	2,870	6,310	4,810	1,360			

CALENDAR YEAR 1991.--MAX 124 MIN 0 AC-FT 15,830

# NORTH PLATTE RIVER BASIN

CODY-DILLON CANAL from North Platte River - 1991

LOCATION.--SE1/4NE1/4 Sec. 9-14-31 W. near North Platte

GAGE.--Continuous stage recorder and concrete control

PERIOD OF RECORD.--1919, 1921 - present

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	5.5	15	4.4	11		
2					0	0	8.1	15	5.8	11		
3					0	0	15	16	6.3	9.4		
4					0	0	19	21	16	5.3		
5					0	0	21	24	11	.67		
6					0	0	41	23	12	.68		
7					0	0	16	20	18	.37		
8					0	0	.11	16	18	.44		
9					0	0	12	22	13	.57		
10					0	0	26	24	17	.73		
11					0	0	29	22	28	.86		
12					0	0	27	19	28	.89		
13					0	0	25	12	30	.78		
14					0	0	30	.09	24	.69		
15					0	0	33	2.5	19	.43		
16					0	0	34	8.3	18	0		
17					0	0	34	8.4	18	0		
18					0	0	31	21	17	0		
19					0	0	30	20	18	0		
20					0	0	28	22	19	0		
21					0	0	26	27	18	0		
22					0	0	25	29	11	0		
23					0	0	24	21	11	0		
24					0	0	14	19	11	0		
25					0	0	16	17	11	0		
26					0	0	22	15	12	0		
27					0	.65	24	15	11	0		
28					0	3.6	22	19	11	0		
29		-----			0	7.7	17	24	10	0		
30		-----			0	4.9	16	20	9.0	0		
31		-----		-----	0	-----	16	2.9	-----	0	-----	
TOTAL					0	16.85	686.71	540.19	455.5	43.81		
MEAN					0	.56	22.2	17.4	15.2	1.41		
MAX					0	7.7	41	29	30	11		
MIN					0	0	.11	.09	4.4	0		
AC-FT					0	33	1,360	1,070	903	87		

CALENDAR YEAR 1991.--MAX      41      MIN      0      AC-FT      3,460

## NORTH PLATTE RIVER BASIN

LINCOLN COUNTY DRAIN NO. 1 at North Platte - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1931 - 1932, 1955 - present

REMARKS.--e = estimated discharge

a = missing gage height record

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1991, 166 cubic feet per second on August 14 at gage height 2.33 ft.  
Minimum daily discharge, 17 cubic feet per second on April 10.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	30a	26	24	19	48	42	82	80	118	61	42	38
2	30a	26	24	19	37	41	80	84	119	61	41	39
3	30a	26	26	19	42	40	71	93	102	60	42	39
4	30a	26	25	19	43	40	56	84	98	60	43	38
5	30a	26	24	19	54	49	54	90	106	59	43	38
6	30a	26	23	19	51	74	53	92	108	58	43	38
7	30	26	23	19	45	70	65	97	115	57	42	38
8	31	26	23	18	40	70	69	102	119	56	42	38
9	31	26	23	18	40	61	71	100	122	54	42	37
10	31	26	23	17	30	62	74	103	120	53	42	37
11	31	26	23	17	38	51	72	116	131	52	42	37
12	31	26	23	18	37	44	69	139	96	51	41	38
13	31	25	23	18	36	42	72	128	90	50	41	37
14	31	25	23	19	47	42	71	125	90	50	41	37
15	30	24	23	20	53	40	90	115	85	49	40	37
16	29	25	22	19	58	49	93	119	82	48	41	37
17	29	25	23	19	63	54	93	120	79	47	43	37
18	29	25	22	19	65	67	81	125	76	45	42	36
19	28	24	22	20	62	74	88	103	74	45	42	37
20	27	24	22	20	62	72	89	85	73	44	41	36
21	28	24	21	21	57	76	97	87	71	44	41	36
22	28	24	22	22	58	84	98	86	68	44	40	36
23	28	24	21	21	60	86	112	95	67	43	40	36
24	27	25	21	21	58	79	128	99	66	43	40	36
25	27	25	21	30	60	81	116	99	66	43	40	36
26	27	25	21	54	58	88	114	90	65	42	40	35
27	27	24	21	45	54	90	115	85	64	41	40	35
28	27	24	21	45	53	67	112	89	64	44	39	35
29	27e	-----	20	49	65	74	93	88	62	42	39	34
30	27e	-----	20	48	48	75	75	99	61	41	39	34
31	27	-----	19	-----	43	-----	76	104	-----	42	-----	34
TOTAL	899	704	692	731	1,565	1,884	2,629	3,121	2,657	1,529	1,234	1,136
MEAN	29.0	25.1	22.3	24.4	50.5	62.8	84.8	101	88.6	49.3	41.1	36.6
MAX	31	26	26	54	65	90	128	139	131	61	43	39
MIN	27	24	19	17	30	40	53	80	61	41	39	34
AC-FT	1,780	1,400	1,370	1,450	3,100	3,740	5,210	6,190	5,270	3,030	2,450	2,250
CALENDAR YEAR 1991	TOTAL	18,781	MEAN	51.5	MAX	139	MIN	17	AC-FT	37,250		



# SOUTH PLATTE RIVER BASIN

LOGEPOLE CREEK at Bushnell - 1991

LOCATION.--Sec. 32-15-57 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--Oct. 1931 - present (records for Mar. - Sep. 1931 at a site 1.5 miles upstream are not equivalent because of irrigation diversions. Monthly discharges only for some periods).

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Calendar year summary values are for the whole year.  
e = estimated discharge

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										3.5	3.3	3.4
2										3.4	3.4	3.5
3										3.3	3.4	3.5
4										3.5	3.4	3.4
5										3.6	3.6	3.5
6										3.5	3.5	3.6
7										3.6	3.2	3.5
8										3.6	3.1	3.4
9										3.6	3.1	3.4
10										3.7	3.2	3.5
11										3.6	3.2	3.6
12										3.8	3.2	3.8
13										3.8	3.2	4.2
14										3.8	3.3	4.4
15										3.7	3.3	4.4
16										3.7	3.3	4.6
17										3.7	3.3	4.7
18										3.7	3.4	4.7
19										3.6	3.4	4.7
20										3.7	3.5	4.8
21										3.6	3.5	4.6a
22										3.6	3.3	4.8
23										3.4	3.2	4.8
24										3.5	3.2	4.8
25										3.5	3.5	4.7
26										3.6	3.3	4.7
27										3.6	3.4	4.6
28										3.2	3.4	4.7
29		-----								3.5	3.6	4.7
30		-----								3.4	3.1	4.6
31		-----		-----		-----			-----	3.4	-----	4.5
TOTAL										110.7	99.8	130.1
MEAN										3.57	3.33	4.20
MAX										3.8	3.6	4.8
MIN										3.2	3.1	3.4
AC-FT										220	198	258
CALENDAR YEAR 1991.--TOTAL			1,534.0	MEAN	4.20	MAX	74	MIN	1.6	AC-FT	3040	

SOUTH PLATTE RIVER BASIN

OLIVER RESERVOIR on Lodgepole Creek - 1991

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)
------	-------------------------

DAILY CONTENTS IN ACRE-FEET FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1												
2												
3						2,710						
4												
5												
6												
7											1,890	
8					2,670		2,550					
9									1,900			
10	2,420			2,670								2,020
11												
12								2,210				
13		2,590										
14			2,650									
15							2,520					
16												
17												
18									1,860			
19							2,420					
20												
21						2,670						
22												
23												
24					2,670							
25									1,840			
26												
27												
28	2,520											
29		-----										
30		-----										
31		-----		-----		-----			-----		-----	

# SOUTH PLATTE RIVER BASIN

LOGEPOLE CREEK below Oliver Reservoir - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1981 - present

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1991, 15.0 cubic feet per second on June 10 at gage height 1.21 feet.  
Minimum daily discharge, 0.30 cubic feet per second on January 15.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	.31	.36	.48	.95	.73	.97	1.7	1.7	3.1	.49	1.0	.54
2	.32	.41	.48	1.1	.97	1.1	1.5	1.7	3.0	.44	.78	.54
3	.42	.42	.49	1.7	.96	5.8	1.5	1.6	2.9	.40	.84	.54
4	.42	.42	.48	1.3	.98	8.5	1.6	1.5	3.1	.48	.85	.54
5	.42	.44	1.4	1.3	1.3	11	1.5	1.5	3.0	.49	.80	.54
6	.45	.48	.52	1.3	.98	13	1.4	1.6	3.1	.54	.80	.54
7	.56	.45	.57	1.4	.94	12	1.1	1.5	3.1	.57	.85	.49
8	.44	.42	.82	2.0	1.1	9.8	.98	2.0	3.0	.56	.86	.43
9	.46	.42	.39	1.6	.94	9.1	2.1	2.1	2.9	.60	.80	.42
10	.42	.45	.62	1.3	.87	14	1.4	2.2	2.5	.60	.78	.46
11	.32	.48	.54	1.3	.88	12	1.1	2.1	2.5	.60	.74	.47
12	.35	.48	1.8	1.6	1.4	8.9	1.2	2.4	2.7	.60	.84	.42
13	.33	.51	.49	1.6	.78	7.1	1.8	3.4	2.7	.67	.75	.42
14	.32	.48	.42	2.3	.73	6.0	2.2	4.8	2.9	.68	.81	.42
15	.30	.42	.37	1.4	.86	4.6	2.3	4.9	2.8	.55	.74	.42
16	.36	.46	.52	1.5	1.4	3.7	2.2	4.4	2.9	.66	.62	.42
17	.45	.48	.75	1.6	1.0	3.1	2.1	3.8	2.8	.77	.65	.42
18	.48	.48	.56	1.7	.96	2.6	2.2	3.5	2.6	.77	.71	.42
19	.45	.53	.63	1.8	1.1	2.4	2.3	3.5	2.4	.76	.72	.42
20	.42	.52	3.5	1.8	.97	2.0	2.1	3.5	2.5	.69	.64	.42
21	.42	.48	.54	1.8	.77	1.8	2.0	3.3	2.6	.76	.81	.42
22	.42	.48	.90	2.1	1.1	1.9	2.2	3.4	2.6	.72	.68	.47
23	.42	.48	1.4	2.1	.91	2.1	2.3	3.4	2.6	.68	.68	.48
24	.50	.48	.68	1.9	.96	1.8	2.3	3.2	2.6	.65	.63	.48
25	.51	.48	.70	1.9	1.3	1.7	2.1	3.3	1.5	.77	.60	.50
26	.48	.48	1.1	3.2	1.5	1.6	2.2	3.2	.63	.77	.60	.54
27	.48	.48	2.6	2.2	1.3	1.7	2.0	3.0	.67	.93	.60	.54
28	.42	.48	1.0	1.4	1.3	1.7	1.8	3.1	.53	.90	.60	.54
29	.42	-----	.97	1.6	1.1	1.7	1.9	3.1	.54	.71	.60	.52
30	.38	-----	1.3	1.0	.97	1.9	1.7	3.0	.55	.70	.59	.48
31	.36	-----	.96	-----	1.1	-----	1.7	3.0	-----	.81	-----	.48
TOTAL	12.81	12.95	27.98	49.75	32.16	155.57	56.48	88.7	71.32	20.32	21.97	14.74
MEAN	.41	.46	.90	1.66	1.04	5.19	1.82	2.86	2.38	.66	.73	.48
MAX	.56	.53	3.5	3.2	1.5	14	2.3	4.9	3.1	.93	1.0	.54
MIN	.30	.36	.37	.95	.73	.97	.98	1.5	.53	.40	.59	.42
AC-FT	25	26	55	99	64	309	112	176	141	40	44	29

CALENDAR YEAR 1991      TOTAL      564.75      MEAN      1.55      MAX      14      MIN      .30      AC-FT      1,120

## SOUTH PLATTE RIVER BASIN

WESTERN CANAL from South Platte River - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1918 - present

REMARKS.-- # =computations using spill to river data

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	55	101	69	33	61		
2					0	73	97	65	32	80		
3					0	76	94	61	30	72		
4					0	82	83	60	28	55		
5					24	90	77	63	33	53		
6					87	133#	76	53	78	44		
7					103	47#	73	52	73	41		
8					106	0#	72	60	72	39		
9					106	19#	67	67	74	41		
10					96	36#	66	75	89	37		
11					86	136#	74	119	142	36		
12					81	125#	74	175	166	30		
13					68	18#	69	161	108	24		
14					58	69#	68	137	83	28		
15					57	91#	70	85	151	42		
16					98	41#	63	80	134#	41		
17					108	70#	66	73	183#	28		
18					91	58#	67	52	128#	15		
19					91	169#	70	52	86#	11		
20					81	158#	70	48	75#	30		
21					76	90#	70	46	60#	50		
22					76	37#	68	47	47#	45		
23					77	91#	72	46	41#	45		
24					100	91	75	43	44#	45		
25					132	82	78	40	42	43		
26					94	79	71	37	35	43		
27					93	116	61	31	25	41		
28					92	160	54	40	60	27		
29		-----			100	148	105	50	73	0		
30		-----			69	117	105	48	67	0		
31		-----		-----	37	-----	76	41	-----	0	-----	
TOTAL					2,287	2,557	2,332	2,076	2,292	1,147		
MEAN					73.8	85.2	75.2	67.0	76.4	37.0		
MAX					132	169	105	175	183	80		
MIN					0	0	54	31	25	0		
AC-FT					4,540	5,070	4,630	4,120	4,550	2,280		

CALENDAR YEAR 1991.--MAX. 183 MIN 0 AC-FT 25,170

# PLATTE RIVER BASIN

TRI-COUNTY CANAL from Platte River - 1991

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

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	691	1,040	1,190	1,050	1,050	1,450	2,180	2,180	1,740	861	1,060	1,020
2	671	1,020	1,200	1,050	1,180	1,380	2,190	2,180	1,300	861	1,020	1,000
3	693	1,040	1,180	1,060	1,610	1,450	2,200	2,190	1,050	867	979	1,090
4	673	1,050	1,050	1,060	1,650	1,310	2,280	2,190	1,050	878	1,030	1,040
5	681	1,180	1,060	1,050	1,450	1,400	2,270	2,210	1,050	878	1,010	1,030
6	681	1,200	1,060	1,040	1,360	1,380	2,270	2,210	1,040	875	869	1,020
7	687	1,300	1,060	1,040	1,200	1,210	2,260	2,200	881	872	900	975
8	715	1,480	1,060	1,030	1,190	1,210	2,210	2,200	872	864	819	969
9	703	1,600	1,060	1,040	1,060	1,180	2,210	2,200	875	872	897	1,050
10	945	1,730	1,060	1,040	1,050	1,210	2,210	2,210	1,040	869	841	1,010
11	956	1,770	1,040	1,060	1,050	1,400	2,170	2,210	1,210	864	819	1,030
12	939	1,690	1,040	1,050	1,040	1,310	2,180	2,200	1,210	883	858	990
13	942	1,630	1,050	1,040	1,040	1,300	2,180	2,200	1,310	847	830	1,020
14	962	1,510	1,060	1,050	1,040	1,300	2,180	2,020	1,280	637	984	1,020
15	970	1,400	886	1,040	1,020	1,400	2,190	1,980	1,180	825	1,010	1,020
16	987	1,300	892	1,040	1,040	1,320	2,180	2,050	1,180	609	962	1,000
17	993	1,210	897	1,040	1,060	1,470	2,160	1,790	1,170	867	1,040	864
18	1,010	1,220	906	1,050	1,210	1,740	2,140	1,670	1,210	813	1,020	864
19	883	1,290	911	1,060	1,200	2,200	2,140	1,690	1,160	861	966	869
20	1,030	1,210	897	1,060	1,190	2,200	2,170	1,780	1,030	822	956	869
21	1,110	1,200	914	1,060	1,060	2,170	2,170	1,920	1,040	858	972	875
22	1,040	1,200	1,070	1,190	1,050	2,170	2,160	2,180	1,030	813	822	869
23	875	1,200	1,050	1,180	1,030	2,200	2,170	2,190	1,030	853	783	875
24	872	1,190	1,040	1,180	1,030	2,190	2,180	2,120	1,020	844	855	878
25	897	1,190	1,040	1,160	1,050	2,180	2,180	2,200	1,010	928	833	875
26	920	1,200	1,040	1,030	1,050	2,190	2,180	2,200	1,040	855	844	875
27	889	1,200	1,060	1,030	1,060	2,210	2,180	2,210	1,030	867	833	878
28	872	1,210	1,060	1,050	1,050	2,220	2,170	2,200	1,020	867	825	878
29	967	-----	1,070	1,060	1,080	2,210	2,170	2,000	1,020	897	1,140	878
30	897	-----	1,050	1,050	1,540	2,210	2,180	2,190	875	883	1,200	1,030
31	892	-----	1,050	-----	1,540	-----	2,180	2,180	-----	1,000	-----	1,030
TOTAL	27,043	36,460	32,003	31,940	36,230	50,770	67,890	65,150	32,953	26,390	27,977	29,691
MEAN	872	1,302	1,032	1,065	1,169	1,692	2,190	2,102	1,098	851	933	958
MAX	1,110	1,770	1,200	1,190	1,650	2,220	2,280	2,210	1,740	1,000	1,200	1,090
MIN	671	1,020	886	1,030	1,020	1,180	2,140	1,670	872	609	783	864
AC-FT	53,640	72,320	63,480	63,350	71,860	100,700	134,700	129,200	65,360	52,340	55,490	58,890
YEAR 1991	TOTAL	464,497	MEAN	1,273	MAX	2,280	MIN	609	AC-FT	921,300		

## PLATTE RIVER BASIN

JEFFREY RESERVOIR from Platte River - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1977 - present

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

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

## DAILY CONTENTS IN ACRE-FEET FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5,292	5,457	5,402	5,622	4,862	5,787	5,237	5,237	5,732	5,017	5,182	4,712
2	5,402	5,622	5,457	5,622	4,962	5,842	5,182	5,512	5,677	5,072	5,127	4,412
3	5,402	5,677	5,677	5,622	5,677	5,677	5,402	5,512	5,842	5,182	4,912	4,612
4	5,402	5,732	5,622	5,347	5,512	5,732	5,457	5,512	5,952	5,347	5,127	4,912
5	5,402	5,622	5,512	5,127	5,567	5,677	5,457	5,457	5,952	5,457	5,457	5,292
6	5,402	5,512	5,402	4,912	5,182	5,842	5,457	5,567	5,732	5,622	5,567	5,402
7	5,402	5,347	5,347	4,662	5,182	5,732	5,567	5,622	5,512	5,622	5,292	5,292
8	5,457	5,347	5,402	4,762	5,402	5,512	5,732	5,622	5,347	5,622	5,402	5,072
9	5,457	5,677	5,402	4,912	5,567	5,127	5,842	5,567	5,292	5,622	5,622	5,017
10	5,402	5,952	5,292	4,962	5,732	5,347	5,787	5,512	5,457	5,567	5,787	5,127
11	5,402	6,007	5,182	4,962	5,897	5,787	5,677	5,512	5,897	4,712	5,677	5,237
12	5,402	5,897	5,072	5,347	5,952	5,732	5,677	5,512	5,512	4,762	5,622	5,292
13	5,457	5,567	5,237	5,512	5,897	5,842	5,567	5,512	5,457	4,762	5,457	5,347
14	5,512	5,017	5,292	5,622	5,787	5,952	5,237	5,347	5,622	4,562	5,347	5,237
15	5,292	4,362	5,457	5,732	5,622	5,787	5,127	5,402	5,512	4,312	5,182	5,237
16	5,072	4,312	5,512	5,732	5,512	6,007	4,912	5,457	5,292	4,262	5,072	5,292
17	4,912	4,562	5,677	5,622	5,567	5,842	4,962	5,292	5,127	4,262	5,127	5,237
18	4,962	4,812	5,677	5,567	5,567	5,787	4,812	5,402	5,127	4,412	5,237	5,182
19	5,072	5,127	5,677	5,622	5,622	5,952	4,912	5,292	5,182	4,512	5,237	5,127
20	5,182	5,017	5,622	5,622	5,622	5,952	5,017	5,292	5,127	4,562	5,127	5,237
21	5,017	4,862	5,512	5,677	5,567	5,842	5,127	5,457	5,237	4,512	5,072	5,292
22	4,862	4,762	5,512	5,787	5,512	5,787	5,182	5,842	5,182	4,412	5,017	5,402
23	4,912	4,462	5,402	5,787	5,292	5,897	5,182	5,622	5,237	4,412	4,912	5,402
24	4,912	4,412	5,237	5,732	5,402	5,842	5,237	5,512	5,127	4,362	4,812	5,402
25	4,812	4,412	5,072	5,512	5,622	5,842	5,017	5,512	5,017	4,362	4,912	5,457
26	4,662	4,762	4,762	5,182	5,897	5,677	5,017	5,457	4,962	4,412	4,962	5,402
27	4,562	5,017	5,127	4,862	6,119	5,567	5,182	5,402	4,962	4,462	4,912	5,402
28	4,912	5,182	5,622	4,762	5,787	5,512	5,292	5,512	4,962	4,762	4,912	5,347
29	5,127	-----	5,457	5,017	5,952	5,402	5,072	5,677	4,912	5,182	4,962	5,347
30	5,182	-----	5,567	5,072	5,787	5,292	5,017	5,677	4,912	5,347	4,962	5,347
31	5,402	-----	5,512	-----	6,007	-----	5,237	5,732	-----	5,237	-----	5,402
MAX	5,512	6,007	5,677	5,787	6,119	6,007	5,842	5,842	5,952	5,622	5,787	5,457
MIN	4,562	4,312	4,762	4,662	4,862	5,127	4,812	5,237	4,912	4,262	4,812	4,412
CHANGE	-165	-220	330	-440	935	-715	-55.0	495	-820	325	-275	440

CALENDAR YEAR 1991.--MEAN 5,319 MAX 6,119 MIN 4,262

# PLATTE RIVER BASIN

JEFFREY POWER RETURN to Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	16	6.8	6.8	5.2	5.7	23	39	149	231	24	11	9.3
2	15	6.8	6.8	4.9	6.3	19	72	106	392	24	10	9.5
3	14	6.8	6.8	4.9	9.8	20	56	44	389	18	9.9	9.9
4	14	6.8	6.6	4.9	9.9	20	67	62	324	12	9.9	9.1
5	13	6.8	6.3	4.9	29	19	85	84	285	12	9.9	8.3
6	13	6.8	6.3	4.9	24	18	37	129	284	12	9.9	8.3
7	13	6.8	6.3	4.9	23	19	36	191	279	12	9.9	8.3
8	13	6.8	6.3	4.9	23	19	35	334	263	12	9.9	8.3
9	13	6.8	6.1	4.9	23	19	35	393	255	12	9.9	8.3
10	12	6.8	5.8	4.9	21	19	34	241	187	12	9.9	8.3
11	13	6.8	5.8	4.9	21	19	27	110	46	12	9.8	8.3
12	13	6.8	5.8	4.9	21	18	26	61	30	11	9.4	8.3
13	13	6.8	5.8	4.9	21	20	41	198	29	11	9.4	8.3
14	12	6.8	5.8	4.9	22	21	34	400	28	11	9.4	9.1
15	11	6.8	5.8	4.9	22	23	32	367	28	11	9.4	8.8
16	11	6.8	5.8	4.9	23	46	32	469	26	11	9.4	8.0
17	11	6.8	5.8	4.9	23	129	31	599	27	11	9.4	8.1
18	11	6.8	5.8	4.9	22	222	32	581	26	11	9.4	8.6
19	11	6.8	5.8	4.9	21	210	30	593	25	11	9.4	7.8
20	11	6.8	5.8	4.9	21	175	30	614	25	11	9.4	7.8
21	11	6.8	5.7	4.9	22	175	27	609	26	11	9.4	7.9
22	9.9	6.8	5.3	4.9	22	176	27	553	25	11	9.4	7.8
23	9.7	6.8	5.3	4.9	22	141	26	285	25	11	9.4	7.8
24	9.4	6.8	5.3	4.9	23	59	19	112	25	11	9.4	7.9
25	9.4	6.8	5.3	4.9	24	30	23	163	24	11	9.4	7.8
26	9.0	6.8	5.3	4.9	25	162	25	98	24	11	9.4	8.6
27	8.3	6.8	5.3	4.9	25	456	25	98	23	11	9.4	8.5
28	7.8	6.8	5.3	4.9	24	371	26	121	23	11	9.4	7.3
29	7.8	-----	5.3	5.1	6.6	152	35	85	23	11	9.4	7.3
30	7.8	-----	5.3	5.3	23	45	109	37	24	11	9.4	7.3
31	7.5	-----	5.3	-----	22	-----	113	35	-----	11	-----	7.3
TOTAL	350.6	190.4	180.8	147.9	630.3	2,845	1,266	7,921	3,421	382	288.6	256.2
MEAN	11.3	6.80	5.83	4.93	20.3	94.8	40.8	256	114	12.3	9.62	8.26
MAX	16	6.8	6.8	5.3	29	456	113	614	392	24	11	9.9
MIN	7.5	6.8	5.3	4.9	5.7	18	19	35	23	11	9.4	7.3
AC-FT	695	378	359	293	1,250	5,640	2,510	15,710	6,790	758	572	508

CALENDAR YEAR 1991.--MAX 614 MIN 4.9 AC-FT 35,460

## PLATTE RIVER BASIN

ELWOOD RESERVOIR from Platte River - 1991

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

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 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	23,200	21,700	20,500	24,700	32,600	37,900	33,200	19,600	11,400	19,300	24,700	22,800
2	23,100	21,700	20,500	24,900	32,800	37,900	32,800	19,200	11,600	19,400	24,600	22,800
3	23,100	21,600	20,400	25,300	33,000	37,900	32,300	18,700	12,400	19,500	24,500	22,700
4	23,100	21,600	20,400	25,600	33,200	37,900	31,900	18,400	11,900	19,600	24,400	22,700
5	23,100	21,500	20,300	25,900	33,400	38,000	31,400	17,900	12,000	19,600	24,300	22,700
6	23,000	21,500	20,300	26,200	33,700	37,900	31,000	17,500	12,000	19,700	24,300	22,600
7	23,000	21,400	20,300	26,500	33,900	37,900	30,400	17,100	12,100	19,800	24,200	22,500
8	22,900	21,400	20,200	26,700	34,200	38,000	30,100	16,600	12,100	19,900	24,100	22,500
9	22,900	21,400	20,100	26,900	34,400	38,000	29,600	16,200	12,300	19,900	23,900	22,400
10	22,800	21,400	20,100	27,200	34,600	37,900	29,200	15,700	12,600	20,000	23,900	22,400
11	22,800	21,400	20,000	27,500	34,800	37,900	28,800	15,300	12,900	20,100	23,800	22,300
12	22,700	21,300	20,000	27,800	35,000	37,900	28,300	14,900	13,300	20,200	23,800	22,300
13	22,700	21,300	19,900	28,000	35,200	37,900	27,900	14,600	13,600	20,300	23,700	22,300
14	22,700	21,200	19,900	28,200	35,500	37,900	27,500	14,200	14,000	20,300	23,700	22,200
15	22,700	21,100	19,900	28,500	35,700	37,900	27,000	13,700	14,400	20,400	23,600	22,200
16	22,600	21,100	19,800	28,800	35,900	38,000	26,500	13,400	14,800	20,500	23,600	22,200
17	22,600	21,000	19,800	29,100	36,100	38,000	26,200	13,000	15,200	20,600	23,500	22,200
18	22,500	21,000	19,900	29,300	36,200	38,000	25,700	12,600	15,700	21,000	23,500	22,100
19	22,400	20,900	20,300	29,500	36,500	37,800	25,300	12,200	16,100	21,300	23,400	22,100
20	22,300	20,900	20,600	29,800	36,700	37,600	24,900	11,900	16,500	21,600	23,300	22,000
21	22,300	20,900	21,000	30,100	36,800	37,300	24,400	11,500	16,900	22,000	23,200	21,900
22	22,200	20,900	21,800	30,300	36,900	37,100	24,000	11,400	17,300	22,300	23,200	21,800
23	22,200	20,800	22,100	30,500	37,000	36,800	23,600	11,400	17,700	22,700	23,100	21,800
24	22,100	20,700	22,100	30,700	37,200	36,500	23,100	11,400	18,100	22,900	23,100	21,800
25	22,100	20,700	22,400	31,100	37,300	36,000	22,700	11,300	18,500	23,200	23,100	21,800
26	22,000	20,600	22,700	31,400	37,600	35,600	22,200	11,300	18,800	23,500	23,000	21,700
27	21,900	20,600	23,100	31,600	37,700	35,100	21,800	11,300	19,000	23,800	22,900	21,700
28	21,800	20,600	23,500	31,900	37,800	34,700	21,400	11,300	19,100	24,100	22,900	21,600
29	21,800	-----	23,800	32,100	37,800	34,200	21,000	11,200	19,200	24,300	22,900	21,500
30	21,800	-----	24,100	32,300	37,800	33,700	20,500	11,200	19,300	24,600	22,800	21,500
31	21,800	-----	24,400	-----	37,900	-----	20,100	11,200	-----	24,800	-----	21,400
MAX	23,200	29,900	24,400	32,300	37,900	38,000	33,200	19,600	19,300	24,800	24,700	22,800
MIN	21,800	20,600	19,800	24,700	32,600	33,700	20,100	11,200	11,400	19,300	22,800	21,400
CHANGE	-1,400	-1,190	3,860	7,850	5,650	-4,180	-13,630	-8,890	8,050	5,500	-1,950	-1,390

CALENDAR YEAR 1991.--MEAN 24,140 MAX 38,000 MIN 11,200



PLATTE RIVER BASIN

JOHNSON RESERVOIR from Platte River - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1977 - present

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

STORAGE LEVEL	ELEVATION (feet)	CONTENT (acre-feet)
Operating level	2620.0	46,935
Minimum operating level	2590.9	0

DAILY CONTENTS IN ACRE-FEET FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	41,465	40,995	39,820	36,575	43,685	42,685	41,700	43,185	42,685	40,055	42,935	40,290
2	40,995	40,995	39,585	36,575	43,435	42,435	41,465	42,685	43,435	39,820	42,935	40,290
3	40,760	41,465	39,820	36,135	43,935	41,935	40,760	42,685	42,935	39,820	42,435	40,055
4	41,230	42,435	39,820	36,355	42,685	41,465	40,290	42,935	42,685	39,820	42,435	39,820
5	41,230	42,185	40,290	36,575	42,685	40,995	40,290	43,435	42,685	39,585	42,435	40,290
6	41,465	42,185	39,820	36,795	42,435	40,760	40,055	43,935	42,935	39,585	42,935	40,055
7	41,700	42,185	39,585	36,795	42,185	40,995	39,820	43,935	42,935	39,585	42,685	40,525
8	41,935	42,185	39,820	36,795	41,700	41,935	39,820	43,935	43,185	39,820	42,935	40,760
9	41,700	42,435	40,290	36,355	40,525	42,435	38,880	43,685	42,935	39,820	42,935	40,760
10	41,700	42,685	40,055	36,355	40,760	42,185	39,115	43,685	42,935	40,055	43,685	40,995
11	41,700	41,935	39,820	36,355	40,995	42,185	39,350	45,185	42,685	40,995	43,435	40,995
12	41,465	41,935	40,055	37,015	41,230	42,685	39,115	45,935	42,685	41,935	43,435	40,995
13	41,465	42,685	39,820	36,795	41,465	42,685	39,350	44,935	43,435	42,185	42,935	40,995
14	41,700	41,935	39,585	36,795	41,700	42,935	39,585	44,935	44,185	42,435	42,685	41,230
15	41,465	41,700	39,350	37,015	42,185	42,935	40,055	45,185	44,185	42,935	42,435	40,995
16	41,465	42,185	39,350	37,705	41,935	42,935	40,055	45,685	44,185	43,185	42,185	41,230
17	41,935	41,935	38,645	37,705	42,685	43,185	39,350	45,185	43,935	43,185	41,700	41,465
18	42,185	41,700	38,175	38,175	43,185	43,685	39,115	44,685	43,435	43,185	41,230	41,230
19	42,185	40,995	38,645	38,645	43,685	43,685	38,880	43,935	43,185	42,935	40,760	41,465
20	42,185	40,760	39,585	39,115	43,935	43,685	38,410	42,185	42,935	42,935	39,820	41,465
21	41,935	40,760	39,350	40,055	44,185	43,685	38,880	40,290	42,185	43,185	39,820	41,465
22	41,465	40,760	39,350	40,290	43,935	43,685	39,115	38,645	41,935	43,685	39,820	41,465
23	40,995	40,995	39,350	40,525	44,685	43,935	39,115	37,705	41,465	43,435	39,820	41,465
24	40,995	40,760	39,115	40,995	43,935	44,185	39,820	37,705	40,995	43,185	39,820	41,230
25	40,995	40,290	38,645	41,230	43,185	44,935	40,290	37,940	40,525	42,685	39,820	41,230
26	40,995	40,290	38,410	41,935	43,185	44,935	40,760	37,940	40,290	42,435	39,820	40,995
27	40,760	39,585	38,410	42,185	42,935	44,185	41,465	38,410	40,290	42,185	39,820	41,230
28	40,760	39,115	37,940	42,685	43,185	42,685	41,935	38,880	40,290	42,185	39,820	41,230
29	41,230	-----	37,470	43,185	43,935	42,435	42,185	39,350	40,055	41,465	40,290	41,230
30	41,230	-----	37,325	42,935	43,935	41,935	42,685	40,525	40,290	41,230	40,290	41,230
31	40,760	-----	36,795	-----	43,685	-----	42,685	41,935	-----	42,435	-----	41,230
MAX	42,185	42,685	40,290	43,185	44,685	44,935	42,685	45,935	44,185	43,685	43,685	41,465
MIN	40,760	39,115	36,795	36,135	40,525	40,760	38,410	37,705	40,055	39,585	39,820	39,820
CHANGE	-705	-1,645	-2,320	6,140	750	-1,750	750	-750	-1,645	2,145	-2,145	940

CALENDAR YEAR 1991.--MEAN 41,276 MAX 45,935 MIN 36,135

## PLATTE RIVER BASIN

PHELPS COUNTY CANAL from Platte River via Tri-County Canal - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	133	170	1,210	1,080	127			
2				0	102	176	1,170	1,080	0			
3				0	78	237	1,190	1,040	0			
4				0	134	245	1,220	975	0			
5				0	144	239	1,130	923	0			
6				0	151	224	1,130	928	0			
7				0	140	224	1,100	958	0			
8				0	151	224	1,080	939	0			
9				0	174	240	1,130	983	0			
10				0	199	270	1,090	926	0			
11				0	213	268	1,050	839	0			
12				0	211	269	1,060	592	0			
13				0	220	288	1,050	365	0			
14				0	240	291	1,030	426	0			
15				0	259	285	1,020	419	0			
16				0	265	292	1,070	423	0			
17				0	264	299	1,160	476	0			
18				0	263	343	1,150	513	0			
19				0	265	388	1,070	717	0			
20				0	266	517	1,050	983	0			
21				0	261	578	1,020	1,090	0			
22				38	259	699	999	1,080	0			
23				70	199	728	1,040	1,120	0			
24				119	141	809	987	1,060	0			
25				144	196	910	937	1,020	0			
26				150	204	1,080	961	991	0			
27				155	198	1,220	955	930	0			
28				144	220	1,210	932	795	0			
29		-----		142	229	1,230	934	731	0			
30		-----		132	199	1,220	948	631	0			
31		-----		-----	154	-----	1,030	448	-----		-----	
TOTAL				1,094	6,132	15,173	32,903	25,481	127			
MEAN				36.5	198	506	1,061	822	4.23			
MAX				155	266	1,230	1,220	1,120	127			
MIN				0	78	170	932	365	0			
AC-FT				2,170	12,160	30,100	65,260	50,540	252			

CALENDAR YEAR 1991.--MAX 1,230 MIN 0 AC-FT 160,500

# P L A T T E R I V E R B A S I N

JOHNSON POWER RETURN to Platte River - 1991

LOCATION.--SE1/4NW1/4 Sec. 2-8-21 W. near Overton

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1941 - present

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	425	573	465	542	390	933	17.0	0	571	348	401	429
2	688	577	578	541	448	802	19.0	0	460	342	411	431
3	621	579	608	560	575	736	22.0	0	265	349	402	434
4	480	583	644	464	862	743	7.0	0	180	345	411	437
5	515	820	844	443	828	673	10.0	0	171	357	480	422
6	510	805	844	409	834	644	23.0	0	134	349	363	406
7	530	1,020	850	438	700	278	4.0	0	135	357	540	518
8	664	1,040	744	433	523	233	23.0	0	126	347	546	555
9	656	1,010	740	429	379	395	20.0	0	158	338	511	545
10	723	1,070	751	264	49.0	287	11.0	0	261	225	402	510
11	726	1,220	749	260	0	223	21.0	0	270	108	524	511
12	724	1,440	765	258	0	188	9.0	423	336	97.0	614	526
13	728	1,430	863	225	0	203	11.0	1,250	341	77.0	646	570
14	729	1,410	765	238	0	185	18.0	486	341	155	837	561
15	788	1,440	721	210	0	238	50.0	154	345	238	725	536
16	886	1,230	685	184	0	234	75.0	225	359	142	692	564
17	631	1,080	691	192	0	112	74.0	210	363	151	692	552
18	608	1,110	666	187	0	195	20.0	0	363	155	691	527
19	860	913	500	178	0	224	0	0	377	169	651	538
20	855	1,030	507	161	0	598	14.0	0	350	191	614	553
21	893	859	525	174	192	575	0	0	355	133	611	545
22	946	892	645	167	304	457	15.0	0	355	166	574	541
23	835	864	659	250	996	365	3.0	0	345	132	544	547
24	834	890	648	150	744	0	0	0	347	170	551	575
25	734	949	688	165	477	37.0	2.0	0	348	191	490	580
26	717	966	700	122	176	3.0	0	0	345	201	451	583
27	696	957	689	0	180	19.0	0	0	344	188	326	585
28	706	934	648	0	177	0	0	0	349	171	382	579
29	532	-----	658	242	240	14.0	0	0	345	213	422	591
30	525	-----	671	220	680	17.0	0	0	343	301	415	605
31	575	-----	674	-----	959	-----	0	0	-----	208	-----	609
TOTAL	21,340	27,691	21,185	8,106	10,713.0	9,611.0	468.0	2,748	9,382	6,914.0	15,919	16,465
MEAN	688	989	683	270	346	320	15.1	88.6	313	223	531	531
MAX	946	1,440	863	560	996	933	75.0	1,250	571	357	837	609
MIN	425	573	465	0	0	0	0	0	126	77.0	326	406
AC-FT	42,328	54,925	42,020	16,078	21,249	19,063	928	5,451	18,609	13,714	31,575	32,658

CALENDAR YEAR 1991.--MAX      MAX      1,440      MIN      0      AC-FT      298,600

## PLATTE RIVER BASIN

PLATTE RIVER below Tri-County Diversion Dam - 1991

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

GAGE.--Continuous stage recorder

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

REMARKS.-- e = estimated discharge

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	60e	60	75	58	98	101	1,330	1,310	94	73	50e	54
2	63	58	78	57	83	104	1,420	1,430	89	65	50e	55
3	56e	58	73	57	168	97	1,500	1,380	83	68	52	60
4	55	62	66	56	175	93	1,320	1,280	77	82	48	62
5	58	68	67	54	136	85	1,550	1,250	74	82	49	64
6	64e	71	63	57	110	83	1,450	1,230	70	82	57	64
7	50e	73	64	65	94	70	1,430	1,130	67	83	55	62
8	49	76	66	55	79	78	1,430	1,100	64	78	54	60
9	47	72	64	59	78	97	1,450	1,070	62	77	56	58
10	52	68	60	57	71	89	1,440	1,260	73	78	57	55
11	48	66	60	65	65	68	1,380	1,300	75	77	59	54
12	45	69	65	56	60	68	1,270	1,050	77	75	58	62
13	45	69	65	57	58	62	1,280	630	80	71	53	63
14	49	71	65	61	58	53	1,450	511	74	69	49	62
15	51	70e	68	65	58	51	1,520	443	73	71	46	53
16	52	69	70	64	64	51	1,520	364	63	73	47	52
17	54	70	70	63	70	48	1,580	380	60	72	62	52
18	56	74	69	65	69	45	1,570	407	61	72	66	51
19	60	69	70	67	71	64	1,530	419	63	72	63	52
20	60	69	70	69	63	88	1,540	490	66	70	56	52
21	60e	73	67	71	60	76	1,540	563	67	64	50	53
22	65	76	75	71	60	90	1,570	740	65	49	49	54
23	62	73	83	70	62	307	1,730	1,010	68	50	56	58
24	60e	69	82	69	65	422	1,710	1,090	70	46	50	58
25	60e	72	80	82	69	165	1,560	1,150	68	48	50	57
26	60e	67	78	137	66	79	1,420	1,220	65	45	50	56
27	60e	68	73	136	64	257	1,430	1,270	62	46	52	55
28	61	73	68	142	67	528	1,450	1,230	60	56	54	56
29	60e	-----	68	181	68	960	1,330	1,080	60	49	56	56
30	60e	-----	68	165	79	1,190	1,210	766	65	48	56	55
31	60e	-----	64	-----	92	-----	1,250	281	-----	51	-----	55
TOTAL	1,742	1,933	2,154	2,331	2,480	5,569	45,160	28,834	2,095	2,042	1,610	1,760
MEAN	56.2	69.0	69.5	77.7	80.0	186	1,457	930	69.8	65.9	53.7	56.8
MAX	65	76	83	181	175	1,190	1,730	1,430	94	83	66	64
MIN	45	58	60	54	58	45	1,210	281	60	45	46	51
AC-FT	3,460	3,830	4,270	4,620	4,920	11,050	89,570	57,190	4,160	4,050	3,190	3,490

CALENDAR YEAR 1991.--MAX 1,730 MIN 45 AC-FT 193,800

# PLATTE RIVER BASIN

PLATTE RIVER at Brady - 1991

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. Calendar year summary values are for the whole year.  
e = estimated discharge

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										97	121	123
2										98	121	127 e
3										106	108 e	130
4										110	102 e	142
5										108	122 e	154
6										109	133 e	154
7										109	132 e	149
8										106	132 e	144
9										106	136 e	141
10										105	134 e	132
11										104	139 e	130
12										103	139 e	150
13										101	141 e	163
14										103	140	150
15										105	135	144
16										104	132	145
17										102	148	142
18										101	160	137
19										103	152	137
20										106	143	141
21										114	139	140
22										103	135	142
23										100	134	148
24										100	133	144
25										102	138	147 e
26										104	138	145 e
27										115	136	143 e
28										119	133	143 e
29		-----								119	135	145 e
30		-----								121	129	146 e
31		-----		-----		-----			-----	120	-----	147 e
TOTAL										3,303	4,020	4,425
MEAN										107	134	143
MAX										121	160	163
MIN										97	102	123
AC-FT										6,550	7,970	8,780

CALENDAR YEAR 1991.--TOTAL      127,680      MEAN      350      MAX      1,710      MIN      80      AC-FT      253,200

\* Incomplete Record

## PLATTE RIVER BASIN

THIRTY MILE CANAL from Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	256	303	60			
2					0	0	287	298	0			
3					0	0	286	294	0			
4					0	0	276	296	0			
5					0	0	276	298	0			
6					0	0	276	302	0			
7					0	0	277	303	0			
8					0	0	280	304	0			
9					0	0	290	301	0			
10					0	0	298	293	0			
11					0	0	299	292	0			
12					0	0	300	278	0			
13					0	0	299	249	0			
14					0	40	299	249	0			
15					0	63	299	251	0			
16					0	63	299	254	0			
17					0	84	299	243	0			
18					0	93	299	259	0			
19					0	95	300	267	0			
20					0	102	300	280	0			
21					0	103	299	279	0			
22					0	116	302	276	0			
23					0	122	304	275	0			
24					0	122	300	275	0			
25					0	122	299	276	0			
26					0	122	301	275	0			
27					0	141	301	275	0			
28					0	163	300	276	0			
29		-----			0	194	298	260	0			
30		-----			0	218	300	203	0			
31		-----		-----	0	-----	302	179	-----		-----	
TOTAL					0	1,963	9,101	8,463	60			
MEAN					0	65.4	294	273	2.00			
MAX					0	218	304	304	60			
MIN					0	0	256	179	0			
AC-FT					0	3,890	18,050	16,790	119			

CALENDAR YEAR 1991.--MAX 304 MIN 0 AC-FT 38,850

# PLATTE RIVER BASIN

GOTHENBURG CANAL from Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	97	115	259	349	121	70		
2				0	101	116	307	345	123	70		
3				0	106	116	329	337	125	69		
4				0	105	117	324	334	145	40		
5				0	103	116	331	333	141	0		
6				0	103	117	351	326	127	0		
7				0	107	117	346	332	105	0		
8				0	101	117	344	329	105	0		
9				0	101	117	341	325	115	0		
10				0	101	118	344	330	127	0		
11				0	101	122	343	335	119	0		
12				.88	101	126	340	331	105	0		
13				5.8	101	126	339	314	109	0		
14				25	101	125	339	303	104	0		
15				84	101	122	339	307	103	0		
16				81	103	114	334	324	103	0		
17				73	103	121	328	318	103	0		
18				73	102	124	333	322	97	0		
19				73	102	127	344	310	91	0		
20				73	102	129	350	311	80	0		
21				73	102	128	363	325	70	0		
22				73	102	128	363	313	69	0		
23				96	110	128	346	319	69	0		
24				96	111	127	331	315	69	0		
25				96	116	126	334	311	69	0		
26				96	117	143	341	305	69	0		
27				96	99	159	349	297	69	0		
28				96	102	193	356	299	69	0		
29		-----		97	107	234	355	294	68	0		
30		-----		97	116	254	350	243	68	0		
31		-----		-----	115	-----	346	122	-----	0	-----	
TOTAL				1,404.68	3,239	4,022	10,499	9,658	2,937	249		
MEAN				46.8	104	134	339	312	97.9	8.03		
MAX				97	117	254	363	349	145	70		
MIN				0	97	114	259	122	68	0		
AC-FT				2,790	6,420	7,980	20,820	19,160	5,830	494		

CALENDAR YEAR 1991.--MAX 363 MIN 0 AC-FT 63,490

## PLATTE RIVER BASIN

BUFFALO CREEK (B-1) RESERVOIR SUPPLY CANAL from Platte River - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1983, 1985 - present

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	22	32	8.0	.84	0	28		
2				0	19	32	0	0	0	28		
3				0	19	31	0	0	5.2	26		
4				0	20	29	0	0	12	24		
5				0	19	25	0	0	15	17		
6				0	25	19	0	0	16	5.6		
7				0	25	18	0	0	13	.80		
8				0	20	22	0	0	8.4	0		
9				0	15	25	0	0	12	0		
10				0	14	26	0	0	21	0		
11				0	14	26	0	0	25	0		
12				0	16	26	0	0	26	0		
13				0	15	27	0	0	25	0		
14				0	18	27	0	6.4	27	0		
15				0	20	27	0	16	29	0		
16				0	23	26	0	15	28	0		
17				0	25	23	0	16	30	0		
18				0	26	23	0	12	30	0		
19				0	26	25	0	3.7	31	0		
20				0	27	27	0	0	30	0		
21				0	28	29	0	0	29	0		
22				0	31	28	0	0	24	0		
23				0	33	29	0	0	22	0		
24				0	12	27	0	0	23	0		
25				0	5.3	19	1.0	0	29	0		
26				11	.43	14	1.8	0	30	0		
27				20	15	12	.10	0	28	0		
28				17	19	11	.12	0	29	0		
29		-----		20	16	11	1.8	0	29	0		
30		-----		22	29	10	1.8	0	27	0		
31		-----		-----	31	-----	2.0	0	-----	0	-----	
TOTAL				90	627.73	706	16.62	69.94	653.6	129.40		
MEAN				3.00	20.2	23.5	.54	2.26	21.8	4.17		
MAX				22	33	32	8.0	16	31	28		
MIN				0	.43	10	0	0	0	0		
AC-FT				179	1,250	1,400	33	139	1,300	257		

CALENDAR YEAR 1991 -- MAX 33 MIN 0 AC-FT 4,550



# PLATTE RIVER BASIN

SIX MILE CANAL from Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	2.3	9.8	25	6.3			
2					0	1.8	13	29	5.5			
3					0	.96	23	27	0			
4					0	2.4	32	23	0			
5					.29	1.3	27	24	0			
6					.96	.23	35	24	0			
7					.67	0	36	24	0			
8					.18	0	36	27	0			
9					0	0	35	28	0			
10					0	0	30	21	0			
11					0	0	28	19	0			
12					0	0	25	20	0			
13					0	0	22	15	0			
14					0	0	27	12	0			
15					0	0	29	8.1	0			
16					0	0	29	5.8	0			
17					0	0	30	10	0			
18					0	0	29	12	0			
19					0	1.4	29	19	0			
20					0	1.5	32	25	0			
21					0	1.1	31	25	0			
22					0	1.0	30	28	0			
23					0	1.1	33	24	0			
24					0	1.4	32	19	0			
25					0	2.7	23	19	0			
26					0	1.4	20	21	0			
27					0	2.4	20	19	0			
28					0	4.7	28	19	0			
29		-----			.06	3.4	27	18	0			
30		-----			3.5	7.3	25	14	0			
31		-----		-----	3.6	-----	24	12	-----		-----	
TOTAL					9.26	38.39	849.8	615.9	11.8			
MEAN					.30	1.28	27.4	19.9	.39			
MAX					3.6	7.3	36	29	6.3			
MIN					0	0	9.8	5.8	0			
AC-FT					18	76	1,690	1,220	23			

CALENDAR YEAR 1991.--MAX 36 MIN 0 AC-FT 3,030

## PLATTE RIVER BASIN

COZAD CANAL from Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	9.2	208	227	0			
2					0	9.4	249	226	0			
3					0	21	265	222	0			
4					0	28	265	218	0			
5					0	29	270	215	0			
6					0	30	271	213	0			
7					0	31	271	212	0			
8					0	31	271	211	0			
9					20	32	268	211	0			
10					33	32	265	211	0			
11					34	33	260	212	0			
12					32	33	255	201	0			
13					29	34	255	188	0			
14					32	33	254	188	0			
15					32	30	254	188	0			
16					32	24	252	187	0			
17					32	21	252	188	0			
18					32	45	252	187	0			
19					32	55	254	187	0			
20					32	54	253	188	0			
21					32	56	252	187	0			
22					32	55	252	186	0			
23					19	54	250	185	0			
24					13	68	247	185	0			
25					13	73	234	184	0			
26					13	73	231	185	0			
27					16	92	228	185	0			
28					23	100	228	185	0			
29		-----			27	125	228	185	0			
30		-----			16	169	227	131	0			
31		-----		-----	8.8	-----	227	0	-----		-----	
TOTAL					584.8	1,479.6	7,748	5,878	0			
MEAN					18.9	49.3	250	190	0			
MAX					34	169	271	227	0			
MIN					0	9.2	208	0	0			
AC-FT					1,160	2,930	15,370	11,660	0			

CALENDAR YEAR 1991.--MAX 271 MIN 0 AC-FT 31,120

# PLATTE RIVER BASIN

ORCHARD ALFALFA CANAL from Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	71	65	56			
2					0	0	65	70	23			
3					0	0	66	71	0			
4					0	0	70	71	0			
5					0	0	70	72	0			
6					0	0	71	72	0			
7					0	0	70	70	0			
8					0	0	70	72	0			
9					0	0	73	71	0			
10					0	5.1	73	67	0			
11					0	18	73	65	0			
12					0	17	73	49	0			
13					0	15	72	28	0			
14					0	14	70	18	0			
15					0	13	72	13	0			
16					0	12	73	8.4	0			
17					0	11	73	7.8	0			
18					0	11	72	21	0			
19					0	16	71	57	0			
20					0	17	68	60	0			
21					0	19	68	64	0			
22					16	18	67	65	0			
23					89	17	69	67	0			
24					0	17	55	67	0			
25					0	20	44	66	0			
26					0	25	39	69	0			
27					0	23	63	66	0			
28					0	41	64	64	0			
29		-----			0	58	63	67	0			
30		-----			1.1	69	62	67	0			
31		-----		-----	0	-----	60	64	-----		-----	
TOTAL					106.1	456.1	2,070	1,754.2	79			
MEAN					3.42	15.2	66.8	56.6	2.63			
MAX					89	69	73	72	56			
MIN					0	0	39	7.8	0			
AC-FT					210	905	4,110	3,480	157			

CALENDAR YEAR 1991.--MAX 89 MIN 0 AC-FT 8,860

## PLATTE RIVER BASIN

DAWSON COUNTY CANAL from Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	374	466	314			
2					0	0	461	467	349			
3					0	0	490	466	343			
4					0	0	495	468	312			
5					0	0	505	467	286			
6					0	0	505	465	253			
7					37	0	505	465	240			
8					70	0	507	464	231			
9					0	0	506	463	213			
10					0	0	508	459	193			
11					0	0	507	459	160			
12					0	0	507	398	127			
13					0	0	507	340	65			
14					0	51	498	339	0			
15					0	107	508	339	0			
16					0	107	509	337	0			
17					0	106	511	332	0			
18					0	101	510	343	0			
19					0	125	511	379	0			
20					0	151	513	327	0			
21					0	155	512	377	0			
22					0	155	513	402	0			
23					0	155	515	418	0			
24					0	155	511	398	0			
25					0	157	509	392	0			
26					0	165	510	424	0			
27					0	164	510	426	0			
28					0	223	503	428	0			
29		-----			0	228	475	429	0			
30		-----			0	271	466	390	0			
31		-----		-----	0	-----	467	379	-----		-----	
TOTAL					107	2,576	15,428	12,706	3,086			
MEAN					3.45	85.9	498	410	103			
MAX					70	271	515	468	349			
MIN					0	0	374	327	0			
AC-FT					212	5,110	30,600	25,200	6,120			
CALENDAR YEAR 1991.--MAX		515		MIN	0	AC-FT	67,250					

# PLATTE RIVER BASIN

PLATTE RIVER near Cozad - 1991

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 some periods)

REMARKS.--Published by U. S. Geological Survey up to Oct. 1, 1991. Calendar year summary values are for the whole year.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										115	227	197
2										115	197	205
3										117	215	208
4										128	204	217
5										172	242	249
6										178	258	246
7										179	214	240
8										178	231	237
9										177	292	226
10										177	273	221
11										179	262	216
12										176	259	249
13										176	250	258
14										175	243	245
15										173	234	237
16										174	230	243
17										174	264	240
18										175	272	224
19										173	269	227
20										179	258	234
21										184	249	233
22										185	251	232
23										184	238	245
24										184	220	237
25										187	226	235
26										186	236	237
27										187	233	236
28										211	233	236
29		-----								221	231	236
30		-----								205	216	236
31		-----		-----		-----			-----	276	-----	240
TOTAL										5,500	7,227	7,222
MEAN										177	241	233
MAX										276	292	258
MIN										115	197	197
AC-FT										10,910	14,330	14,320
CALENDAR YEAR 1991.--TOTAL			78,453	MEAN	215	MAX	2530	MIN	18	AC-FT	155,600	

## PLATTE RIVER BASIN

PLUM CREEK near Smithfield - 1991

LOCATION.--SE1/4SW1/4 SEC.21-8-21 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1980 - present

REMARKS.--e = estimated discharge

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 905 cubic feet per second, June 25, 1989, gage height 13.91 feet.  
Minimum daily discharge 0.01 cubic feet per second, several days in 1980 and 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 437 cubic feet per second, May 23, gage height 11.11.  
Minimum daily discharge 5.7 cubic feet per second, September 7.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	11	11e	13	16	19	90	10	12	12	7.5	10E	13
2	11	13e	15	15	15	57	10	12	11	8.4	10E	16
3	10 e	13e	13	15	15	20	9.5	12	11	8.8	14	14
4	10 e	13e	12	14	19	18	9.5	13	8.2	7.7	13	13
5	10 e	13e	13	14	16	17	9.6	14	7.2	8.3	13	13
6	10 e	13e	14	14	17	15	9.5	13	5.9	9.4	13	14
7	11 e	13e	13	14	15	15	9.4	13	5.7	7.1	15	15
8	11 e	13e	12	14	14	15	8.9	12	6.0	8.8	11	16
9	11 e	13e	12	13	14	16	8.2	11	6.2	9.1	12	15
10	11 e	12e	12	12	14	17	13	10	6.4	9.2	14	15
11	11 e	12e	13	12	13	20	11	24	7.3	8.8	15	15
12	11 e	12e	14	13	13	15	9.4	106	9.3	8.8	15	16
13	11 e	13e	14	14	13	14	8.9	41	9.1	8.8	13	23
14	11 e	13e	13	13	12	14	8.6	16	11	8.7	13	17
15	11 e	13e	13	12	12	14	8.8	11	10	9.0	13	15
16	11 e	14	13	12	13	13	8.6	10	8.7	9.0	12	15
17	11 e	14	13	12	14	13	7.6	9.4	7.6	9.3	13	14
18	11 e	15	14	12	14	13	7.1	9.3	6.9	9.4	17	14
19	11 e	23	15	12	13	13	8.0	9.1	6.6	9.1	14	16
20	10 e	13	14	15	12	13	10	9.0	6.6	8.7	13	14
21	9.0e	13	15	14	12	13	10	11	6.6	9.3	12	14
22	7.2e	13	15	16	12	13	10	14	6.9	10	13	14
23	12 e	13	14	19	309	13	9.8	13	7.5	10	14	15
24	11 e	13	14	15	180	13	12	13	7.4	10	13	14
25	11 e	13	13	14	86	13	13	13	7.4	10	13	14
26	10 e	13	13	13	72	12	10	12	7.4	10	13	14
27	8.3	13	14	14	49	11	9.6	13	7.9	10	13	13
28	10 e	13	14	14	37	11	9.0	12	8.0	10	13	13
29	11 e	-----	15	19	25	11	9.4	12	8.2	12	12	14
30	10 e	-----	16	29	23	10	9.8	14	7.9	10	12	14
31	10 e	-----	15	-----	25	-----	12	13	-----	7.3	-----	14
TOTAL	324.5	373	423	435	1,117	542	300.2	506.8	237.9	282.5	391	456
MEAN	10.5	13.3	13.6	14.5	36.0	18.1	9.68	16.3	7.93	9.11	13.0	14.7
MAX	12	23	16	29	309	90	13	106	12	12	17	23
MIN	7.2	11	12	12	12	10	7.1	9.0	5.7	7.1	10	13
AC-FT	644	740	839	863	2,220	1,080	595	1,010	472	560	776	904
CALENDAR YEAR 1991		TOTAL	5,388.9	MEAN	14.8	MAX	309	MIN	5.7	AC-FT	10,690	

# PLATTE RIVER BASIN

KEARNEY CANAL from Platte River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	142	21	163	153	189			
2				0	145	19	162	142	204			
3				0	144	18	158	169	175			
4				0	148	56	156	170	177			
5				0	152	93	158	171	146			
6				0	143	91	157	171	127			
7				0	138	86	156	169	110			
8				0	128	79	157	167	101			
9				0	123	78	159	166	91			
10				0	119	80	160	166	132			
11				0	100	77	160	166	130			
12				0	84	74	160	162	125			
13				0	174	68	157	167	130			
14				0	265	62	157	170	133			
15				26	262	64	161	152	140			
16				56	234	54	180	149	121			
17				46	98	70	181	151	98			
18				88	83	131	178	149	85			
19				125	87	140	162	147	78			
20				115	87	143	160	149	77			
21				115	95	166	160	171	76			
22				114	169	167	160	160	74			
23				90	97	162	161	144	72			
24				90	33	156	163	131	71			
25				83	23	114	161	130	70			
26				74	18	214	161	186	69			
27				60	15	211	160	167	68			
28				46	48	194	159	153	68			
29		-----		53	71	169	159	162	46			
30		-----		99	35	168	159	167	0			
31		-----		-----	32	-----	155	170	-----		-----	
TOTAL				1,280	3,492	3,225	5,000	4,947	3,183			
MEAN				42.7	113	108	161	160	106			
MAX				125	265	214	181	186	204			
MIN				0	15	18	155	130	0			
AC-FT				2,540	6,930	6,400	9,920	9,810	6,310			

CALENDAR YEAR 1991.--MAX 265 MIN 0 AC-FT 41,910

## PLATTE RIVER BASIN

KEARNEY POWER RETURN to Platte River - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1939 - present

REMARKS.--e = estimated discharge

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	80 e	20 e	80	68	127	1.4		
2				0	120 e	10 e	77	64	154	0		
3				0	120 e	10 e	81	67	134	0		
4				0	120 e	10 e	83	89	129	0		
5				0	120 e	43	81	99	115	0		
6				0	125 e	72	78	93	105	0		
7				0	115 e	69	78	81	90	0		
8				0	118 e	59	72	76	77	0		
9				0	100 e	58	80	81	67	0		
10				0	100 e	64	88	83	67	0		
11				0	100 e	57	91	93	110	0		
12				0	80 e	54	83	125	89	0		
13				0	65 e	48	77	113	96	0		
14				0	150 e	46	82	118	102	0		
15				0	250 e	39	75	119	105	0		
16				0	240 e	38	74	113	102	0		
17				0	200 e	30	85	108	77	0		
18				0	70 e	76	94	103	65	0		
19				0	60 e	111	82	86	52	0		
20				0	60	120	77	70	47	0		
21				0	60 e	133	81	80	45	0		
22				0	75 e	139	75	79	43	0		
23				28	185 e	136	77	69	42	0		
24				69	100 e	128	95	63	43	0		
25				67	40 e	76	88	64	41	0		
26				66	30 e	118	82	75	42	0		
27				48	15 e	145	91	84	41	0		
28				39	10 e	140	98	74	42	0		
29		-----		40	40 e	83	82	82	44	0		
30		-----		45e	50 e	90	75	101	26	0		
31		-----		-----	20 e	-----	72	122	-----	0	-----	
TOTAL				402	3,018	2,222	2,534	2,742	2,319	1.4		
MEAN				13.4	97.4	74.1	81.7	88.5	77.3	.045		
MAX				69	250	145	98	125	154	1.4		
MIN				0	10	10	72	63	26	0		
AC-FT				797	5,990	4,410	5,030	5,440	4,600	2.8		
CALENDAR YEAR 1991.--MAX	250											
MIN				0								
AC-FT						26,260						



# PLATTE RIVER BASIN

PLATTE RIVER near Odessa - 1991

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. Calendar year summary values are for the whole year.  
e = estimated discharge

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										567	695	968
2										561	660e	1,030
3										528	680e	1,010
4										519	720e	993
5										508	780e	1,030
6										522	820e	899
7										621	880e	878
8										671	990e	1,020
9										628	900e	1,020
10										591	800e	966
11										606	655	923
12										537	782	1,080
13										526	961	1,110
14										487	1,060	1,140
15										474	1,250	1,170
16										533	1,030	1,140
17										487	942	1,090
18										456	997	1,010
19										444	1,110	974
20										438	1,100	1,050
21										450	1,140	1,050
22										458	1,160	1,060
23										422	1,040	1,130
24										398	974	1,090
25										402	1,000	1,030
26										428	999	955
27										449	946	946
28										491	869	976
29		-----								397	894	1,040
30		-----								386	965	1,180
31		-----		-----		-----			-----	667	-----	1,270
TOTAL										15,652	27,799	32,228
MEAN										505	927	1,040
MAX										671	1,250	1,270
MIN										386	655	878
AC-FT										31,050	55,140	63,920

CALENDAR YEAR 1991.--TOTAL      303,580      MEAN      831      MAX      5,120      MIN      63      AC-FT      602,100

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

SARGENT CANAL from Middle Loup River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	257	152	107			
2						0	266	146	108			
3						0	261	136	99			
4						0	261	144	93			
5						0	262	155	79			
6						0	260	172	68			
7						0	262	181	67			
8						0	266	184	67			
9						0	263	181	37			
10						0	266	162	0			
11						0	268	162	0			
12						0	263	174	0			
13						0	259	175	0			
14						0	262	178	0			
15						0	262	176	0			
16						0	260	166	0			
17						0	257	134	0			
18						39	255	129	0			
19						53	253	139	0			
20						82	243	159	0			
21						66	242	164	0			
22						49	217	148	0			
23						50	206	157	0			
24						55	200	140	0			
25						67	173	133	0			
26						93	162	134	0			
27						147	148	139	0			
28						209	145	141	0			
29		-----				249	159	142	0			
30		-----				254	161	142	0			
31		-----		-----		-----	170	114	-----		-----	
TOTAL						1,413	7,189	4,759	725			
MEAN						47.1	232	154	24.2			
MAX						254	268	184	108			
MIN						0	145	114	0			
AC-FT						2,800	14,260	9,440	1,440			

CALENDAR YEAR 1991.--MAX 268 MIN 0 AC-FT 27,940

**PLATTE RIVER BASIN  
( LOUP RIVER )**

MIDDLE LOUP CANAL NO. 1 from Middle Loup River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	18	36	27	36			
2					0	18	37	29	35			
3					0	19	37	29	34			
4					0	20	37	31	36			
5					0	20	36	33	37			
6					0	19	37	35	36			
7					0	20	37	34	36			
8					0	20	37	34	37			
9					0	20	38	36	32			
10					0	21	37	33	27			
11					0	19	36	32	27			
12					0	17	37	31	22			
13					8.1	16	36	31	7.4			
14					16	17	36	29	0			
15					13	18	35	31	0			
16					15	18	35	30	0			
17					15	17	36	29	0			
18					14	14	36	33	0			
19					12	16	37	38	0			
20					11	17	37	32	0			
21					13	19	37	29	0			
22					14	20	36	34	0			
23					15	19	32	35	0			
24					16	20	27	35	0			
25					19	22	33	36	0			
26					19	28	35	37	0			
27					18	32	30	39	0			
28					19	32	24	41	0			
29		-----			20	34	27	40	0			
30		-----			20	35	28	39	0			
31		-----		-----	20	-----	28	38	-----		-----	
TOTAL					297.1	625	1,067	1,040	402.4			
MEAN					9.58	20.8	34.4	33.5	13.4			
MAX					20	35	38	41	37			
MIN					0	14	24	27	0			
AC-FT					589	1,240	2,120	2,060	798			
CALENDAR YEAR 1991.--MAX		41	MIN		0	AC-FT	6,810					

**PLATTE RIVER BASIN  
( LOUP RIVER )**

MIDDLE LOUP CANAL NO. 1 PUMP from Middle Loup River - 1991

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

GAGE.--Flow Meter

PERIOD OF RECORD.--1987 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	0	0	9.0			
2						0	0	3.0	9.0			
3						0	3.0	9.0	9.0			
4						0	9.0	9.0	9.0			
5						0	9.0	9.0	9.0			
6						0	9.0	9.0	9.0			
7						0	9.0	9.0	9.0			
8						0	9.0	9.0	9.0			
9						0	9.0	9.0	9.0			
10						0	9.0	9.0	4.0			
11						0	9.0	9.0	0			
12						0	9.0	9.0	0			
13						0	9.0	9.0	0			
14						0	9.0	9.0	0			
15						0	9.0	9.0	0			
16						0	3.0	9.0	0			
17						0	9.0	9.0	0			
18						0	9.0	4.0	0			
19						0	9.0	0	0			
20						0	9.0	4.0	0			
21						0	9.0	9.0	0			
22						0	9.0	9.0	0			
23						0	3.0	9.0	0			
24						0	0	9.0	0			
25						0	3.0	9.0	0			
26						0	9.0	9.0	0			
27						0	9.0	9.0	0			
28						0	4.0	9.0	0			
29		-----				0	0	9.0	0			
30		-----				0	0	9.0	0			
31		-----		-----		-----	0	9.0	-----		-----	
TOTAL						0	196.0	245.0	85.0			
MEAN						0	6.32	7.90	2.83			
MAX						0	9.0	9.0	9.0			
MIN						0	0	0	0			
AC-FT						0	389	486	169			

CALENDAR YEAR 1991.--MAX 9.0 MIN 0 AC-FT 1,040

**PLATTE RIVER BASIN  
( LOUP RIVER )**

MIDDLE LOUP CANAL NO. 2 from Middle Loup River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	28	61	37	54			
2					0	28	64	38	48			
3					0	25	62	36	46			
4					0	25	62	37	45			
5					0	24	62	45	45			
6					0	22	61	50	43			
7					0	23	61	47	42			
8					0	23	64	46	40			
9					9.9	22	66	48	34			
10					17	16	69	46	28			
11					17	10	67	44	28			
12					16	8.9	67	43	22			
13					16	8.9	68	47	8.1			
14					16	14	68	41	0			
15					15	21	67	38	0			
16					15	20	66	40	0			
17					17	20	64	44	0			
18					18	17	65	46	0			
19					17	21	65	46	0			
20					17	24	66	47	0			
21					21	28	66	50	0			
22					26	29	64	52	0			
23					27	29	43	54	0			
24					27	29	31	50	0			
25					28	30	33	49	0			
26					27	35	34	44	0			
27					27	41	35	50	0			
28					29	48	35	56	0			
29		-----			29	48	37	56	0			
30		-----			30	42	39	55	0			
31		-----		-----	28	-----	38	55	-----		-----	
TOTAL					489.9	759.8	1,750	1,437	483.1			
MEAN					15.8	25.3	56.5	46.4	16.1			
MAX					30	48	69	56	54			
MIN					0	8.9	31	36	0			
AC-FT					972	1,510	3,470	2,850	958			
CALENDAR YEAR 1991.--MAX		69	MIN	0	AC-FT	9,760						

**PLATTE RIVER BASIN  
( LOUP RIVER )**

MIDDLE LOUP CANAL NO. 3 from Middle Loup River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	33	129	101	113			
2					0	33	133	112	109			
3					0	33	128	110	101			
4					0	34	128	109	91			
5					0	35	129	110	89			
6					0	37	127	109	79			
7					0	36	127	109	74			
8					0	33	127	109	73			
9					0	33	100	108	73			
10					0	23	81	102	73			
11					0	16	77	100	68			
12					0	16	62	91	50			
13					0	16	63	83	18			
14					48	16	70	85	0			
15					67	14	105	85	0			
16					66	12	127	86	0			
17					53	19	129	94	0			
18					43	29	134	94	0			
19					43	39	138	107	0			
20					43	47	139	121	0			
21					42	61	135	123	0			
22					42	76	124	128	0			
23					42	81	113	131	0			
24					35	87	113	117	0			
25					34	87	100	118	0			
26					34	102	91	120	0			
27					34	126	91	122	0			
28					35	120	91	120	0			
29		-----			32	126	90	117	0			
30		-----			34	126	93	116	0			
31		-----		-----	33	-----	93	112	-----		-----	
TOTAL					760	1,546	3,387	3,349	1,011			
MEAN					24.5	51.5	109	108	33.7			
MAX					67	126	139	131	113			
MIN					0	12	62	83	0			
AC-FT					1,510	3,070	6,720	6,640	2,010			
CALENDAR YEAR 1991.--MAX		139	MIN	0	AC-FT	19,940						

# PLATTE RIVER BASIN ( LOUP RIVER )

MIDDLE LOUP CANAL NO. 4 from Middle Loup River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	42	126	109	86			
2					0	40	125	113	82			
3					0	39	124	111	81			
4					0	39	124	111	77			
5					0	38	125	113	79			
6					0	39	123	100	73			
7					0	36	118	87	61			
8					0	29	121	84	54			
9					0	29	88	84	54			
10					0	31	73	84	55			
11					0	32	73	86	49			
12					0	32	50	87	39			
13					0	32	50	90	18			
14					0	32	75	90	0			
15					0	33	100	87	0			
16					0	33	114	87	0			
17					0	32	122	88	0			
18					0	47	129	87	0			
19					0	57	139	98	0			
20					31	57	122	120	0			
21					81	65	117	115	0			
22					72	70	108	111	0			
23					58	69	93	106	0			
24					55	74	76	108	0			
25					49	91	76	105	0			
26					48	107	80	108	0			
27					48	122	95	107	0			
28					47	121	95	108	0			
29		-----			46	120	95	111	0			
30		-----			45	122	94	104	0			
31		-----		-----	44	-----	99	86	-----		-----	
TOTAL					624	1,710	3,149	3,085	808			
MEAN					20.1	57.0	102	99.5	26.9			
MAX					81	122	139	120	86			
MIN					0	29	50	84	0			
AC-FT					1,240	3,390	6,250	6,120	1,600			
CALENDAR YEAR 1991.--MAX		139	MIN	0	AC-FT	18,600						

**PLATTE RIVER BASIN  
( LOUP RIVER )**

MIDDLE LOUP CANAL NO. 4 from Sherman Feeder Canal - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	26	3.7				
2						0	26	1.9				
3						0	27	0				
4						0	26	2.6				
5						0	20	1.9				
6						0	18	0				
7						0	19	0				
8						0	23	1.5				
9						0	7.4	3.1				
10						0	0	0				
11						0	0	0				
12						0	0	19				
13						0	0	0				
14						0	0	0				
15						0	0	0				
16						0	10	11				
17						0	20	19				
18						0	26	15				
19						0	26	16				
20						0	11	15				
21						0	0	9.2				
22						0	0	9.6				
23						0	0	3.7				
24						0	0	0				
25						0	0	0				
26						20	10	0				
27						23	6.4	0				
28						25	0	0				
29		-----				27	0	0				
30		-----				23	0	0				
31		-----		-----		-----	0	0	-----		-----	
TOTAL						118	301.8	132.2				
MEAN						3.93	9.74	4.26				
MAX						27	27	19				
MIN						0	0	0				
AC-FT						234	599	262				

CALENDAR YEAR 1991.--MAX 27 MIN 0 AC-FT 1,090



**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

FARWELL (SHERMAN FEEDER) CANAL from Middle Loup River - 1991

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 1090 A.F. delivered to Middle Loup Canal No. 4.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	357	134	143	324	319	452		
2				0	358	101	152	310	347	455		
3				0	371	99	141	290	372	454		
4				0	373	98	136	285	386	455		
5				0	359	90	137	300	416	456		
6				0	351	103	127	313	457	451		
7				0	351	201	124	321	471	436		
8				0	349	265	131	300	456	462		
9				0	348	256	180	315	455	434		
10				0	307	254	239	345	457	169		
11				0	279	250	294	343	462	0		
12				0	281	270	323	346	458	0		
13				0	289	292	338	383	459	0		
14				0	290	292	309	400	457	0		
15				61	278	295	208	382	445	0		
16				127	278	297	153	377	449	0		
17				238	278	330	141	374	451	0		
18				331	267	351	111	386	456	0		
19				361	266	350	123	353	456	0		
20				357	264	385	147	319	456	0		
21				361	297	399	142	284	457	0		
22				357	330	439	238	283	464	0		
23				355	329	506	321	304	462	0		
24				351	327	543	395	320	456	0		
25				356	324	547	397	276	450	0		
26				365	324	496	377	289	450	0		
27				364	322	373	377	266	456	0		
28				361	253	318	385	241	456	0		
29				358	205	225	397	254	455	0		
30		-----		354	200	164	381	280	455	0		
31		-----		-----	190	-----	364	284	-----	0	-----	
TOTAL				5,057	9,395	8,723	7,431	9,847	13,246	4,224		
MEAN				169	303	291	240	318	442	136		
MAX				365	373	547	397	400	471	462		
MIN				0	190	90	111	241	319	0		
AC-FT				10,030	18,630	17,300	14,740	19,530	26,270	8,380		

CALENDAR YEAR 1991.--MAX 547 MIN 0 AC-FT 114,900

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

SHERMAN RESERVOIR storage in acre-feet - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	50,584	49,650	48,961	47,812	55,419	69,653	64,038	39,711	23,713	47,589	52,722	51,768
2	50,584	49,650	48,961	47,812	55,921	69,653	62,404	39,110	24,286	48,272	52,722	51,531
3	50,584	49,421	48,731	47,812	56,675	69,941	60,810	38,327	25,017	48,961	52,722	51,531
4	50,584	49,421	48,731	47,812	57,177	69,941	58,978	37,544	25,607	49,650	52,478	51,531
5	50,584	49,421	48,731	47,812	57,945	69,653	57,428	36,970	26,365	50,347	52,478	51,531
6	50,347	49,421	48,731	47,812	58,203	69,653	56,173	36,403	27,129	51,294	52,478	51,531
7	50,347	49,421	48,731	47,812	58,720	69,076	54,973	36,024	28,074	51,768	52,478	51,531
8	50,347	49,421	48,731	47,812	59,237	69,076	53,210	35,646	29,036	52,478	52,478	51,294
9	50,347	49,421	48,731	47,589	59,754	69,076	52,241	35,092	29,689	53,210	52,478	51,294
10	50,347	49,421	48,501	47,589	60,278	69,076	52,241	34,727	30,688	53,941	52,241	51,294
11	50,347	49,421	48,501	47,589	60,810	69,076	52,478	34,363	31,535	54,429	52,241	51,294
12	50,347	49,191	48,501	47,589	61,342	69,076	52,478	33,998	32,402	54,429	52,241	51,294
13	50,110	49,191	48,501	47,589	61,607	69,076	52,722	33,633	33,457	54,185	52,241	51,294
14	50,110	49,191	48,272	47,306	62,139	69,365	52,966	33,457	34,363	54,185	52,241	51,294
15	50,110	49,191	48,272	47,306	62,404	69,365	52,966	33,281	35,275	53,941	52,241	51,294
16	50,110	49,191	48,272	47,306	62,944	69,076	52,478	33,105	35,835	53,941	52,241	51,294
17	50,110	49,191	48,272	47,306	63,491	69,076	51,294	32,754	36,781	53,698	52,004	51,294
18	50,110	49,191	48,272	47,589	63,764	69,076	49,880	32,402	37,544	53,698	52,004	51,057
19	50,110	49,191	48,272	48,272	64,038	69,076	48,272	32,050	38,327	53,554	52,004	51,057
20	50,110	49,191	48,272	48,961	64,311	69,076	46,920	31,535	39,110	53,554	52,004	51,057
21	49,880	49,191	48,272	49,650	64,857	69,076	45,367	30,688	39,914	53,210	52,004	51,057
22	49,880	49,191	48,272	49,880	65,134	69,076	44,071	29,852	40,724	53,210	52,004	51,057
23	49,880	49,191	48,272	50,584	65,965	69,076	43,005	28,873	41,540	53,210	52,004	51,057
24	49,880	48,961	48,042	51,057	66,527	69,076	42,377	28,074	42,377	52,966	51,768	50,820
25	49,880	48,961	48,042	51,768	67,088	69,365	41,959	27,129	43,005	52,966	51,768	50,820
26	49,880	48,961	48,042	52,241	67,369	69,365	41,540	26,517	43,855	52,966	51,768	50,820
27	49,650	48,961	48,042	52,966	67,930	69,076	41,331	25,758	44,503	52,722	51,768	50,820
28	49,650	48,961	48,042	53,554	68,499	68,499	41,129	24,871	45,367	52,722	51,768	50,820
29	49,650	-----	48,042	54,429	68,788	67,369	40,724	24,140	46,252	52,722	51,768	50,820
30	49,650	-----	48,042	54,973	69,076	65,685	40,521	23,572	46,920	52,722	51,768	50,584
31	49,650	-----	48,042	-----	69,365	-----	40,319	23,150	-----	52,722	-----	50,584
MAX	50,584	49,650	48,961	54,973	69,365	69,941	64,038	39,711	46,920	54,429	52,722	51,768
MIN	49,650	48,961	48,042	47,306	55,419	65,685	40,319	23,150	23,713	47,589	51,768	50,584
CHANGE	-934	-689	-919	6,931	14,392	-3,680	-25,366	-17,169	23,770	5,802	-954	-1,184

CALENDAR YEAR 1991.--MEAN 50,155 MAX 69,941 MIN 23,150

**PLATTE RIVER BASIN  
( LOUP RIVER )**

FARWELL "MAIN" CANAL from Sherman Reservoir - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	566	417				
2						0	566	417				
3						0	547	361				
4						0	541	339				
5						43	541	311				
6						83	516	287				
7						104	506	275				
8						113	495	283				
9						113	206	275				
10						113	67	262				
11						113	67	258				
12						123	85	283				
13						127	108	279				
14						127	112	298				
15						127	264	302				
16						127	421	302				
17						143	498	306				
18						157	524	302				
19						162	529	349				
20						171	490	389				
21						179	474	404				
22						198	447	412				
23						204	398	412				
24						216	357	381				
25						265	324	373				
26						318	306	360				
27						399	285	348				
28						493	283	326				
29		-----				575	298	290				
30		-----				578	360	255				
31		-----		-----		-----	398	61	-----		-----	
TOTAL						5,371	11,579	9,917				
MEAN						179	374	320				
MAX						578	566	417				
MIN						0	67	61				
AC-FT						10,650	22,970	19,670				

CALENDAR YEAR 1991.--MAX 578 MIN 0 AC-FT 53,290

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

FARWELL "SOUTH" CANAL from Sherman Reservoir - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	338	186				
2						0	356	197				
3						0	356	204				
4						0	352	207				
5						0	339	212				
6						43	312	207				
7						60	300	204				
8						59	300	194				
9						59	120	188				
10						59	45	177				
11						59	46	174				
12						65	49	180				
13						68	69	161				
14						73	76	153				
15						76	128	159				
16						76	213	161				
17						76	267	156				
18						79	303	153				
19						84	312	193				
20						92	298	234				
21						108	298	241				
22						115	283	241				
23						115	251	257				
24						117	218	257				
25						145	189	254				
26						182	178	248				
27						224	163	241				
28						276	159	232				
29		-----				319	153	215				
30		-----				329	164	192				
31		-----		-----		-----	182	46	-----		-----	
TOTAL						2,958	6,817	6,124				
MEAN						98.6	220	198				
MAX						329	356	257				
MIN						0	45	46				
AC-FT						5,870	13,520	12,150				

CALENDAR YEAR 1991.--MAX 356 MIN 0 AC-FT 31,540

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

TAYLOR-ORD CANAL from North Loup River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	58	207	203	195			
2					0	56	206	203	194			
3					0	62	207	203	190			
4					0	57	206	205	182			
5					0	62	207	205	163			
6					0	57	206	202	139			
7					0	60	205	198	121			
8					0	60	206	196	113			
9					0	60	207	198	100			
10					0	66	206	199	92			
11					0	69	204	199	83			
12					0	61	200	198	80			
13					0	58	204	200	70			
14					0	62	205	201	70			
15					57	71	206	196	66			
16					91	85	202	191	64			
17					57	84	203	193	67			
18					47	97	201	196	60			
19					53	107	202	196	59			
20					51	125	202	197	46			
21					47	139	200	196	45			
22					50	142	202	195	43			
23					52	136	200	196	36			
24					48	138	203	193	19			
25					46	140	202	197	19			
26					47	159	203	190	9.2			
27					53	163	203	185	0			
28					60	178	204	183	0			
29		-----			66	199	206	186	0			
30		-----			59	206	202	195	0			
31		-----		-----	58	-----	203	195	-----		-----	
TOTAL					942	3,017	6,320	6,090	2,325.2			
MEAN					30.4	101	204	196	77.5			
MAX					91	206	207	205	195			
MIN					0	56	200	183	0			
AC-FT					1,870	5,980	12,540	12,080	4,610			
CALENDAR YEAR 1991.--MAX		207	MIN	0	AC-FT	37,080						

**PLATTE RIVER BASIN  
( LOUP RIVER )**

TAYLOR-ORD CANAL inlet to Mirdan Canal - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	33	129	126	122			
2					0	35	122	124	123			
3					0	36	122	123	124			
4					0	36	120	126	124			
5					0	36	120	126	121			
6					0	37	120	125	93			
7					0	34	119	124	79			
8					0	36	117	123	70			
9					0	35	117	123	56			
10					0	38	117	123	49			
11					0	41	116	126	44			
12					0	40	116	123	51			
13					0	36	116	125	37			
14					0	39	117	125	35			
15					0	46	118	122	33			
16					16	56	115	118	30			
17					41	60	116	116	35			
18					30	69	116	118	34			
19					27	74	121	122	31			
20					29	83	124	121	29			
21					28	95	123	118	23			
22					25	100	121	116	23			
23					25	98	121	115	28			
24					24	98	122	117	19			
25					22	96	122	119	14			
26					20	104	120	120	12			
27					20	105	119	117	3.4			
28					28	111	121	116	0			
29		-----			34	125	122	115	0			
30		-----			38	132	125	116	0			
31		-----	-----	-----	35	-----	125	119	-----	-----		
TOTAL					442	1,964	3,719	3,747	1,442.4			
MEAN					14.3	65.5	120	121	48.1			
MAX					41	132	129	126	124			
MIN					0	33	115	115	0			
AC-FT					877	3,900	7,380	7,430	2,860			

CALENDAR YEAR 1991.--MAX 132 MIN 0 AC-FT 22,440

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

TAYLOR-ORD CANAL outlet from Mirdan Canal - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	15	77	76	81	10		
2					0	15	77	72	81	5.7		
3					0	17	76	69	81	5.5		
4					0	18	75	69	83	2.3		
5					0	18	75	70	84	0		
6					0	18	75	74	80	0		
7					0	19	75	75	59	0		
8					0	19	73	76	55	0		
9					0	19	74	77	52	0		
10					0	18	77	78	40	0		
11					0	19	81	79	38	0		
12					0	21	83	77	41	0		
13					0	20	82	80	44	0		
14					0	20	81	82	37	0		
15					0	24	82	82	32	0		
16					24	28	80	79	31	0		
17					33	40	79	74	30	0		
18					34	46	79	74	30	0		
19					33	49	82	72	30	0		
20					29	54	84	75	30	0		
21					24	66	83	74	28	0		
22					22	73	82	71	25	0		
23					22	75	80	70	23	0		
24					22	76	79	76	23	0		
25					21	78	82	80	22	0		
26					20	78	86	81	21	0		
27					18	79	86	81	20	0		
28					11	77	86	74	19	0		
29		-----			12	77	86	72	17	0		
30		-----			15	78	80	77	15	0		
31		-----		-----	15	-----	78	81	-----	0	-----	
TOTAL					355	1,254	2,475	2,347	1,252	23.5		
MEAN					11.5	41.8	79.8	75.7	41.7	.76		
MAX					34	79	86	82	84	10		
MIN					0	15	73	69	15	0		
AC-FT					704	2,490	4,910	4,660	2,480	47		

CALENDAR YEAR 1991.--MAX 86 MIN 0 AC-FT 15,290

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

CALAMUS RESERVOIR from Calamus River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	106,960	107,830	107,967	116,740	125,971	127,349	119,766	93,874	72,572	62,075	78,156	95,348
2	106,778	108,059	107,876	117,127	125,971	127,093	118,735	93,414	71,825	62,727	78,416	95,899
3	106,869	108,151	107,876	117,467	126,429	127,093	117,954	92,665	71,118	63,153	78,416	96,495
4	107,006	108,151	107,922	117,856	124,855	126,940	116,885	91,879	70,344	63,713	78,567	96,580
5	107,143	108,059	108,059	118,784	125,463	126,735	116,015	91,302	69,785	64,275	79,168	97,179
6	107,159	108,151	108,103	119,274	126,946	126,633	115,438	90,562	69,125	64,774	79,846	97,867
7	107,234	108,151	108,151	119,569	126,838	126,582	114,480	89,871	68,537	65,309	80,566	98,600
8	107,371	108,197	108,105	121,199	126,276	126,582	113,670	89,263	67,781	64,846	81,137	99,034
9	107,326	108,243	108,059	119,717	126,276	126,429	112,674	88,456	67,508	66,386	81,978	99,686
10	107,326	108,381	108,151	120,160	126,378	126,786	111,967	87,654	66,894	66,793	82,671	100,123
11	107,326	108,335	108,197	120,555	126,124	126,582	111,075	86,937	66,754	67,337	83,367	100,605
12	107,417	108,013	108,381	122,194	126,378	126,378	110,281	86,422	66,521	67,816	84,027	101,440
13	107,417	108,151	108,658	122,543	126,582	126,429	109,398	85,790	67,030	68,227	84,730	101,926
14	107,692	108,243	108,796	122,893	126,276	126,531	108,381	85,121	66,894	68,641	85,313	102,458
15	107,784	108,013	109,074	122,843	126,175	126,480	107,692	84,573	66,623	69,056	85,987	103,081
16	107,784	108,059	109,676	123,244	125,971	125,669	106,732	83,988	66,251	69,472	86,580	103,527
17	107,830	108,105	110,094	123,796	126,124	126,022	105,777	83,259	65,779	70,099	87,375	103,885
18	107,784	108,381	110,607	124,552	125,512	125,920	104,738	82,671	65,476	70,485	87,974	104,558
19	107,692	108,259	111,075	124,098	125,108	126,073	103,975	82,094	64,974	70,871	88,577	104,873
20	107,876	108,243	111,684	124,350	126,073	125,971	102,858	81,450	64,774	71,329	89,061	105,596
21	107,738	108,335	112,249	125,514	126,786	125,514	102,103	80,680	64,574	71,789	89,790	105,913
22	107,830	108,105	112,674	125,514	126,940	125,463	100,912	80,073	64,209	72,287	90,564	106,459
23	107,876	107,967	113,100	125,159	126,940	124,956	100,036	79,816	63,746	72,822	91,015	106,869
24	107,830	107,784	113,432	125,159	126,940	124,754	99,034	79,055	63,482	73,252	91,425	107,326
25	107,967	107,600	114,241	125,362	126,940	124,249	98,384	78,306	63,317	73,756	91,961	107,967
26	107,967	107,646	114,528	125,514	126,785	123,947	97,737	77,635	62,989	74,275	92,416	108,151
27	107,922	107,646	115,390	124,602	126,633	123,043	97,093	76,746	62,793	74,587	93,181	108,243
28	107,876	107,692	115,390	125,362	126,684	122,044	96,538	75,900	62,662	75,109	93,581	108,335
29	107,830	-----	115,630	125,159	126,684	121,149	95,899	75,096	62,401	76,194	94,252	108,427
30	107,830	-----	116,305	125,412	126,940	120,337	95,475	74,734	62,336	76,636	95,052	108,520
31	107,784	-----	116,450	-----	126,991	-----	94,462	73,465	-----	77,140	-----	108,474
MAX	107,967	108,381	116,450	125,514	126,991	127,349	119,766	93,874	72,572	77,140	95,052	108,520
MIN	106,778	107,600	107,876	116,740	124,855	120,337	94,462	73,465	62,336	62,075	78,156	95,348
CHANGE	961	-92.0	8,758	8,962	1,579	-6,654	-25,875	-20,997	-11,129	14,804	17,912	13,422

CALENDAR YEAR 1991.--MEAN 101,321      MAX 127,349      MIN 62,075



**PLATTE RIVER BASIN  
( LOUP RIVER )**

MIRDAN CANAL from Calamus Reservoir - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	79	56	330	239	255			
2				0	77	56	355	238	243			
3				0	71	55	365	234	235			
4				0	66	25	327	237	191			
5				0	60	16	310	276	160			
6				0	57	24	317	290	151			
7				0	57	25	321	308	122			
8				0	53	25	327	308	98			
9				0	53	26	326	306	31			
10				0	51	57	379	270	0			
11				0	49	67	416	262	0			
12				0	48	62	397	258	0			
13				0	47	53	381	236	0			
14				0	47	57	379	234	0			
15				0	48	68	393	233	0			
16				0	49	70	405	229	0			
17				0	47	60	435	216	0			
18				0	47	60	366	215	0			
19				0	47	67	449	244	0			
20				0	102	112	440	254	0			
21				0	172	130	429	265	0			
22				0	197	130	402	262	0			
23				80	161	129	320	272	0			
24				87	150	179	290	266	0			
25				90	148	225	276	263	0			
26				90	147	290	254	271	0			
27				89	148	324	250	273	0			
28				90	107	365	253	288	0			
29		-----		89	99	317	241	291	0			
30		-----		78	101	303	264	277	0			
31		-----		-----	66	-----	266	259	-----		-----	
TOTAL				693	2,651	3,433	10,663	8,074	1,486			
MEAN				23.1	85.5	114	344	260	49.5			
MAX				90	197	365	449	308	255			
MIN				0	47	16	241	215	0			
AC-FT				1,370	5,260	6,810	21,150	16,010	2,950			

CALENDAR YEAR 1991.--MAX 449 MIN 0 AC-FT 53,550

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

SCOTIA CANAL from Mirdan Canal - 1991

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

GAGE.--Continuous stage recorder and modified Parshall flume

PERIOD OF RECORD.--1989 - present

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	132	116	122			
2						0	133	118	121			
3						0	133	119	120			
4						0	127	119	119			
5						0	127	119	119			
6						0	131	120	119			
7						0	132	125	100			
8						0	134	125	66			
9						0	135	125	21			
10						9.3	133	121	11			
11						14	131	119	11			
12						14	129	119	11			
13						26	131	117	11			
14						25	132	119	10			
15						25	136	122	11			
16						26	137	121	9.2			
17						25	137	118	6.3			
18						26	132	116	3.0			
19						40	148	120	0			
20						86	152	122	0			
21						90	153	122	0			
22						88	155	122	0			
23						91	140	119	0			
24						97	128	116	0			
25						98	127	115	0			
26						99	120	123	0			
27						101	117	125	0			
28						123	118	122	0			
29		-----				127	119	122	0			
30		-----				126	119	122	0			
31		-----		-----		-----	118	122	-----		-----	
TOTAL						1,356.3	4,096	3,730	990.5			
MEAN						45.2	132	120	33.0			
MAX						127	155	125	122			
MIN						0	117	115	0			
AC-FT						2,690	8,120	7,400	1,960			

CALENDAR YEAR 1991.--MAX 155 MIN 0 AC-FT 20,180

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

INLET TO DAVIS CREEK RESERVOIR from Mirden Canal - 1991

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

GAGE.--Continuous stage recorder and modified Parshall Flume

PERIOD OF RECORD.--1991

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				0	31	54	50	28				
2				0	23	56	54	23				
3				0	32	56	54	22				
4				0	31	29	23	23				
5				0	30	0	0	24				
6				0	29	0	0	25				
7				0	31	0	0	28				
8				0	30	0	0	28				
9				0	27	0	6.4	26				
10				0	26	18	68	25				
11				0	26	29	119	21				
12				0	26	27	101	26				
13				0	22	19	94	26				
14				0	22	9.8	87	13				
15				0	23	9.8	80	0				
16				0	23	9.6	78	0				
17				0	23	9.6	76	0				
18				0	25	9.7	30	0				
19				0	25	9.3	48	0				
20				0	82	9.4	95	0				
21				0	147	9.6	95	0				
22				0	180	9.6	79	0				
23				0	160	9.6	45	0				
24				0	139	31	32	0				
25				3.1	140	77	32	0				
26				35	140	126	33	0				
27				37	140	146	33	0				
28				54	116	151	32	0				
29		-----		52	102	84	28	0				
30		-----		48	104	48	27	0				
31		-----		-----	76	-----	29	0	-----		-----	
TOTAL				229.1	2,031	1,047.0	1,528.4	338				
MEAN				7.64	65.5	34.9	49.3	10.9				
MAX				54	180	151	119	28				
MIN				0	22	0	0	0				
AC-FT				454	4,030	2,080	3,030	670				

CALENDAR YEAR 1991.--MAX 180 MIN 0 AC-FT 10,260

**PLATTE RIVER BASIN**  
**( LOUP RIVER )**

BURWELL-SUMTER CANAL from North Loup River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	77	99	102			
2						0	79	99	103			
3						0	82	98	101			
4						0	84	98	94			
5						0	83	98	83			
6						0	82	98	69			
7						0	82	97	63			
8						0	87	97	72			
9						0	90	97	67			
10						29	89	98	51			
11						58	87	98	44			
12						52	89	98	44			
13						48	89	98	40			
14						47	90	99	35			
15						44	90	99	31			
16						34	92	100	30			
17						34	92	100	30			
18						33	93	101	29			
19						31	93	102	27			
20						30	94	101	13			
21						31	95	100	0			
22						36	97	99	0			
23						47	96	99	0			
24						45	96	98	0			
25						45	96	97	0			
26						47	96	97	0			
27						59	96	98	0			
28						69	96	98	0			
29		-----				73	96	98	0			
30		-----				75	96	100	0			
31		-----		-----		-----	96	101	-----		-----	
TOTAL						967	2,800	3,060	1,128			
MEAN						32.2	90.3	98.7	37.6			
MAX						75	97	102	103			
MIN						0	77	97	0			
AC-FT						1,920	5,550	6,070	2,240			
CALENDAR YEAR 1991.--MAX		103	MIN	0	AC-FT	15,780						

**PLATTE RIVER BASIN  
( LOUP RIVER )**

ORD-NORTH LOUP CANAL from North Loup River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	23	107	96	92			
2					0	21	109	96	89			
3					0	24	108	96	84			
4					0	24	108	95	73			
5					0	24	108	92	73			
6					0	26	110	87	69			
7					0	25	110	83	63			
8					0	25	111	83	51			
9					0	26	113	83	39			
10					0	31	111	84	26			
11					0	26	105	88	28			
12					0	26	100	88	31			
13					0	22	100	83	30			
14					0	24	101	84	28			
15					0	25	100	83	28			
16					0	23	100	83	27			
17					0	28	100	83	25			
18					0	30	100	84	25			
19					0	30	100	83	25			
20					0	37	100	86	12			
21					44	49	99	89	0			
22					34	50	101	90	0			
23					35	55	105	90	0			
24					24	57	103	90	0			
25					22	74	103	91	0			
26					23	91	102	90	0			
27					23	103	104	92	0			
28					22	109	100	92	0			
29		-----			25	108	94	89	0			
30		-----			25	108	95	89	0			
31		-----		-----	24	-----	95	90	-----		-----	
TOTAL					301	1,324	3,202	2,732	918			
MEAN					9.71	44.1	103	88.1	30.6			
MAX					44	109	113	96	92			
MIN					0	21	94	83	0			
AC-FT					597	2,630	6,350	5,420	1,820			
CALENDAR YEAR 1991.--MAX	113											
MIN				0								
AC-FT						16,810						

**PLATTE RIVER BASIN  
( LOUP RIVER )**

BEAVER CREEK at Loretto - 1991

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. Calendar year 1991 summary includes the whole year.  
e = estimated discharge  
a = missing gage height record

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										42	34e	50e
2										42	36e	55e
3										41	40e	55e
4										46	50e	55e
5										50	45e	55e
6										49	43e	60e
7										49	43e	65e
8										49	44e	70
9										48	52e	76
10										47	66e	74a
11										46	80e	74a
12										45	86e	85
13										44	91e	102
14										43	86e	85
15										43	85e	71
16										45	73	67
17										45	70	62
18										43	73	58
19										43	71	52
20										45	66	60
21										46	60	60
22										47	58	59
23										46	58	58
24										44	55	58
25										44	54	60
26										44	53	59
27										46	54	60
28										48	54	61
29		-----								45e	54	61
30		-----								45e	43e	62
31		-----		-----		-----			-----	45e	-----	65
TOTAL										1,405	1,777	1,994
MEAN										45.3	59.2	64.3
MAX										50	91	102
MIN										41	34	50
AC-FT										2,790	3,520	3,960
CALENDAR YEAR 1991	TOTAL		21,850	MEAN	59.8	MAX	481	MIN	19	AC-FT	43,350	

**PLATTE RIVER BASIN  
( ELKHORN RIVER )**

ELKHORN RIVER near Atkinson - 1991

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 through September 1991. Calendar year summary values are for the whole year.  
e = estimate discharge

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										5.2	10 e	13e
2										5.4	9.0e	12e
3										7.5	8.6e	11e
4										13	8.8e	13e
5										11	10 e	15e
6										8.9	9.6e	17e
7										8.4	11 e	19e
8										8.5	13 e	18e
9										8.2	15 e	17e
10										8.2	17 e	16e
11										8.5	19 e	15e
12										9.4	21 e	15e
13										9.6	19 e	16e
14										9.3	22	14e
15										9.0	20	15e
16										9.8	20	14e
17										9.3	24	15e
18										8.8	22	14e
19										9.4	20	16e
20										10	19	17e
21										11	19	16e
22										11	19	15e
23										11	17 e	15e
24										11	16 e	14e
25										11	17 e	16e
26										11	19	15e
27										13	17	13e
28										13 e	17	14e
29		-----								14 e	14 e	15e
30		-----								11 e	12 e	16e
31		-----		-----		-----			-----	11 e	-----	17e
TOTAL										305.4	485.0	468
MEAN										9.85	16.2	15.1
MAX										14	24	19
MIN										5.2	8.6	11
AC-FT										606	962	928
CALENDAR YEAR 1991.--TOTAL			20,399.4	MEAN	55.8	MAX	860	MIN	1.1	AC-FT	40,460	

**PLATTE RIVER BASIN**  
**( ELKHORN RIVER )**

SOUTH FORK ELKHORN RIVER near Ewing - 1991

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.  
Calendar year summary values are for the whole year.  
e = estimated discharge

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										27	30e	34e
2										28	30e	33e
3										30	30e	32e
4										29	30e	30e
5										27	30e	28e
6										26	30e	30e
7										27	30e	35e
8										26	31e	41
9										26	33e	43
10										25	35e	44
11										23	37e	43
12										23	38	41
13										22	39	40
14										23	40	38e
15										24	40	35e
16										24	40	40e
17										23	40	39e
18										23	43	38e
19										23	43	39e
20										24	45	40e
21										25	46	40e
22										25	46	40e
23										23	38e	40e
24										24	41e	42
25										25	40	42
26										25	40	41
27										25	39	38e
28										28e	40	40
29		-----								28e	40e	40
30		-----								28e	35e	40
31		-----		-----		-----			-----	29e	-----	40
TOTAL										788	1,119	1,186
MEAN										25.4	37.3	38.3
MAX										30	46	44
MIN										22	30	28
AC-FT										1,560	2,220	2,350
CALENDAR YEAR 1991	TOTAL	14,165	MEAN	38.8	MAX	209	MIN	18	AC-FT	28,100		



**PLATTE RIVER BASIN  
( ELKHORN RIVER )**

CLEARWATER CREEK near Clearwater - 1991

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. Calendar year summary values are for the whole year.  
e = estimated discharge

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1										17	20e	21e
2										18	18e	21e
3										18	19e	21e
4										22	22e	21e
5										22	25e	23e
6										21	28e	26e
7										21	27e	28e
8										21	28e	29
9										20	29e	27
10										20	30e	27
11										21	31e	26
12										22	31e	25e
13										22	31	25e
14										22	29	26e
15										23	27	26e
16										24	26	27
17										25	28	25
18										24	28	23e
19										25	25	21e
20										25	24	25e
21										26	24	25e
22										27	24	25e
23										26	23e	25e
24										26	22e	25e
25										27	22e	25
26										27	23e	25
27										27	23e	24
28										28e	23e	24
29		-----								27e	21e	24
30		-----								25e	21e	24
31		-----		-----		-----			-----	25e	-----	24
TOTAL										724	752	763
MEAN										23.4	25.1	24.6
MAX										28	31	29
MIN										17	18	21
AC-FT										1,440	1,490	1,510
CALENDAR YEAR 1991	TOTAL		10,361	MEAN	28.4	MAX	123	MIN	7.0	AC-FT	20,550	

**PLATTE RIVER BASIN**  
**( ELKHORN RIVER )**

WILLOW CREEK RESERVOIR from Willow Creek - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1983 - present

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

## DAILY CONTENTS IN ACRE-FEET FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2,530	2,560	2,790	3,160	3,490	3,830	4,150	3,180	2,370	2,000	1,940	2,130
2	2,530	2,570	2,790	3,170	3,480	3,830	4,190	3,130	2,340	1,980	1,950	2,130
3	2,530	2,580	2,800	3,180	3,540	3,830	4,180	3,090	2,310	1,970	1,950	2,140
4	2,530	2,590	2,810	3,180	3,560	3,850	4,160	3,050	2,280	1,980	1,950	2,160
5	2,530	2,590	2,830	3,180	3,570	3,950	4,140	3,010	2,240	1,970	1,950	2,170
6	2,530	2,610	2,830	3,190	3,600	3,980	4,110	2,990	2,210	1,970	1,950	2,180
7	2,530	2,610	2,840	3,190	3,610	4,030	4,080	2,970	2,190	1,970	1,940	2,190
8	2,530	2,620	2,850	3,200	3,630	4,080	4,040	2,960	2,170	1,960	1,940	2,210
9	2,530	2,630	2,850	3,200	3,660	4,110	4,010	2,950	2,150	1,950	1,940	2,240
10	2,530	2,640	2,850	3,210	3,670	4,120	3,990	2,930	2,130	1,950	1,930	2,260
11	2,530	2,640	2,860	3,220	3,680	4,130	3,970	2,920	2,120	1,950	1,920	2,280
12	2,520	2,650	2,860	3,230	3,690	4,130	3,940	2,910	2,120	1,950	1,910	2,310
13	2,520	2,660	2,880	3,240	3,700	4,120	3,910	2,900	2,120	1,940	1,920	2,340
14	2,520	2,660	2,900	3,250	3,700	4,140	3,880	2,890	2,130	1,940	1,940	2,360
15	2,510	2,670	2,910	3,260	3,700	4,230	3,840	2,880	2,130	1,940	1,960	2,380
16	2,510	2,680	2,910	3,280	3,710	4,240	3,800	2,850	2,130	1,930	1,970	2,390
17	2,510	2,680	2,920	3,290	3,720	4,240	3,770	2,810	2,110	1,930	1,990	2,390
18	2,510	2,690	2,940	3,300	3,710	4,220	3,720	2,780	2,110	1,920	2,000	2,380
19	2,500	2,700	2,950	3,320	3,720	4,210	3,680	2,760	2,100	1,920	2,020	2,370
20	2,510	2,710	2,970	3,330	3,730	4,200	3,640	2,730	2,090	1,910	2,030	2,350
21	2,510	2,730	2,980	3,350	3,750	4,200	3,600	2,710	2,080	1,910	2,050	2,320
22	2,510	2,730	3,000	3,360	3,760	4,190	3,560	2,680	2,080	1,910	2,050	2,290
23	2,520	2,750	3,010	3,370	3,770	4,190	3,530	2,650	2,070	1,900	2,060	2,320
24	2,520	2,760	3,020	3,370	3,770	4,190	3,490	2,620	2,060	1,900	2,070	2,340
25	2,530	2,770	3,040	3,380	3,780	4,190	3,460	2,590	2,050	1,900	2,070	2,340
26	2,530	2,770	3,060	3,390	3,790	4,200	3,430	2,560	2,040	1,900	2,070	2,340
27	2,540	2,770	3,080	3,410	3,800	4,180	3,390	2,530	2,040	1,900	2,070	2,350
28	2,540	2,780	3,100	3,420	3,810	4,150	3,360	2,490	2,030	1,910	2,080	2,350
29	2,540	-----	3,110	3,500	3,820	4,130	3,310	2,460	2,020	1,920	2,090	2,360
30	2,560	-----	3,130	3,500	3,820	4,120	3,270	2,440	2,010	1,920	2,130	2,380
31	2,560	-----	3,150	-----	3,820	-----	3,220	2,410	-----	1,930	-----	2,400
MAX	2,560	2,780	3,150	3,500	3,820	4,240	4,190	3,180	2,370	2,000	2,130	2,400
MIN	2,500	2,560	2,790	3,160	3,480	3,830	3,220	2,410	2,010	1,900	1,910	2,130
CHANGE	20	228	360	355	317	300	-894	-812	-400	-80	202	264

CALENDAR YEAR 1991

MEAN	2,847	MAX	4,240	MIN	1,900
------	-------	-----	-------	-----	-------

**PLATTE RIVER BASIN**  
**( ELKHORN RIVER )**

WILLOW CREEK near Pierce - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1983 - present

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.--Maximum discharge 15 cubic feet per second on June 14 at gage height 3.37.  
Minimum daily discharge 2.0 cubic feet per second, August 29, 31 and September 1.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	4.8	4.6	4.4	4.7	5.7	5.5	6.9	3.3	2.0	3.0	5.0	4.9
2	4.6	4.7	4.1	4.9	5.6	5.2	7.1	3.0	2.2	3.1	4.9	4.9
3	4.5	4.7	3.7	4.9	5.8	5.1	6.8	2.9	2.2	2.9	4.6	4.6
4	4.5	4.7	3.6	5.2	5.7	5.3	6.0	2.9	2.4	2.9	4.5	4.2
5	4.5	4.7	3.6	5.6	5.8	5.3	5.7	3.1	2.6	2.9	4.8	4.6
6	4.3	4.6	3.6	6.1	5.9	5.1	5.7	3.3	2.8	2.8	5.0	4.9
7	4.2	4.4	3.4	6.3	5.9	5.1	5.2	3.7	3.2	3.2	4.8	5.0
8	4.1	4.6	3.7	6.2	6.1	5.2	5.3	3.5	3.2	3.3	4.1	5.0
9	4.0	4.5	3.8	5.8	6.4	4.9	5.0	3.7	3.1	3.4	3.9	5.1
10	4.0	4.4	3.8	5.3	6.6	5.1	3.6	4.2	3.1	3.4	4.1	5.1
11	4.3	4.3	3.9	5.0	6.8	4.9	3.6	4.1	3.2	3.5	4.2	5.3
12	4.4	4.4	4.1	5.1	7.0	4.8	3.7	4.1	3.5	3.6	4.1	5.1
13	4.7	4.8	4.1	5.1	6.9	4.8	3.6	3.9	3.2	3.8	4.1	4.9
14	4.8	4.6	4.2	5.1	6.6	5.3	3.4	3.2	2.7	3.9	4.3	5.1
15	4.7	4.5	4.1	5.1	6.7	4.5	3.5	2.8	2.8	3.8	4.2	4.8
16	4.7	4.7	4.0	5.2	6.5	4.7	3.4	2.9	3.0	4.0	4.1	4.7
17	4.7	4.8	3.9	5.3	6.5	4.9	3.4	3.0	3.1	4.1	4.2	4.7
18	4.7	4.9	4.2	5.2	6.3	5.1	3.3	2.9	3.0	4.1	4.3	4.6
19	4.9	4.5	4.3	5.0	5.9	5.5	3.2	2.5	2.8	4.0	4.1	4.7
20	5.3	4.6	4.3	5.2	6.0	5.3	3.4	2.7	2.7	4.3	4.2	4.7
21	4.7	4.8	4.3	5.5	6.0	5.3	3.3	2.8	2.8	4.5	4.3	4.5
22	5.1	4.6	4.3	5.5	6.1	5.4	3.4	3.0	2.9	4.5	4.2	4.6
23	5.1	4.6	4.1	5.1	5.8	5.6	3.0	3.0	2.9	4.5	4.1	4.8
24	4.9	4.6	4.1	5.3	5.7	6.0	3.0	2.4	2.9	4.5	4.1	4.9
25	5.1	4.3	4.1	5.6	5.7	6.3	3.2	2.6	3.0	4.5	3.9	4.9
26	5.1	4.3	4.1	5.5	5.7	6.6	3.3	2.8	2.9	4.7	4.2	5.0
27	5.4	4.2	4.1	5.5	5.8	6.4	3.5	2.4	2.9	4.9	4.5	5.1
28	5.2	4.4	4.1	5.3	5.8	6.3	3.7	2.2	3.0	4.8	4.7	4.5
29	5.0	-----	4.0	5.7	5.8	6.4	3.6	2.0	3.0	4.7	4.7	4.3
30	4.7	-----	4.1	5.8	5.7	6.7	3.3	2.1	2.9	4.6	4.7	4.3
31	4.4	-----	4.4	-----	5.7	-----	3.2	2.0	-----	4.7	-----	4.5
TOTAL	145.4	127.8	124.5	161.1	188.5	162.6	128.3	93.0	86.0	120.9	130.9	148.3
MEAN	4.69	4.56	4.02	5.37	6.08	5.42	4.14	3.00	2.87	3.90	4.36	4.78
MAX	5.4	4.9	4.4	6.3	7.0	6.7	7.1	4.2	3.5	4.9	5.0	5.3
MIN	4.0	4.2	3.4	4.7	5.6	4.5	3.0	2.0	2.0	2.8	3.9	4.2
AC-FT	288	253	247	320	374	323	254	184	171	240	260	294
CALENDAR YEAR 1991		TOTAL	1,617.3	MEAN	4.43	MAX	7.1	MIN	2.0	AC-FT	3,210	

PLATTE RIVER BASIN  
( ELKHORN RIVER )

BUTTERFLY CREEK near Stanton - 1991

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1990 to present

REMARKS.--"e" is for estimated discharge during ice periods.

Gage datum is 3.00 ft. Point of zero flow is about 3.20 ft.

MAXIMUM DISCHARGE.--1,380 cubic feet per second at 2130 hours on June 4, gage height 16.64 ft.

MINIMUM DAILY DISCHARGE.--0.10 cubic feet per second on August 31, September 1 &amp; 10.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	.40e	1.2	1.4	1.7	2.7	9.1	1.2	.43	.10	.34	1.2 e	1.0 e
2	.40e	3.5e	1.5	1.2	2.7	11	1.1	.40	.12	.27	.60e	.90e
3	.40e	9.0e	1.3	.95	5.1	12	1.1	.49	.11	.34	.25	.80e
4	.40e	8.0e	1.4	.88	4.0	263	1.2	.52	.11	.59	.40e	.90e
5	.40e	7.1e	1.5	.81	4.6	199	1.1	.54	.12	.43	.80e	.90e
6	.40e	2.8e	1.5	.83	3.4	13	1.1	.74	.12	.42	1.4 e	1.2 e
7	.30e	2.2e	1.4	.81	2.9	8.1	1.0	.76	.13	.36	1.4 e	2.0 e
8	.30e	1.8e	1.2	.81	3.2	6.3	1.1	.59	.14	.35	1.3 e	1.3 e
9	.30e	1.7e	1.2	.95	2.9	5.3	1.2	.27	.12	.35	1.2 e	1.2 e
10	.30e	1.7	1.1	1.0	2.8	4.6	1.2	.31	.10	.39	1.2 e	1.2 e
11	.30e	1.6	1.1	1.4	2.8	4.0	1.3	.37	.15	.32	1.2	1.1 e
12	.30e	1.5	1.3	2.3	2.9	3.5	1.1	.36	.40	.32	1.2	2.8 e
13	.30e	1.7	1.7	7.2	2.9	3.0	1.1	.45	12	.37	1.3	1.6 e
14	1.0 e	1.6	1.6	2.9	2.8	3.1	1.1	.43	46	.37	1.4	1.4 e
15	1.2 e	1.9	1.3	2.7	2.9	2.7	1.1	.33	.60	.37	1.5	1.2 e
16	.90e	1.3	1.4	2.8	3.0	2.3	.93	.44	.34	.31	1.3	1.2 e
17	.70e	1.5	2.5	2.8	6.1	2.0	.81	.33	.34	.28	1.8	1.1 e
18	.80e	1.7	2.2	2.7	4.3	2.0	.69	.30	.32	.28	2.0	1.1 e
19	.70e	1.7	1.4	2.6	3.6	1.9	.65	.31	.29	.31	1.7	1.1 e
20	.50e	3.2	1.7	2.7	3.7	1.8	.67	.37	.25	.40	1.2	1.1 e
21	.60e	2.6	1.4	2.6	3.7	1.8	.70	.38	.24	.41	1.1	1.2 e
22	.60e	1.6	1.3	2.7	3.7	1.9	.37	.24	.29	.44	1.3	1.3 e
23	.70e	1.4	1.6	2.8	3.7	1.8	.45	.24	.34	.41	1.1	1.1 e
24	.70e	1.6	.98	2.9	3.6	1.8	.63	.17	.32	.55	.89	1.0 e
25	.70e	1.4	.86	2.8	3.6	1.7	.61	.17	.29	.43	1.1	1.0 e
26	.80e	1.3	.79	2.8	3.7	1.6	.57	.16	.27	.46	1.1	1.0 e
27	.80e	1.7	1.2	2.8	3.6	1.5	.57	.13	.29	.51	1.1	1.1 e
28	.90e	1.3	1.5	2.9	3.4	1.4	.69	.14	.29	.73	1.2	1.2 e
29	1.0 e	-----	4.2	4.2	3.4	1.3	.51	.13	.28	.50e	1.2 e	1.3
30	1.0	-----	3.4	2.9	16	1.3	.35	.11	.30	.50e	1.1 e	1.4
31	1.1	-----	2.9	-----	16	-----	.33	.10	-----	.60e	-----	1.3
TOTAL	19.20	69.6	49.83	69.44	133.7	573.8	26.53	10.71	64.77	12.71	35.54	38.00
MEAN	.62	2.49	1.61	2.31	4.31	19.1	.86	.35	2.16	.41	1.18	1.23
MAX	1.2	9.0	4.2	7.2	16	263	1.3	.76	46	.73	2.0	2.8
MIN	.30	1.2	.79	.81	2.7	1.3	.33	.10	.10	.27	.25	.80
AC-FT	38	138	99	138	265	1,140	53	21	128	25	70	75
YEAR 1991	TOTAL	1,103.83	MEAN	3.02	MAX	263	MIN	.10	AC-FT	2,190		

**PLATTE RIVER BASIN  
( SALT CREEK )**

OAK CREEK at Lincoln - 1991

LOCATION.--NE1/4NE1/4 Sec. 7-10-6 E.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1987 - present

REMARKS.--e = estimated discharge due to backwater from ice

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,630 cubic feet per second on July 26, 1990, gage height 17.38 feet.  
Minimum daily discharge, 2.6 cubic feet per second on August 29, 1991

EXTREMES FOR CURRENT YEAR.--Maximum discharge calendar year 1991, 1,770 cubic feet per second on July 9, gage height 9.58 feet.  
Minimum daily discharge 2.6 cubic feet per second on August 29.

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	10 e	12e	21	14	16	16	10	25	6.5	3.1	22	18
2	9.0e	15e	28	12	14	215	12	25	6.5	2.8	19	16
3	8.0e	86	22	11	23	43	13	27	6.1	2.8	19	16
4	9.0e	124	19	10	26	21	11	22	7.2	5.4	19	15
5	10 e	180	15	8.9	32	147	10	23	7.7	7.2	17	12
6	8.0e	176	15	7.6	40	188	9.0	21	7.2	8.9	16	12
7	7.0e	122	15	6.6	24	53	8.3	10	9.4	6.4	19	13
8	11 e	94	14	7.7	19	32	8.9	12	8.1	4.6	14	14
9	11 e	60	14	10	17	28	791	12	5.5	6.0	12	13
10	12 e	46	13	13	14	52	395	11	9.2	7.6	12	13
11	14	33	13	18	13	25	105	11	20	5.8	12	12
12	15	24	17	54	11	20	73	11	13	3.9	12	25
13	16	20	31	185	10	20	62	10	12	6.9	13	37
14	17	19	39	81	13	301	55	8.9	4.7	4.8	13	24
15	16	20	26	31	15	184	49	10	3.0	11	13	21
16	15	22	25	23	19	68	45	5.8	3.5	5.4	13	17
17	14 e	19	32	21	185	47	41	6.0	4.1	4.9	13	15
18	15 e	21	30	19	33	36	37	5.6	4.3	5.0	13	16
19	17	18	28	20	21	29	35	6.1	4.8	7.5	11	13
20	15	18	27	19	17	24	33	9.8	5.4	8.2	8.1	15
21	15	17	24	18	13	43	30	6.7	5.6	8.2	6.3	15
22	14	16	23	17	11	49	30	6.7	6.2	8.3	9.6	16
23	15 e	16	28	16	10	33	31	8.3	11	6.2	11	25
24	12	15	26	15	11	24	30	8.6	5.1	8.9	11	30
25	11 e	14	23	13	22	20	29	6.7	4.7	10	10	23
26	10 e	15	19	17	54	16	28	11	4.3	7.2	12	17
27	11 e	15	41	18	18	11	27	7.7	4.1	5.9	12	15
28	12 e	14	75	16	12	9.8	27	5.2	3.9	8.7	13	14
29	10 e	-----	31	17	8.9	8.1	30	2.6	3.9	12	16	13
30	10 e	-----	23	17	11	8.1	29	4.4	2.9	14	21	13
31	11 e	-----	17	-----	9.3	-----	26	7.6	-----	16	-----	13
TOTAL	380.0	1,251	774	735.8	742.2	1,771.0	2,120.2	347.7	199.9	223.6	412.0	531
MEAN	12.3	44.7	25.0	24.5	23.9	59.0	68.4	11.2	6.66	7.21	13.7	17.1
MAX	17	180	75	185	185	301	791	27	20	16	22	37
MIN	7.0	12	13	6.6	8.9	8.1	8.3	2.6	2.9	2.8	6.3	12
AC-FT	754	2,480	1,540	1,460	1,470	3,510	4,210	690	397	444	817	1,050

CALENDAR YEAR 1991.--TOTAL 9,488.4 MEAN 26.0 MAX 791 MIN 2.6 AC-FT 18,820

## REPUBLICAN RIVER BASIN

HAIGLER CANAL from Republican River - 1991

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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	23	18	26	23	18		
2					0	23	17	27	25	17		
3					0	22	17	27	24	17		
4					0	22	17	28	22	17		
5					0	1.2	17	30	22	17		
6					0	1.8	15	25	22	17		
7					0	.88	19	28	22	17		
8					0	0	17	28	22	15		
9					0	0	20	28	23	12		
10					0	0	39	28	23	12		
11					0	0	35	29	25	13		
12					0	0	11	33	25	14		
13					0	0	15	30	26	16		
14					0	9.0	14	21	27	16		
15					0	32	18	20	27	9.4		
16					0	36	19	20	27	0		
17					0	29	19	20	27	0		
18					0	27	18	19	27	0		
19					0	34	19	19	24	0		
20					0	29	19	19	17	0		
21					17	30	19	19	15	0		
22					27	30	20	24	15	0		
23					28	28	28	28	18	0		
24					28	27	25	27	25	0		
25					22	26	24	26	21	0		
26					22	23	23	24	18	0		
27					22	19	23	24	18	0		
28					23	18	21	23	16	0		
29		-----			25	18	20	23	16	0		
30		-----			25	18	22	22	16	0		
31		-----		-----	24	-----	27	21	-----	0	-----	
TOTAL					263	526.88	635	766	658	227.4		
MEAN					8.48	17.6	20.5	24.7	21.9	7.34		
MAX					28	36	39	33	27	18		
MIN					0	0	11	19	15	0		
AC-FT					522	1,050	1,260	1,520	1,310	451		

CALENDAR YEAR 1991.--MAX 39 MIN 0 AC-FT 6,100

# REPUBLICAN RIVER BASIN

HAIGLER CANAL from Republican River - 1991

LOCATION.--NE&NW& 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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	20	9.7	17	21	14		
2					0	20	9.5	19	25	11		
3					0	20	12	22	22	6.6		
4					0	20	13	27	14	8.1		
5					0	5.5	13	15	14	12		
6					0	6.8	10	12	15	14		
7					0	2.0	13	24	15	13		
8					0	1.0	7.9	18	14	9.4		
9					0	0	10	18	14	5.9		
10					0	0	11	21	17	5.6		
11					0	0	12	20	19	6.9		
12					0	0	7.0	20	16	8.2		
13					0	0	12	25	15	13		
14					0	1.6	9.0	12	14	14		
15					0	16	8.0	11	18	12		
16					0	19	12	11	20	1.1		
17					0	17	10	9.8	19	0		
18					0	16	10	10	17	0		
19					0	18	9.0	12	12	0		
20					0	15	10	14	7.4	0		
21					14	15	11	11	4.9	0		
22					22	16	11	9.6	6.2	0		
23					21	16	22	16	8.1	0		
24					25	15	8.4	17	16	0		
25					17	18	18	20	15	0		
26					16	19	28	23	10	0		
27					17	10	21	23	14	0		
28					20	8.0	20	23	11	0		
29		-----			21	6.3	19	19	11	0		
30		-----			23	6.3	18	19	12	0		
31		-----		-----	22	-----	20	19	-----	0	-----	
TOTAL					218	327.5	404.5	537.4	436.6	154.8		
MEAN					7.03	10.9	13.0	17.3	14.6	4.99		
MAX					25	20	28	27	25	14		
MIN					0	0	7.0	9.6	4.9	0		
AC-FT					432	650	802	1,070	866	307		

CALENDAR YEAR 1991.--MAX 28 MIN 0 AC-FT 4,120

## REPUBLICAN RIVER BASIN

HAIGLER CANAL SPILLBACK to Arikaree River - 1991

LOCATION.--NW&amp;NE¼ Sec. 36-1-42 W. near Haigler

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

PERIOD OF RECORD.--1985, 1987 - present

REMARKS.--Values furnished by the State of Colorado

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	12	0	1.1	0	2.7		
2					0	14	0	.02	0	3.1		
3					0	14	0	2.1	0	2.6		
4					0	14	0	4.4	0	2.6		
5					0	11	0	3.8	0	4.2		
6					0	3.0	0	0	0	7.5		
7					0	6.6	0	1.7	0	8.6		
8					0	1.5	0	3.1	0	7.0		
9					0	.05	0	2.1	0	3.4		
10					0	0	0	8.7	0	1.7		
11					0	0	0	9.6	1.3	1.2		
12					0	0	0	4.8	4.5	1.2		
13					0	0	0	9.9	4.2	2.9		
14					0	0	0	13	5.3	4.9		
15					0	5.5	0	10	6.9	4.2		
16					0	14	0	11	7.1	.84		
17					0	14	0	11	6.0	0		
18					0	12	0	9.7	5.2	0		
19					0	15	0	6.4	6.2	.31		
20					0	12	0	5.9	5.5	0		
21					7.6	11	0	5.2	4.9	0		
22					13	11	0	2.9	4.4	0		
23					12	11	.83	2.1	3.1	0		
24					11	10	0	1.8	4.8	0		
25					8.3	9.5	.46	1.9	2.3	0		
26					7.0	13	1.6	1.7	0	0		
27					6.4	8.4	8.2	0	0	0		
28					10	2.1	10	0	0	0		
29		-----			9.7	.23	5.6	0	0	0		
30		-----			11	0	0	0	1.1	0		
31		-----	-----		9.9	-----	3.1	0	-----	0	-----	
TOTAL					105.9	224.88	29.79	133.92	72.8	58.95		
MEAN					3.42	7.50	.96	4.32	2.43	1.90		
MAX					13	15	10	13	7.1	8.6		
MIN					0	0	0	0	0	0		
AC-FT					210	446	59	266	144	117		

CALENDAR YEAR 1991.--MAX 15 MIN 0 AC-FT 1,240



# REPUBLICAN RIVER BASIN

MEEKER-DRIFTWOOD CANAL from Republican River - 1991

LOCATION.--S<sup>W</sup>/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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	284	228				
2						0	301	245				
3						0	309	245				
4						0	312	244				
5						0	288	213				
6						0	277	196				
7						0	277	187				
8						0	270	179				
9						0	263	160				
10						0	239	153				
11						0	204	153				
12						0	165	193				
13						0	154	208				
14						0	154	205				
15						0	174	198				
16						0	201	186				
17						57	226	183				
18						68	234	183				
19						75	223	240				
20						75	219	294				
21						75	217	305				
22						75	208	305				
23						75	202	154				
24						75	155	51				
25						95	113	25				
26						112	105	0				
27						156	105	0				
28						227	105	0				
29		-----				251	122	0				
30		-----				251	159	0				
31		-----		-----		-----	193	0	-----		-----	
TOTAL						1,667	6,458	4,933				
MEAN						55.6	208	159				
MAX						251	312	305				
MIN						0	105	0				
AC-FT						3,310	12,810	9,780				

CALENDAR YEAR 1991.--MAX 312 MIN 0 AC-FT 25,900

REPUBLICAN RIVER BASIN

CHAMPION CANAL from Frenchman River - 1991

LOCATION.--NW¼SW¼ Sec. 23-6-40 W. near Champion

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1923, 1925, 1927 - 1928, 1933, 1938 - 1941, 1963 - present

DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day            Jan            Feb            Mar            Apr            May            Jun            Jul            Aug            Sep            Oct            Nov            Dec

-----  
NO WATER DIVERTED IN 1991

# REPUBLICAN RIVER BASIN

CULBERTSON CANAL from Frenchman River - 1991

LOCATION.--SW&NW¼ 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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1			0	22	50	57	97	166				
2			0	23	45	57	153	187				
3			0	25	37	59	183	192				
4			0	43	21	58	196	198				
5			0	54	21	57	207	201				
6			0	54	21	51	202	163				
7			0	52	21	49	203	133				
8			0	51	21	50	201	102				
9			0	49	44	50	185	62				
10			0	51	49	51	174	50				
11			0	54	44	52	165	45				
12			0	49	44	52	156	43				
13			0	48	48	50	141	43				
14			0	48	45	49	131	40				
15			0	49	45	47	132	37				
16			0	49	49	46	139	9.4				
17			0	48	49	41	145	0				
18			0	48	49	43	144	0				
19			0	49	49	46	146	0				
20			0	48	52	42	155	0				
21			0	50	52	47	156	0				
22			0	56	51	51	178	0				
23			0	59	49	47	189	0				
24			0	59	50	45	185	0				
25			17	80	51	42	167	0				
26			43	66	53	37	135	0				
27			27	60	50	35	117	0				
28			38	58	53	56	108	0				
29		-----	41	60	56	66	111	0				
30		-----	34	57	56	72	122	0				
31		-----	22	-----	56	-----	144	0	-----		-----	
TOTAL			222	1,519	1,381	1,505	4,867	1,671.4				
MEAN			7.16	50.6	44.5	50.2	157	53.9				
MAX			43	80	56	72	207	201				
MIN			0	22	21	35	97	0				
AC-FT			440	3,010	2,740	2,990	9,650	3,320				

CALENDAR YEAR 1991.--MAX 207 MIN 0 AC-FT 22,150

## REPUBLICAN RIVER BASIN

RIVERSIDE CANAL from Frenchman River - 1991

LOCATION.--NEXSEK 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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	0	11	9.4	7.8			
2					0	0	12	14	6.6			
3					0	3.0	11	13	8.1			
4					0	5.7	9.6	9.2	6.6			
5					0	6.0	9.8	11	6.3			
6					0	6.2	11	9.5	5.6			
7					0	6.6	11	8.9	4.6			
8					0	6.8	9.0	7.9	4.9			
9					0	6.9	8.9	7.1	4.9			
10					0	4.8	12	5.5	7.5			
11					0	2.1	13	4.3	10			
12					0	0	11	3.9	11			
13					0	2.1	7.4	5.7	8.3			
14					0	8.6	7.3	4.7	0			
15					0	8.8	7.5	4.4	0			
16					0	9.0	6.4	4.0	0			
17					0	9.2	6.2	11	0			
18					0	9.4	4.8	14	0			
19					0	10	4.8	12	0			
20					0	10	3.4	11	0			
21					0	13	3.4	10	0			
22					0	13	3.6	9.6	0			
23					0	12	11	9.8	0			
24					0	11	15	9.1	0			
25					0	11	12	8.7	0			
26					0	12	11	7.8	0			
27					0	13	11	3.8	0			
28					0	11	9.6	.89	0			
29		-----			0	11	7.9	4.4	0			
30		-----			0	11	8.0	6.2	0			
31		-----		-----	.48	-----	9.0	9.8	-----		-----	
TOTAL					0.48	233.2	278.6	250.59	92.2			
MEAN					.015	7.77	8.99	8.08	3.07			
MAX					.48	13	15	14	11			
MIN					0	0	3.4	.89	0			
AC-FT					1.0	463	553	497	183			

CALENDAR YEAR 1991.--MAX 15 MIN 0 AC-FT 1,700

# REPUBLICAN RIVER BASIN

RED WILLOW CANAL from Red Willow Creek - 1991

LOCATION.--SW&SE% 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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	66	60				
2						0	82	68				
3						0	82	62				
4						0	79	58				
5						0	73	60				
6						0	66	59				
7						0	65	62				
8						0	64	59				
9						0	65	53				
10						0	65	50				
11						0	59	50				
12						0	49	47				
13						0	47	50				
14						0	47	53				
15						0	58	49				
16						0	65	57				
17						0	65	63				
18						0	65	62				
19						15	62	77				
20						30	59	83				
21						28	59	86				
22						27	60	87				
23						27	51	29				
24						26	30	0				
25						22	20	0				
26						28	19	0				
27						49	19	0				
28						67	19	0				
29		-----				74	28	0				
30		-----				73	44	0				
31		-----		-----		-----	56	0	-----		-----	
TOTAL						466	1,688	1,384				
MEAN						15.5	54.5	44.6				
MAX						74	82	87				
MIN						0	19	0				
AC-FT						924	3,350	2,750				
CALENDAR YEAR 1991.--MAX		87	MIN	0	AC-FT	7,020						

## REPUBLICAN RIVER BASIN

BARTLEY CANAL from Republican River - 1991

LOCATION.--NW&amp;SW 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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	113	89				
2						0	124	87				
3						0	121	60				
4						0	119	46				
5						0	104	30				
6						0	96	19				
7						0	94	18				
8						0	82	27				
9						0	76	42				
10						0	67	48				
11						0	63	48				
12						0	59	44				
13						0	57	50				
14						0	57	53				
15						0	67	63				
16						0	71	67				
17						0	74	65				
18						0	83	67				
19						0	90	104				
20						0	90	122				
21						8.2	90	121				
22						12	87	119				
23						12	66	38				
24						32	35	0				
25						33	20	0				
26						46	17	0				
27						57	17	0				
28						80	17	0				
29		-----				94	30	0				
30		-----				95	51	0				
31		-----		-----		-----	69	0	-----		-----	
TOTAL						469.2	2,206	1,427				
MEAN						15.6	71.2	46.0				
MAX						95	124	122				
MIN						0	17	0				
AC-FT						931	4,380	2,830				

CALENDAR YEAR 1991.--MAX 124 MIN 0 AC-FT 8,140

# REPUBLICAN RIVER BASIN

FOX CREEK at Curtis - 1991

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.

## DAILY DISCHARGE IN CUBIC FEET PER SECOND FOR 1991

Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.8	4.7	5.6	5.4	6.1	7.3	3.1	1.7	2.6	3.2	4.9	4.3
2	3.9	4.7	5.4	5.3	7.3	7.8	2.9	1.8	3.3	3.3	4.3	4.3
3	4.2	4.8	5.4	5.4	9.4	6.9	2.5	1.6	2.1	3.0	4.2	4.9
4	4.4	4.9	5.5	5.3	7.0	10	2.4	1.7	2.0	3.2	4.3	4.7
5	4.5	5.0	5.7	5.1	6.6	7.0	2.7	1.9	1.4	3.5	4.9	4.8
6	4.6	5.1	5.6	5.1	6.1	11	1.9	1.9	2.6	3.5	5.2	4.9
7	4.6	5.0	5.4	5.1	5.9	27	2.0	1.7	2.7	3.8	4.6	4.9
8	4.7	5.0	5.5	4.9	5.9	7.6	1.7	2.0	3.1	3.9	4.7	4.9
9	5.0	5.0	5.4	4.7	5.9	6.6	1.7	2.1	3.3	3.9	5.1	4.7
10	4.9	5.0	5.5	5.0	5.8	7.9	3.0	1.4	4.6	3.8	5.3	4.6
11	5.0	5.0	5.6	6.0	5.7	6.5	1.8	1.9	6.8	3.7	5.2	4.6
12	5.0	4.9	5.5	6.0	5.5	6.0	1.3	3.8	5.2	3.6	5.1	5.5
13	5.1	5.1	5.5	5.8	5.3	5.9	1.4	2.8	6.3	3.7	5.0	5.6
14	5.3	5.3	5.4	5.8	5.3	5.6	1.4	2.4	4.5	3.8	5.0	4.8
15	5.2	5.3	5.4	5.9	5.3	5.6	1.8	2.3	4.9	4.2	4.8	4.6
16	5.2	5.4	5.4	5.9	5.5	5.2	1.8	2.3	3.5	4.5	4.7	4.6
17	5.1	5.6	5.7	5.9	5.6	5.1	1.6	2.3	3.4	4.2	5.8	4.7
18	5.1	6.0	5.7	5.8	5.5	5.0	1.6	2.3	3.3	4.0	5.7	4.6
19	5.1	5.6	5.5	6.0	5.4	5.3	1.4	2.6	3.2	4.0	5.0	4.7
20	5.0	5.5	5.6	5.8	5.4	5.2	1.5	2.6	3.3	4.1	4.8	4.8
21	4.8	5.6	5.6	6.6	5.4	4.7	2.1	2.3	3.4	4.2	4.9	4.8
22	4.9	5.6	5.5	7.0	5.4	4.5	2.3	1.9	3.3	4.3	5.0	4.8
23	5.0	5.5	5.6	6.2	273	4.4	3.1	1.7	3.3	4.3	4.9	4.9
24	4.9	5.4	5.5	6.0	19	4.4	4.8	2.2	3.3	4.3	4.9	4.7
25	4.8	5.2	5.4	6.1	13	4.4	3.0	2.4	3.3	4.2	4.9	4.7
26	4.4	5.4	5.6	6.0	11	4.1	2.6	2.4	3.3	4.3	4.9	4.7
27	4.8	5.4	6.2	5.8	16	3.8	2.4	2.8	3.3	4.3	5.0	4.6
28	4.8	5.5	6.2	6.5	11	3.5	1.6	2.9	3.2	4.7	5.0	4.7
29	4.4	-----	5.9	8.1	13	3.5	2.0	3.8	3.2	5.1	5.0	4.9
30	4.6	-----	5.6	7.0	11	3.3	2.4	2.9	3.0	4.4	4.7	5.0
31	4.7	-----	5.5	-----	10	-----	1.9	2.8	-----	3.7	-----	4.9
TOTAL	147.8	146.5	172.9	175.5	508.3	195.1	67.7	71.2	104.7	122.7	147.8	148.2
MEAN	4.77	5.23	5.58	5.85	16.4	6.50	2.18	2.30	3.49	3.96	4.93	4.78
MAX	5.3	6.0	6.2	8.1	273	27	4.8	3.8	6.8	5.1	5.8	5.6
MIN	3.8	4.7	5.4	4.7	5.3	3.3	1.3	1.4	1.4	3.0	4.2	4.3
AC-FT	293	291	343	348	1,010	387	134	141	208	243	293	294
CALENDAR YEAR 1991.--TOTAL	2,008.4		MEAN	5.50	MAX	273	MIN	1.3	AC-FT	3,980		

## REPUBLICAN RIVER BASIN

CAMBRIDGE CANAL from Republican River - 1991

LOCATION.--SEWNE% 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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	260	206				
2						0	272	200				
3						0	282	190				
4						0	278	189				
5						0	258	200				
6						0	254	207				
7						0	256	193				
8						0	262	188				
9						0	264	180				
10						0	232	177				
11						0	208	178				
12						0	171	186				
13						0	163	176				
14						0	162	168				
15						0	185	184				
16						0	207	192				
17						0	226	220				
18						0	238	224				
19						0	222	283				
20						51	212	317				
21						68	211	317				
22						77	221	279				
23						78	223	85				
24						116	176	0				
25						163	141	0				
26						215	133	0				
27						240	131	0				
28						245	130	0				
29		-----				249	158	0				
30		-----				246	185	0				
31		-----		-----		-----	199	0	-----		-----	
TOTAL						1,748	6,520	4,739				
MEAN						58.3	210	153				
MAX						249	282	317				
MIN						0	130	0				
AC-FT						3,470	12,930	9,400				

CALENDAR YEAR 1991.--MAX 317 MIN 0 AC-FT 25,800



# REPUBLICAN RIVER BASIN

NAPONEE CANAL from Republican River - 1991

LOCATION.--NE $\frac{1}{2}$ NE $\frac{1}{4}$  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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	22	30				
2						0	23	27				
3						0	21	20				
4						0	19	17				
5						0	19	6.7				
6						0	18	0				
7						0	16	13				
8						0	20	22				
9						0	22	20				
10						0	22	15				
11						0	20	15				
12						0	16	17				
13						0	15	17				
14						0	17	20				
15						0	21	24				
16						0	23	25				
17						0	21	25				
18						0	21	25				
19						0	22	27				
20						0	17	29				
21						0	14	24				
22						5.1	17	8.8				
23						0	19	0				
24						0	15	0				
25						0	5.9	0				
26						13	0	0				
27						19	0	0				
28						19	0	0				
29		-----				19	16	0				
30		-----				19	26	0				
31		-----		-----		-----	29	0	-----		-----	
TOTAL						94.1	536.9	427.5				
MEAN						3.14	17.3	13.8				
MAX						19	29	30				
MIN						0	0	0				
AC-FT						187	1,060	848				
CALENDAR YEAR 1991.--MAX		30	MIN	0	AC-FT	2,100						

# R E P U B L I C A N R I V E R B A S I N

FRANKLIN CANAL from Republican River - 1991

LOCATION.--NW¼NE¼ 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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	197	204				
2						0	168	213				
3						0	176	209				
4						0	184	204				
5						0	197	160				
6						0	210	124				
7						0	217	130				
8						0	211	141				
9						0	196	144				
10						0	189	161				
11						0	187	182				
12						0	187	100				
13						0	186	26				
14						0	184	97				
15						0	200	124				
16						0	215	135				
17						0	219	175				
18						0	222	206				
19						0	216	230				
20						0	204	234				
21						0	199	234				
22						0	194	126				
23						0	169	47				
24						71	154	2.9				
25						104	154	0				
26						126	152	0				
27						161	151	0				
28						170	155	0				
29		-----				195	169	0				
30		-----				220	185	0				
31		-----		-----		-----	194	0	-----		-----	
TOTAL						1,047	5,841	3,608.9				
MEAN						34.9	188	116				
MAX						220	222	234				
MIN						0	151	0				
AC-FT						2,080	11,590	7,160				

CALENDAR YEAR 1991.--MAX 234 MIN 0 AC-FT 20,820

# REPUBLICAN RIVER BASIN

FRANKLIN PUMP CANAL from Republican River - 1991

LOCATION.--NW&NE¼ 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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	16	41				
2						0	14	40				
3						0	15	39				
4						0	15	33				
5						0	15	12				
6						0	15	0				
7						0	14	0				
8						0	24	0				
9						0	35	11				
10						0	39	15				
11						0	38	16				
12						0	32	6.0				
13						0	25	0				
14						0	21	0				
15						0	21	0				
16						0	20	20				
17						0	24	29				
18						0	30	29				
19						0	30	40				
20						0	28	43				
21						5.9	27	40				
22						29	24	23				
23						29	23	0				
24						28	21	0				
25						25	15	0				
26						26	15	0				
27						27	15	0				
28						26	15	0				
29		-----				27	23	0				
30		-----				29	30	0				
31		-----		-----		-----	36	0	-----		-----	
TOTAL						251.9	715	437.0				
MEAN						8.40	23.1	14.1				
MAX						29	39	43				
MIN						0	14	0				
AC-FT						500	1,420	867				

CALENDAR YEAR 1991.--MAX 43 MIN 0 AC-FT 2,780

## REPUBLICAN RIVER BASIN

COURTLAND CANAL from Republican River - 1991

LOCATION.--SE½SE¼ 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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					0	116	392	219				
2					0	118	386	248				
3					0	114	272	296				
4					0	99	267	336				
5					0	69	277	374				
6					86	55	269	323				
7					184	50	263	268				
8					150	55	263	277				
9					114	56	255	279				
10					108	76	249	254				
11					104	80	222	240				
12					101	86	164	268				
13					92	87	131	315				
14					89	89	135	231				
15					88	100	136	221				
16					97	94	170	224				
17					105	90	198	166				
18					116	84	222	121				
19					108	91	229	121				
20					99	94	267	115				
21					97	93	279	133				
22					93	114	282	173				
23					106	136	286	189				
24					121	168	281	166				
25					120	209	276	110				
26					136	246	240	40				
27					131	259	234	0				
28					133	272	234	0				
29		-----			214	293	236	0				
30		-----			265	305	233	0				
31		-----		-----	195	-----	230	0	-----		-----	
TOTAL					3,252	3,798	7,578	5,707				
MEAN					105	127	244	184				
MAX					265	305	392	374				
MIN					0	50	131	0				
AC-FT					6,450	7,530	15,030	11,320				

CALENDAR YEAR 1991.--MAX 392 MIN 0 AC-FT 40,330

# REPUBLICAN RIVER BASIN

SUPERIOR CANAL from Republican River - 1991

LOCATION.--NW¼NW¼ 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 1991

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						0	137	82				
2						0	136	84				
3						0	134	85				
4						0	140	86				
5						0	133	76				
6						0	123	14				
7						0	127	0				
8						0	127	0				
9						0	124	76				
10						0	112	103				
11						0	105	103				
12						0	96	105				
13						0	96	106				
14						0	95	102				
15						0	95	103				
16						0	94	103				
17						7.0	94	104				
18						18	90	103				
19						40	92	103				
20						95	95	79				
21						91	99	44				
22						92	112	12				
23						91	112	0				
24						91	102	0				
25						90	94	0				
26						91	94	0				
27						96	94	0				
28						120	94	0				
29		-----				137	91	0				
30		-----				133	85	0				
31		-----		-----		-----	83	0	-----		-----	
TOTAL						1,192.0	3,305	1,673				
MEAN						39.7	107	54.0				
MAX						137	140	106				
MIN						0	83	0				
AC-FT						2,360	6,560	3,320				

CALENDAR YEAR 1991.--MAX 140 MIN 0 AC-FT 12,240

	<u>1990</u> <u>Page</u>	<u>1991</u> <u>Page</u>
Ainsworth Canal.....	25	204
Akers Draw near Morrill.....	45	222
Alice Reservoir.....	32	208
Alliance Canals.....	67, 69	244, 246
Antelope Lake (Holmes Park No. 17).....	159	--
Bartley Canal.....	170	342
Bayard Sugar Factory Drain near Bayard.....	66	243
Beerline Canal.....	78	255
Belmont Canals.....	70, 79	247, 256
Bennett-Kay Canal.....	12	189
Beaver Creek at Loretto.....		326
Birdwood Canal.....	96	276
Birdwood Creek near Hershey.....	96	277
Blue Creek Canal.....	83	260
Blue Creek near Lewellen.....		264
Blue Stem Reservoir (No. 4).....	152	--
Box Butte Reservoir.....	19	196
Branched Oak Lake (No. 18).....	160	--
Browns Creek Canal.....	74	250
Buffalo Creek (B-1) Reservoir Supply Canal.....	113	296
Burwell-Sumter Canal.....		324
Burwell-Sumter Canal and Spillway.....	144-145	--
Butterfly Creek nr Stanton.....	150	332
Calamus Reservoir.....	141	320
Cambridge Canal.....	171	344
Castle Rock-Steamboat Canal.....	57	236
Central Canal.....	55	232
Champion Canal.....	166	338
Chimney Rock Canal.....	64	242
Clearwater Creek near Clearwater.....		329
Cody-Dillon Canal.....	98	279
Conestoga Lake (No. 12).....	156	--
Cook Canal No. 1.....	8	--
Court House Rock Canal.....	75	251
Courtland Canal.....	175	348
Cozad Canal.....	115	298
Culbertson Canal.....	167	339
Cunningham Lake (No. 11).....	26	--
Cleveland Drain near Bayard.....	65	--
Davis Creek Reservoir Inlet.....		323
Dawson County Canal.....	117	300
Dry Spotted Tail Creek at Mitchell.....	50	227
Earnest Canals.....	5-6	181-182
Elkhorn River near Atkinson.....		327
Elkhorn River South Fork near Ewing.....		328
Elwood Reservoir.....	106	288
Empire Canal.....	71	248
Enterprise Canals.....	46-49	223-226
Excelsior Canal.....	16	193

	<u>1990</u> <u>Page</u>	<u>1991</u> <u>Page</u>
Farwell Canals.....	132,134.....	313,315
	135.....	316
Fort Laramie Canals.....	29-30.....	205-206
Fox Creek at Curtis.....		343
Franklin Canal.....	173.....	346
Franklin Pump Canal.....	174.....	347
Gering Canal.....	35.....	211
Gering Drain near Gering.....		235
Gothenburg Canal.....	112.....	295
Graf Canal.....	86.....	263
Haigler Canals and Spillback.....	162-164.....	334-336
Harris-Neece Canal.....	9.....	186
Hitshew, George, Canal.....	14.....	191
Hooper Canal.....	84.....	261
Hughes Canal.....	17.....	194
Indian Creek.....	72.....	--
Interstate Canal.....	31.....	207
Jeffrey Power Return.....	105.....	287
Jeffrey Reservoir.....	104.....	286
Johnson Canal.....	3.....	179
Johnson Reservoir.....	107.....	289
Johnson Power Return.....	109.....	291
Kearney Canal and Power Return.....	119-120.....	303-304
Keith-Lincoln County Canal.....	93.....	272
Kingsley Reservoir.....	87.....	266
LaBelle Canal.....	10.....	187
Lakotah Canal.....	4.....	180
Last Chance Canal.....	76.....	252
Lichte Canal.....	21.....	199
Lincoln County Drain No. 1.....	99.....	280
Lisco Canal from North Platte River.....	80.....	257
Lodgepole Creek at Bushnell.....		281
Lodgepole Creek below Oliver Reservoir.....	101.....	283
Maloney Reservoir.....	91.....	270
McGinley-Stover Canal.....	7.....	183
McLaughlin Canal.....	15.....	192
Meeker-Driftwood Canal.....	165.....	337
Melbeta Drain near Melbeta.....	59.....	--
Meredith-Ammer Canal.....	77.....	253
Merritt Reservoir.....	24.....	203
Mettlen Canal.....	11.....	188
Middle Loup Canals (No. 1,2,3 and 4) and Spillways.....	122-131.....	307-312
Midland-Overland Canal.....	81.....	258
Minatare Canal.....	58.....	234
Minatare Reservoir.....	33.....	209
Mirage Flats Canal.....	22.....	200
Mirdan Canal.....	142.....	321
Mitchell and Gering Canal.....	34.....	210
Montague Canal.....	20.....	198

	<u>1990</u>	<u>1991</u>
	<u>Page</u>	<u>Page</u>
Moore-Kay Canal.....	13.....	190
Naponee Canal.....	172.....	345
Nine Mile Canals.....	60-61.....	238-239
Nine Mile Creek near McGrew.....	62.....	240
Niobrara River near Gordon.....		202
Niobrara River at Agate.....		185
Niobrara River below Box Butte Reservoir.....		197
North Platte Canal.....	94.....	273
North Platte River at Bridgeport.....		249
North Platte River near Lewellen.....		265
North Platte River near Minatare.....		237
North Platte River near Sutherland.....		275
North Platte River passing Tri-state Diversion Dam.....	43.....	219
Northport Canal.....	42.....	218
Oak Creek at Lincoln.....	161.....	333
Olive Branch Reservoir (No. 2).....	151.....	--
Oliver Reservoir.....	100.....	282
Orchard-Alfalfa Canal.....	116.....	199
Ord-North Loup Canal.....		325
Ord-North Loup Canal and Spillway.....	146-147.....	--
Paisley Canal.....	82.....	259
Pawnee Lake (No. 14).....	158.....	--
Paxton-Hershey Canal.....	95.....	274
Phelps County Canal.....	108.....	290
Pioneer Canal.....	18.....	195
Platte passing Tri-County Diversion Dam.....	110.....	--
Platte River at Brady.....		293
Platte River below Tri-County Diversion Dam.....		292
Platte River near Cozad.....		301
Platte River near Odessa.....		305
Plum Creek near Smithfield.....	118.....	302
Pumpkin Creek near Bridgeport.....		254
Potmesil Canal.....	23.....	201
Ramshorn Canal.....	44.....	220
Red Willow Canal.....	169.....	341
Red Willow Creek near Bayard.....	68.....	245
Riverside Canal.....	168.....	340
Sargent Canal.....	121.....	306
Scotia Canal.....	143.....	322
Sheep Creek near Morrill.....		221
Sherman Reservoir.....	133.....	314
Short Line Canal.....	63.....	241
Six Mile Canal.....	114.....	297
Soldier Creek below Carter P. Johnson Reservoir.....	1.....	--
Stage Coach Lake (No. 9).....	154.....	--
Standing Bear Lake (No. 16).....	27.....	--
Suburban Canal.....	97.....	278
Superior Canal.....	176.....	349
Sutherland Canal.....	88.....	267



	<u>1990</u> <u>Page</u>	<u>1991</u> <u>Page</u>
Sutherland (Korty) Canal.....	89.....	268
Sutherland Reservoir.....	90.....	269
Sutherland Power Return.....	92.....	271
Taylor-Ord Canal and Spillways.....	136-140.....	317-319
Thirty-Mile Canal.....	111.....	294
Tri-County Canal.....	103.....	285
Tri-State Canals.....	36-41.....	212-217
Tub Springs near Scottsbluff.....	51.....	228
Twin Lakes (No. 13).....	157.....	--
Union Canal.....	85.....	262
Upper Dugout Creek near Bridgeport.....	73.....	--
Wagon Train Lake (No. 8).....	153.....	--
Wehrspann Lake (No. 20).....	28.....	--
Western Canal.....	102.....	284
White River at Crawford.....	.....	177
Whitney Reservoir.....	2.....	178
Willow Creek near Pierce.....	149.....	331
Willow Creek Reservoir.....	148.....	330
Winters Creek Canals.....	52-54.....	229, 230
Winters Creek Factory Lateral.....	.....	231
Winters Creek near Scottsbluff.....	56.....	233
Yankee Hill Lake (No. 10).....	155.....	--