

**2011**

**HYDROGRAPHIC REPORT**



**STATE OF NEBRASKA**

**DEPARTMENT OF NATURAL RESOURCES**

**STATE OF NEBRASKA**

**DEPARTMENT OF  
NATURAL RESOURCES**

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

**2011**

**Prepared Under the Direction of  
Brian P. Dunnigan, P.E., Director**

# 2011 HYDROGRAPHIC REPORT

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## TABLE OF CONTENTS

	PAGE
INTRODUCTION AND EXPLANATION OF DATA.....	ix
2011 DAILY DISCHARGE OF RIVERS, STREAMS, AND CANALS AND STORAGE IN RESERVOIRS .....	1
WHITE RIVER BASIN .....	2
WHITE RIVER at Crawford, 06444000 .....	3
WHITNEY RESERVOIR from White River, 00410000 .....	4
NIOBRARA RIVER BASIN .....	5
NIOBRARA RIVER at Wyoming-Nebraska State Line, 06454000 .....	6
JOHNSON CANAL from Niobrara River, 00072000 .....	7
LAKOTAH CANAL from Niobrara River, 00079000 .....	8
EARNEST CANAL (SOUTH) from Niobrara River, 00038100 .....	9
EARNEST CANAL (NORTH) from Niobrara River, 00038200 .....	10
McGINLEY-STOVER CANAL from Niobrara River, 00084000 .....	11
COOK CANAL NO. 1 from Niobrara River, 00029000 .....	12
HARRIS-NEECE CANAL from Niobrara River, 00062000 .....	13
LABELLE CANAL from Niobrara River, 00078000 .....	14
METTLEN CANAL from Niobrara River, 00089000 .....	15
BENNETT-KAY CANAL from Niobrara River, 00013000 .....	16
MOORE - KAY CANAL from Niobrara River, 00104000 .....	17
GEO. HITSHEW CANAL from Niobrara River, 00063000 .....	18
McLAUGHLIN CANAL from Niobrara River, 00086000 .....	19
EXCELSIOR CANAL from Niobrara River, 00046000 .....	20
HUGHES CANAL from Niobrara River, 00069000 .....	21
PIONEER CANAL from Niobrara River, 00123000 .....	22
NIOBRARA RIVER above Box Butte Reservoir, 06454500 .....	23
BOX BUTTE RESERVOIR from Niobrara River, 06455000 .....	24
NIOBRARA RIVER below Box Butte Reservoir, 06455500 .....	25
MONTAGUE CANAL from Niobrara River, 00102000 .....	26
LICHTE CANAL from Niobrara River, 00081000 .....	27
MIRAGE FLATS CANAL from Niobrara River, 00100000 .....	28
POTMESIL CANAL from Niobrara River, 00124000 .....	29
NIOBRARA RIVER near Nenzel, 06459025 .....	30

# 2011 HYDROGRAPHIC REPORT

---

## TABLE OF CONTENTS

	PAGE
SNAKE RIVER at Doughboy, 06459175.....	31
MERRITT RESERVOIR from Snake River, 06459300 .....	32
AINSWORTH CANAL from Merritt Reservoir, 00001000 .....	33
SNAKE RIVER near Burge, 06459500.....	34
KEYA PAHA RIVER near Naper, 06464900.....	35
<b>NORTH PLATTE RIVER BASIN .....</b>	<b>36</b>
FORT LARAMIE CANAL from North Platte River, 00052000.....	37
FORT LARAMIE CANAL from North Platte River @ Mile Post 85.3, 00052200 .....	38
INTERSTATE CANAL from North Platte River, 00071000 .....	39
LAKE ALICE RESERVOIR from North Platte, 00400300 .....	40
LITTLE LAKE ALICE RESERVOIR from North Platte River, 00405200.....	41
LAKE MINATARE RESERVOIR from North Platte, 00406300 .....	42
WINTERS CREEK RESERVOIR, 00412000 .....	43
MITCHELL & GERING CANAL from North Platte River, 00101100 .....	44
GERING CANAL from North Platte River via Mitchell and Gering Canal, 00056000.....	45
TRI-STATE CANAL from North Platte River, 00145100 .....	46
TRI-STATE CANAL from Sheep Creek, 00144700 .....	47
TRI-STATE CANAL from Akers Draw, 00144500 .....	48
TRI-STATE CANAL from Dry Spotted Tail Creek, 00144600 .....	49
TRI-STATE CANAL from Wet Spotted Tail Creek, 00144900 .....	50
TRI-STATE CANAL from Tub Springs, 00144800.....	51
NORTHPORT CANAL from North Platte River and Drains via Tri-State Canal, 00115100.....	52
HORSE CREEK near Lyman, 06677500 .....	53
SHEEP CREEK near Morrill, 06678000.....	54
ENTERPRISE CANAL from North Platte River, 00040000 .....	55
DRY SPOTTED TAIL CREEK at Mitchell, 06679000.....	56
NORTH PLATTE RIVER at Mitchell, 06679500 .....	57
TUB SPRINGS near Scottsbluff, 06680000 .....	58
WINTERS CREEK CANAL from North Platte River, 00148000.....	59
WINTERS CREEK CANAL from Winters Creek, 00149000.....	60
CENTRAL CANAL from North Platte River, 00022000 .....	61
WINTERS CREEK near Scottsbluff, 06681000.....	62
MINATARE CANAL from North Platte River, 00099000 .....	63

# 2011 HYDROGRAPHIC REPORT

---

## TABLE OF CONTENTS

	PAGE
GERING CREEK near Gering, 06681500.....	64
CASTLE ROCK - STEAMBOAT CANAL from North Platte River, 00021000.....	65
NORTH PLATTE RIVER near Minatare, 06682000 .....	66
NINEMILE CANAL from North Platte River, 00106000.....	67
NINEMILE CANAL from Ninemile Creek, 00106100 .....	68
NINEMILE CREEK near McGrew, 06682500 .....	69
SHORT LINE CANAL from North Platte River, 00133000.....	70
CHIMNEY ROCK CANAL from North Platte River, 00024000 .....	71
ALLIANCE CANAL from Bayard Creek, 00002000.....	72
ALLIANCE CANAL from Red Willow Creek, 00003000.....	73
BAYARD CREEK near Bayard, 06683000.....	74
RED WILLOW CREEK near Bayard, 06684000 .....	75
BELMONT CANAL from North Platte River, 00009000 .....	76
BELMONT CANAL from Cedar Creek, 00010000.....	77
EMPIRE CANAL from North Platte River, 00039000 .....	78
NORTH PLATTE RIVER at Bridgeport, 06684500 .....	79
BROWNS CREEK CANAL from North Platte River, 00019000.....	80
COURTHOUSE ROCK CANAL from Pumpkin Creek, 00030000.....	81
LAST CHANCE CANAL from Pumpkin Creek, 00080000 .....	82
TRINNIER CANAL from Greenwood Creek, 00144200 .....	83
NELSON CANAL from Greenwood Creek, 00105500 .....	84
MEREDITH-AMMER CANAL from Pumpkin Creek, 00088000.....	85
PUMPKIN CREEK near Bridgeport, 06685000 .....	86
BEERLINE CANAL from North Platte River, 00007000 .....	87
LISCO CANAL from North Platte River, 00082000.....	88
NORTH PLATTE RIVER at Lisco, 06686000 .....	89
MIDLAND-OVERLAND CANAL from North Platte River, 00098000.....	90
PAISLEY CANAL from Blue Creek, 00120000.....	91
BLUE CREEK & HOOPER CANAL from Blue Creek, 00017200.....	92
HOOPER CANAL from Blue Creek via Blue Creek Canal, 00067000 .....	93
UNION CANAL from Blue Creek, 00146000 .....	94
BLUE CREEK near Lewellen, 06687000 .....	95
NORTH PLATTE RIVER at Lewellen, 06687500 .....	96

---

# 2011 HYDROGRAPHIC REPORT

---

## TABLE OF CONTENTS

	PAGE
KINGSLEY RESERVOIR from North Platte River, 06690000 .....	97
SUTHERLAND CANAL from North Platte River and Kingsley Reservoir, 00138000.....	98
<b>NORTH &amp; SOUTH PLATTE RIVER BASIN.....</b>	<b>99</b>
SUTHERLAND RESERVOIR from North & South Platte Rivers, 00409100 .....	100
MALONEY RESERVOIR from North & South Platte Rivers, 00405500.....	101
SUTHERLAND POWER RETURN to the South Platte River, 00140000 .....	102
<b>NORTH PLATTE RIVER BASIN .....</b>	<b>103</b>
NORTH PLATTE RIVER near Keystone, 06690500 .....	104
KEITH - LINCOLN COUNTY CANAL from North Platte River, 00076000 .....	105
NORTH PLATTE CANAL from North Platte River, 00114000 .....	106
PAXTON-HERSHEY CANAL from North Platte River, 00121000 .....	107
NORTH PLATTE RIVER near Sutherland, 06691000.....	108
BIRDWOOD CANAL from Birdwood Creek, 00016000 .....	109
BIRDWOOD CREEK near Hershey, 06692000.....	110
SUBURBAN CANAL from North Platte River, 00136000 .....	111
CODY-DILLON CANAL from North Platte River, 00027000 .....	112
LINCOLN COUNTY DRAIN NO. 1 at North Platte, 06692500 .....	113
NORTH PLATTE RIVER at North Platte, 06693000 .....	114
<b>SOUTH PLATTE RIVER BASIN.....</b>	<b>115</b>
LODGEPOLE CREEK above Oliver Reservoir, 00219500 .....	116
OLIVER RESERVOIR on Lodgepole Creek, 00407000.....	117
LODGEPOLE CREEK at Ralton, 06763500 .....	118
WESTERN CANAL from South Platte River, 00147000 .....	119
SOUTH PLATTE SUPPLY CANAL (Korty) from South Platte River, 06764900.....	120
SOUTH PLATTE RIVER at North Platte, 06765500.....	121
<b>PLATTE RIVER BASIN .....</b>	<b>122</b>
TRI-COUNTY CANAL from Platte River, 00142000 .....	123
JEFFREY RESERVOIR from Platte River, 00403700 .....	124
JEFFREY POWER RETURN to Platte River, 00143000 .....	125
ELWOOD RESERVOIR from Platte River, 00403300 .....	126

# 2011 HYDROGRAPHIC REPORT

---

## TABLE OF CONTENTS

	PAGE
JOHNSON RESERVOIR from Platte River, 00403800 .....	127
PHELPS COUNTY CANAL from Platte River via Tri-County Canal, 00122000 .....	128
JOHNSON POWER RETURN to Platte River, 00144000 .....	129
PLATTE RIVER near Maxwell, 00228500 .....	130
PLATTE RIVER at Brady, 06766000.....	131
THIRTY MILE CANAL from Platte River, 00141000.....	132
GOTHENBURG CANAL from Platte River, 00057000.....	133
BUFFALO CREEK (B-1) RESERVOIR SUPPLY CANAL from Platte River, 00019500 .....	134
SIX MILE CANAL from Platte River, 00134000 .....	135
COZAD CANAL from Platte River, 00033000 .....	136
ORCHARD ALFALFA CANAL from Platte River, 00117000 .....	137
DAWSON COUNTY CANAL from Platte River, 00037000 .....	138
PLATTE RIVER near Cozad, 06766500 .....	139
PLUM CREEK near Smithfield, 06767500.....	140
KEARNEY CANAL from Platte River, 00073000 .....	141
KEARNEY POWER RETURN to Platte River, 00075000 .....	142
PLATTE RIVER near Odessa, 06770000 .....	143
WOOD RIVER near Alda, 06772000 .....	144
<b>PLATTE RIVER BASIN (LOUP RIVER) .....</b>	<b>145</b>
SARGENT CANAL from Middle Loup River, 00130000 .....	146
MIDDLE LOUP CANAL NO. 1 from Middle Loup River, 00090000.....	147
MIDDLE LOUP CANAL NO. 1 PUMP from Middle Loup River, 00090200.....	148
MIDDLE LOUP CANAL NO. 2 from Middle Loup River, 00091000.....	149
MIDDLE LOUP CANAL NO. 3 from Middle Loup River, 00092000.....	150
MIDDLE LOUP CANAL NO. 4 from Middle Loup River, 00093000.....	151
FARWELL (SHERMAN FEEDER) CANAL from Middle Loup River, 00047000 .....	152
MIDDLE LOUP CANAL NO. 4 from Sherman Feeder Canal, 00093200.....	153
SHERMAN RESERVOIR from the Middle Loup River, 06784200 .....	154
FARWELL "MAIN" CANAL from Sherman Reservoir, 00048000.....	155
FARWELL "SOUTH" CANAL from Sherman Reservoir, 00049000.....	156
MUD CREEK near Sweetwater, 06783500 .....	157
TURKEY CREEK near Dannebrog, 06784800.....	158
TAYLOR-ORD CANAL from North Loup River, 00107000 .....	159

# 2011 HYDROGRAPHIC REPORT

---

## TABLE OF CONTENTS

	PAGE
TAYLOR-ORD CANAL inlet to Mirdan Canal, 00107100 .....	160
TAYLOR-ORD CANAL outlet from Mirdan Canal, 00107200 .....	161
KENT CANAL from North Loup River, 00076500.....	162
CALAMUS RIVER near Harrop, 06787000 .....	163
CALAMUS RESERVOIR from Calamus River, 06787300.....	164
MIRDAN CANAL from Calamus Reservoir, 00100500 .....	165
CALAMUS FISH HATCHERY INLET from Calamus Reservoir, 00019800 .....	166
INLET TO DAVIS CREEK RESERVOIR from Mirdan Canal, 00088500.....	167
DAVIS CREEK RESERVOIR from Calamus Reservoir via Mirdan Canal, 06789400.....	168
FULLERTON CANAL from Davis Creek Reservoir, 00054700 .....	169
CALAMUS RIVER near Burwell, 06787500 .....	170
BURWELL-SUMTER CANAL from North Loup River, 00108000.....	171
NORTH LOUP RIVER at Ord, 06788500 .....	172
ORD-NORTH LOUP CANAL from North Loup River, 00109000 .....	173
MIRA CREEK near North Loup, 06788988.....	174
CEDAR RIVER near Spalding, 06791500 .....	175
CEDAR RIVER near Fullerton, 06792000 .....	176
LOUP RIVER POWER CANAL RETURN at Columbus, 00082100 .....	177
BEAVER CREEK at Loretto, 06793500.....	178
LOUP RIVER at Columbus, 06794500.....	179
<b>PLATTE RIVER BASIN (ELKHORN RIVER).....</b>	<b>180</b>
ELKHORN RIVER near Atkinson, 06796973 .....	181
SOUTH FORK ELKHORN RIVER near Ewing, 06798000.....	182
ELKHORN RIVER at Neligh, 06798500 .....	183
ELKHORN RIVER near Tilden, 06798780 .....	184
WILLOW CREEK near Foster, 06799080.....	185
WILLOW CREEK RESERVOIR from Willow Creek, 00410300 .....	186
WILLOW CREEK near Pierce, 00232500 .....	187
UNION CREEK at Madison, 06799230.....	188
PEBBLE CREEK at Scribner, 06799385 .....	189
LOGAN CREEK at Pender, 06799450.....	190
ELKHORN RIVER near Winslow, 06799510 .....	191



# 2011 HYDROGRAPHIC REPORT

---

## TABLE OF CONTENTS

	PAGE
<b>REPUBLICAN RIVER BASIN .....</b>	<b>192</b>
HAIGLER CANAL from Republican River, 00061000.....	193
HAIGLER CANAL from Republican River, 00061400.....	194
HAIGLER CANAL SPILLBACK to Arikaree River, 00061500.....	195
SWANSON LAKE near Trenton, 06829000 .....	196
REPUBLICAN RIVER near Trenton, 00126700 .....	197
MEEKER-DRIFTWOOD CANAL from Republican River, 00087000 .....	198
FRENCHMAN CREEK near Imperial, 06831500 .....	199
ENDERS RESERVOIR near Enders, 06832000 .....	200
FRENCHMAN CREEK near Enders, 06832500.....	201
STINKING WATER CREEK near Palisade, 06835000 .....	202
CULBERTSON CANAL from Frenchman Creek, 00035000.....	203
RIVERSIDE CANAL from Frenchman Creek, 00127000.....	204
RED WILLOW CREEK above Hugh Butler Lake, 06837300 .....	205
HUGH BUTLER LAKE near McCook, 06837390.....	206
RED WILLOW CREEK near McCook, 06837500 .....	207
RED WILLOW CANAL from Red Willow Creek, 00126000.....	208
BARTLEY CANAL from Republican River, 00006000.....	209
FOX CREEK at Curtis, 06840000 .....	210
MEDICINE CREEK above Harry Strunk Lake, 06841000 .....	211
HARRY STRUNK LAKE near Cambridge, 06842000.....	212
MEDICINE CREEK below Harry Strunk Lake, 06842500 .....	213
CAMBRIDGE CANAL from Republican River, 00020000.....	214
MUDDY CREEK at Furnas - Gosper County Line, 00224600 .....	215
MUDDY CREEK at Arapahoe, 06844000.....	216
TURKEY CREEK at Furnas - Gosper County Line, 00231700 .....	217
TURKEY CREEK at Edison, 06844210 .....	218
BEAVER CREEK near Beaver City, 06847000 .....	219
HARLAN COUNTY RESERVOIR near Republican City, 06849000 .....	220
NAPONEE CANAL from Republican River, 00105000.....	221
FRANKLIN CANAL from Republican River, 00053000.....	222
TURKEY CREEK at Naponee, 06850000 .....	223
CENTER CREEK at Franklin, 06851000.....	224

# 2011 HYDROGRAPHIC REPORT

---

## TABLE OF CONTENTS

	PAGE
FRANKLIN PUMP CANAL from Republican River, 00054000.....	225
REPUBLICAN RIVER at Riverton, 06851090.....	226
THOMPSON CREEK at Riverton, 06851500.....	227
ELM CREEK at Amboy, 06852000.....	228
COURTLAND CANAL from Republican River, 00031000 .....	229
SUPERIOR CANAL from Republican River, 00137000 .....	230
REPUBLICAN RIVER near Guide Rock, 06853000 .....	231
<b>BIG BLUE RIVER BASIN .....</b>	<b>232</b>
BIG BLUE RIVER at Surprise, 06879900.....	233
LINCOLN CREEK near Seward, 06880000.....	234
BIG BLUE RIVER at Seward, 06880500 .....	235
TURKEY CREEK near Wilber, 06881200.....	236
BIG BLUE RIVER at Beatrice, 06881500.....	237
BIG SANDY CREEK at Alexandria, 06883940 .....	238
<b>INDEX.....</b>	<b>239</b>

# 2011 HYDROGRAPHIC REPORT

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## INTRODUCTION AND EXPLANATION OF DATA

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

The Water Resources Data for Nebraska, an online publication by the USGS, includes stream and river data for gaging stations operated by the USGS and its cooperators, including the Department of Natural Resources. Information can be obtained by contacting the Director, U.S. Geological Survey, Nebraska Water Science Center, 5231 South 19th Street, Lincoln, Nebraska 68512-1271. These data are not published in this report.

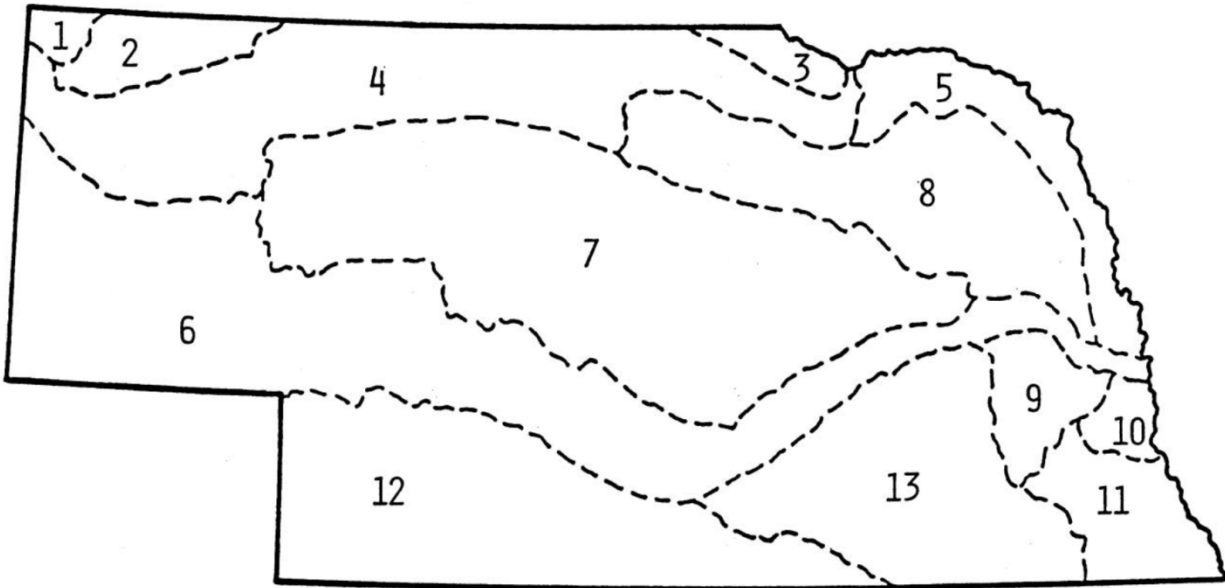
The Hydrographic Report for water year 2011 provides a record of stream flow, reservoir storage, and diversions for irrigation and power in Nebraska for gages operated by the Nebraska Department of Natural Resources according to statutory authority granted under Statutes 61-208, 61-209, 61-211, 46-227, 46-256, and 46-261. This report also includes some records for gages operated by agencies other than the Department of Natural Resources and USGS, such as the U.S. Bureau of Reclamation (USBR). These sites and the operating agency are identified in the station headings. Stations are listed in order from upstream to downstream (downstream order) according to the river basin map on the next page. Multiple gages on a canal system are also in downstream order on the canal. The data presented include mean daily discharges for streams and canals and both daily and monthly reservoir storage values. Instantaneous and daily discharge values are expressed in cubic feet per second (cfs); monthly and annual totals are cubic foot per second-days (cfs-days) and acre-feet. Reservoir storage values are in acre-feet. Zero means there is no flow, a blank indicates no record was made. An "e" next to a daily record indicates an estimated value. Estimated values usually result from either a poor stage-discharge relationship due to a backwater condition or a missing or poor gage height record. Headings describe the period of record, type of gage and locations of gage sites by legal coordinates of Section, Township, and Range, East or West of the 6th Principal Meridian. The "Remarks" section for stations operated year round includes a statement on the accuracy of daily records. USGS criteria are adopted for these accuracy ratings: If 95 percent of daily discharges are within 5 percent of true values the record is rated "excellent," if they are within 10 percent, the rating is "good," within 15 percent is "fair," and more than 15 percent is "poor."

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

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

# 2011 HYDROGRAPHIC REPORT

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

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

## 2011 HYDROGRAPHIC REPORT

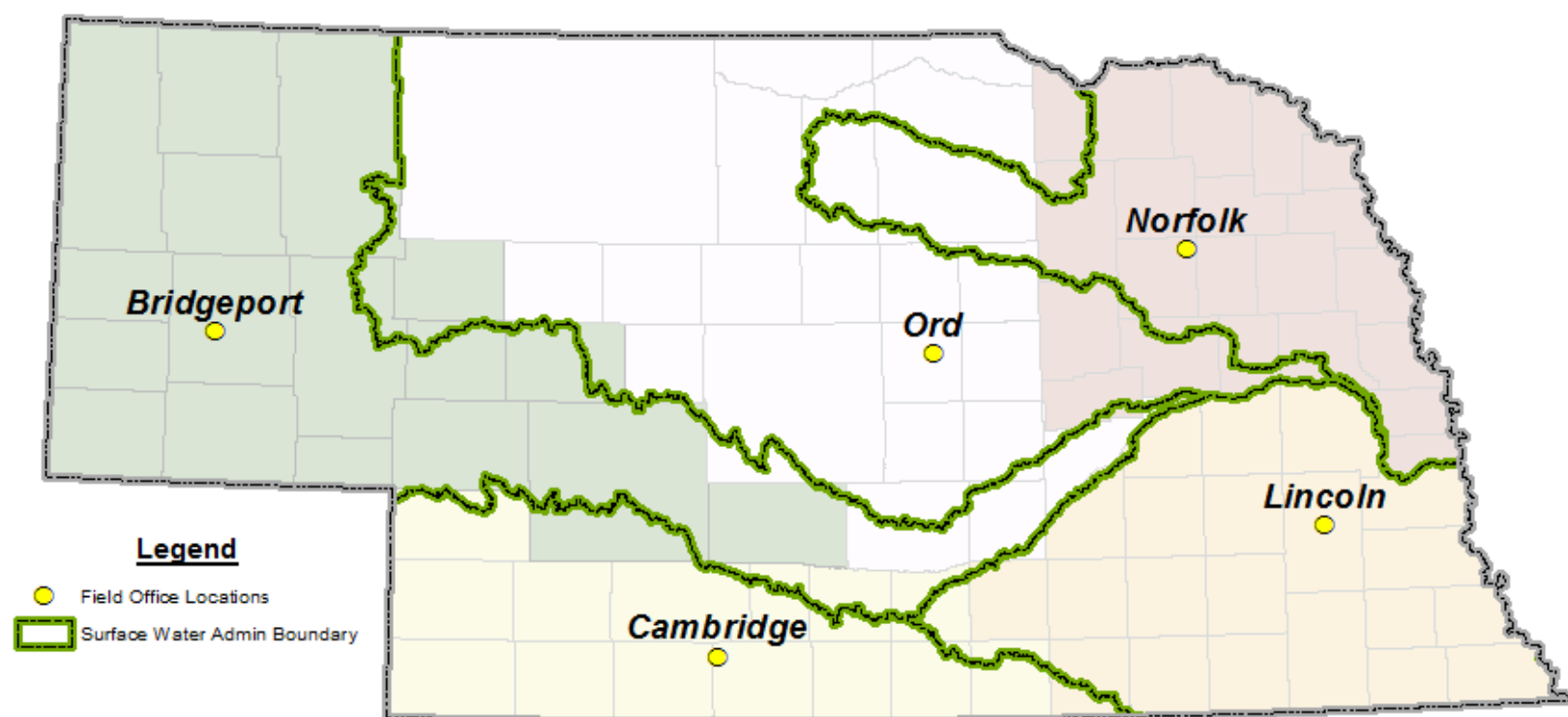
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The Hydrographic Report is available on the internet at the Department's web page address [www.dnr.nebraska.gov](http://www.dnr.nebraska.gov). Copies of the Hydrographic Report can be obtained by contacting the Nebraska Department of Natural Resources, P.O. Box 94676, Lincoln, Nebraska 68509-4676. Questions or comments can be directed to this address or (402) 471-2363.

Gage records from this and previous years' publications are also provided on the Nebraska Department of Natural Resources' computerized Data Bank. This information can be obtained on the internet at the Department of Natural Resources web page address [www.dnr.nebraska.gov](http://www.dnr.nebraska.gov) or by contacting the Data Bank, Nebraska Department of Natural Resources, P.O. Box 94676, Lincoln, Nebraska 68509-4676. For email requests, use [gayle.follmer@nebraska.gov](mailto:gayle.follmer@nebraska.gov).

## 2011 HYDROGRAPHIC REPORT

### Nebraska Department of Natural Resources Field Office Boundaries

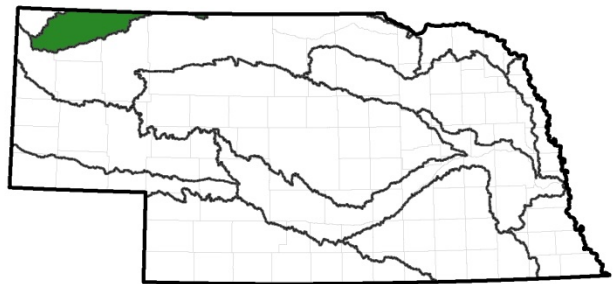


Bridgeport Field Office	Cambridge Field Office	Ord Field Office	Norfolk Field Office	Lincoln Field Office
729 Main Street P.O. Box 787 Bridgeport, NE 69336-0787 Telephone: (308) 262-1930 Fax: (308) 262-1939	622 Patterson Street P.O. Box 426 Cambridge, NE 69022 Telephone: (308) 697-3730 Fax: (308) 697-3200	1608 North 28th Street P.O. Box 251 Ord, NE 68862 Telephone: (308) 728-3325 Fax: (308) 728-9967	601 East Benjamin Ave., Suite 101 P.O. Box 1451 Norfolk, NE 68701 Telephone: (402) 370-3377 Fax: (402) 371-0653	301 Centennial Mall South P.O. Box 94676 Lincoln, NE 68509-4676 Telephone: (402) 471-0589 Fax: (402) 471-6598

**2011**  
**DAILY DISCHARGE OF RIVERS,**  
**STREAMS, AND CANALS**  
**AND STORAGE IN RESERVOIRS**

# WHITE RIVER BASIN

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# WHITE RIVER BASIN

## WHITE RIVER at Crawford, 06444000

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

DRAINAGE AREA.--313 square miles.

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

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

REMARKS.--Published by the USGS up to Oct. 1, 1991. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 13,300 cubic feet per second May 10, 1991, gage height 16.32 feet from flood mark. Discharge calculated by indirect method from road overflow and contracted bridge opening. Minimum daily discharge 0.29 cubic feet per second August 31, and September 2, 2007.

EXTREMES FOR CURRENT YEAR.--Peak discharge 136 cubic feet per second May 24, gage height 4.01 feet; minimum daily discharge 11.7 cubic feet per second August 27.

### DISCHARGE ( CFS ), WATER YEAR 2011

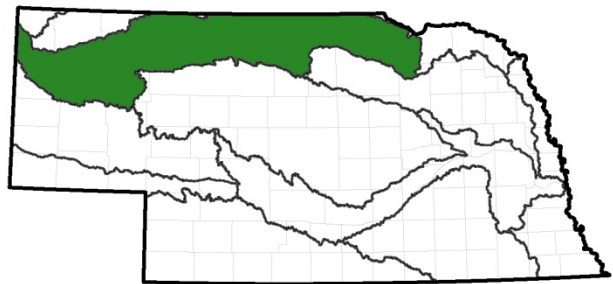
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	19	23	25	26e	28e	30	28	24	35	24	14	14
2	19	23	25	26e	28e	31	27	24	34	24	17	14
3	20	23	25	26e	28e	32	26	24	32	23	17	14
4	20	23	26	26e	28e	35	25	25	31	22	17	14
5	19	23	25	26e	28e	33	26	26	30	21	22	14
6	19	24	25	27	28e	30	26	25	29	22	18	12
7	19	24	25	29	28e	29	26	25	28	30	18	13
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9	20	24	26	28	28e	28	26	24	28	22	18	13
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11	21	23	25	26e	29	47	26	26	28	21	19	15
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14	20	23	26	26e	65	29	27	30	33	22	18	16
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16	20	24	26	27	44	29	27	27	26	18	18	20
17	20	25	25	28	36	29	26	27	32	18	18	20
18	20	24	25	31	31	27	27	33	28	18	16	20
19	21	25	24	32	29	27	31	41	29	18	14	19
20	21	24	27	29	28	27	29	51	30	17	19	18
21	22	24	26	30	31	27	27	40	30	17	19	17
22	22	25	25	27	32	27	28	38	27	17	18	17
23	24	24e	26	27	30	26	26	34	25	16	17	17
24	23	24e	25	27	28	26	26	55	26	17	13	17
25	23	24e	25	26	28	26	26	36	41	17	13	17
26	22	25e	25	26	31	26	26	33	32	18	12	16
27	22	25	26	28	29	26	27	36	28	17	12	16
28	22	26	26	30	31	26	27	32	25	17	13	17
29	23	25	26	32	---	26	26	39	24	18	14	17
30	23	22	27	30	---	26	25	40	22	18	16	17
31	23	---	26e	28e	---	27	---	37	---	16	16	---
TOTAL	648	717	792	857	895	907	800	1013	871	615	516	479
MEAN	20.8	23.9	25.5	27.6	32.0	29.3	26.6	32.7	29.0	19.9	16.6	15.9
MAX	24	26	27	32	65	47	31	55	41	30	22	20
MIN	19	22	24	26	28	26	25	24	22	16	12	12
AC-FT	1285	1422	1571	1700	1775	1799	1587	2009	1728	1220	1023	950
CAL	YEAR	2010	TOTAL	9570	MEAN	26.2	MAX	148.0	MIN	14.0	AC-FT	18980
WTR	YEAR	2011	TOTAL	9110	MEAN	25.0	MAX	65.0	MIN	12.0	AC-FT	18070

e indicates estimated discharge.

**STORAGE ( AC-FT ), WATER YEAR 2011**

# NIOBRARA RIVER BASIN

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# NIOBRARA RIVER BASIN

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

LOCATION.--N1/2N1/2 Sec. 19-31-57 W., Sioux County, Nebraska, Lat. 42° 39' 10", Long. 104° 03' 07", on right bank 1 mile downstream from Van Tassel Creek on county road, 0.1 mile downstream from Wyoming-Nebraska State Line, and 2 miles east of Van Tassel, Wyoming.

DRAINAGE AREA.--Approximately 455 square miles.

GAGE.--Continuous stage recorder. Gage datum is 4,682.70 feet National Geodetic Vertical Datum of 1929. Present gage moved 3/4 mile downstream September 17, 1996. Datum at previous gage location was 4,687.70 feet.

PERIOD OF RECORD.--1955 - present

REMARKS.--Published by the USGS up to Oct. 1, 1994. Records are fair, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 455 cubic feet per second March 11, gage height 8.02 feet; minimum daily discharge 2.1 cubic feet per second October 1.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.1	2.7	2.9	2.9e	3.1e	6.3	5.7	5.0	8.1	4.5	2.7	2.7
2	2.1	2.7	2.9	2.9e	3.7e	6.7	5.4	4.9	7.5	4.3	2.7	2.7
3	2.1	2.7	2.9	2.9e	4.4e	6.8	5.3	4.8	6.9	4.2	2.7	2.6
4	2.1	2.7	2.9	2.9e	4.6e	23	5.1	4.8	6.5	4.0	2.8	2.6
5	2.1	2.7	2.9	2.9e	3.9e	21	5.0	4.7	6.1	4.0	2.8	2.6
6	2.1	2.7	2.9	2.9e	3.4e	8.0	5.0	4.7	5.9	4.0	2.8	2.6
7	2.2	2.7	2.9	2.8e	3.3e	6.2	5.0	4.7	5.6	3.9	2.8	2.6
8	2.2	2.7	2.9	2.8e	3.7e	5.2	4.9	4.7	5.5	3.7	2.7	2.6
9	2.3	2.8	3.0	2.8e	3.1e	5.2	5.0	4.7	5.5	3.6	2.8	2.6
10	2.5	2.8	3.0	2.8e	3.5	6.5	5.4	4.9	5.6	3.5	2.8	2.6
11	2.4	2.8	2.9	3.3e	3.4	142	5.1	5.2	5.4	3.5	2.9	2.6
12	2.4	2.8	2.9	3.2e	3.3	90	5.1	6.8	5.3	3.6	2.8	2.6
13	2.7	2.8	2.9	3.6e	6.6	30	5.0	6.5	5.1	4.0	2.8	2.6
14	2.4	2.8	3.0	3.4e	5.4	20	5.1	6.6	5.0	3.8	2.8	2.7
15	2.4	2.8	3.0	3.4e	51	20	5.1	6.5	4.8	3.5	2.8	2.8
16	2.4	2.9	3.0	3.3e	111	11	5.0	6.5	4.9	3.3	2.8	2.8
17	2.4	2.9	2.9	3.4e	136	9.2	4.9	6.6	5.3	3.3	2.8	2.8
18	2.4	2.9	2.9	3.7e	18	8.1	5.1	6.9	4.9	3.2	2.7	2.8
19	2.4	2.9	2.9	3.5	16	7.7	5.3	8.7	5.0	3.1	2.8	2.8
20	2.5	2.9	2.9	3.4	14	7.3	5.3	9.7	5.4	3.0	2.9	2.8
21	2.5	2.9	2.9	3.5	5.3	7.1	5.3	9.7	5.1	2.9	2.9	2.8
22	2.5	2.9	2.9	3.5	5.3	7.1	5.4	10	4.8	2.9	2.9	2.8
23	2.7	2.9	2.9	3.5	18	7.1	5.1	9.9	4.6	2.9	2.9	2.8
24	2.7	2.9	2.9	3.5	16	6.8	5.0	11	4.7	2.8	2.9	2.8
25	2.6	2.9	2.9	3.4	16	6.6	5.0	11	5.0	2.7	2.8	2.8
26	2.6	2.9	2.9	3.4	15	7.0	4.9	9.6	4.9	2.7	2.8	2.8
27	2.6	2.9	2.9	3.5	11	6.9	5.3	9.4	4.8	2.7	2.8	2.8
28	2.6	2.9	2.9	4.5	7.5	6.6	5.2	8.6	4.5	2.7	2.8	2.8
29	2.6	2.9	2.9	3.9e	---	6.4	5.1	9.6	4.3	2.7	2.8	2.8
30	2.6	2.8	2.8	3.6e	---	6.0	5.0	9.3	4.3	2.7	2.8	2.8
31	2.6	---	2.9e	3.3e	---	5.9	---	8.8	---	2.7	2.8	---
TOTAL	74.8	84.6	90.3	102.4	495.5	513.7	154.1	224.8	161.3	104.4	86.9	81.5
MEAN	2.4	2.8	2.9	3.3	17.7	16.6	5.1	7.3	5.4	3.4	2.8	2.7
MAX	2.7	2.9	3.0	4.5	136	142	5.7	11	8.1	4.5	2.9	2.8
MIN	2.1	2.7	2.8	2.8	3.1	5.2	4.9	4.7	4.3	2.7	2.7	2.6
AC-FT	148	168	179	203	983	1019	306	446	320	207	172	162
CAL	YEAR	2010	TOTAL	1071	MEAN	2.9	MAX	7.4	MIN	1.9	AC-FT	2124
WTR	YEAR	2011	TOTAL	2174	MEAN	6.0	MAX	142.0	MIN	2.1	AC-FT	4313

e indicates estimated discharge.

# NIOBRARA RIVER BASIN

## JOHNSON CANAL from Niobrara River, 00072000

LOCATION.--NE1/4NE1/4 Sec. 1-30-57 W. near Harrison

GAGE.--Continuous stage recorder and 1.5 ft. Parshall flume

PERIOD OF RECORD.--1956 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.5	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
2	1.8	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
3	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
4	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
5	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
7	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
8	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
10	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
11	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
12	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
13	---	---	---	---	---	---	0.00	0.00	2.1	0.00	0.00	---
14	---	---	---	---	---	---	0.00	0.00	2.8	0.00	0.00	---
15	---	---	---	---	---	---	0.00	0.00	2.8	0.00	0.00	---
16	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
17	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
18	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
19	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
20	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
21	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
22	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
23	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
24	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
25	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
26	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
27	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
28	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
29	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
30	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	6.3	0	0	0	0	0	0	0	7.7	0	0	0
MEAN	1.0	---	---	---	---	---	0.000	0.000	0.26	0.000	0.000	0.000
MAX	4.5	---	---	---	---	---	0.00	0.00	2.8	0.00	0.00	0.00
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15	0.00	0.00	0.00
CAL	YEAR	2010	TOTAL	220	MEAN	1.3	MAX	27.0	MIN	0.000	AC-FT	437
WTR	YEAR	2011	TOTAL	14	MEAN	0.086	MAX	4.5	MIN	0.000	AC-FT	28

# NIOBRARA RIVER BASIN

## LAKOTAH CANAL from Niobrara River, 00079000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.0	---	---	---	---	---	---	0.00	5.7	3.0	0.00	0.00
2	2.1	---	---	---	---	---	---	0.00	5.0	0.00	0.00	0.00
3	2.2	---	---	---	---	---	---	0.00	4.5	0.00	0.00	0.00
4	2.2	---	---	---	---	---	---	0.00	4.0	0.00	0.00	0.00
5	2.2	---	---	---	---	---	0.00	1.4	3.5	0.00	0.00	0.00
6	2.2	---	---	---	---	---	0.00	1.4	3.1	0.00	0.00	0.00
7	2.2	---	---	---	---	---	0.00	1.4	0.00	0.00	0.00	0.00
8	2.2	---	---	---	---	---	0.00	1.4	0.00	0.00	0.00	0.00
9	2.4	---	---	---	---	---	0.00	1.8	0.00	0.00	0.00	0.00
10	2.9	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
11	3.1	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
12	3.2	---	---	---	---	---	0.00	1.5	0.00	0.00	0.00	0.00
13	3.3	---	---	---	---	---	0.00	1.6	0.00	2.2	0.00	0.00
14	3.3	---	---	---	---	---	0.00	1.9	0.00	2.5	0.00	0.00
15	3.2	---	---	---	---	---	0.00	1.2	0.00	2.1	0.00	0.00
16	3.5	---	---	---	---	---	0.00	0.00	0.00	2.2	0.00	0.00
17	3.2	---	---	---	---	---	0.00	0.00	0.00	2.1	0.00	0.00
18	3.2	---	---	---	---	---	0.00	0.00	0.00	1.8	0.00	0.00
19	3.2	---	---	---	---	---	0.00	0.00	4.3	1.6	0.00	0.00
20	3.2	---	---	---	---	---	0.00	0.00	5.0	1.4	0.00	0.00
21	3.2	---	---	---	---	---	0.00	0.00	4.6	1.2	0.00	0.00
22	---	---	---	---	---	---	0.00	0.00	4.4	1.1	0.00	0.00
23	---	---	---	---	---	---	0.00	0.00	4.6	0.00	0.00	0.00
24	---	---	---	---	---	---	0.00	8.9	4.1	0.00	0.00	0.00
25	---	---	---	---	---	---	0.00	15	4.8	0.00	0.00	0.00
26	---	---	---	---	---	---	0.00	9.4	3.9	0.00	0.00	0.00
27	---	---	---	---	---	---	0.00	8.4	3.9	0.00	0.00	0.00
28	---	---	---	---	---	---	0.00	6.7	3.9	0.00	0.00	---
29	---	---	---	---	---	---	0.00	6.6	3.6	0.00	0.00	---
30	---	---	---	---	---	---	0.00	6.5	3.3	0.00	0.00	---
31	---	---	---	---	---	---	---	6.2	---	0.00	0.00	---
TOTAL	58.2	0	0	0	0	0	0	81.3	76.2	21.2	0	0
MEAN	2.8	---	---	---	---	---	0.000	2.6	2.5	0.68	0.000	0.000
MAX	3.5	---	---	---	---	---	0.00	15	5.7	3.0	0.00	0.00
MIN	2.0	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	115	0.00	0.00	0.00	0.00	0.00	0.00	161	151	42	0.00	0.00
CAL	YEAR	2010	TOTAL	288	MEAN	1.6	MAX	9.0	MIN	0.000	AC-FT	572
WTR	YEAR	2011	TOTAL	237	MEAN	1.2	MAX	15.0	MIN	0.000	AC-FT	470

# NIOBRARA RIVER BASIN

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

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	0.00e	0.00	4.6	0.00	0.00
2	0.00	---	---	---	---	---	---	0.00e	0.00	4.6	0.00	0.00
3	0.00	---	---	---	---	---	5.0e	0.00e	0.00	4.6	0.00	0.00
4	0.00	---	---	---	---	---	5.0e	0.00	0.00	4.3	0.00	0.00
5	0.00	---	---	---	---	---	5.0e	0.00	0.00	4.1	0.00	0.00
6	0.00	---	---	---	---	---	5.0e	0.00	0.00	4.0	0.00	0.00
7	---	---	---	---	---	---	5.3e	0.00	0.00	3.7	0.00	0.00
8	---	---	---	---	---	---	4.5e	0.00	0.00	3.5	0.00	0.00
9	---	---	---	---	---	---	4.5e	0.00	0.00	3.3	0.00	0.00
10	---	---	---	---	---	---	4.5e	0.00	3.3	3.1	0.00	0.00
11	---	---	---	---	---	---	4.5e	0.00	4.9	2.8	0.00	0.00
12	---	---	---	---	---	---	4.0e	0.00	4.5	2.6	0.00	0.00
13	---	---	---	---	---	---	4.0e	0.00	4.0	3.3	0.00	0.00
14	---	---	---	---	---	---	4.0e	0.00	4.4	3.6	0.00	0.00
15	---	---	---	---	---	---	4.0e	0.00	3.8	4.0	0.00	0.00
16	---	---	---	---	---	---	0.00e	0.00	4.0	4.2	0.00	0.00
17	---	---	---	---	---	---	0.00e	0.00	4.6	3.6	0.00	0.00
18	---	---	---	---	---	---	0.00e	0.00	4.9	3.2	0.00	0.00
19	---	---	---	---	---	---	0.00e	0.00	4.7	2.9	0.00	0.00
20	---	---	---	---	---	---	0.00e	0.00	4.4	2.4	0.00	0.00
21	---	---	---	---	---	---	0.00e	0.00	4.0	1.8	0.00	0.00
22	---	---	---	---	---	---	0.00e	0.00	3.9	1.5	0.00	0.00
23	---	---	---	---	---	---	0.00e	0.00	3.6	1.3	0.00	0.00
24	---	---	---	---	---	---	0.00e	0.00	3.6	1.1	0.00	0.00
25	---	---	---	---	---	---	0.00e	0.00	3.7	0.00	0.00	0.00
26	---	---	---	---	---	---	0.00e	0.00	3.8	0.00	0.00	0.00
27	---	---	---	---	---	---	0.00e	0.00	3.9	0.00	0.00	0.00
28	---	---	---	---	---	---	0.00e	0.00	4.1	0.00	0.00	---
29	---	---	---	---	---	---	0.00e	0.00	4.5	0.00	0.00	---
30	---	---	---	---	---	---	0.00e	0.00	4.6	0.00	0.00	---
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	59.3	0	87.2	78.1	0	0
MEAN	0.000	---	---	---	---	---	2.1	0.000	2.9	2.5	0.000	0.000
MAX	0.00	---	---	---	---	---	5.3	0.00	4.9	4.6	0.00	0.00
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	118	0.00	173	155	0.00	0.00
CAL	YEAR	2010	TOTAL	196	MEAN	1.3	MAX	12.0	MIN	0.000	AC-FT	388
WTR	YEAR	2011	TOTAL	225	MEAN	1.2	MAX	5.3	MIN	0.000	AC-FT	445

e indicates estimated discharge.

# NIOBRARA RIVER BASIN

## EARNEST CANAL (NORTH) from Niobrara River, 00038200

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.05	---	---	---	---	---	---	2.0e	0.00	0.00	0.00	2.1
2	0.07	---	---	---	---	---	---	2.0e	0.00	0.00	0.00	2.0
3	0.44	---	---	---	---	---	---	2.0e	0.00	0.00	0.00	0.00
4	0.71	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
5	0.85	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
6	0.87	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
7	0.85	---	---	---	---	---	2.6	0.00	0.00	0.00	0.00	0.00
8	0.85	---	---	---	---	---	2.5	0.00	0.00	0.00	0.00	0.00
9	0.90	---	---	---	---	---	2.3	0.00	0.00	0.00	0.00	0.00
10	1.1	---	---	---	---	---	2.4	0.00	1.2	0.00	0.00	0.00
11	1.3	---	---	---	---	---	2.5	0.00	1.5	0.00	0.00	0.00
12	1.4	---	---	---	---	---	2.8	0.00	3.9	0.00	0.00	1.8
13	---	---	---	---	---	---	2.8	0.00	3.7	0.00	0.00	1.8
14	---	---	---	---	---	---	2.7	0.00	3.7	0.00	0.00	1.9
15	---	---	---	---	---	---	2.6	0.00	1.6	0.00	0.00	2.1
16	---	---	---	---	---	---	2.6	0.00	0.25	0.00	0.00	2.1
17	---	---	---	---	---	---	2.5	0.00	0.16	0.00	0.00	2.1
18	---	---	---	---	---	---	2.4	0.00	0.16	0.00	0.00	2.1
19	---	---	---	---	---	---	2.5	0.00	0.10	0.00	0.00	2.1
20	---	---	---	---	---	---	2.6	0.00	0.00	0.00	0.00	2.1
21	---	---	---	---	---	---	2.7	0.00	0.00	0.00	0.18	2.1
22	---	---	---	---	---	---	2.6	0.00	0.00	0.00	0.20	0.00
23	---	---	---	---	---	---	2.5	0.00	0.00	0.00	0.46	0.00
24	---	---	---	---	---	---	2.5e	0.00	0.00	0.00	0.76	0.00
25	---	---	---	---	---	---	2.5e	0.00	0.00	0.00	0.78	0.00
26	---	---	---	---	---	---	2.5e	0.00	0.00	0.00	1.7	0.00
27	---	---	---	---	---	---	2.5e	0.00	0.00	0.00	2.5	0.00
28	---	---	---	---	---	---	2.5e	0.00	0.00	0.00	2.4	---
29	---	---	---	---	---	---	2.0e	0.00	0.00	0.00	2.2	---
30	---	---	---	---	---	---	2.0e	0.00	0.00	0.00	2.2	---
31	---	---	---	---	---	---	---	0.00	---	0.00	2.2	---
TOTAL	9.39	0	0	0	0	0	60.1	6	16.27	0	15.58	24.3
MEAN	0.79	---	---	---	---	---	2.5	0.19	0.55	0.000	0.50	0.90
MAX	1.4	---	---	---	---	---	2.8	2.0	3.9	0.00	2.5	2.1
MIN	0.05	---	---	---	---	---	2.0	0.00	0.00	0.00	0.00	0.00
AC-FT	19	0.00	0.00	0.00	0.00	0.00	119	12	32	0.00	31	48
CAL	YEAR	2010	TOTAL	36	MEAN	0.22	MAX	3.4	MIN	0.000	AC-FT	72
WTR	YEAR	2011	TOTAL	132	MEAN	0.71	MAX	3.9	MIN	0.000	AC-FT	261

e indicates estimated discharge.



# NIOBRARA RIVER BASIN

## McGINLEY-STOVER CANAL from Niobrara River, 00084000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	1.5	0.00	0.00	0.00
2	---	---	---	---	---	---	---	---	1.5e	0.00	0.00	0.00
3	---	---	---	---	---	---	---	---	1.5e	0.00	0.00	0.00
4	---	---	---	---	---	---	---	---	2.0e	0.00	0.00	0.00
5	---	---	---	---	---	---	---	---	2.0e	0.00	0.00	0.00
6	---	---	---	---	---	---	---	---	2.3e	1.5	0.00	0.00
7	---	---	---	---	---	---	---	---	2.3e	2.2	0.00	0.00
8	---	---	---	---	---	---	---	---	2.2	2.2	1.3	0.00
9	---	---	---	---	---	---	---	---	2.2	2.1	2.1	0.00
10	---	---	---	---	---	---	---	---	2.1	2.0	1.4	0.00
11	---	---	---	---	---	---	---	---	1.6	2.0	1.3	0.00
12	---	---	---	---	---	---	---	---	0.65	2.1	1.2	0.00
13	---	---	---	---	---	---	---	---	0.00	2.4	1.2	0.00
14	---	---	---	---	---	---	---	---	0.00	2.2	1.3	0.00
15	---	---	---	---	---	---	---	---	0.00	2.1	1.3	0.00
16	---	---	---	---	---	---	---	---	0.00	2.2	1.2	0.00
17	---	---	---	---	---	---	---	0.00	0.00	2.3	1.2	0.00
18	---	---	---	---	---	---	---	0.00	0.00	0.78	0.83	0.00
19	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
23	---	---	---	---	---	---	---	3.8	0.00	0.00	0.00	0.00
24	---	---	---	---	---	---	---	6.0	0.00	0.00	0.00	0.00
25	---	---	---	---	---	---	---	5.8	0.00	0.00	0.00	0.00
26	---	---	---	---	---	---	---	5.7	0.00	0.00	0.00	0.00
27	---	---	---	---	---	---	---	4.8	0.00	0.00	0.00	0.00
28	---	---	---	---	---	---	---	4.8	0.00	0.00	0.00	0.00
29	---	---	---	---	---	---	---	5.4	0.00	0.00	0.00	0.00
30	---	---	---	---	---	---	---	3.9	0.00	0.00	0.00	0.00
31	---	---	---	---	---	---	---	1.5	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	0	41.7	21.85	26.08	14.33	0
MEAN	---	---	---	---	---	---	---	2.8	0.72	0.85	0.46	0.000
MAX	---	---	---	---	---	---	---	6.0	2.3	2.4	2.1	0.00
MIN	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83	43	52	28	0.00
CAL	YEAR	2010	TOTAL	72	MEAN	0.64	MAX	4.2	MIN	0.000	AC-FT	143
WTR	YEAR	2011	TOTAL	104	MEAN	0.76	MAX	6.0	MIN	0.000	AC-FT	206

e indicates estimated discharge.

# NIOBRARA RIVER BASIN

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## COOK CANAL NO. 1 from Niobrara River, 00029000

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

GAGE.--Continuous stage recorder and concrete flume

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	---	---	---	---	---
2	0.00	---	---	---	---	---	---	---	---	---	---	---
3	0.00	---	---	---	---	---	---	---	---	---	---	---
4	0.00	---	---	---	---	---	---	---	---	---	---	---
5	0.00	---	---	---	---	---	---	---	---	---	---	---
6	0.00	---	---	---	---	---	---	---	---	---	---	---
7	0.00	---	---	---	---	---	---	---	---	---	---	---
8	0.00	---	---	---	---	---	---	---	---	---	---	---
9	0.00	---	---	---	---	---	---	---	---	---	---	---
10	0.00	---	---	---	---	---	---	---	---	---	---	---
11	0.00	---	---	---	---	---	---	---	---	---	---	---
12	0.00	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0.000	---	---	---	---	---	---	---	---	---	---	---
MAX	0.00	---	---	---	---	---	---	---	---	---	---	---
MIN	0.00	---	---	---	---	---	---	---	---	---	---	---
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAL	YEAR	2010	TOTAL	0	MEAN	0.000	MAX	0.000	MIN	0.000	AC-FT	0.00
WTR	YEAR	2011	TOTAL	0	MEAN	0.000	MAX	0.000	MIN	0.000	AC-FT	0.00

# NIOBRARA RIVER BASIN

## HARRIS-NEECE CANAL from Niobrara River, 00062000

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

GAGE.--Continuous stage recorder and 30 inch cutthroat flume

PERIOD OF RECORD.--1956 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7.6	---	---	---	---	---	0.00	0.00	10	7.2	10	5.4
2	7.6	---	---	---	---	---	0.00	0.00	11	7.6	7.5	5.3
3	7.6	---	---	---	---	---	0.00	0.00	11	7.6	6.6	5.5
4	7.7	---	---	---	---	---	0.00	0.00	11	7.7	7.4	5.9
5	7.9	---	---	---	---	---	0.00	0.00	12	8.6	7.9	6.1
6	8.0	---	---	---	---	0.00	0.00	8.2	13	9.3	7.8	6.4
7	7.9	---	---	---	---	0.00	0.00	10	14	9.3	7.6	6.5
8	8.5	---	---	---	---	0.00	0.00	10	14	9.3	7.2	6.8
9	9.3	---	---	---	---	0.00	0.00	10	10	8.8	6.9	7.3
10	10	---	---	---	---	0.00	0.00	6.7	0.00	8.3	6.8	7.5
11	10	---	---	---	---	0.00	0.00	6.6	0.00	7.7	7.4	7.2
12	11	---	---	---	---	0.00	0.00	7.4	0.00	6.2	6.4	7.2
13	11	---	---	---	---	0.00	0.00	7.9	0.00	8.2	4.3	7.6
14	3.1	---	---	---	---	0.00	0.00	8.3	0.00	9.7	4.2	9.9
15	0.00	---	---	---	---	0.00	0.00	9.1	0.00	10.0	4.2	12
16	0.00	---	---	---	---	0.00	0.00	9.2	0.00	9.1	6.0	13
17	0.00	---	---	---	---	0.00	0.00	9.6	0.00	8.7	5.4	13
18	0.00	---	---	---	---	0.00	0.00	9.5	0.00	8.4	4.9	12
19	0.00	---	---	---	---	0.00	0.00	9.5	0.00	3.5	4.5	12
20	0.00	---	---	---	---	0.00	0.00	9.6	0.00	0.00	4.5	11
21	0.00	---	---	---	---	0.00	0.00	9.3	0.04	0.00	4.5	10
22	---	---	---	---	---	0.00	0.00	9.9	0.20	0.00	4.2	10
23	---	---	---	---	---	0.00	0.00	9.8	0.37	0.00	4.0	10
24	---	---	---	---	---	0.00	0.00	9.9	0.54	0.00	4.0	9.9
25	---	---	---	---	---	0.00	0.00	9.4	0.70	0.00	4.1	9.7
26	---	---	---	---	---	0.00	0.00	9.3	8.1	0.05	4.2	9.4
27	---	---	---	---	---	0.00	0.00	9.2	16	0.24	3.7	9.3
28	---	---	---	---	---	0.00	0.00	9.3	10	0.44	4.2	9.2
29	---	---	---	---	---	0.00	0.00	9.1	7.6	0.64	4.6	9.0
30	---	---	---	---	---	0.00	0.00	9.1	7.1	6.8	5.3	9.2
31	---	---	---	---	---	0.00	---	9.2	---	9.4	5.5	---
TOTAL	117.2	0	0	0	0	0	0	235.1	156.65	172.77	175.8	263.3
MEAN	5.6	---	---	---	---	0.000	0.000	7.6	5.2	5.6	5.7	8.8
MAX	11	---	---	---	---	0.00	0.00	10	16	10.0	10	13
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	3.7	5.3
AC-FT	232	0.00	0.00	0.00	0.00	0.00	0.00	466	311	343	349	522
CAL	YEAR	2010	TOTAL	771	MEAN	4.1	MAX	12.0	MIN	0.000	AC-FT	1529
WTR	YEAR	2011	TOTAL	1121	MEAN	4.9	MAX	16.0	MIN	0.000	AC-FT	2223

# NIOBRARA RIVER BASIN

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**LABELLE CANAL from Niobrara River, 00078000**

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

**DISCHARGE ( CFS ), WATER YEAR 2011**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
2	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
3	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
4	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
5	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
6	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
7	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
8	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
11	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
13	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
14	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.92
15	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	1.5
16	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	1.4
17	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	1.5
18	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	1.7
19	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	1.7
20	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	2.0
21	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	2.2
22	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	2.1
23	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	2.1
24	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	2.1
25	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	2.1
26	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	2.0
27	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	2.0
28	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	2.2
29	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	2.1
30	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	2.0
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	31.62
MEAN	0.000	---	---	---	---	---	0.000	0.000	0.000	0.000	0.000	1.1
MAX	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	2.2
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63
CAL	YEAR	2010	TOTAL	7	MEAN	0.043	MAX	3.1	MIN	0.000	AC-FT	15
WTR	YEAR	2011	TOTAL	32	MEAN	0.17	MAX	2.2	MIN	0.000	AC-FT	63

# NIOBRARA RIVER BASIN

## METTLEN CANAL from Niobrara River, 00089000

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	0.00	0.00	0.00	1.4	---
2	0.00	---	---	---	---	---	---	0.00	0.00	0.00	1.4	---
3	0.00	---	---	---	---	---	---	0.00	0.00	0.00	1.4	---
4	0.00	---	---	---	---	---	---	0.00	0.00	0.00	1.5	---
5	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	1.7	---
6	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	1.6	---
7	---	---	---	---	---	---	0.00	0.00	0.00	0.00	1.7	---
8	---	---	---	---	---	---	0.00	0.00	0.00	0.00	1.7	---
9	---	---	---	---	---	---	0.00	0.00	0.00	0.00	1.6	---
10	---	---	---	---	---	---	0.00	0.00	0.00	0.00	1.5	---
11	---	---	---	---	---	---	0.00	0.00	0.00	0.00	1.6	---
12	---	---	---	---	---	---	0.00	0.00	0.00	0.00	1.6	---
13	---	---	---	---	---	---	0.00	0.00	0.00	1.0	1.5	---
14	---	---	---	---	---	---	0.00	0.00	0.00	1.7	1.4	---
15	---	---	---	---	---	---	0.00	0.00	0.00	1.6	1.4	---
16	---	---	---	---	---	---	0.00	0.00	0.00	1.8	1.3	---
17	---	---	---	---	---	---	0.00	0.00	0.00	2.3	1.4	---
18	---	---	---	---	---	---	0.00	0.00	0.00	2.8	1.4	---
19	---	---	---	---	---	---	0.00	0.00	0.00	2.7e	1.3	---
20	---	---	---	---	---	---	0.00	0.00	0.00	2.7e	1.3	---
21	---	---	---	---	---	---	0.00	0.00	0.00	2.7e	1.3	---
22	---	---	---	---	---	---	0.00	0.00	0.00	2.7e	1.2	---
23	---	---	---	---	---	---	0.00	0.00	0.00	2.7e	1.2	---
24	---	---	---	---	---	---	0.00	0.00	0.00	2.7e	0.00	---
25	---	---	---	---	---	---	0.00	0.00	0.00	2.7e	0.00	---
26	---	---	---	---	---	---	0.00	0.00	0.00	2.7e	0.00	---
27	---	---	---	---	---	---	0.00	0.00	0.00	2.9	0.00	---
28	---	---	---	---	---	---	0.00	0.00	0.00	2.9	0.00	---
29	---	---	---	---	---	---	0.00	0.00	0.00	3.1	0.00	---
30	---	---	---	---	---	---	0.00	0.00	0.00	3.0	0.00	---
31	---	---	---	---	---	---	---	0.00	---	2.6	0.00	---
TOTAL	0	0	0	0	0	0	0	0	0	47.3	33.4	0
MEAN	0.000	---	---	---	---	---	0.000	0.000	0.000	1.5	1.1	---
MAX	0.00	---	---	---	---	---	0.00	0.00	0.00	3.1	1.7	---
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94	66	0.00
CAL	YEAR	2010	TOTAL	12	MEAN	0.072	MAX	5.8	MIN	0.000	AC-FT	24
WTR	YEAR	2011	TOTAL	81	MEAN	0.52	MAX	3.1	MIN	0.000	AC-FT	160

e indicates estimated discharge.

# NIOBRARA RIVER BASIN

## BENNETT-KAY CANAL from Niobrara River, 00013000

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1958 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
2	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
3	---	---	---	---	---	---	---	0.00	0.00	0.34	1.5	0.00
4	---	---	---	---	---	---	---	0.00	0.00	1.6	1.5	0.00
5	---	---	---	---	---	---	---	0.00	0.00	1.6	1.5	0.00
6	---	---	---	---	---	---	0.00	0.00	0.47	1.2	1.5	0.00
7	---	---	---	---	---	---	0.00	0.00	0.94	1.1	1.5	0.00
8	---	---	---	---	---	---	0.00	0.00	1.9	1.3	1.5	0.00
9	---	---	---	---	---	---	0.00	0.00	2.6	1.3	1.5	0.00
10	---	---	---	---	---	---	0.00	0.00	2.5	1.00	1.5	0.00
11	---	---	---	---	---	---	0.00	0.00	2.4	0.89	1.5	0.00
12	---	---	---	---	---	---	0.00	0.00	2.3	1.1	1.1	0.00
13	---	---	---	---	---	---	0.00	0.00	2.2	1.1	0.31	0.00
14	---	---	---	---	---	---	0.00	0.00	2.2	0.30	0.00	0.00
15	---	---	---	---	---	---	0.00	0.00	2.2	0.00	0.00	0.00
16	---	---	---	---	---	---	0.00	0.00	1.5	0.00	0.00	0.00
17	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
19	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
23	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
24	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
25	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
26	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
27	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
28	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
29	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
30	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	0	0	21.21	12.83	14.91	0
MEAN	---	---	---	---	---	---	0.000	0.000	0.71	0.41	0.48	0.000
MAX	---	---	---	---	---	---	0.00	0.00	2.6	1.6	1.5	0.00
MIN	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42	25	30	0.00
CAL	YEAR	2010	TOTAL	36	MEAN	0.22	MAX	1.8	MIN	0.000	AC-FT	72
WTR	YEAR	2011	TOTAL	49	MEAN	0.28	MAX	2.6	MIN	0.000	AC-FT	97

# NIOBRARA RIVER BASIN

## MOORE-KAY CANAL from Niobrara River, 00104000

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

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

PERIOD OF RECORD.--1956 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
2	0.00	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
3	0.00	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
4	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
5	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
6	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
7	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
8	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
11	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
13	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
14	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
15	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
19	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
23	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
24	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
25	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
26	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
27	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
28	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
29	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
30	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0.000	---	---	---	---	---	---	0.000	0.000	0.000	0.000	0.000
MAX	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
MIN	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAL	YEAR	2010	TOTAL	96	MEAN	0.64	MAX	9.5	MIN	0.000	AC-FT	190
WTR	YEAR	2011	TOTAL	0	MEAN	0.000	MAX	0.000	MIN	0.000	AC-FT	0.00

# NIOBRARA RIVER BASIN

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## GEO. HITSHEW CANAL from Niobrara River, 00063000

LOCATION.--NE1/4SE1/4 Sec. 6-28-52 W. near Marsland

GAGE.--Continuous stage recorder and 30 inch cutthroat flume

PERIOD OF RECORD.--1956 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
2	0.00	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
3	0.00	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
4	0.00	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
5	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
6	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
7	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
8	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
9	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
10	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
11	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
12	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
13	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
14	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
15	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
16	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
17	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
19	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
20	---	---	---	---	---	---	---	0.16	0.00	0.00	0.00	---
21	---	---	---	---	---	---	---	0.21	0.00	0.00	0.00	---
22	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
23	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
24	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
25	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
26	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
27	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
28	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
29	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
30	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	0	0.37	0	0	0	0
MEAN	0.000	---	---	---	---	---	---	0.014	0.000	0.000	0.000	0.000
MAX	0.00	---	---	---	---	---	---	0.21	0.00	0.00	0.00	0.00
MIN	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.7	0.00	0.00	0.00	0.00
CAL	YEAR	2010	TOTAL	7	MEAN	0.044	MAX	1.3	MIN	0.000	AC-FT	13
WTR	YEAR	2011	TOTAL	0	MEAN	0.002	MAX	0.21	MIN	0.000	AC-FT	0.7



# NIOBRARA RIVER BASIN

## McLAUGHLIN CANAL from Niobrara River, 00086000

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

GAGE.--Continuous stage recorder and 30 inch cutthroat flume

PERIOD OF RECORD.--1956 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
2	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
3	0.00	---	---	---	---	---	---	0.17	0.00	0.00	0.00	0.00
4	0.00	---	---	---	---	---	---	0.83	0.00	0.00	0.00	0.00
5	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
6	0.00	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
7	0.00	---	---	---	---	---	---	0.00	2.4	0.00	0.00	0.00
8	---	---	---	---	---	---	---	0.00	4.9	0.00	0.00	0.00
9	---	---	---	---	---	---	---	0.00	4.1	0.00	0.00	0.00
10	---	---	---	---	---	---	---	0.00	4.4	0.00	0.00	0.00
11	---	---	---	---	---	---	---	0.00	5.0	0.00	0.00	0.00
12	---	---	---	---	---	---	---	0.00	5.0	0.00	0.00	0.00
13	---	---	---	---	---	---	---	0.00	2.8	0.00	0.00	0.00
14	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
15	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
19	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
23	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
24	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
25	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
26	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
27	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
28	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
29	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
30	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	0	1	28.6	0	0	0
MEAN	0.000	---	---	---	---	---	0.000	0.032	0.96	0.000	0.000	0.000
MAX	0.00	---	---	---	---	---	0.00	0.83	5.0	0.00	0.00	0.00
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.0	57	0.00	0.00	0.00
CAL	YEAR	2010	TOTAL	107	MEAN	0.69	MAX	5.8	MIN	0.000	AC-FT	212
WTR	YEAR	2011	TOTAL	30	MEAN	0.19	MAX	5.0	MIN	0.000	AC-FT	59

# NIOBRARA RIVER BASIN

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## EXCELSIOR CANAL from Niobrara River, 00046000

LOCATION.--SE1/4NE1/4 Sec. 10-28-52 W. near Marsland

GAGE.--Continuous stage recorder and 28 inch cutthroat flume

PERIOD OF RECORD.--1956 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
2	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
3	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
4	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
5	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
6	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
7	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
8	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
11	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
13	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
14	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
15	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
19	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
23	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
24	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
25	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
26	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
27	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
28	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
29	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
30	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	---
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	---	---	---	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000
MAX	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
MIN	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAL	YEAR	2010	TOTAL	0	MEAN	0.000	MAX	0.000	MIN	0.000	AC-FT	0.00
WTR	YEAR	2011	TOTAL	0	MEAN	0.000	MAX	0.000	MIN	0.000	AC-FT	0.00

# NIOBRARA RIVER BASIN

## HUGHES CANAL from Niobrara River, 00069000

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1956 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAL	YEAR	2010	TOTAL	8	MEAN	0.075	MAX	1.0	MIN	0.000	AC-FT	16
WTR	YEAR	2011										

NO WATER DIVERTED IN 2011.

# NIOBRARA RIVER BASIN

## PIONEER CANAL from Niobrara River, 00123000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	0.00	0.00	0.00	1.1	1.5
2	0.00	---	---	---	---	---	---	0.00	0.00	0.00	1.1	1.5
3	0.00	---	---	---	---	---	---	0.00	0.00	0.00	1.2	1.5
4	0.00	---	---	---	---	---	---	0.00	0.00	0.00	1.2	1.5
5	0.00	---	---	---	---	---	---	0.00	0.00	0.00	1.3	1.4
6	0.00	---	---	---	---	---	---	0.00	0.00	0.00	1.3	1.1
7	0.00	---	---	---	---	---	---	0.00	0.00	0.00	1.2	0.01
8	---	---	---	---	---	---	---	0.00	0.00	0.00	1.2	0.00
9	---	---	---	---	---	---	---	0.17	0.00	0.00	1.2	0.00
10	---	---	---	---	---	---	---	2.1	0.00	0.00	1.2	0.00
11	---	---	---	---	---	---	---	2.2	0.00	0.00	0.83	0.00
12	---	---	---	---	---	---	---	2.4	0.00	0.00	0.00	0.00
13	---	---	---	---	---	---	---	2.4	0.00	0.00	0.00	0.00
14	---	---	---	---	---	---	---	2.4	0.00	0.00	0.00	0.00
15	---	---	---	---	---	---	---	2.2	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	---	1.1	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	---	0.08	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
19	---	---	---	---	---	---	---	0.08	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	---	0.15	0.00	0.07	0.00	0.00
21	---	---	---	---	---	---	---	0.08	0.00	1.1	0.00	0.00
22	---	---	---	---	---	---	---	0.18	0.00	1.1	0.00	0.00
23	---	---	---	---	---	---	---	0.45	0.00	1.1	0.00	---
24	---	---	---	---	---	---	---	1.2	0.00	1.1	0.00	---
25	---	---	---	---	---	---	---	1.8	0.00	1.2	0.00	---
26	---	---	---	---	---	---	---	0.98	0.00	1.2	0.01	---
27	---	---	---	---	---	---	---	0.30	0.00	1.2	1.2	---
28	---	---	---	---	---	---	0.00	0.15	0.00	1.2	1.4	---
29	---	---	---	---	---	---	0.00	1.4	0.00	1.2	1.5	---
30	---	---	---	---	---	---	0.00	0.00	0.00	1.2	1.5	---
31	---	---	---	---	---	---	---	0.00	---	1.1	1.5	---
TOTAL	0	0	0	0	0	0	0	21.82	0	12.77	19.94	8.51
MEAN	0.000	---	---	---	---	---	0.000	0.71	0.000	0.41	0.64	0.39
MAX	0.00	---	---	---	---	---	0.00	2.4	0.00	1.2	1.5	1.5
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43	0.00	25	40	17
CAL	YEAR	2010	TOTAL	255	MEAN	1.6	MAX	7.9	MIN	0.000	AC-FT	505
WTR	YEAR	2011	TOTAL	63	MEAN	0.41	MAX	2.4	MIN	0.000	AC-FT	125

# NIOBRARA RIVER BASIN

## NIOBRARA RIVER above Box Butte Reservoir, 06454500

LOCATION.--NE1/4 Sec. 27-29-50 W., Dawes County, Lat. 42° 27' 35", Long. 103° 10' 16", on right bank 1 mile upstream from high-water line of Box Butte Reservoir and 6 miles east of Marsland.

DRAINAGE AREA.--Approximately 1,400 square miles.

GAGE.--Continuous stage recorder. Gage datum 4,012.47 feet above sea level.

PERIOD OF RECORD.--Oct. 1946 - present

REMARKS.--Published by the USGS up to Oct. 1, 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 4,950 cubic feet per second July 28, 1951, gage height 10.30 feet; minimum daily discharge 1.6 cubic feet per second September 26, 1953.

EXTREMES FOR CURRENT YEAR.--Peak discharge 104 cubic feet per second May 25, gage height 5.11 feet; minimum daily discharge 7.0 cubic feet per second August 27.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.6	18	25e	18e	16e	37	41	36	59	26	11	11
2	9.7	21	22e	17e	14e	57	40	34	55	25	11	11
3	9.9	21	18	20e	16e	46	38	33	51	24	11	11
4	9.7	21	19	25e	20e	46	37	33	47	23	12	10
5	9.1	21	21	26e	21e	48	36	30	43	23	12	10
6	9.2	21	22	26e	22e	47	35	31	39	23	12	10
7	9.3	21	23	14e	20e	44	34	31	35	25	11	12
8	9.3	21	22	13e	18e	49	34	31	31	22	11	12
9	9.2	22	24	13e	16e	45	33	30	26	20	11	12
10	9.8	20	24	16e	18e	46	35	26	30	18	11	12
11	9.7	18	23	23e	23	43	34	26	29	17	12	12
12	10.0	23	21e	27e	21	50	33	37	26	16	13	12
13	10	23	24e	15e	25	56	32	40	25	17	12	12
14	9.8	24	26e	15	24	57	33	37	25	16	12	12
15	9.9	24	26e	15	22	51	34	37	27	15	11	13
16	10.0	24	24e	16	22	50	34	40	27	13	11	13
17	10	25	22e	16	23	52	34	39	32	14	11	13
18	14	25	23e	15e	22	54	35	42	32	12	10	13
19	14	25	22e	14e	18e	54	40	55	34	11	10	13
20	13	25	22	14e	17e	62	41	65	40	7.6	11	13
21	14	25	21	18	18e	68	41	60	38	7.4	10	13
22	14	24e	22	17	20e	62	43	60	36	8.8	10	12
23	16	24e	23	17	24e	56	41	62	34	9.3	10	13
24	17	23e	23	17	25e	51	40	77	32	10	9.9	13
25	19	24e	23	17	25e	48	39	95	31	11	9.8	13
26	21	27e	22	17	25e	46	37	82	30	12	9.6	13
27	21	22e	22	18	26e	45	38	69	29	12	7.0	13
28	22	20	21	19	26e	43	39	60	27	12	8.5	13
29	22	21	19	19	---	41	38	66	26	12	9.9	13
30	17	20e	20	19	---	41	38	71	25	12	10	13
31	16	---	19e	18e	---	41	---	67	---	11	10	---
TOTAL	404.2	673	688	554	587	1536	1107	1502	1021	485.1	330.7	366
MEAN	13.1	22.4	22.2	17.9	20.9	49.6	36.8	48.4	34.0	15.7	10.7	12.0
MAX	22	27	26	27	26	68	43	95	59	26	13	13
MIN	9.1	18	18	13	14	37	32	26	25	7.4	7.0	10
AC-FT	802	1335	1365	1099	1164	3047	2196	2979	2025	962	656	726
CAL	YEAR	2010	TOTAL	9375	MEAN	25.7	MAX	104.0	MIN	7.8	AC-FT	18590
WTR	YEAR	2011	TOTAL	9254	MEAN	25.4	MAX	95.0	MIN	7.0	AC-FT	18360

e indicates estimated discharge.

# NIOBRARA RIVER BASIN

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## BOX BUTTE RESERVOIR from Niobrara River, 06455000

LOCATION.--SW1/4NE1/4 Sec. 28-29-49 W., Dawes County, near Dunlap, Lat. 42° 27' 30", Long. 103° 04' 03"

GAGE.--Reference point

PERIOD OF RECORD.--1946 - present

REMARKS.--Values furnished by the USBR Great Plains web page.

### STORAGE ( AC-FT ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	11782	12403	13396	14512	15407	16569	19427	21147	23930	24942	16819	12553
2	11792	12433	13417	14545	15441	16676	19492	21188	24030	24942	16712	12333
3	11801	12463	13470	14567	15475	16772	19544	21228	24073	24942	16368	12164
4	11811	12483	13480	14589	15510	16867	19596	21269	24116	24318	16700	12594
5	11821	12523	13522	14611	15590	16951	19635	21282	24188	24318	16557	12493
6	11840	12553	13554	14645	15613	17060	19687	21323	24217	24246	16333	12644
7	11850	12584	13596	14645	15658	17156	19739	21350	24202	24159	16145	12654
8	11879	12614	13639	14667	15681	17265	19791	21391	24202	24030	16040	12675
9	11918	12664	13670	14700	15716	17338	19844	21445	24303	23786	15889	12685
10	11948	12675	13766	14711	15750	17424	19949	21459	24318	22853	15704	12685
11	11957	12715	13734	14733	15773	17509	19988	21486	24347	22130	15510	12695
12	11977	12756	13766	14744	15820	17595	20014	21663	24361	21937	15316	12695
13	11987	12797	13819	14766	15866	17694	20041	21704	24376	21459	15158	12705
14	11997	12827	13851	14800	15901	17817	20146	21745	24376	21269	14678	12715
15	12016	12868	13894	14833	15935	17904	20173	21786	24390	21039	14403	12756
16	12016	12909	13937	14866	15982	18015	20212	21827	24477	20757	14088	12786
17	12036	12929	13969	14900	16017	18103	20265	21978	24491	20212	13873	12817
18	12056	12981	14012	14945	16040	18190	20398	22033	24506	20212	13702	12827
19	12085	13001	14055	15001	16098	18303	20477	22310	24607	19988	14589	12868
20	12105	13053	14088	15023	16169	18404	20517	22434	24665	20107	14600	12838
21	12115	13084	14120	15045	16215	18543	20650	22602	24694	19220	14622	12858
22	12154	13125	14153	15090	16262	18656	20731	22671	24709	18962	14622	12736
23	12194	13157	14185	15113	16297	18720	20744	22811	24738	18644	14622	12664
24	12213	13177	14239	15146	16344	18809	20811	22937	24767	18619	14611	12746
25	12293	13219	14272	15180	16380	18899	20865	23092	24840	18707	14634	12756
26	12273	13240	14315	15214	16439	18975	20918	23247	24869	18404	14337	12776
27	12263	13271	14359	15259	16474	19052	20999	23346	24854	18153	14218	12786
28	12293	13333	14392	15282	16510	19142	21039	23431	24869	17866	13522	12807
29	12323	13344	14425	15305		19194	21093	23601	24884	17891	13125	12807
30	12333	13344	14469	15361		19272	21120	23772	24927	17657	12919	12695
31	12373		14523	15384		19349		23844		17546	12695	
MIN	11782	12403	13396	14512	15407	16569	19427	21147	23930	17546	12695	12164
MAX	12373	13344	14523	15384	16510	19349	21120	23844	24927	24942	16819	12868
AVG	12048	12884	13938	14909	15942	18007	20264	22174	24478	21075	14939	12694

# NIOBRARA RIVER BASIN

## NIOBRARA RIVER below Box Butte Reservoir, 06455500

LOCATION.--SE1/4 Sec. 28-29-49 W., Dawes County, Lat. 42° 27' 23", Long. 103° 04' 10", on left bank 0.2 mile downstream from Box Butte Reservoir and nine miles north of Hemingford.

DRAINAGE AREA.--Approximately 1,460 square miles.

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

PERIOD OF RECORD.--Oct. 1946 - present

REMARKS.--Published by the USGS up to Oct. 1, 1991. Flow completely regulated from Box Butte Reservoir. Records are good, except discharges below 2.0 cfs are fair.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 616 cubic feet per second July 2, 1968, gage height 5.04 feet; minimum daily discharge 0.10 cubic feet per second for many days in 1947 and 1951.

EXTREMES FOR CURRENT YEAR.--Peak discharge 148 cubic feet per second July 14, gage height 4.15 feet; minimum daily discharge 0.74 cubic feet per second on October 1.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.74	0.78	0.84	0.90	0.86	0.88	0.94	0.98	1.2	1.2	103	109
2	0.75	0.78	0.84	0.91	0.85	0.88	0.92	0.98	1.2	1.2	110	107
3	0.75	0.78	0.83	0.89	0.85	0.89	0.93	0.98	1.2	1.2	115	104
4	0.75	0.78	0.81	0.88	0.87	0.89	0.92	0.98	1.2	34	113	83
5	0.75	0.78	0.81	0.87	0.89	0.88	0.92	1.4	1.2	73	99	54
6	0.75	0.78	0.81	0.87	0.88	0.88	0.92	1.1	1.3	73	97	40
7	0.75	0.78	0.81	0.88	0.88	0.88	0.93	1.0	1.2	73	96	1.2
8	0.77	0.78	0.82	0.88	0.88	0.88	0.95	1.0	1.3	73	95	1.1
9	0.79	0.79	0.82	0.88	0.88	0.90	0.95	1.0	1.3	74	93	1.1
10	0.82	0.81	0.82	0.88	0.88	0.94	1.0	1.0	1.3	93	90	1.0
11	0.77	0.80	0.80	0.88	0.87	0.94	0.99	1.0	1.3	122	90	0.97
12	0.77	0.82	0.82	0.86	0.90	0.92	0.96	1.3	1.3	133	91	0.95
13	0.76	0.82	0.82	0.85	0.92	0.92	0.96	1.1	1.3	134	91	0.99
14	0.76	0.82	0.82	0.87	0.90	0.92	1.0	1.0	1.3	138	99	0.98
15	0.77	0.82	0.84	0.89	0.89	0.93	1.00	1.0	1.3	135	111	1.0
16	0.76	0.82	0.85	0.89	0.89	0.96	0.98	1.0	1.4	134	115	1.00
17	0.78	0.82	0.83	0.90	0.88	0.94	0.99	1.1	1.6	136	114	1.00
18	0.79	0.82	0.83	0.92	0.86	0.93	1.1	1.2	1.4	138	112	0.99
19	0.78	0.83	0.83	0.92	0.86	0.93	1.1	2.1	1.5	129	68	0.97
20	0.79	0.83	0.84	0.91	0.87	0.91	1.1	1.3	1.5	125	1.2	0.97
21	0.79	0.83	0.83	0.88	0.87	0.90	1.1	1.2	1.4	118	1.1	0.98
22	0.81	0.83	0.83	0.88	0.88	0.90	1.1	1.2	1.5	134	1.0	21
23	0.83	0.83	0.83	0.88	0.89	0.88	1.0	1.2	1.4	134	0.99	36
24	0.82	0.81	0.83	0.88	0.88	0.87	1.0	1.2	1.4	129	0.99	15
25	0.80	0.81	0.83	0.88	0.87	0.87	1.0	1.2	1.4	117	0.96	0.99
26	0.79	0.80	0.84	0.90	0.87	0.90	1.0	1.2	1.3	113	22	0.95
27	0.79	0.80	0.86	0.90	0.88	0.91	1.0	1.2	1.3	113	55	0.93
28	0.77	0.81	0.85	0.88	0.88	0.91	1.0	1.1	1.2	113	72	0.94
29	0.78	0.81	0.87	0.87	---	0.91	1.0	1.3	2.3	110	103	0.92
30	0.77	0.82	0.87	0.87	---	0.91	0.99	1.3	1.3	104	110	18
31	0.78	---	0.90	0.86	---	0.93	---	1.2	---	102	109	---
TOTAL	24.08	24.19	25.83	27.41	24.58	28.09	29.75	35.82	40.8	3107.6	2379.24	606.93
MEAN	0.78	0.81	0.83	0.89	0.88	0.91	1.00	1.2	1.3	100.3	76.8	20.2
MAX	0.83	0.83	0.90	0.92	0.92	0.96	1.1	2.1	2.3	138	115	109
MIN	0.74	0.78	0.80	0.85	0.85	0.87	0.92	0.98	1.2	1.2	0.96	0.92
AC-FT	48	48	51	54	49	56	59	71	81	6164	4719	1204
CAL	YEAR	2010	TOTAL	5059	MEAN	13.9	MAX	165.0	MIN	0.73	AC-FT	10030
WTR	YEAR	2011	TOTAL	6354	MEAN	17.4	MAX	138.0	MIN	0.74	AC-FT	12600

e indicates estimated discharge.

# NIOBRARA RIVER BASIN

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## MONTAGUE CANAL from Niobrara River, 00102000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAL	YEAR	2010	TOTAL	0	MEAN	0.000	MAX	0.000	MIN	0.000	AC-FT	0.00
WTR	YEAR	2011										

NO WATER DIVERTED IN 2011.



# NIOBRARA RIVER BASIN

## LICHTE CANAL from Niobrara River, 00081000

LOCATION.--NW1/4SW1/4 Sec. 26-29-48 W. near Dunlap

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

PERIOD OF RECORD.--1956 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	0.00	0.00	1.0	0.00
2	---	---	---	---	---	---	---	---	0.00	0.00	0.43	0.00
3	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
4	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
5	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
6	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
7	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
8	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
11	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
13	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
14	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
15	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	---	0.00	0.00	1.6	0.00	0.00
19	---	---	---	---	---	---	---	0.00	0.00	3.4	0.00	0.00
20	---	---	---	---	---	---	---	0.00	0.00	3.1	0.00	0.00
21	---	---	---	---	---	---	---	0.00	0.00	0.89	0.00	0.00
22	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
23	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
24	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
25	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
26	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
27	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
28	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
29	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
30	---	---	---	---	---	---	---	0.00	0.00	0.44	0.00	---
31	---	---	---	---	---	---	---	0.00	---	1.0	0.00	---
TOTAL	0	0	0	0	0	0	0	0	0	10.43	1.43	0
MEAN	---	---	---	---	---	---	---	0.000	0.000	0.34	0.048	0.004
MAX	---	---	---	---	---	---	---	0.00	0.00	3.4	1.0	0.00
MIN	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21	2.8	0.00
CAL	YEAR	2010	TOTAL	0	MEAN	0.000	MAX	0.000	MIN	0.000	AC-FT	0.00
WTR	YEAR	2011	TOTAL	12	MEAN	0.093	MAX	3.4	MIN	0.000	AC-FT	24

# NIOBRARA RIVER BASIN

## MIRAGE FLATS CANAL from Niobrara River, 00100000

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 the USBR Great Plains web page.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111	108
2	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	118	106
3	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	121	101
4	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40	120	78
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76	107	49
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77	115	34
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82	115	---
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92	113	---
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91	113	---
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	101	112	---
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	137	113	---
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	148	108	---
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	150	103	---
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	153	107	---
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	148	117	---
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	146	117	---
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	154	114	---
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	154	112	---
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143	66	---
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	138	0.00	---
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	131	0.00	---
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	148	0.00	---
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	148	0.00	---
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143	0.00	---
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	130	0.00	---
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	128	17	---
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	128	51	---
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	128	68	---
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	123	100	---
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	115	110	---
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	111	109	---
TOTAL	0	0	0	0	0	0	0	0	0	3463	2557	476
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	111.7	82.5	79.3
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	154	121	108
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6869	5072	944
CAL	YEAR	2010	TOTAL	4724	MEAN	27.0	MAX	143.0	MIN	0.000	AC-FT	9370
WTR	YEAR	2011	TOTAL	6496	MEAN	19.3	MAX	154.0	MIN	0.000	AC-FT	12880

e indicates estimated discharge.

NIOBRARA RIVER BASIN

POTMESIL CANAL from Niobrara River, 00124000

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

DISCHARGE ( CFS ), WATER YEAR 2011

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

DATA NOT AVAILABLE.

# NIOBRARA RIVER BASIN

## NIOBRARA RIVER near Nenzel, 06459025

LOCATION.--NE1/4SE1/4 Sec. 30-33-32 W., Cherry County, Lat. 42°48'17", Long. 101°07'23", near left bank about 50 feet upstream from centerline of Nebraska Spur 16F bridge, about nine miles south of Nenzel.

DRAINAGE AREA.--Undetermined.

GAGE.--Continuous stage recorder. Elevation of gage about 2,690 ft. above sea level from Cody SE 7.5' topographic map.

PERIOD OF RECORD.--July 2, 2008 - present

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 946 cubic feet per second June 27, gage height 2.59 feet; minimum daily discharge 118 cubic feet per second February 27.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	314	356	280e	331e	233	448	430	360	476	578	293	365
2	316	354	280e	311e	244	408	412	376	470	514	285	365
3	320	354	278e	301e	321e	426	455e	371	446	473	279	348
4	315	349	276e	300e	469e	437	420e	365	415	460	308	333
5	319	344	283e	316e	502e	419	405e	361	403	493	345	330
6	320	346	295e	303e	463e	430	415e	364	394	430	333	327
7	329	350	293e	289e	442e	432	420e	366	381	436	323	316
8	335	351	310e	287e	379	398	416e	367	355	457	353	311
9	363	354	307e	301e	395	426	418e	375	354	436	333	319
10	386	345	325e	320e	429	457	448e	369	368	405	377	328
11	373	352	329e	320e	501	475	440e	387	365	396	393	344
12	377	357	319e	325e	507	494	476e	471	366	433	506	320
13	368	356	325	301e	526	504	393e	489	392	522	385	312
14	374	348	368	281e	564	480	378	454	387	454	337	320
15	366	348	358	281e	574	483	397	424	373	431	331	358
16	358	345	363	311e	594	486	400	402	382	404	309	366
17	355	346	351	340e	564	495	422	393	529	391	296	363
18	353	346	337	342e	531	506	447	405	428	368	301	383
19	357	339	340	342e	520	483	461	481	406	355	297	391
20	354	343	358	340e	489	474	438	566	526	340	304	365
21	355	336	372	360e	428	465	450	594	500	342	319	343
22	358	327	351	356e	428	453	456	570	451	342	334	337
23	371	298	338	356e	461	450	432	535	434	329	314	337
24	385	294e	378	360e	454	437	424	542	420	320	300	333
25	386	291	352	371e	431	430	427	506	459	340	297	339
26	383	290e	339	391e	254	425	404	473	720	372	297	338
27	371	269e	339	411e	118	422	400	486	767	325	301	356
28	353	258e	350	417e	277	411	390	475	586	417	293	364
29	348	263e	348e	430e	---	414	388	496	517	366	301	346
30	350	273e	346e	413e	---	408	381	488	484	339	344	335
31	354	---	347e	332e	---	420	---	482	---	318	365	---
TOTAL	10966	9882	10235	10439	12098	13896	12643	13793	13554	12586	10153	10292
MEAN	353.7	329.3	330.0	336.7	432.1	448.3	421.4	444.9	451.8	406.0	327.5	343.0
MAX	386	357	378	430	594	506	476	594	767	578	506	391
MIN	314	258	276	281	118	398	378	360	354	318	279	311
AC-FT	21750	19600	20300	20710	24000	27560	25080	27360	26880	24960	20140	20410
CAL	YEAR	2010	TOTAL	139030	MEAN	380.9	MAX	1100	MIN	251.0	AC-FT	275800
WTR	YEAR	2011	TOTAL	140537	MEAN	385.0	MAX	767.0	MIN	118.0	AC-FT	278800

e indicates estimated discharge.

# NIOBRARA RIVER BASIN

## SNAKE RIVER at Doughboy, 06459175

LOCATION.--NE1/4NW1/4 Sec. 2-30-34 W., Cherry County, Lat. 42°36'51", Long. 101°16'38", on left bank 21 feet downstream from centerline of Doughboy bridge, 24 miles southwest of Nenzel.

DRAINAGE AREA.--Approximately 405 square miles, about 26 square miles of contributing drainage area.

GAGE.--Continuous stage recorder. Datum of gage is 3,093.92 ft. above National Geodetic Vertical Datum of 1929. The Datum was lowered two feet from 3,095.92 ft. to current 3,093.92 ft. April 5, 2010; Gage Datum was 3097.92 ft. from October 1, 1988 to May 17, 1994; before October 1, 1988, gage datum was 3,098.92 ft above sea level NGVD 1929.

PERIOD OF RECORD.--1981 - present

REMARKS.--Records published by the USGS up to Oct. 1, 1993. Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 469 cubic feet per second June 18, 2003, gage height 2.08 feet (datum then in use); maximum gage height 5.92 feet, present datum, January 7, 1982, due to backwater from ice; minimum daily discharge 79 cubic feet per second March 12, 1988.

EXTREMES FOR CURRENT YEAR.--Peak discharge 408 cubic feet per second June 26, gage height 3.54 feet; minimum daily discharge 145 cubic feet per second December 24 and estimated January 11 and March 27.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	161	173	153	153e	175e	183	201	152	175	192	164	173
2	159	174	157	153e	185e	182	194	166	174	185	165	166
3	157	173	164	152e	179e	180	191	163	172	180	166	160
4	158	167	161	154e	199e	175	172	163	166	174	169	154
5	161	169	155	159e	207e	189	175	164	168	193	171	155
6	164	173	157	165e	199e	181	175	163	169	196	166	155
7	167	176	160	165e	194	167	178	161	163	196	163	156
8	167	177	158	162	171	148	173	162	157	191	160	154
9	179	174	160	153	169	172	175	163	159	179	165	158
10	187	170	164	146	188	168	178	159	166	173	175	158
11	184	173	155	145e	180	188	172	163	163	172	184	156
12	178	176	148e	158e	195	216	176	195	163	200	178	157
13	172	173	155	167e	216	203	171	206	166	210	165	154
14	169	173	158	174e	209	183	167	191	167	231	164	158
15	170	173	163	176	226	185	156	187	161	233	162	164
16	171	172	161	168	223	202	171	180	167	212	160	164
17	171	171	159	178	211	192	202	174	212	193	160	168
18	172	171	154	179	188	188	224	173	196	179	172	177
19	172	168	155	175	177	184	183	192	177	171	160	174
20	172	167	157	171	181	183	193	220	209	167	158	168
21	174	163	159	172	167	182	225	267	205	164	168	164
22	175	157	150	170	183	179	205	257	202	163	166	164
23	180	156	149	174	196	179	193	219	191	163	162	166
24	193	156	145	179	183	171	189	207	178	164	158	167
25	197	163e	150	172	179	172	186	212	196	166	154	168
26	189	156e	157	166	187	168	177	203	251	169	156	170
27	178	154	153	180	193	145	176	189	247	170	161	169
28	172	158	155	195	187	151	169	179	231	171	155	173
29	174	161	157	199	---	153	170	181	222	166	157	171
30	174	154e	158	194	---	170	162	182	204	167	171	166
31	177	---	155e	168	---	190	---	177	---	170	173	---
TOTAL	5374	5021	4842	5222	5347	5529	5479	5770	5577	5660	5108	4907
MEAN	173.2	167.4	156.2	168.4	191.0	178.4	182.6	186.1	186.0	182.6	164.8	163.6
MAX	197	177	164	199	226	216	225	267	251	233	184	177
MIN	157	154	145	145	167	145	156	152	157	163	154	154
AC-FT	10660	9959	9604	10360	10610	10970	10870	11440	11060	11230	10130	9733
CAL	YEAR	2010	TOTAL	62712	MEAN	171.8	MAX	313.0	MIN	134.0	AC-FT	124400
WTR	YEAR	2011	TOTAL	63836	MEAN	174.9	MAX	267.0	MIN	145.0	AC-FT	126600

e indicates estimated discharge.

# NIOBRARA RIVER BASIN

## MERRITT RESERVOIR from Snake River, 06459300

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

GAGE.--Reference point

PERIOD OF RECORD.--1965 - present

REMARKS.--Values furnished by Ainsworth Irrigation District

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of conservation pool	2,946.0	74,486
Top of dead storage pool	2,875.0	1,614

### STORAGE ( AC-FT ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	48040	60560	61100	60830	61370	61370	61370	66730	66730	67600	55980	49080
2	48450	60830	61100	60560	61100	61100	61640	66440	66730	67600	55260	50550
3	48870	60830	61100	60560	60830	61370	61640	66440	66730	67310	54090	48660
4	49280	60830	61100	60560	61100	61100	61910	66440	66730	67020	53400	48660
5	49700	60830	61100	60830	61100	61370	62190	66440	66440	67020	52720	48870
6	50130	60830	61370	60830	61370	61100	62190	66440	66440	67020	52060	48660
7	50550	60830	61100	60830	61370	61100	62190	66440	66730	67310	52060	48450
8	50980	60830	61100	61100	61370	61100	62740	66440	66730	67310	52060	48040
9	51410	60830	61100	61370	61370	61100	62740	66440	66440	66730	52280	47630
10	52060	61100	61100	61370	61370	61100	63020	66730	66730	66730	52500	47230
11	52500	61100	61100	61370	61370	61100	63300	66730	66730	66150	52720	47030
12	52950	61100	61100	61100	61640	61100	63300	66730	66730	65860	53170	46820
13	53400	61100	61100	61100	61640	61370	63580	66730	66730	66150	53630	46820
14	53860	61100	61100	61370	61640	61640	63580	67020	67020	66730	53860	46820
15	54320	61100	61100	61370	61640	61640	63860	67020	67020	67020	54090	47030
16	54560	61100	61100	61370	61910	61640	64430	67020	67020	67020	54090	47430
17	55030	61100	61100	61370	61910	61640	64710	66730	67310	66730	53860	47630
18	55260	61100	61100	61370	61910	61640	65000	66730	67020	66150	53400	48250
19	55740	61100	61100	61640	61910	61640	65570	66730	67020	65570	52720	48660
20	56230	61100	61100	61640	62190	61910	65860	67310	67600	64710	52060	49280
21	56470	61100	61100	61640	61640	61910	66150	67310	67600	63580	51620	49490
22	56720	61100	61100	61640	61640	61910	66440	67310	67310	62740	50980	49490
23	57210	61100	61100	61640	61370	61640	66730	67310	67020	61910	51410	49700
24	57710	61100	61100	61640	61370	61640	66730	67310	67020	60830	51410	49700
25	58220	61100	61100	61640	61100	61640	66730	67310	67020	60030	51620	49700
26	58480	61100	61100	61640	61100	61640	66730	67020	67020	59250	51410	49920
27	58990	61100	61100	61640	61100	61640	66730	67020	67600	58480	50800	49920
28	59250	61100	61100	61370	61100	61640	66730	67020	67600	57710	50340	50130
29	59770	61100	61100	61640	---	61370	66730	66730	67600	57210	49920	50130
30	60030	61100	61100	61370	---	61640	66730	66730	67600	56960	49490	50130
31	60300	---	60830	61640	---	61370	---	66730	---	56470	49280	---
MEAN	54400	61010	61100	61290	61450	61460	64380	66820	67000	64160	52400	48660
MAX	60300	61100	61370	61640	62190	61910	66730	67310	67600	67600	55980	50550
MIN	48040	60560	60830	60560	60830	61100	61370	66440	66440	56470	49280	46820
CAL	YEAR	2010	TOTAL	21590160	MEAN	59150	MAX	67900	MIN	39290		
WTR	YEAR	2011	TOTAL	22022520	MEAN	60340	MAX	67600	MIN	46820		

# NIOBRARA RIVER BASIN

## AINSWORTH CANAL from Merritt Reservoir, 00001000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66	107	589	443
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74	113	630	311
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75	113	630	196
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75	127	633	195
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	75	174	627	242
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88	227	316	360
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	101	275	233	439
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	101	328	217	469
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100	370	183	463
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90	397	188	371
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90	452	256	369
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90	222	137	303
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90	86	101	242
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96	91	107	155
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18	100	199	190	141
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125	100	290	337	101
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100	84	372	492	101
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68	75	517	591	82
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50	75	596	578	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50	74	609	541	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51	74	609	539	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51	73	612	282	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50	74	618	167	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50	74	622	196	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50	74	624	287	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50	86	608	430	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50	74	593	506	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50	74	541	506	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	50	74	428	486	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	51	85	404	460	0.00
31	0.00	---	0.00	0.00	---	0.00	---	51	---	472	468	---
TOTAL	0	0	0	0	0	0	0	965	2481	11796	11903	4983
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	31.2	82.8	380.5	383.9	166.1
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125	101	624	633	469
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66	86	101	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1914	4921	23400	23610	9884
CAL	YEAR	2010	TOTAL	35464	MEAN	97.2	MAX	619.0	MIN	0.000	AC-FT	70340
WTR	YEAR	2011	TOTAL	32128	MEAN	88.0	MAX	633.0	MIN	0.000	AC-FT	63720

# NIOBRARA RIVER BASIN

## SNAKE RIVER near Burge, 06459500

LOCATION.--NE1/4NE1/4 Sec. 20-31-30 W., Cherry County, Lat. 42° 39' 15", Long. 100° 51' 28", at right bank 150 ft. downstream from Nebraska National Forest boundary, 2.1 miles downstream from Merritt Dam, 6.5 miles southwest of Burge, and 22 miles southwest of Valentine.

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

GAGE.--Continuous stage recorder, datum of gage is 2,805.36 ft. above sea level (levels by the USBR).

PERIOD OF RECORD.--June 1947 - present

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 478 cubic feet per second June 21, gage height 2.41 feet; minimum daily discharge 13 cubic feet per second August 20-28.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	15	131	231	231	290	274	265	307	221	335	58	16
2	15	183	231	231	255	284	204	265	210	322	57	17
3	16	207	230	231	231	284	184	243	203	310	57	17
4	17	209	230	231	230	284	186	244	201	262	57	17
5	17	208	230	230	227	284	186	244	156	169	56	17
6	17	208	253	227	245	283	186	247	130	99	58	17
7	18	209	267	227	259	285	186	246	135	106	40	17
8	18	210	267	227	262	287	188	251	130	106	15	17
9	18	212	267	248	261	288	190	247	129	94	15	17
10	19	212	267	269	261	288	190	252	132	81	15	18
11	19	214	267	270	259	287	190	250	135	70	15	17
12	19	218	267	270	271	287	193	262	143	70	19	18
13	19	216	267	270	281	287	193	274	142	95	14	18
14	19	239	267	268	281	301	195	331	144	127	14	18
15	35	253	266	266	281	310	198	369	145	114	14	19
16	61	254	266	266	310	310	196	316	148	91	14	19
17	62	255	266	266	328	309	197	257	207	87	14	19
18	62	257	266	266	329	310	198	241	235	72	14	19
19	62	258	266	266	330	310	225	266	233	65	14	20
20	61	259	266	266	361	310	247	351	307	62	13	48
21	61	242	264	281	383	310	255	381	440	61	13	209
22	61	230	262	289	382	310	254	380	429	61	13	201
23	62	232	262	289	381	310	290	379	326	60	13	201
24	62	241	264	289	349	311	322	379	281	60	13	202
25	61	247	264	289	302	311	321	370	289	60	13	202
26	61	249	264	289	271	311	323	362	295	60	13	202
27	60	249	264	288	263	311	322	351	356	59	13	202
28	59	249	262	288	261	311	319	336	362	60	13	203
29	59	249	262	287	---	312	317	327	352	60	14	203
30	60	244	265	287	---	312	313	280	343	60	15	203
31	84	---	245	287	---	312	---	254	---	59	16	---
TOTAL	1279	6844	8015	8189	8144	9283	7033	9262	6959	3397	722	2413
MEAN	41.3	228.1	258.6	264.1	290.9	299.4	234.5	298.8	231.9	109.6	23.2	80.5
MAX	84	259	267	289	383	312	323	381	440	335	58	209
MIN	15	131	230	227	227	274	184	241	129	59	13	16
AC-FT	2537	13570	15900	16240	16150	18410	13950	18370	13800	6738	1432	4786
CAL	YEAR	2010	TOTAL	67363	MEAN	184.6	MAX	561.0	MIN	13.0	AC-FT	133600
WTR	YEAR	2011	TOTAL	71540	MEAN	196.0	MAX	440.0	MIN	13.0	AC-FT	141900



# NIOBRARA RIVER BASIN

## KEYA PAHA RIVER near Naper, 06464900

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

DRAINAGE AREA.--1,690 square miles (as revised in 1994 by the USGS).

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

PERIOD OF RECORD.--1957 - present

REMARKS.--Records published by the USGS up to Oct. 1, 1994. Records are good, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 3,000 cubic feet per second June 22, gage height 8.93 feet; minimum daily discharge 56 cubic feet per second estimated February 1, 6, 7, and 8.

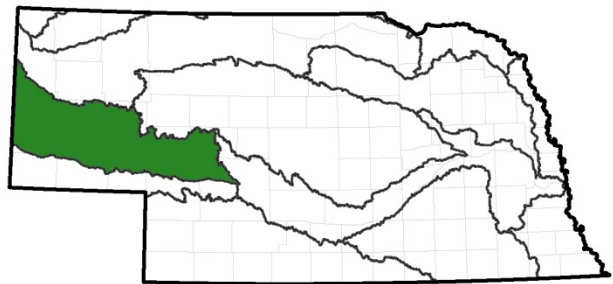
### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	96	113	119e	88e	56e	186e	359	280	468	691	171	116
2	93	107	116e	88e	58e	181e	303	250	395	578	159	117
3	94	102	116e	85e	66e	171e	275	239	342	541	149	112
4	92	96	109e	88e	71e	161e	263	222	299	496	140	109
5	93	89	96e	90e	66e	156e	224	219	267	454	133	106
6	94	88	78e	90e	56e	166e	206	209	241	424	140	104
7	93	87	76e	90e	56e	156e	220	203	212	501	156	104
8	93	88	74e	83e	56e	186e	215	204	192	782	346	99
9	90	89	76e	63e	81e	307e	211	194	183	505	426	93
10	88	88	78e	58e	96e	668e	205	189	178	443	459	88
11	88	85	75e	65e	111e	1250e	211	184	171	356	345	85
12	90	89	81e	79e	116e	1660e	245	330	169	554	597	82
13	87	104	83e	83e	116e	1800e	234	415	228	541	424	81
14	85	109	85e	83e	151e	1750e	221	346	275	506	361	86
15	85	105	85e	85e	247e	1560	317	352	307	438	293	93
16	87	106	88e	88e	327e	1320	292	347	269	360	228	104
17	89	109	89e	88e	337e	995	340	320	325	309	188	108
18	89	105	90e	85e	322e	757	383	288	294	264	210	111
19	91	103	90e	85e	287e	610	456	257	255	225	259	114
20	93	101	92e	79e	267e	561	630	301	336	186	325	106
21	94	94	90e	67e	247e	509	621	567	2060	156	257	99
22	92	98	88e	65e	226e	445	586	650	2700	139	218	102
23	93	64e	85e	72e	216e	372	460	621	1790	122	198	103e
24	116	68e	85e	76e	211e	328	377	672	1550	109	181	97e
25	117	64e	85e	76e	207e	289	303	555	1410	99	163	97e
26	127	68e	88e	92e	207e	278	294	430	1160	92	142	96e
27	119	76e	85e	106e	186e	280	298	605	873	98	120	95e
28	107	88e	88e	113e	191e	286	265	542	674	113	113	95e
29	102	99e	92e	113e	---	272	287	576	575	162	117	101
30	100	116e	95e	104e	---	257	342	579	746	235	125	98
31	110	---	79e	81e	---	326	---	603	---	201	127	---
TOTAL	2987	2798	2756	2608	4634	18243	9643	11749	18944	10680	7270	3001
MEAN	96.4	93.3	88.9	84.1	165.5	588.6	321.3	379.0	631.4	344.5	234.4	100.0
MAX	127	116	119	113	337	1800	630	672	2700	782	597	117
MIN	85	64	74	58	56	156	205	184	169	92	113	81
AC-FT	5925	5550	5466	5173	9191	36180	19130	23300	37570	21180	14420	5952
CAL	YEAR	2010	TOTAL	96689	MEAN	264.9	MAX	2840	MIN	60.0	AC-FT	191800
WTR	YEAR	2011	TOTAL	95313	MEAN	261.1	MAX	2700	MIN	56.0	AC-FT	189100

e indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

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# NORTH PLATTE RIVER BASIN

## FORT LARAMIE CANAL from North Platte River, 00052000

LOCATION.--SW1/4NW1/4 Sec. 11-26-65 W., Wyo.

GAGE.--Continuous stage recorder and parshall flume

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

REMARKS.--Values furnished by the USBR Great Plains Region web page.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.00	0.00	933.00	1512.00	1475.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	613.00	0.00	933.00	1515.00	1475.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	717.00	0.00	931.00	1497.00	1472.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	721.00	0.00	931.00	1494.00	1472.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	724.00	0.00	965.00	1500.00	1462.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	757.00	0.00	973.00	1503.00	1432.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	777.00	0.00	1010.00	1500.00	1423.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	786.00	297.00	1123.00	1500.00	1395.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	781.00	702.00	1217.00	1481.00	1389.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	816.00	707.00	1261.00	1453.00	1332.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	838.00	702.00	1314.00	1466.00	1299.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	833.00	698.00	1383.00	1459.00	1293.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	826.00	698.00	1419.00	1466.00	1267.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	823.00	698.00	1419.00	1469.00	1240.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	823.00	724.00	1432.00	1462.00	1203.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	796.00	726.00	1469.00	1450.00	1146.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	752.00	679.00	1481.00	1459.00	1084.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	752.00	709.00	1506.00	1469.00	1084.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	752.00	724.00	1509.00	1475.00	1084.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	707.00	709.00	1509.00	1472.00	1087.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	672.00	698.00	1509.00	1472.00	1076.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	679.00	698.00	1509.00	1472.00	1070.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	684.00	709.00	1509.00	1472.00	1054.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	679.00	733.00	1506.00	1469.00	1048.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	677.00	698.00	1506.00	1472.00	978.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	679.00	707.00	1506.00	1475.00	495.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	602.00	724.00	1506.00	1481.00	62.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	254.00	764.00	1506.00	1481.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	831.00	1509.00	1475.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	907.00	1515.00	1472.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	1509.00	1472.00	---
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	931.00	1450.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	838.00	907.00	1515.00	1515.00	1475.00
AVG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	633.32	541.40	1332.52	1477.90	1063.23
TOT, KAF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	38.941	32.216	81.933	90.873	63.267
TOT, CFS	0.	0.	0.	0.	0.	0.	0.	19633.	16242.	41308.	45815.	31897.

# NORTH PLATTE RIVER BASIN

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

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

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

PERIOD OF RECORD.--1981 - present

REMARKS.--Values furnished by the USBR Great Plains Region web page.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	366.00	601.00	617.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	359.00	588.00	612.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	361.00	592.00	614.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.00	0.00	355.00	590.00	617.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	368.00	0.00	359.00	590.00	617.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	398.00	0.00	379.00	592.00	619.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	366.00	0.00	398.00	596.00	621.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	410.00	0.00	410.00	599.00	617.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	392.00	0.00	423.00	583.00	617.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	404.00	0.00	483.00	564.00	617.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	398.00	69.00	500.00	583.00	614.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	402.00	157.00	531.00	590.00	574.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	391.00	260.00	555.00	599.00	548.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	394.00	359.00	594.00	601.00	546.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	400.00	348.00	608.00	603.00	548.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	396.00	364.00	614.00	605.00	557.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	408.00	321.00	605.00	605.00	533.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	402.00	330.00	603.00	599.00	489.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	417.00	389.00	608.00	590.00	453.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	404.00	364.00	608.00	601.00	445.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	404.00	357.00	601.00	610.00	449.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	398.00	355.00	601.00	612.00	449.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	383.00	357.00	596.00	605.00	433.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	396.00	361.00	601.00	601.00	400.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	392.00	361.00	610.00	599.00	385.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	364.00	355.00	614.00	610.00	376.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	341.00	357.00	608.00	612.00	133.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	334.00	353.00	596.00	608.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	295.00	353.00	599.00	612.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	185.00	364.00	599.00	610.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	20.00	---	603.00	614.00	---
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	355.00	564.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	417.00	389.00	614.00	614.00	621.00
AVG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	319.55	217.80	527.32	598.84	470.00
TOT, KAF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	19.648	12.960	32.424	36.821	27.967
TOT, CFS	0.	0.	0.	0.	0.	0.	0.	9906.	6534.	16347.	18564.	14100.

# NORTH PLATTE RIVER BASIN

## INTERSTATE CANAL from North Platte River, 00071000

LOCATION.--SW1/4 Sec. 12-26-65 W., Wyo.

GAGE.--Continuous stage recorder and concrete siphon

PERIOD OF RECORD.--1915 - present

REMARKS.--Values furnished by the USBR Great Plains Region web page.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	420.00	918.00	0.00	1314.00	1982.00	1717.00
2	0.00	0.00	0.00	0.00	0.00	0.00	433.00	921.00	0.00	1305.00	2007.00	1696.00
3	0.00	0.00	0.00	0.00	0.00	0.00	431.00	921.00	0.00	1327.00	2007.00	1696.00
4	0.00	0.00	0.00	0.00	0.00	0.00	429.00	921.00	0.00	1426.00	2004.00	1696.00
5	0.00	0.00	0.00	0.00	0.00	0.00	431.00	921.00	0.00	1497.00	2001.00	1699.00
6	0.00	0.00	0.00	0.00	0.00	0.00	433.00	923.00	0.00	1523.00	1991.00	1668.00
7	0.00	0.00	0.00	0.00	0.00	0.00	415.00	926.00	0.00	1600.00	1991.00	1653.00
8	0.00	0.00	0.00	0.00	0.00	0.00	402.00	926.00	0.00	1615.00	1995.00	1653.00
9	0.00	0.00	0.00	0.00	0.00	0.00	402.00	977.00	0.00	1650.00	1975.00	1653.00
10	0.00	0.00	0.00	0.00	0.00	0.00	399.00	1067.00	0.00	1708.00	1934.00	1629.00
11	0.00	0.00	0.00	0.00	0.00	0.00	400.00	1129.00	0.00	1750.00	1931.00	1606.00
12	0.00	0.00	0.00	0.00	0.00	0.00	399.00	1147.00	0.00	1790.00	1912.00	1606.00
13	0.00	0.00	0.00	0.00	0.00	0.00	397.00	1106.00	0.00	1790.00	1840.00	1606.00
14	0.00	0.00	0.00	0.00	0.00	0.00	425.00	1103.00	1.00	1806.00	1809.00	1573.00
15	0.00	0.00	0.00	0.00	0.00	0.00	704.00	1103.00	1.00	1840.00	1806.00	1544.00
16	0.00	0.00	0.00	0.00	0.00	0.00	885.00	1106.00	1.00	1837.00	1803.00	1500.00
17	0.00	0.00	0.00	0.00	0.00	0.00	887.00	1106.00	1.00	1834.00	1800.00	1463.00
18	0.00	0.00	0.00	0.00	0.00	0.00	887.00	1103.00	1.00	1849.00	1803.00	1434.00
19	0.00	0.00	0.00	0.00	0.00	0.00	882.00	1095.00	1.00	1887.00	1806.00	1411.00
20	0.00	0.00	0.00	0.00	0.00	0.00	891.00	1049.00	1.00	1878.00	1809.00	1411.00
21	0.00	0.00	0.00	0.00	0.00	0.00	899.00	1052.00	1.00	1893.00	1812.00	1369.00
22	0.00	0.00	0.00	0.00	0.00	0.00	901.00	1052.00	1.00	1941.00	1797.00	1300.00
23	0.00	0.00	0.00	0.00	0.00	0.00	906.00	1052.00	12.00	1937.00	1769.00	1256.00
24	0.00	0.00	0.00	0.00	0.00	0.00	904.00	1052.00	800.00	1947.00	1769.00	1259.00
25	0.00	0.00	0.00	0.00	0.00	0.00	909.00	676.00	918.00	1956.00	1781.00	1262.00
26	0.00	0.00	0.00	0.00	0.00	0.00	913.00	18.00	921.00	1956.00	1784.00	1119.00
27	0.00	0.00	0.00	0.00	0.00	0.00	911.00	0.00	921.00	1950.00	1784.00	519.00
28	0.00	0.00	0.00	0.00	0.00	0.00	913.00	0.00	999.00	1963.00	1793.00	19.00
29	0.00	0.00	0.00	0.00	---	0.00	913.00	0.00	1145.00	1975.00	1793.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	916.00	0.00	1248.00	1969.00	1766.00	0.00
31	0.00	---	0.00	0.00	---	115.00	---	0.00	---	1963.00	1744.00	---
MIN	0.00	0.00	0.00	0.00	0.00	0.00	397.00	0.00	0.00	1305.00	1744.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	115.00	916.00	1147.00	1248.00	1975.00	2007.00	1717.00
AVG	0.00	0.00	0.00	0.00	0.00	3.71	667.90	818.39	232.43	1763.74	1864.45	1333.90
TOT, KAF	0.000	0.000	0.000	0.000	0.000	0.228	39.743	50.321	13.831	108.448	114.641	79.373
TOT, CFS	0.	0.	0.	0.	0.	115.	20037.	25370.	6973.	54676.	57798.	40017.

# NORTH PLATTE RIVER BASIN

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## LAKE ALICE RESERVOIR from North Platte, 00400300

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

GAGE.--Reference point

PERIOD OF RECORD.--1977 - present

REMARKS.--Values furnished by the USBR Great Plains Region web page.

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

### STORAGE ( AC-FT ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1861	1302	896	763	763	763	763	5415	5748	5691	2640	3642
2	1848	1279	893	763	763	763	763	5384	5805	5882	2370	3631
3	1796	1310	890	763	763	763	763	5483	5716	6140	2174	3614
4	1800	1236	900	763	763	763	763	5396	5415	6440	2078	3713
5	1770	1236	876	763	763	763	763	5211	5427	6486	2074	3763
6	1740	1263	842	763	763	763	763	5125	5353	6552	2020	3774
7	1783	1206	842	763	763	763	779	5016	5409	6823	2007	3741
8	1736	1206	828	763	763	763	1040	5095	5217	6970	2011	3636
9	1719	1209	812	763	763	763	1299	4835	5272	7077	2047	3500
10	1736	1175	808	763	763	763	1580	4775	5211	7077	2015	3440
11	1672	1190	789	763	763	763	1826	4497	5254	7003	1993	3473
12	1618	1202	779	763	763	763	2024	4574	5046	6983	1998	3440
13	1580	1164	776	763	763	763	2216	4710	5010	7003	2142	3117
14	1568	1171	763	763	763	763	2547	4650	5040	6963	2230	3164
15	1555	1171	763	763	763	763	2538	4615	4883	6857	2248	3149
16	1547	1256	763	763	763	763	2577	4847	4985	6744	2299	3081
17	1498	1221	763	763	763	763	2952	4817	4985	6658	2346	3008
18	1519	1209	763	763	763	763	3424	4692	4877	6473	2475	2952
19	1555	1074	763	763	763	763	3863	4811	4811	6277	2509	2967
20	1490	1260	763	763	763	763	4185	5052	4793	6036	2962	2695
21	1453	1291	763	763	763	763	4317	5223	4715	5742	2794	2724
22	1445	1115	763	763	763	763	4603	5034	4704	5440	2890	2729
23	1433	1051	763	763	763	763	4562	5242	4633	5143	3101	2754
24	1486	1089	763	763	763	763	4704	5446	4445	4901	3237	2690
25	1466	1033	763	763	763	763	4931	5477	4185	4633	3269	2635
26	1429	1070	763	763	763	763	5064	5767	4283	4369	3435	2601
27	1417	975	763	763	763	763	5254	5818	4674	4054	3473	2552
28	1385	953	763	763	763	763	5378	5940	4961	3763	3505	2295
29	1361	960	763	763		763	5396	5850	5242	3446	3669	2437
30	1385	942	763	763		763	5534	5914	5477	3185	3647	2533
31	1358		763	763		763		5716		2911	3947	
MIN	1358	942	763	763	763	763	763	4497	4185	2911	1993	2295
MAX	1861	1310	900	763	763	763	5534	5940	5805	7077	3947	3774
AVG	1581	1161	796	763	763	763	2906	5175	5053	5797	2632	3115

# NORTH PLATTE RIVER BASIN

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

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

GAGE.--Slope gage

PERIOD OF RECORD.--1992 - present

REMARKS.--Values furnished by the USBR Great Plains Region web page.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of conservation pool	4,140	1,605
Top of dead storage pool	4,127	0

### STORAGE ( AC-FT ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	129	129	128	128	128	128	128	359	264	369	336	369
2	129	129	128	128	128	129	128	357	272	373	337	367
3	129	132	128	128	128	128	128	359	274	373	345	367
4	129	129	129	128	128	128	128	357	276	373	349	368
5	129	129	128	128	128	128	128	326	282	367	350	369
6	129	129	128	128	128	128	128	321	286	362	350	367
7	129	129	129	129	128	128	128	294	286	378	350	366
8	129	129	128	129	128	128	128	289	289	373	350	364
9	129	129	129	128	128	128	128	286	294	372	350	361
10	129	129	128	128	128	128	128	284	297	372	350	361
11	129	129	128	128	128	128	128	283	302	371	351	362
12	129	129	128	128	128	128	128	281	306	353	351	359
13	129	129	128	128	128	128	128	282	309	350	353	357
14	134	129	128	128	128	128	128	282	308	349	354	357
15	135	129	129	128	128	128	212	283	309	346	355	359
16	131	130	128	128	128	128	240	284	324	347	357	344
17	134	129	128	128	129	128	245	288	325	346	358	341
18	131	129	128	129	128	128	325	286	328	346	358	341
19	129	129	128	128	129	128	343	287	336	347	358	339
20	129	129	128	128	128	128	350	288	335	345	359	339
21	129	129	128	128	128	128	349	290	333	349	361	341
22	129	129	129	128	129	128	345	267	334	345	361	369
23	129	129	128	129	129	128	347	265	335	343	362	374
24	130	128	128	128	128	128	351	226	380	342	364	372
25	133	128	128	128	128	128	354	216	361	341	365	369
26	131	129	129	128	128	128	352	219	358	338	365	368
27	131	129	128	128	128	128	354	225	360	336	367	367
28	129	128	129	128	128	128	357	234	365	341	371	316
29	129	128	129	129		128	353	245	367	339	369	298
30	129	128	128	129		128	367	253	367	337	368	312
31	129		128	128		128		259		338	367	
MIN	129	128	128	128	128	128	128	216	264	336	336	298
MAX	135	132	129	129	129	129	367	359	380	378	371	374
AVG	130	129	128	128	128	128	235	283	319	354	356	355

# NORTH PLATTE RIVER BASIN

## LAKE MINATARE RESERVOIR from North Platte, 00406300

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

GAGE.--Staff gage

PERIOD OF RECORD.--1977 - present

REMARKS.--Values furnished by the USBR Great Plains Region web page.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of conservation pool	4,125.0	60,770
Top of dead storage pool	4,075.0	300

### STORAGE ( AC-FT ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	31022.	30425.	29965.	29736.	29491.	29215.	28907.	42038.	54550.	51979.	40520.	23824.
2	30988.	30409.	29949.	29719.	29475.	29215.	28891.	42920.	54529.	51958.	39952.	23457.
3	30955.	30392.	29965.	29703.	29458.	29198.	28907.	43830.	54445.	51897.	39297.	23209.
4	30922.	30343.	29899.	29703.	29442.	29198.	28858.	44749.	54466.	51979.	38699.	22919.
5	30939.	30343.	29899.	29687.	29442.	29182.	28842.	45619.	54382.	51835.	38123.	22688.
6	30955.	30327.	29883.	29670.	29426.	29198.	28826.	46398.	54382.	51610.	37514.	22459.
7	30939.	30327.	29883.	29654.	29458.	29198.	28810.	47164.	54257.	51487.	36891.	22459.
8	30955.	30310.	29867.	29638.	29458.	29215.	28794.	47798.	54173.	51344.	36466.	22230.
9	30905.	30294.	29867.	29638.	29442.	29198.	28778.	48155.	54278.	51201.	35814.	22173.
10	30856.	30261.	29867.	29638.	29426.	29198.	28745.	48555.	54132.	50875.	35113.	22074.
11	30856.	30294.	29834.	29621.	29393.	29166.	28729.	49015.	54194.	50549.	34626.	22088.
12	30839.	30277.	29818.	29605.	29393.	29166.	28762.	49518.	54132.	50225.	34055.	22145.
13	30806.	30261.	29818.	29589.	29377.	29182.	28697.	49901.	54111.	49942.	33556.	22188.
14	30773.	30244.	29818.	29589.	29361.	29166.	28729.	50265.	54090.	49578.	33094.	22230.
15	30789.	30244.	29834.	29589.	29361.	29166.	28713.	50671.	53861.	49136.	32533.	22344.
16	30756.	30277.	29818.	29573.	29345.	29150.	29069.	51017.	53965.	48755.	32059.	22717.
17	30706.	30228.	29801.	29573.	29328.	29117.	29475.	51467.	53736.	48315.	31472.	23413.
18	30706.	30211.	29785.	29573.	29312.	29101.	30162.	51835.	53549.	47877.	30922.	24612.
19	30690.	30195.	29769.	29589.	29312.	29101.	30922.	52370.	53466.	47441.	30277.	24478.
20	30640.	30178.	29769.	29589.	29312.	29085.	31690.	52762.	53341.	46967.	29719.	24868.
21	30640.	30162.	29769.	29573.	29296.	29053.	32583.	53237.	53072.	46516.	29296.	25338.
22	30657.	30146.	29769.	29573.	29280.	29053.	33539.	53611.	52741.	45969.	28697.	25997.
23	30657.	30129.	29736.	29556.	29280.	29036.	34470.	54027.	52555.	45444.	28055.	27009.
24	30657.	30096.	29719.	29540.	29296.	28988.	35428.	54382.	52514.	44922.	27610.	27388.
25	30640.	30063.	29719.	29524.	29280.	28988.	36413.	54487.	52370.	44422.	26994.	27960.
26	30574.	30031.	29719.	29524.	29263.	28972.	37478.	54633.	52349.	43983.	26446.	28778.
27	30525.	30031.	29703.	29507.	29247.	28972.	38483.	54738.	52308.	43412.	26120.	29410.
28	30508.	30047.	29687.	29507.	29231.	28955.	39460.	54675.	52226.	42788.	25505.	30458.
29	30475.	29998.	29687.	29491.	---	28939.	40337.	54654.	52226.	42207.	24959.	31005.
30	30458.	29965.	29719.	29491.	---	28923.	41165.	54675.	52184.	41889.	24959.	30889.
31	30458.	---	29752.	29524.	---	28907.	---	54592.	---	41109.	24165.	---
MIN	30458.	29965.	29687.	29491.	29231.	28907.	28697.	42038.	52184.	41109.	24165.	22074.
MAX	31022.	30425.	29965.	29736.	29491.	29215.	41165.	54738.	54550.	51979.	40520.	31005.
AVG	30750.	30217.	29809.	29596.	29364.	29103.	31755.	50444.	53553.	47987.	32049.	24760.



# NORTH PLATTE RIVER BASIN

## WINTERS CREEK RESERVOIR, 00412000

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

GAGE.--Reference point

PERIOD OF RECORD.--1992 - present

REMARKS.--Values furnished by the USBR Great Plains Region web page.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of conservation pool	4,130	3,474
Top of dead storage pool		

### STORAGE ( AC-FT ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	979.	952.	893.	816.	724.	630.	534.	668.	1286.	1157.	966.	835.
2	979.	950.	893.	812.	720.	628.	530.	744.	1283.	1159.	959.	833.
3	977.	948.	888.	808.	716.	624.	523.	814.	1281.	1152.	955.	829.
4	977.	946.	884.	805.	712.	622.	522.	884.	1271.	1145.	948.	829.
5	979.	943.	884.	801.	710.	618.	516.	955.	1268.	1143.	948.	824.
6	979.	941.	880.	797.	706.	620.	513.	1020.	1263.	1135.	939.	826.
7	977.	939.	878.	793.	706.	615.	508.	1085.	1251.	1131.	935.	829.
8	982.	939.	875.	791.	704.	613.	504.	1145.	1243.	1126.	930.	829.
9	986.	937.	873.	787.	700.	611.	501.	1211.	1246.	1119.	926.	831.
10	982.	935.	869.	785.	694.	607.	496.	1233.	1238.	1107.	921.	831.
11	982.	937.	867.	781.	692.	605.	492.	1238.	1236.	1100.	917.	835.
12	982.	937.	863.	776.	688.	602.	490.	1258.	1231.	1092.	912.	839.
13	979.	935.	860.	774.	684.	602.	484.	1253.	1228.	1100.	906.	845.
14	977.	932.	858.	770.	682.	598.	480.	1246.	1216.	1095.	899.	852.
15	977.	930.	860.	768.	678.	596.	475.	1241.	1211.	1090.	895.	863.
16	975.	932.	856.	766.	676.	592.	474.	1231.	1233.	1085.	891.	869.
17	973.	930.	854.	766.	672.	587.	472.	1246.	1228.	1081.	886.	875.
18	970.	928.	852.	764.	668.	585.	487.	1241.	1223.	1076.	880.	884.
19	970.	926.	848.	764.	664.	579.	487.	1261.	1228.	1071.	875.	893.
20	968.	923.	845.	762.	661.	577.	489.	1281.	1226.	1062.	871.	895.
21	966.	923.	843.	758.	659.	572.	496.	1291.	1216.	1050.	867.	904.
22	968.	919.	839.	754.	655.	568.	492.	1296.	1211.	1039.	863.	910.
23	973.	919.	837.	750.	651.	565.	484.	1288.	1206.	1029.	854.	919.
24	970.	915.	835.	748.	649.	561.	484.	1296.	1201.	1020.	850.	926.
25	966.	912.	831.	744.	645.	559.	485.	1293.	1201.	1018.	848.	935.
26	964.	908.	829.	740.	641.	554.	496.	1286.	1196.	1009.	848.	941.
27	959.	908.	822.	738.	637.	552.	501.	1281.	1189.	1004.	843.	948.
28	957.	904.	820.	734.	634.	546.	499.	1278.	1179.	995.	839.	955.
29	957.	899.	816.	732.	---	543.	534.	1286.	1169.	988.	841.	959.
30	955.	897.	818.	728.	---	537.	596.	1286.	1164.	982.	837.	966.
31	952.	---	820.	728.	---	536.	---	1288.	---	973.	837.	---
MIN	952.	897.	816.	728.	634.	536.	472.	668.	1164.	973.	837.	824.
MAX	986.	952.	893.	816.	724.	630.	596.	1296.	1286.	1159.	966.	966.
AVG	972.	928.	855.	769.	680.	587.	501.	1175.	1227.	1075.	893.	877.

# NORTH PLATTE RIVER BASIN

## MITCHELL & GERING CANAL from North Platte River, 00101100

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

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

PERIOD OF RECORD.--1916 - present

REMARKS.--Values shown here are the total headgate diversions for Mitchell and Gering District lands. Values published before 1985 for this diversion site did not include the delivery and carriage losses charged to the Gering Irrigation District.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	201	201	355	349
2	0.00	---	---	---	---	---	0.00	98	202	205	361	350
3	0.00	---	---	---	---	---	0.00	141	206	202	374	349
4	0.00	---	---	---	---	---	0.00	188	207	200	376	348
5	0.00	---	---	---	---	---	0.00	199	210	199	374	343
6	0.00	---	---	---	---	---	0.00	200	212	199	375	314
7	0.00	---	---	---	---	---	0.00	199	205	199	376	312
8	0.00	---	---	---	---	---	0.00	197	200	250	375	310
9	0.00	---	---	---	---	0.00	0.00	198	203	270	375	295
10	0.00	---	---	---	---	0.00	0.00	199	197	271	376	295
11	0.00	---	---	---	---	0.00	0.00	201	206	271	373	295
12	0.00	---	---	---	---	0.00	0.00	200	210	332	376	295
13	0.00	---	---	---	---	0.00	0.00	197	205	355	376	294
14	0.00	---	---	---	---	0.00	0.00	199	199	350	376	284
15	0.00	---	---	---	---	0.00	0.00	200	199	350	376	254
16	0.00	---	---	---	---	0.00	0.00	201	199	349	374	253
17	0.00	---	---	---	---	0.00	0.00	201	198	350	376	253
18	0.00	---	---	---	---	0.00	0.00	200	196	352	377	253
19	---	---	---	---	---	0.00	0.00	202	206	354	376	252
20	---	---	---	---	---	0.00	0.00	200	201	352	374	252
21	---	---	---	---	---	0.00	0.00	198	198	351	376	252
22	---	---	---	---	---	0.00	0.00	197	199	352	376	253
23	---	---	---	---	---	0.00	0.00	200	202	352	376	253
24	---	---	---	---	---	0.00	0.00	203	199	351	374	242
25	---	---	---	---	---	0.00	0.00	204	199	352	354	228
26	---	---	---	---	---	0.00	0.00	199	200	356	348	230
27	---	---	---	---	---	0.00	0.00	201	201	356	351	233
28	---	---	---	---	---	0.00	0.00	201	200	354	353	228
29	---	---	---	---	---	0.00	0.00	201	205	354	351	116
30	---	---	---	---	---	0.00	0.00	203	203	354	353	0.82
31	---	---	---	---	---	0.00	---	201	---	355	352	---
TOTAL	0	0	0	0	0	0	0	5828	6068	9498	11435	7985.82
MEAN	0.000	---	---	---	---	0.000	0.000	188.1	202.2	306.4	368.9	266.2
MAX	0.00	---	---	---	---	0.00	0.00	204	212	356	377	350
MIN	0.00	---	---	---	---	0.00	0.00	0.00	196	199	348	0.82
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11560	12040	18840	22680	15840
CAL	YEAR	2010	TOTAL	35026	MEAN	187.3	MAX	351.0	MIN	0.000	AC-FT	69470
WTR	YEAR	2011	TOTAL	40815	MEAN	182.2	MAX	377.0	MIN	0.000	AC-FT	80960

# NORTH PLATTE RIVER BASIN

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

LOCATION.--SW1/4NW1/4 Sec. 28-22-55 W. near Gering

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

PERIOD OF RECORD.--1916 - present

REMARKS.--Values published before 1985 were adjusted to include carriage losses between the Mitchell & Gering canal and Gering canal flumes.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	30	---	---	---	---	---	---	0.00	68	88	163	172
2	30	---	---	---	---	---	---	0.00	67	99	160	172
3	30	---	---	---	---	---	---	0.00	65	85	164	175
4	30	---	---	---	---	---	---	0.00	66	55	169	176
5	30	---	---	---	---	---	---	73	65	87	169	182
6	30	---	---	---	---	---	---	86	63	93	167	174
7	---	---	---	---	---	---	---	87	60	111	166	146
8	---	---	---	---	---	---	---	86	49	120	169	146
9	---	---	---	---	---	---	---	85	50	129	175	142
10	---	---	---	---	---	---	---	73	51	141	178	137
11	---	---	---	---	---	---	---	73	49	144	180	137
12	---	---	---	---	---	---	---	90	55	149	184	135
13	---	---	---	---	---	---	---	77	54	164	183	136
14	---	---	---	---	---	---	---	76	55	162	184	140
15	---	---	---	---	---	---	---	87	76	162	187	135
16	---	---	---	---	---	---	---	85	149	162	179	137
17	---	---	---	---	---	---	---	88	75	164	176	129
18	---	---	---	---	---	---	---	94	21	159	179	127
19	---	---	---	---	---	---	0.00	87	62	158	182	128
20	---	---	---	---	---	---	0.00	66	54	163	181	121
21	---	---	---	---	---	---	0.00	64	37	173	183	120
22	---	---	---	---	---	---	0.00	65	62	177	180	111
23	---	---	---	---	---	---	0.00	64	64	179	176	110
24	---	---	---	---	---	---	0.00	105	66	176	176	110
25	---	---	---	---	---	---	0.00	69	110	176	176	106
26	---	---	---	---	---	---	0.00	28	57	176	178	102
27	---	---	---	---	---	---	0.00	53	56	173	176	99
28	---	---	---	---	---	---	0.00	83	55	170	174	93
29	---	---	---	---	---	---	0.00	78	64	168	178	95
30	---	---	---	---	---	---	0.00	79	90	166	168	30
31	---	---	---	---	---	---	---	73	---	163	170	---
TOTAL	180	0	0	0	0	0	0	2074	1915	4492	5430	3923
MEAN	29.8	---	---	---	---	---	0.000	67.0	63.8	145.0	175.2	130.8
MAX	30	---	---	---	---	---	0.00	105	149	179	187	182
MIN	30	---	---	---	---	---	0.00	0.00	21	55	160	30
AC-FT	357	0.00	0.00	0.00	0.00	0.00	0.00	4114	3798	8910	10770	7781
CAL	YEAR	2010	TOTAL	16490	MEAN	93.7	MAX	188.0	MIN	0.000	AC-FT	32710
WTR	YEAR	2011	TOTAL	18014	MEAN	105.3	MAX	187.0	MIN	0.000	AC-FT	35730

# NORTH PLATTE RIVER BASIN

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

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. These values are for accounting purposes only. Actual flow values can be obtained from the USBR Great Plains Region web page. Deliveries to Northport District are shown separately in this report. Values published before 1985 for this diversion site did not include the delivery and carriage losses charged to Northport Irrigation District.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	346	---	---	---	---	0.00	0.00	275	300	750	1280	1120
2	290	---	---	---	---	0.00	0.00	267	300	850	1280	1120
3	290	---	---	---	---	0.00	0.00	281	300	850	1280	1120
4	250	---	---	---	---	0.00	0.00	289	300	850	1280	1120
5	246	---	---	---	---	0.00	111	292	300	850	1280	1120
6	239	---	---	---	---	0.00	457	284	300	850	1280	1120
7	231	---	---	---	---	0.00	461	257	500	1000	1280	1000
8	228	---	---	---	---	0.00	0.00	267	500	1000	1280	1000
9	224	---	---	---	---	0.00	0.00	274	500	1000	1280	920
10	225	---	---	---	---	0.00	0.00	265	500	1200	1280	920
11	217	---	---	---	---	0.00	375	290	500	1200	1350	920
12	192	---	---	---	---	0.00	356	500	500	1200	1350	920
13	0.00	---	---	---	---	0.00	353	500	500	1200	1350	840
14	0.00	---	---	---	---	0.00	355	300	650	1200	1350	790
15	---	---	---	---	---	0.00	351	300	650	1200	1350	790
16	---	---	---	---	---	0.00	352	500	650	1200	1350	700
17	---	---	---	---	---	0.00	352	500	650	1200	1350	700
18	---	---	---	---	---	0.00	373	500	650	1200	1350	600
19	---	---	---	---	---	0.00	339	500	650	1200	1350	600
20	---	---	---	---	---	0.00	289	500	650	1200	1350	600
21	---	---	---	---	---	0.00	291	500	650	1200	1350	600
22	---	---	---	---	---	0.00	291	500	650	1200	1350	600
23	---	---	---	---	---	0.00	286	500	650	1200	1350	600
24	---	---	---	---	---	0.00	287	500	650	1200	1350	600
25	---	---	---	---	---	0.00	288	500	650	1200	1350	600
26	---	---	---	---	---	0.00	285	500	750	1200	1350	600
27	---	---	---	---	---	0.00	274	300	750	1200	1350	600
28	---	---	---	---	---	0.00	274	300	750	1200	1350	210
29	---	---	---	---	---	0.00	276	300	750	1200	1350	0.00
30	---	---	---	---	---	0.00	268	300	750	1280	1180	0.00
31	---	---	---	---	---	0.00	---	300	---	1280	1180	---
TOTAL	2978	0	0	0	0	0	7344	11641	16850	34560	40810	22430
MEAN	212.7	---	---	---	---	0.000	244.8	375.5	561.7	1115	1315	747.7
MAX	346	---	---	---	---	0.00	461	500	750	1280	1350	1120
MIN	0.00	---	---	---	---	0.00	0.00	257	300	750	1180	0.00
AC-FT	5907	0.00	0.00	0.00	0.00	0.00	14570	23090	33420	68550	80950	44490
CAL	YEAR	2010	TOTAL	132974	MEAN	463.3	MAX	1300	MIN	0.000	AC-FT	263800
WTR	YEAR	2011	TOTAL	136613	MEAN	599.2	MAX	1350	MIN	0.000	AC-FT	271000

REMARKS.--Values provided by the USBR Great Plains Region web page. Data before 1986 available from the USBR.

## DISCHARGE ( CFS ), WATER YEAR 2011

[illegible]

# NORTH PLATTE RIVER BASIN

## TRI-STATE CANAL from Akers Draw, 00144500

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 USBR Great Plains Region web page. Data before 1986 available from the USBR.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	6.00	10.00	11.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	6.00	10.00	11.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	6.00	10.00	11.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	6.00	9.00	9.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	6.00	9.00	11.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	6.00	9.00	11.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	6.00	6.00	9.00	12.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	6.00	10.00	12.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	6.00	11.00	13.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	6.00	7.00	11.00	14.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	6.00	8.00	9.00	15.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	6.00	6.00	12.00	15.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	7.00	10.00	10.00	16.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	7.00	6.00	9.00	17.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	7.00	9.00	9.00	18.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	7.00	8.00	10.00	9.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	7.00	9.00	11.00	7.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	7.00	0.00	13.00	7.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	7.00	10.00	12.00	7.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	8.00	14.00	7.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	5.00	12.00	7.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	6.00	12.00	7.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	7.00	7.00	11.00	7.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00	7.00	8.00	11.00	7.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	7.00	8.00	11.00	7.00
26	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	7.00	8.00	12.00	7.00
27	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	6.00	9.00	12.00	7.00
28	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	7.00	10.00	13.00	7.00
29	0.00	0.00	0.00	0.00	---	0.00	6.00	6.00	7.00	10.00	15.00	7.00
30	0.00	0.00	0.00	0.00	---	0.00	6.00	6.00	7.00	9.00	14.00	7.00
31	0.00	---	0.00	0.00	---	0.00	---	6.00	---	11.00	9.00	---
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	0.00	9.00	7.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	6.00	7.00	7.00	11.00	15.00	18.00
AVG	0.00	0.00	0.00	0.00	0.00	0.00	1.00	6.19	6.47	7.29	10.94	10.10
TOT, KAF	0.000	0.000	0.000	0.000	0.000	0.000	0.060	0.381	0.385	0.448	0.672	0.601
TOT, CFS	0.	0.	0.	0.	0.	0.	30.	192.	194.	226.	339.	303.

REMARKS.--Values provided by the USBR Great Plains Region web page. Data before 1986 available from the USBR.

**DISCHARGE ( CFS ), WATER YEAR 2011**

[illegible]

# NORTH PLATTE RIVER BASIN

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

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1986 - present

REMARKS.--Values provided by the USBR Great Plains Region web page. Data before 1986 available from the USBR.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	12.00	9.00	9.00	11.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	12.00	8.00	9.00	11.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	11.00	8.00	8.00	11.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.00	11.00	7.00	8.00	12.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.00	11.00	16.00	9.00	14.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.00	11.00	13.00	9.00	16.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.00	10.00	9.00	10.00	17.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	9.00	7.00	10.00	17.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	9.00	6.00	10.00	17.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.00	11.00	6.00	11.00	17.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.00	11.00	6.00	11.00	17.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.00	12.00	6.00	13.00	17.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.00	12.00	6.00	11.00	17.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.00	12.00	8.00	11.00	17.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	12.00	8.00	11.00	19.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.00	14.00	7.00	11.00	21.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.00	40.00	6.00	11.00	24.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.00	27.00	6.00	11.00	25.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.00	25.00	6.00	11.00	26.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.00	33.00	6.00	11.00	24.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.00	27.00	6.00	11.00	13.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.00	21.00	6.00	11.00	14.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.00	19.00	6.00	11.00	16.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	16.00	6.00	11.00	16.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.00	15.00	6.00	10.00	16.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.00	14.00	7.00	8.00	16.00
27	0.00	0.00	0.00	0.00	0.00	0.00	13.00	12.00	13.00	7.00	8.00	16.00
28	0.00	0.00	0.00	0.00	0.00	0.00	13.00	11.00	11.00	7.00	8.00	16.00
29	0.00	0.00	0.00	0.00	---	0.00	13.00	12.00	10.00	8.00	8.00	15.00
30	0.00	0.00	0.00	0.00	---	0.00	13.00	13.00	9.00	8.00	9.00	15.00
31	0.00	---	0.00	0.00	---	0.00	---	13.00	---	8.00	9.00	---
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	9.00	6.00	8.00	11.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	13.00	43.00	40.00	16.00	13.00	26.00
AVG	0.00	0.00	0.00	0.00	0.00	0.00	1.73	18.68	15.33	7.39	9.97	16.77
TOT, KAF	0.000	0.000	0.000	0.000	0.000	0.000	0.103	1.148	0.912	0.454	0.613	0.998
TOT, CFS	0.	0.	0.	0.	0.	0.	52.	579.	460.	229.	309.	503.



# NORTH PLATTE RIVER BASIN

## TRI-STATE CANAL from Tub Springs, 00144800

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1986 - present

REMARKS.--Values provided by the USBR Great Plains Region web page. Data before 1986 available from the USBR.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	13.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	49.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.00	20.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.00	20.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.00	20.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.00	20.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.00	20.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.00	20.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	20.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	20.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.00	21.00	20.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.00	21.00	20.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.00	21.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.00	21.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.00	21.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	31.00	23.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	31.00	23.00	10.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	31.00	23.00	---
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.00	56.00	20.00
AVG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.06	26.00	7.43
TOT, KAF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.496	1.599	0.442
TOT, CFS	0.	0.	0.	0.	0.	0.	0.	0.	0.	250.	806.	223.

# NORTH PLATTE RIVER BASIN

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

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

GAGE.--Continuous stage recorder and 12 ft. Parshall flume with modified rating

PERIOD OF RECORD.--1920, 1922 - present

REMARKS.--Published record before 1985 was for Northport Canal from North Platte River. Values published were adjusted to include carriage losses and contributions from drains between the Tri-State diversion from the North Platte River and the Northport Canal gage.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	135	---	---	---	---	---	0.00	0.00	129	223	263	272
2	133	---	---	---	---	---	0.00	0.00	128	213	265	270
3	129	---	---	---	---	---	0.00	0.00	127	236	267	268
4	138	---	---	---	---	---	0.00	0.00	126	259	270	266
5	132	---	---	---	---	---	0.00	0.00	126	254	272	260
6	134	---	---	---	---	---	0.00	0.00	125	266	269	261
7	134	---	---	---	---	---	0.00	0.00	124	255	258	254
8	126	---	---	---	---	---	0.00	0.00	119	259	268	251
9	125	---	---	---	---	0.00	0.00	0.00	113	258	263	230
10	134	---	---	---	---	0.00	0.00	39	114	249	268	229
11	153	---	---	---	---	0.00	0.00	133	130	254	279	231
12	173	---	---	---	---	0.00	0.00	125	135	258	273	239
13	176	---	---	---	---	0.00	0.00	167	120	261	271	232
14	151	---	---	---	---	0.00	0.00	141	120	266	266	239
15	25	---	---	---	---	0.00	0.00	117	133	250	262	222
16	2.3	---	---	---	---	0.00	0.00	103	121	257	259	228
17	0.00	---	---	---	---	0.00	0.00	118	164	270	262	212
18	0.00	---	---	---	---	0.00	0.00	139	160e	269	265	216
19	0.00	---	---	---	---	0.00	0.00	138	160e	259	265e	229
20	---	---	---	---	---	0.00	0.00	137	160e	253	265e	229
21	---	---	---	---	---	0.00	0.00	136	159	260	265e	210
22	---	---	---	---	---	0.00	0.00	136	161	252	265e	195
23	---	---	---	---	---	0.00	0.00	135	179	251	268	191
24	---	---	---	---	---	0.00	0.00	134	201	254	265	183
25	---	---	---	---	---	0.00	0.00	134	212	265	262	165
26	---	---	---	---	---	0.00	0.00	133	196	261	258	164
27	---	---	---	---	---	0.00	0.00	132	194	258	265	160
28	---	---	---	---	---	0.00	0.00	131	209	257	267	159
29	---	---	---	---	---	0.00	0.00	131	223	262	268	130
30	---	---	---	---	---	0.00	0.00	130	206	267	274	100
31	---	---	---	---	---	0.00	---	129	---	258	276	---
TOTAL	2000.3	0	0	0	0	0	0	2818	4574	7914	8263	6495
MEAN	105.3	---	---	---	---	0.000	0.000	90.9	152.4	255.3	266.5	216.5
MAX	176	---	---	---	---	0.00	0.00	167	223	270	279	272
MIN	0.00	---	---	---	---	0.00	0.00	0.00	113	213	258	100
AC-FT	3968	0.00	0.00	0.00	0.00	0.00	0.00	5589	9072	15700	16390	12880
CAL	YEAR	2010	TOTAL	29599	MEAN	155.8	MAX	277.0	MIN	0.000	AC-FT	58710
WTR	YEAR	2011	TOTAL	32064	MEAN	142.5	MAX	279.0	MIN	0.000	AC-FT	63600

# NORTH PLATTE RIVER BASIN

## HORSE CREEK near Lyman, 06677500

LOCATION.--SE1/4NE1/4 Sec. 25-23-58 W., Scotts Bluff County, Lat. 41° 56' 21", Long. 103° 59' 13", on right bank 50 feet upstream from county highway bridge, 1.8 miles upstream from mouth, 2.2 miles downstream from Owl Creek and 3.2 miles northeast of Lyman.

DRAINAGE AREA.--1,707 square miles, approximately 1,667 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is 3,992.84 feet above mean sea level.

PERIOD OF RECORD.--Feb. 1931 to present

REMARKS.--Published by the USGS up to Oct. 1, 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 5,110 cubic feet per second June 6, 1967, gage height 10.82 feet; minimum daily discharge 0.40 cubic feet per second February 1, 1949.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,880 cubic feet per second July 3, gage height 9.23 feet; minimum daily discharge 18 cubic feet per second December 26-29.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	74	32	28	20e	24e	35	53	78	355	244	87	83
2	68	32	28	25e	24e	41	53	138	310	263	84	87
3	64	31	27	25e	24e	35	52	123	263	1060	84	88
4	69	31	27	25e	24	30	51	106	234	346	88	89
5	70	31	27	25e	23e	28	58	283	215	256	91	96
6	64	31	26	26	23e	28	65	364	206	239	88	96
7	62	31	26	25e	23e	26	68	282	189	245	88	100
8	60	30	25	25e	23e	27	69	241	178	192	84	108
9	58	29	25	25e	23e	30	68	359	177	174	82	133
10	62	29	25	25e	25e	33	65	344	171	174	87	122
11	61	30	24	25e	25e	31	64	267	171	199	86	111
12	54	30	25	25e	25e	28	65	413	256	192	84	112
13	56	30	23	25e	25	46	64	426	345	229	80	111
14	43	29	22	25e	27	49	66	404	313	244	88	119
15	42	30	23	22	28	49	66	392	315	243	96	136
16	41	30	22	24	27	49	69	370	343	210	91	148
17	41	30	21	33	27	48	68	343	523	188	84	173
18	40	29	24	31	23	47	74	331	360	183	81	185
19	39	29	21	25	24	48	86	373	581	150	80	192
20	39	28	21	21	22	46	81	443	683	108	82	217
21	38	28	21	24	21	47	78	424	476	94	84	241
22	37	28	20	22	23	46	86	391	413	77	91	289
23	39	28	20	21	24	46	82	360	373	75	87	308
24	38	26	19	20	21	46	82	369	369	69	83	292
25	36	30	19	21	27	46	81	486	387	69	69	294
26	35	51	18	21	31	48	81	382	395	75	64	312
27	33	28	18	21	25	48	87	347	366	78	67	356
28	32	29	18	22	29	50	85	340	348	81	76	372
29	32	27	18	23	---	49	85	347	302	85	79	293
30	33	35	20e	21	---	50	81	378	266	91	84	190
31	33	---	20e	24e	---	50	---	401	---	86	89	---
TOTAL	1493	912	701	742	690	1280	2133	10305	9883	6019	2588	5453
MEAN	48.2	30.4	22.6	24.0	24.7	41.3	71.1	332.4	329.5	194.0	83.5	181.7
MAX	74	51	28	33	31	50	87	486	683	1060	96	372
MIN	32	26	18	20	21	26	51	78	171	69	64	83
AC-FT	2961	1809	1390	1472	1369	2539	4231	20440	19600	11940	5133	10820
CAL	YEAR	2010	TOTAL	35614	MEAN	97.6	MAX	550.0	MIN	13.0	AC-FT	70640
WTR	YEAR	2011	TOTAL	42199	MEAN	115.6	MAX	1060	MIN	18.0	AC-FT	83700

e indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## SHEEP CREEK near Morrill, 06678000

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

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

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

PERIOD OF RECORD.--Oct. 1931 to present

REMARKS.--Published by the USGS up to Oct. 1, 1991. Records are good except estimated records poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 128 cubic feet per second October 12, gage height 2.51 feet; minimum daily discharge 7.4 cubic feet per second October 1.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7.4	54	48	50e	52e	52	45	44	52	48	60	68
2	7.4	54	48	50e	52e	51	44	44	52	48	61	69
3	7.4	53	49	50e	52	49	44	45	51	49	61	69
4	7.4	54	49	50	52	49	43	46	50	50	62	71
5	7.4	54	49	50	52	49	42	45	50	52	63	80
6	7.7	54	50	50	52	50	43	47	50	53	61	75
7	8.2	54	50	50	52	50	42	47	49	51	63	73
8	9.1	53	50	50	52	49	42	48	49	51	62	74
9	10	53	50	51	52	48	42	50	49	50	63	76
10	10	54	50	50	52	48	43	50	49	50	78	75
11	9.9	50	49e	50	52	48	42	51	47	52	81	78
12	41	51	49e	50	52	47	41	57	46	54	81	73
13	59	51	50e	51	52	48	41	56	45	57	76	71
14	59	50	50	52	52	48	43	54	45	56	77	72
15	59	50	50e	52	52	47	42	53	46	58	77	74
16	58	50	50e	52	52	47	41	54	47	58	74	79
17	58	50	50e	52	52	47	42	54	50	57	70	76
18	57	49	50e	52	52	47	44	54	49	57	69	75
19	57	49	50e	52	52	47	44	58	52	57	68	76
20	57	48	50e	51	52	47	43	60	51	58	70	78
21	57	48	50e	51	52	47	43	58	49	58	76	80
22	58	49	50e	52	51	47	44	58	48	58	78	77
23	58	48	50e	51	51	47	43	59	48	59	73	77
24	59	48	50e	51	51	46	43	62	48	60	70	78
25	59	48	50e	51	53	47	43	61	49	60	73	80
26	59	48	50e	51	53	47	43	58	48	58	68	79
27	56	49	50e	51	53	47	46	57	48	59	68	74
28	55	49	50e	52	52	46	44	55	48	58	67	72
29	55	49	50e	52	---	45	44	56	48	60	69	68
30	55	48	50e	52	---	45	44	56	47	60	69	66
31	54	---	50e	52	---	44	---	54	---	60	68	---
TOTAL	1221.9	1519	1541	1581	1456	1476	1290	1651	1460	1716	2156	2233
MEAN	39.4	50.7	49.9	51.1	52.0	47.6	43.0	53.3	48.7	55.4	69.5	74.4
MAX	59	54	50	52	53	52	46	62	52	60	81	80
MIN	7.4	48	48	50	51	44	41	44	45	48	60	66
AC-FT	2424	3013	3057	3136	2888	2928	2559	3275	2896	3404	4276	4429
CAL	YEAR	2010	TOTAL	14515	MEAN	39.8	MAX	61.0	MIN	6.8	AC-FT	28790
WTR	YEAR	2011	TOTAL	19301	MEAN	52.9	MAX	81.0	MIN	7.4	AC-FT	38280

e indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## ENTERPRISE CANAL from North Platte River, 00040000

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916, 1919 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	14	---	---	---	---	---	0.00	36	46	51	84	71
2	0.00	---	---	---	---	---	0.00	35	47	49	84	71
3	0.00	---	---	---	---	---	0.00	35	48	50	83	72
4	0.00	---	---	---	---	---	51	36	49	50	82	68
5	0.00	---	---	---	---	---	57	38	51	51	84	64
6	---	---	---	---	---	---	49	41	63	57	84	65
7	---	---	---	---	---	---	45	42	64	61	80	68
8	---	---	---	---	---	---	45	45	63	63	79	66
9	---	---	---	---	---	0.00	45	47	62	64	80	66
10	---	---	---	---	---	0.00	45	51	60	66	83	66
11	---	---	---	---	---	0.00	45	53	60	73	82	60
12	---	---	---	---	---	0.00	44	54	57	70	81	56
13	---	---	---	---	---	0.00	44	55	54	70	81	56
14	---	---	---	---	---	0.00	44	55	51	69	82	55
15	---	---	---	---	---	0.00	44	55	50	67	82	54
16	---	---	---	---	---	0.00	44	55	51	65	81	53
17	---	---	---	---	---	0.00	44	56	54	70	80	48
18	---	---	---	---	---	0.00	44	55	52	74	80	44
19	---	---	---	---	---	0.00	44	55	55	78	81	44
20	---	---	---	---	---	0.00	44	56	50	81	81	43
21	---	---	---	---	---	0.00	44	56	42	82	81	43
22	---	---	---	---	---	0.00	45	55	41	81	82	43
23	---	---	---	---	---	0.00	44	55	41	81	84	44
24	---	---	---	---	---	0.00	44	55	41	83	82	43
25	---	---	---	---	---	0.00	44	57	41	85	83	42
26	---	---	---	---	---	0.00	44	56	41	83	82	41
27	---	---	---	---	---	0.00	41	56	40	81	79	37
28	---	---	---	---	---	0.00	38	55	39	80	77	37
29	---	---	---	---	---	0.00	37	57	44	82	72	38
30	---	---	---	---	---	0.00	37	51	50	82	66	38
31	---	---	---	---	---	0.00	---	47	---	83	70	---
TOTAL	14	0	0	0	0	0	1196	1555	1507	2182	2492	1596
MEAN	2.8	---	---	---	---	0.000	39.9	50.1	50.2	70.3	80.4	53.2
MAX	14	---	---	---	---	0.00	57	57	64	85	84	72
MIN	0.00	---	---	---	---	0.00	0.00	35	39	49	66	37
AC-FT	28	0.00	0.00	0.00	0.00	0.00	2372	3084	2989	4328	4943	3166
CAL	YEAR	2010	TOTAL	10044	MEAN	57.4	MAX	99.0	MIN	0.000	AC-FT	19920
WTR	YEAR	2011	TOTAL	10542	MEAN	50.0	MAX	85.0	MIN	0.000	AC-FT	20910

# NORTH PLATTE RIVER BASIN

## DRY SPOTTED TAIL CREEK at Mitchell, 06679000

LOCATION.--SE1/4SE1/4 SEC. 20-23-56 W., Scotts Bluff County, Lat. 41° 56' 45", Long. 103° 49' 35", on right bank 5 feet upstream from bridge on county road, 0.8 mile upstream from mouth, and 1 mile west of the intersection of U.S. Highway 26 and State Highway 29 in Mitchell.

DRAINAGE AREA.--77.2 square miles.

GAGE.--Continuous stage recorder. Gage datum is 3,942.75 feet National Geodetic Vertical Datum.

PERIOD OF RECORD.--1948 - present

REMARKS.--Published by the USGS up to October 1, 1979. Records are fair, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 193 cubic feet per second June 19, gage height 2.92 feet; minimum daily discharge 13 cubic feet per second February 2.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	36	21	20	19e	14	20	18	19	29	57	80	76
2	28	21	20	19e	13	21	18	19	29	60	82	123
3	27	21	19	19e	14	19	25	28	28	62	82	131
4	24	21	19e	19	17	20	45	42	28	59	76	134
5	22	21	19e	19	18	20	33	40	28	66	80	139
6	19	21	19e	19	17	20	19	36	28	74	78	127
7	18	21	19e	20	16	21	18	39	27	77	76	133
8	17	21	19e	19	15	20	20	37	28	78	78	133
9	17	21	19e	19	17	21	19	36	30	71	78	130
10	17	21	19e	19	18	21	20	37	30	68	82	125
11	20	21	19e	16	18	20	19	46	32	71	86	108
12	27	21	19e	14	19	21	19	68	34	80	94	91
13	43	21	19e	19	21	23	19	63	34	98	94	84
14	27	21	19e	20	20	22	20	57	32	96	85	79
15	24	21	19e	20	19	22	19	53	28	94	79	84
16	66	21	19e	21	19	20	19	50	37	88	83	93
17	82	21	19e	22	18	19	19	51	72	85	89	93
18	79	21	20e	22	21	20	22	49	45	86	87	88
19	36	21	20e	21	19	19	22	57	86	86	90	85
20	32	21	20e	19	19	19	19	59	61	87	117	73
21	31	21	20e	20	19	19	20	50	44	86	115	71
22	32	21	20e	19	20	16	21	50	40	86	104	71
23	39	21	20e	20	19	18	19	50	35	84	99	70
24	38	20	20e	19	19	18	19	55	30	81	98	61
25	36	20	20e	18	17	17	20	62	28	81	97	61
26	29	20	20e	18	20	17	20	44	26	81	92	63
27	21	21	20e	18	20	18	22	30	33	82	91	62
28	21	21	20e	19	20	17	20	29	55	82	93	57
29	22	21	20e	18	---	18	19	30	50	80	89	57
30	21	20	20e	18	---	18	19	31	54	80	75	38
31	21	---	19e	14	---	19	---	30	---	81	67	---
TOTAL	972	626	604	586	506	603	631	1347	1141	2447	2716	2740
MEAN	31.4	20.8	19.5	18.9	18.1	19.5	21.0	43.5	38.0	79.0	87.6	91.4
MAX	82	21	20	22	21	23	45	68	86	98	117	139
MIN	17	20	19	14	13	16	18	19	26	57	67	38
AC-FT	1928	1242	1198	1162	1004	1196	1252	2672	2263	4854	5387	5435
CAL	YEAR	2010	TOTAL	12247	MEAN	33.6	MAX	132.0	MIN	9.7	AC-FT	24290
WTR	YEAR	2011	TOTAL	14919	MEAN	40.9	MAX	139.0	MIN	13.0	AC-FT	29590

e indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER at Mitchell, 06679500

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

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

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

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

REMARKS.--Published by the USGS up to Oct. 1, 1994. Records are good, except estimated records and records for discharge over 1,000 cfs are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 8,463 cubic feet per second June 20, gage height 9.68 feet; minimum daily discharge 230 cubic feet per second January 1.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	392	583	485	230	401	467	4430	4820	7480	5930	3210	3450
2	381	597	486	284	340	506	4350	4820	7380	5600	3150	3550
3	365	568	488	313	351	625	4310	4800	7230	6160	3210	3530
4	353	586	481	341	409	801	4310	4880	7140	5410	3300	3550
5	345	559	478	382	493	1110	4340	5050	6990	5210	3420	3550
6	336	572	476	428	538	1440	4020	5570	6930	4850	3380	3600
7	332	549	475	450	524	1650	4060	5770	6840	4710	3330	3700
8	326	562	469	423	471	1880	4190	5820	7020	4550	3300	3600
9	324	579	469	427	426	2240	4290	5930	7220	4250	3350	3730
10	323	554	464	388	431	2500	4350	5990	7340	4030	3530	3800
11	320	578	457	358	498	2740	4340	5910	7540	3960	3540	3880
12	334	579	407	386	512	2900	4350	6380	7790	3800	3280	4000
13	488	575	440	404	502	3120	4360	6600	7930	3910	3430	3890
14	657	574	426	412	498	3260	4370	6400	7950	3930	3560	3880
15	668	580	435	411	496	3330	4340	6490	7720	3700	3730	4050
16	677	577	430	428	490	3500	4330	6550	7690	3520	3710	4120
17	680	573	388	441	485	3700	4350	6410	7960	3420	3590	3940
18	691	562	379	452	480	3880	4480	6330	7690	3490	3570	3820
19	676	557	399	433	483	4080	4490	6520	7850	3500	3580	3810
20	678	553	404	407	490	4250	4550	6850	8190	3480	3610	3860
21	660	547	415	482	488	4320	4660	6660	7780	3360	3680	3910
22	670	541	402	493	494	4370	4820	6550	7580	3270	3690	3950
23	672	511	393	489	502	4390	4870	6390	7460	3250	3610	4020
24	681	511	422	482	498	4430	5040	6550	7470	3210	3510	3610
25	668	466	451	447	481	4470	5190	7170	7130	3210	2520	2900
26	642	508	442	477	505	4560	4930	7220	6640	3170	1810	2580
27	645	512	454	483	476	4560	5010	7400	6450	3190	1560	2730
28	622	522	441	491	478	4580	4930	7270	6360	3130	1510	2910
29	604	508	437	499	---	4550	4870	7440	6260	3110	1660	3060
30	620	462	404	500	---	4540	4830	7720	6230	3110	2690	3230
31	605	---	253	495	---	4380	---	7720	---	3160	3320	---
TOTAL	16435	16505	13450	13136	13240	97129	135760	195980	219240	122580	98340	108210
MEAN	530.1	550.2	433.9	423.7	472.9	3132	4526	6322	7308	3954	3173	3607
MAX	691	597	488	500	538	4580	5190	7720	8190	6160	3730	4120
MIN	320	462	253	230	340	467	4020	4800	6230	3110	1510	2580
AC-FT	32600	32740	26680	26050	26260	192700	269300	388700	434900	243100	195100	214600
CAL	YEAR	2010	TOTAL	518281	MEAN	1420	MAX	7060	MIN	253.0	AC-FT	1028000
WTR	YEAR	2011	TOTAL	1050005	MEAN	2877	MAX	8190	MIN	230.0	AC-FT	2083000

e indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## TUB SPRINGS near Scottsbluff, 06680000

LOCATION.--SW1/4SW1/4 Sec. 33-23-55 W., Scotts Bluff County, Lat. 41° 54' 55", Long. 103° 42' 55", upstream from bridge, 0.2 miles downstream from headgates of Enterprise Canal, 1.5 miles upstream from mouth, and 3.5 miles northwest of Scottsbluff.

DRAINAGE AREA.--Undetermined, channel serves as a drain for return flow from irrigation districts.

GAGE.--Continuous stage recorder; datum of gage is 3,926.54 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1948 - present

REMARKS.--Published by United States Geological Survey from 1948 - 1979. Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,610 cubic feet per second, 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 189 cubic feet per second June 16, gage height 3.95 feet; minimum daily discharge 16 cubic feet per second March 12.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	25	31	29	26	21e	21	22	43	50	62	48	52
2	19	30e	28	26	21e	19	23	40	48	60	50	68
3	19	30e	29	27	20e	17	23	43	47	67	50	73
4	19	30e	29	26	20e	17	24	41	47	68	47	76
5	19	33	29	24	20e	17	35	44	46	70	47	75
6	19	32	29	30e	20e	17	33	47	42	67	45	71
7	19	32	29	30e	20e	18	33	52	39	71	44	71
8	19	31	27	30e	19e	17	33	57	40	72	41	76
9	19	32	28	30e	19e	17	33	52	49	76	46	79
10	20	32	28	30e	19e	18	33	50	51	75	48	80
11	20e	32	28	30e	18e	18	37	41	53	69	45	76
12	20e	33	28	30e	18e	16	38	41	55	67	42	72
13	20e	34	29	28e	18e	17	35	45	52	76	44	69
14	20e	33	28	28e	20	17	34	42	50	70	43	71
15	20e	32	29	28e	20	17	35	43	50	72	45	76
16	21e	32	28	28e	20	17	39	47	71	66	40	79
17	21e	31	28	25e	21	17	36	45	66	67	44	77
18	21e	31	28	25e	22	17	34	43	45	68	42	72
19	21e	31	28	25e	21	18	34	42	60	64	43	74
20	21e	31	28	25e	22	18	38	46	59	63	42	78
21	23e	30	27	26e	21	18	37	44	56	64	43	78
22	23e	30	27	26e	21	20	36	50	53	64	47	77
23	25e	30	28	26e	22	21	37	48	52	49	47	78
24	25e	30	28	26e	24	20	36	46	53	36	48	76
25	25e	29	27	23e	24	19	38	47	52	37	46	74
26	28e	29	27	23e	23	20	36	55	48	43	46	72
27	28e	29	26	23e	22	21	36	62	46	45	48	70
28	28e	29	26	23e	22	21	41	55	46	39	47	66
29	28e	30	26	23e	---	22	38	63	48	38	51	65
30	28e	29	26	21e	---	22	39	63	57	43	51	68
31	30e	---	26	21e	---	21	---	54	---	42	45	---
TOTAL	693	928	861	812	578	575	1026	1491	1531	1870	1415	2189
MEAN	22.3	30.9	27.7	26.2	20.7	18.5	34.2	48.1	51.0	60.3	45.7	73.0
MAX	30	34	29	30	24	22	41	63	71	76	51	80
MIN	19	29	26	21	18	16	22	40	39	36	40	52
AC-FT	1375	1841	1708	1611	1146	1140	2035	2957	3037	3709	2807	4342
CAL	YEAR	2010	TOTAL	11436	MEAN	31.3	MAX	103.0	MIN	15.0	AC-FT	22680
WTR	YEAR	2011	TOTAL	13969	MEAN	38.3	MAX	80.0	MIN	16.0	AC-FT	27710

e indicates estimated discharge.



# NORTH PLATTE RIVER BASIN

## WINTERS CREEK CANAL from North Platte River, 00148000

LOCATION.--NE1/4SE1/4 Sec. 17-22-55 W. near Scottsbluff

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

PERIOD OF RECORD.--1916, 1918 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	12	9.5	30	29
2	0.00	---	---	---	---	---	0.00	0.00	12	9.3	30	30
3	0.00	---	---	---	---	---	0.00	0.00	8.6	9.3	30	30
4	0.00	---	---	---	---	---	0.00	0.00	2.1	8.9	30	31
5	0.00	---	---	---	---	---	0.00	0.00	2.0	8.7	32	31
6	0.00	---	---	---	---	---	0.00	0.00	1.9	9.0	31	29
7	---	---	---	---	---	---	0.00	0.00	1.7	13	30	21
8	---	---	---	---	---	---	0.00	0.00	1.6	18	30	14
9	---	---	---	---	---	0.00	0.00	0.00	1.5	22	30	15
10	---	---	---	---	---	0.00	0.00	0.00	1.3	29	31	15
11	---	---	---	---	---	0.00	0.00	0.00	1.2	29	32	16
12	---	---	---	---	---	0.00	0.00	0.00	1.1	29	29	16
13	---	---	---	---	---	0.00	0.00	0.00	1.0	29	30	16
14	---	---	---	---	---	0.00	0.00	0.00	2.0	29	31	17
15	---	---	---	---	---	0.00	0.00	0.00	2.4	29	32	17
16	---	---	---	---	---	0.00	0.00	8.1	6.1	30	32	18
17	---	---	---	---	---	0.00	0.00	13	8.7	29	31	18
18	---	---	---	---	---	0.00	0.00	13	8.3	30	30	18
19	---	---	---	---	---	0.00	0.00	13	8.1	32	30	18
20	---	---	---	---	---	0.00	0.00	15	8.0	31	30	18
21	---	---	---	---	---	0.00	0.00	15	7.8	32	31	18
22	---	---	---	---	---	0.00	0.00	14	7.5	33	31	19
23	---	---	---	---	---	0.00	0.00	13	7.5	32	30	19
24	---	---	---	---	---	0.00	0.00	13	7.9	32	30	18
25	---	---	---	---	---	0.00	0.00	14	8.3	32	21	15
26	---	---	---	---	---	0.00	0.00	13	8.2	31	5.9	13
27	---	---	---	---	---	0.00	0.00	13	8.4	31	2.2	13
28	---	---	---	---	---	0.00	0.00	12	8.6	30	1.9	14
29	---	---	---	---	---	0.00	0.00	12	9.0	30	2.3	15
30	---	---	---	---	---	0.00	0.00	13	9.2	30	17	16
31	---	---	---	---	---	0.00	---	13	---	30	27	---
TOTAL	0	0	0	0	0	0	0	207.1	174	776.7	810.3	577
MEAN	0.000	---	---	---	---	0.000	0.000	6.7	5.8	25.1	26.1	19.4
MAX	0.00	---	---	---	---	0.00	0.00	15	12	33	32	31
MIN	0.00	---	---	---	---	0.00	0.00	0.00	1.0	8.7	1.9	13
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	411	345	1541	1607	1144
CAL	YEAR	2010	TOTAL	2383	MEAN	13.5	MAX	40.0	MIN	0.000	AC-FT	4726
WTR	YEAR	2011	TOTAL	2545	MEAN	12.0	MAX	33.0	MIN	0.000	AC-FT	5048

# NORTH PLATTE RIVER BASIN

## WINTERS CREEK CANAL from Winters Creek, 00149000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	15	9.5	---	---	---	---	0.00	0.00	7.6	0.00	39	46
2	14	9.5	---	---	---	---	0.00	0.00	7.6	0.00	40	47
3	14	---	---	---	---	---	0.00	0.00	7.8	0.00	40	36
4	13	---	---	---	---	0.00	0.00	0.00	7.6	0.00	41	30
5	13	---	---	---	---	0.00	0.00	0.00	7.5	0.00	40	30
6	13	---	---	---	---	0.00	0.00	0.00	7.3	0.00	40	30
7	13	---	---	---	---	0.00	0.00	0.00	8.1	0.00	39	31
8	13	---	---	---	---	0.00	0.00	0.00	8.0	0.00	40	31
9	13	---	---	---	---	0.00	0.00	0.00	8.4	0.00	42	32
10	14	---	---	---	---	0.00	0.00	0.00	8.0	0.00	41	32
11	14	---	---	---	---	0.00	0.00	0.00	7.6	11	41	33
12	14	---	---	---	---	0.00	0.00	0.00	7.8	35	40	33
13	14	---	---	---	---	0.00	0.00	0.00	7.5	33	40	33
14	14	---	---	---	---	0.00	0.00	0.00	7.9	29	40	33
15	12	---	---	---	---	0.00	0.00	0.00	7.9	35	40	34
16	11	---	---	---	---	0.00	0.00	0.00	15	44	40	33
17	11	---	---	---	---	0.00	0.00	0.00	11	40	40	33
18	11	---	---	---	---	0.00	0.00	0.00	0.00	39	40	33
19	11	---	---	---	---	0.00	0.00	0.00	0.00	37	41	33
20	11	---	---	---	---	0.00	0.00	0.00	0.00	39	41	33
21	10	---	---	---	---	0.00	0.00	9.0	0.00	39	39	34
22	11	---	---	---	---	0.00	0.00	16	0.00	41	39	33
23	12	---	---	---	---	0.00	0.00	16	0.00	39	40	29
24	12	---	---	---	---	0.00	0.00	16	0.00	39	41	13
25	11	---	---	---	---	0.00	0.00	16	0.00	38	42	13
26	14	---	---	---	---	0.00	0.00	16	0.00	39	42	12
27	14	---	---	---	---	0.00	0.00	11	0.00	38	42	12
28	13	---	---	---	---	0.00	0.00	7.8	0.00	37	43	13
29	10	---	---	---	---	0.00	0.00	7.9	0.00	37	44	13
30	9.8	---	---	---	---	0.00	0.00	8.0	0.00	36	44	12
31	9.7	---	---	---	---	0.00	---	7.7	---	38	44	---
TOTAL	384.5	19	0	0	0	0	0	131.4	142.6	763	1265	860
MEAN	12.3	9.5	---	---	---	0.000	0.000	4.2	4.8	24.6	40.8	28.7
MAX	15	9.5	---	---	---	0.00	0.00	16	15	44	44	47
MIN	9.7	9.5	---	---	---	0.00	0.00	0.00	0.00	0.00	39	12
AC-FT	763	38	0.00	0.00	0.00	0.00	0.00	261	283	1513	2509	1706
CAL	YEAR	2010	TOTAL	3447	MEAN	17.1	MAX	67.0	MIN	0.000	AC-FT	6837
WTR	YEAR	2011	TOTAL	3566	MEAN	14.6	MAX	47.0	MIN	0.000	AC-FT	7072

# NORTH PLATTE RIVER BASIN

## CENTRAL CANAL from North Platte River, 00022000

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

GAGE.--Continuous stage recorder and concrete box

PERIOD OF RECORD.--1919 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	17	12	19	30	27
2	---	---	---	---	---	---	0.00	18	12	19	32	28
3	---	---	---	---	---	---	0.00	17	13	20	33	27
4	---	---	---	---	---	0.00	0.00	2.9	16	19	34	29
5	---	---	---	---	---	0.00	0.00	2.1	16	17	34	30
6	---	---	---	---	---	0.00	2.0	2.1	17	18	33	31
7	---	---	---	---	---	0.00	5.5	2.2	18	18	33	31
8	---	---	---	---	---	0.00	14	6.1	19	30	33	31
9	---	---	---	---	---	0.00	9.1	13	20	28	32	32
10	---	---	---	---	---	0.00	4.3	13	20	25	33	32
11	---	---	---	---	---	0.00	0.00	13	20	24	33	33
12	---	---	---	---	---	0.00	0.00	14	21	26	30	32
13	---	---	---	---	---	0.00	0.00	13	21	21	31	31
14	---	---	---	---	---	0.00	0.00	12	21	13	32	31
15	---	---	---	---	---	0.00	0.00	12	21	13	32	30
16	---	---	---	---	---	0.00	0.00	13	20	11	32	30
17	---	---	---	---	---	0.00	3.5	14	16	15	32	29
18	---	---	---	---	---	0.00	5.8	14	18	28	32	28
19	---	---	---	---	---	0.00	5.5	14	19	28	32	28
20	---	---	---	---	---	0.00	6.5	13	19	30	31	29
21	---	---	---	---	---	0.00	6.3	13	19	29	32	29
22	---	---	---	---	---	0.00	7.8	13	18	24	32	29
23	---	---	---	---	---	0.00	6.6	13	18	20	32	30
24	---	---	---	---	---	0.00	9.6	12	18	32	32	23
25	---	---	---	---	---	0.00	9.8	9.3	20	33	30	18
26	---	---	---	---	---	0.00	9.7	12	10	32	25	15
27	---	---	---	---	---	0.00	11	12	16	31	15	16
28	---	---	---	---	---	0.00	11	12	20	30	13	17
29	---	---	---	---	---	0.00	14	13	20	30	18	16
30	---	---	---	---	---	0.00	17	14	20	30	27	17
31	---	---	---	---	---	0.00	---	12	---	30	27	---
TOTAL	0	0	0	0	0	0	159	360.7	538	743	927	809
MEAN	---	---	---	---	---	0.000	5.2	11.7	17.9	24.0	29.9	26.9
MAX	---	---	---	---	---	0.00	17	18	21	33	34	33
MIN	---	---	---	---	---	0.00	0.00	2.1	10	11	13	15
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	315	715	1067	1474	1839	1605
CAL	YEAR	2010	TOTAL	2924	MEAN	17.1	MAX	39.0	MIN	0.000	AC-FT	5800
WTR	YEAR	2011	TOTAL	3537	MEAN	16.8	MAX	34.0	MIN	0.000	AC-FT	7015

# NORTH PLATTE RIVER BASIN

## WINTERS CREEK near Scottsbluff, 06681000

LOCATION.--NW1/4SE1/4 Sec. 30-22-54 W., Scotts Bluff County, Lat. 41° 51' 08", Long. 103° 37' 35", on right bank 700 feet downstream from bridge on U.S. Highway 26, one mile upstream from mouth, 1.5 miles east of Scottsbluff.

GAGE.--Continuous stage recorder. Gage datum is 3,859.8 feet National Geodetic Datum of 1929.

PERIOD OF RECORD.--1931 - present

REMARKS.--Published by the USGS up to October 1, 1979. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,160 cubic feet per second June 21, 1977, gage height 8.07 feet; maximum gage height 9.34 feet, present datum, January 7, 1949 due to backwater from snow drifts; minimum daily discharge 0.9 cubic feet per second July 5, 1961.

EXTREMES FOR CURRENT YEAR.--Peak discharge 335 cubic feet per second June 16, gage height 5.15 feet; minimum daily discharge 25 cubic feet per second July 19.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	53	38	51	44	41	34	30	90	49	56	32	45
2	49	37	50	43	40	34	29	93	48	57	34	49
3	48	37	49	43	41	34	30	94	48	58	35	62
4	48	38	48	44	41	34	31	96	42	58	35	74
5	46	37	48	43	41	34	29	97	41	59	35	78
6	45	37	48	43	40	34	39	100	41	74	35	76
7	45	38	48	44	40	35	40	101	42	102	35	64
8	45	38	48	44	35	34	38	102	41	71	36	59
9	44	39	48	43	35	35	40	97	42	136	40	58
10	44	39	47	43	37	36	42	51	42	111	41	60
11	42	40	47	42	37	36	40	53	42	51	39	63
12	41	39	46	42	38	34	38	71	43	41	37	60
13	41	39	46	43	36	34	37	58	42	38	36	55
14	42	39	46	43	36	32	37	53	43	32	36	58
15	45	40	47	43	36	33	36	51	42	33	37	62
16	45	40	45	42	38	34	35	56	94	37	38	58
17	45	39	45	42	39	33	34	84	188	30	39	58
18	44	40	45	43	37	33	37	150	124	28	40	61
19	45	40	45	43	37	33	36	160	64	25	42	62
20	44	41	46	42	36	33	58	158	54	27	42	72
21	44	40	46	42	36	33	81	136	50	29	42	79
22	44	40	46	43	35	32	84	119	47	31	43	79
23	46	40	45	42	35	31	80	116	46	30	42	84
24	44	40	44	42	35	31	79	117	48	30	42	96
25	41	41	44	41	35	32	80	121	54	29	44	94
26	39	41	46	41	34	32	80	114	51	31	43	89
27	37	41	45	41	34	32	86	78	52	30	42	87
28	36	41	46	42	34	33	87	48	53	28	43	84
29	38	42	46	42	---	32	88	50	51	28	45	79
30	39	44	46	42	---	31	88	50	53	28	45	77
31	38	---	46	42	---	31	---	50	---	31	44	---
TOTAL	1347	1185	1443	1319	1039	1029	1569	2814	1677	1449	1219	2082
MEAN	43.4	39.5	46.5	42.5	37.1	33.3	52.2	90.8	55.8	46.8	39.3	69.4
MAX	53	44	51	44	41	36	88	160	188	136	45	96
MIN	36	37	44	41	34	31	29	48	41	25	32	45
AC-FT	2672	2350	2862	2616	2061	2041	3112	5581	3326	2874	2418	4130
CAL	YEAR	2010	TOTAL	17613	MEAN	48.3	MAX	172.0	MIN	22.0	AC-FT	34930
WTR	YEAR	2011	TOTAL	18172	MEAN	49.8	MAX	188.0	MIN	25.0	AC-FT	36040

# NORTH PLATTE RIVER BASIN

## MINATARE CANAL from North Platte River, 00099000

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

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

PERIOD OF RECORD.--1919 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	14	42	27	39	97	76
2	0.00	---	---	---	---	---	12	41	27	39	96	73
3	0.00	---	---	---	---	---	21	42	27	42	96	72
4	0.00	---	---	---	---	0.00	48	44	27	43	99	74
5	0.00	---	---	---	---	0.00	46	43	27	42	102	74
6	0.00	---	---	---	---	0.00	43	44	28	42	102	72
7	---	---	---	---	---	0.00	43	45	30	50	99	71
8	---	---	---	---	---	0.00	44	39	36	55	99	71
9	---	---	---	---	---	0.00	46	40	43	58	96	71
10	---	---	---	---	---	0.00	44	41	45	62	97	72
11	---	---	---	---	---	0.00	42	34	46	69	93	72
12	---	---	---	---	---	0.00	43	35	49	77	84	73
13	---	---	---	---	---	0.00	43	31	51	85	89	72
14	---	---	---	---	---	0.00	43	27	51	86	92	70
15	---	---	---	---	---	0.00	42	26	49	88	94	70
16	---	---	---	---	---	0.00	41	26	48	87	93	61
17	---	---	---	---	---	0.00	42	24	57	85	92	57
18	---	---	---	---	---	0.00	43	24	50	85	98	56
19	---	---	---	---	---	0.00	41	26	49	86	104	56
20	---	---	---	---	---	0.00	39	28	56	84	105	57
21	---	---	---	---	---	0.00	40	27	52	84	108	60
22	---	---	---	---	---	0.00	43	26	50	84	101	62
23	---	---	---	---	---	0.00	43	24	46	83	93	64
24	---	---	---	---	---	0.00	45	24	44	83	91	60
25	---	---	---	---	---	0.00	47	29	45	83	83	54
26	---	---	---	---	---	0.00	49	28	36	84	68	56
27	---	---	---	---	---	0.00	49	28	33	89	60	70
28	---	---	---	---	---	0.00	46	27	35	91	58	69
29	---	---	---	---	---	0.00	44	27	36	92	58	68
30	---	---	---	---	---	0.00	43	28	37	95	73	63
31	---	---	---	---	---	0.00	---	28	---	96	83	---
TOTAL	0	0	0	0	0	0	1229	998	1237	2268	2803	1996
MEAN	0.000	---	---	---	---	0.000	41.0	32.2	41.2	73.2	90.5	66.5
MAX	0.00	---	---	---	---	0.00	49	45	57	96	108	76
MIN	0.00	---	---	---	---	0.00	12	24	27	39	58	54
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	2438	1980	2454	4499	5560	3959
CAL	YEAR	2010	TOTAL	7700	MEAN	43.3	MAX	112.0	MIN	0.000	AC-FT	15270
WTR	YEAR	2011	TOTAL	10531	MEAN	48.5	MAX	108.0	MIN	0.000	AC-FT	20890

# NORTH PLATTE RIVER BASIN

## GERING CREEK near Gering, 06681500

LOCATION.--SE1/4NE1/4 Sec. 6-21-54 W., Scotts Bluff County, Lat. 41° 49' 20", Long 103° 37' 02", on right bank 65 feet downstream from Crow Road bridge, 0.35 mile downstream from bridge on State Highway 92, one mile upstream from the mouth, and two miles east of Gering.

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

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

REMARKS.--Published by the USGS up to Oct. 1, 1991. Records are good, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,853 cubic feet per second May 24, gage height 8.81 feet; minimum daily discharge 16 cubic feet per second February 1 and 2.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	32	24	25	22	16	22	24	17	36	148	106	127
2	31	24	25	22	16	21	24	17	34	140	103	127
3	31	24	25	22	18	22	24	17	33	186	103	136
4	31	23	25	21	20	22	23	17	32	116	110	153
5	31	23	24	23	21	21	23	16	32	135	115	156
6	30	24	24	23	20	22	22	100	32	141	111	153
7	29	24	25	23	19	21	22	177	31	138	118	152
8	29	24	25	23	18	21	22	174	28	134	115	160
9	29	24	25	22	17	21	21	191	28	164	116	162
10	30	24	25	20	19	22	20	176	27	153	112	171
11	28	25	24	19	20	22	20	167	85	139	111	172
12	27	24	23e	19	20	21	18	223	51	143	114	174
13	27	24	25e	23	21	21	18	186	147	193	117	167
14	27	24	25	24	20	21	18	160	131	173	116	169
15	26	24	25	24	21	21	17	174	122	174	118	209
16	26	25	24	23	20	21	17	177	259	160	118	228
17	26	26	23	25	21	21	16	167	278	151	112	253
18	26	25	23	23	20	21	19	190	121	129	110	229
19	26	24	24	22	21	21	18	212	252	121	111	201
20	26	24	25	19e	20	22	17	190	169	141	111	181
21	26	24	24	21e	20	21	18	172	128	134	112	181
22	26	23	24	22	21	22	20	188	159	138	115	196
23	27	23	24	21	21	22	17	168	153	130	112	181
24	26	23	24	21	20	22	17	407	154	123	105	161e
25	26	23	23	21	19	22	18	336	221	125	103	143e
26	25	24	23	21	21	23	18	174	187	128	105	125e
27	25	24	24	22	21	23	23	200	156	124	114	109e
28	24	24	24	21	21	24	19	146	141	117	112	94e
29	24	24	23	21	---	23	18	139	118	110	124	80e
30	24	24	23	21	---	23	17	130	138	108	130	67e
31	24	---	19	19	---	24	---	73	---	112	130	---
TOTAL	845	719	744	673	552	676	588	4881	3483	4328	3509	4817
MEAN	27.2	24.0	24.0	21.7	19.6	21.8	19.6	157.5	116.1	139.6	113.2	160.6
MAX	32	26	25	25	21	24	24	407	278	193	130	253
MIN	24	23	19	19	16	21	16	16	27	108	103	67
AC-FT	1676	1426	1476	1335	1095	1341	1166	9681	6908	8584	6960	9554
CAL	YEAR	2010	TOTAL	23522	MEAN	64.4	MAX	347.0	MIN	12.0	AC-FT	46660
WTR	YEAR	2011	TOTAL	25815	MEAN	70.7	MAX	407.0	MIN	16.0	AC-FT	51200

e indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

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

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916, 1918 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	17	0.00	---	---	---	---	0.00	28	37	51	80	88
2	15	0.00	---	---	---	---	0.00	27	34	71	80	88
3	13	---	---	---	---	0.00	3.0	36	31	79	80	91
4	12	---	---	---	---	0.00	0.00	43	34	79	81	90
5	17	---	---	---	---	0.00	17	34	34	69	83	89
6	22	---	---	---	---	0.00	30	39	36	81	91	89
7	22	---	---	---	---	0.00	26	52	37	79	91	85
8	21	---	---	---	---	0.00	28	54	34	78	91	78
9	21	---	---	---	---	0.00	37	56	37	80	91	78
10	21	---	---	---	---	0.00	28	59	36	78	92	77
11	21	---	---	---	---	0.00	29	58	38	81	91	76
12	21	---	---	---	---	0.00	29	44	43	85	90	76
13	22	---	---	---	---	0.00	29	31	44	88	90	70
14	25	---	---	---	---	0.00	29	32	44	81	91	63
15	24	---	---	---	---	0.00	31	32	41	46	92	65
16	21	---	---	---	---	0.00	22	34	40	61	91	66
17	18	---	---	---	---	0.00	22	35	46	76	90	65
18	18	---	---	---	---	0.00	23	38	45	75	89	66
19	17	---	---	---	---	0.00	21	41	46	74	88	64
20	8.4	---	---	---	---	0.00	15	44	47	73	88	65
21	0.00	---	---	---	---	0.00	16	46	48	74	87	64
22	0.00	---	---	---	---	0.00	17	48	48	79	82	60
23	0.00	---	---	---	---	0.00	22	26	48	78	76	62
24	0.00	---	---	---	---	0.00	24	23	48	78	74	62
25	0.00	---	---	---	---	0.00	25	40	52	78	71	59
26	0.00	---	---	---	---	0.00	28	39	43	78	64	55
27	0.00	---	---	---	---	0.00	31	38	25	78	65	54
28	0.00	---	---	---	---	0.00	26	37	29	80	81	54
29	0.00	---	---	---	---	0.00	27	37	53	79	83	53
30	0.00	---	---	---	---	0.00	29	38	57	79	88	55
31	0.00	---	---	---	---	0.00	---	40	---	79	93	---
TOTAL	376.4	0	0	0	0	0	664	1229	1235	2345	2624	2107
MEAN	12.1	0.000	---	---	---	0.000	22.1	39.7	41.2	75.6	84.7	70.2
MAX	25	0.00	---	---	---	0.00	37	59	57	88	93	91
MIN	0.00	0.00	---	---	---	0.00	0.00	23	25	46	64	53
AC-FT	747	0.00	0.00	0.00	0.00	0.00	1317	2438	2450	4651	5205	4179
CAL	YEAR	2010	TOTAL	10221	MEAN	50.1	MAX	100.0	MIN	0.000	AC-FT	20270
WTR	YEAR	2011	TOTAL	10580	MEAN	43.2	MAX	93.0	MIN	0.000	AC-FT	20990

# NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER near Minatare, 06682000

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

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

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

REMARKS.--Published by the USGS up to Oct. 1, 1991. Records are fair, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 9,100 cubic feet per second June 17, combined channel discharge; minimum daily discharge 567 cubic feet per second estimated February 11, combined channel discharge.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	767e	734	753	590e	594e	598	4740	5440	7410	6550	3710	3550
2	743	733	767	590e	594e	601	4710	5490	7310	6310	3650	3740
3	726	725	759	590e	584e	688	4630	5370	7330	6610	3630	3890
4	713	723	746	588e	584e	816	4520	5430	7310	6720	3750	4020
5	674	723	750	593e	590e	1020	4490	5460	7330	6000	3880	4150
6	648	728	742	601e	582	1340	4380	5580	7350	5730	3920	4230
7	644	721	731	623	595	1650	4110	6070	7390	5520	3860	4360
8	649	719	731	628	598	1930	4200	6170	7320	5270	3860	4250
9	638	723	721	612	593e	2230	4300	6190	7340	5060	3790	4250
10	650	721	717	597	582e	2520	4410	6060	7420	4750	3950	4340
11	647	738	703	605	567e	2840	4450	6170	7590	4420	4080	4380
12	655	742	701	600e	571	3110	4440	6720	7850	4180	3830	4500
13	686	736	698	595e	569	3420	4490	7360	8130	4350	3810	4460
14	852	746	690	594	568	3640	4520	7110	8070	4410	3910	4460
15	876	747	692	594	573	3930	4540	7000	7830	4270	4060	4720
16	867	751	682	594	583	4020	4520	7110	7790	4030	4080	4990
17	881	764	672	598	574	4090	4580	6980	8930	3870	3990	4890
18	892	759	662	609	567	4260	4760	6950	8050	3840	3910	4740
19	888	757	662	616	576	4440	5050	7100	7880	3830	3930	4710
20	855	755	657	595	578	4710	4890	7380	8560	3910	4000	4740
21	848	759	652	594	576	4890	4930	7500	8300	3940	4080	4840
22	846	762	648	614	583	4890	5060	7160	7950	3930	4120	4960
23	852	775	644	616	592	4850	5120	6880	7840	3880	4100	5090
24	864	764	636	613	599	4780	5080	6690	7820	3810	4020	4940
25	825	768e	629	618	607	4790	5180	7910	8140	3800	3660	4230
26	804	741	624	607	596	4950	5140	7760	7450	3760	2600e	3630
27	792	743	616	604	594	4990	5320	7680	7130	3750	2180	3580
28	777	760	606	600	604	5030	5430	7490	7040	3700	2030	3790
29	766	750	603	602	---	4980	5390	7490	6830	3670	2010	3850
30	777	733	601	604	---	4950	5360	7660	6700	3650	2510	4110
31	764	---	593e	594e	---	4860	---	7720	---	3670	3260	---
TOTAL	23866	22300	21088	18678	16373	105813	142740	209080	229390	141190	112170	130390
MEAN	769.8	743.3	680.2	602.5	584.7	3413	4758	6744	7646	4554	3617	4346
MAX	892	775	767	628	607	5030	5430	7910	8930	6720	4120	5090
MIN	638	719	593	588	567	598	4110	5370	6700	3650	2010	3550
AC-FT	47340	44230	41830	37050	32480	209900	283100	414700	455000	280000	222500	258600
CAL	YEAR	2010	TOTAL	603166	MEAN	1653	MAX	7220	MIN	358.0	AC-FT	1196000
WTR	YEAR	2011	TOTAL	1173078	MEAN	3214	MAX	8930	MIN	567.0	AC-FT	2327000

e indicates estimated discharge.



# NORTH PLATTE RIVER BASIN

## NINEMILE CANAL from North Platte River, 00106000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	23	---	---	---	---	---	3.5	29	26	25	34	28
2	20	---	---	---	---	---	8.2	29	25	23	33	26
3	10.0	---	---	---	---	---	0.91	29	31	24	33	27
4	13	---	---	---	---	0.00	0.98	29	35	29	34	28
5	18	---	---	---	---	0.00	0.00	30	35	31	34	28
6	18	---	---	---	---	0.00	0.00	31	39	28	34	29
7	17	---	---	---	---	0.00	0.00	36	38	26	34	28
8	18	---	---	---	---	0.00	0.00	35	32	23	34	26
9	19	---	---	---	---	0.00	0.00	44	21	22	34	26
10	20	---	---	---	---	0.00	0.00	44	23	20	34	26
11	19	---	---	---	---	0.00	0.00	40	25	23	39	26
12	20	---	---	---	---	0.00	0.00	39	25	31	42	28
13	12	---	---	---	---	0.00	0.00	41	31	39	39	22
14	16	---	---	---	---	0.00	2.2	45	33	40	36	13
15	18	---	---	---	---	0.00	5.2	44	34	37	35	14
16	20	---	---	---	---	0.00	13	43	33	37	34	14
17	23	---	---	---	---	0.00	19	47	25	37	33	14
18	22	---	---	---	---	0.00	20	38	24	35	30	12
19	17	---	---	---	---	0.00	13	39	24	35	28	12
20	13	---	---	---	---	0.00	15	35	24	33	30	11
21	8.2	---	---	---	---	0.00	24	41	21	30	37	11
22	7.8	---	---	---	---	0.00	20	41	20	33	38	11
23	4.6	---	---	---	---	0.00	17	35	20	36	35	10.0
24	0.04	---	---	---	---	0.00	16	29	20	36	38	9.2
25	0.00	---	---	---	---	0.00	17	16	17	36	35	7.2
26	0.00	---	---	---	---	0.00	16	17	24	34	20	8.0
27	0.00	---	---	---	---	0.00	17	20	36	32	6.9	14
28	0.00	---	---	---	---	0.00	24	22	36	31	11	20
29	0.00	---	---	---	---	0.00	29	27	31	30	27	19
30	0.00	---	---	---	---	0.00	30	27	28	30	35	19
31	0.00	---	---	---	---	0.00	---	25	---	31	31	---
TOTAL	376.64	0	0	0	0	0	310.99	1047	836	957	997.9	566.4
MEAN	12.2	---	---	---	---	0.000	10.3	33.8	27.8	30.9	32.2	18.9
MAX	23	---	---	---	---	0.00	30	47	39	40	42	29
MIN	0.00	---	---	---	---	0.00	0.00	16	17	20	6.9	7.2
AC-FT	747	0.00	0.00	0.00	0.00	0.00	617	2077	1658	1898	1979	1123
CAL	YEAR	2010	TOTAL	4467	MEAN	22.1	MAX	56.0	MIN	0.000	AC-FT	8859
WTR	YEAR	2011	TOTAL	5092	MEAN	21.0	MAX	47.0	MIN	0.000	AC-FT	10100

# NORTH PLATTE RIVER BASIN

## NINEMILE CANAL from Ninemile Creek, 00106100

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1988 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	53	0.00	---	---	---	---	0.00	11	26	38	55	40
2	50	0.00	---	---	---	---	0.00	11	26	36	57	39
3	47	---	---	---	---	---	0.00	11	25	28	58	39
4	48	---	---	---	---	0.00	0.00	11	28	38	54	39
5	50	---	---	---	---	0.00	0.00	11	27	42	56	39
6	52	---	---	---	---	0.00	0.00	11	26	43	56	39
7	49	---	---	---	---	0.00	0.00	12	29	43	54	38
8	39	---	---	---	---	0.00	0.00	11	27	44	56	37
9	39	---	---	---	---	0.00	0.00	11	21	45	57	40
10	34	---	---	---	---	0.00	0.00	12	22	46	54	45
11	35	---	---	---	---	0.00	21	14	22	44	60	45
12	33	---	---	---	---	0.00	22	17	21	41	61	47
13	23	---	---	---	---	0.00	28	17	22	51	54	42
14	33	---	---	---	---	0.00	26	19	25	47	48	32
15	37	---	---	---	---	0.00	22	21	33	49	44	36
16	35	---	---	---	---	0.00	19	20	33	43	47	36
17	22	---	---	---	---	0.00	17	14	29	36	49	36
18	27	---	---	---	---	0.00	15	12	26	32	42	36
19	32	---	---	---	---	0.00	13	13	24	33	43	35
20	28	---	---	---	---	0.00	10	14	27	43	42	34
21	19	---	---	---	---	0.00	10	17	26	43	47	35
22	19	---	---	---	---	0.00	9.9	19	27	47	50	38
23	18	---	---	---	---	0.00	8.5	16	33	50	47	38
24	0.00	---	---	---	---	0.00	6.8	14	34	51	48	38
25	0.00	---	---	---	---	0.00	5.2	13	33	53	48	38
26	0.00	---	---	---	---	0.00	8.2	12	35	55	54	40
27	0.00	---	---	---	---	0.00	11	9.1	39	54	55	41
28	0.00	---	---	---	---	0.00	11	5.1	38	54	55	42
29	0.00	---	---	---	---	0.00	11	2.5	38	54	44	41
30	0.00	---	---	---	---	0.00	11	1.9	39	53	46	38
31	0.00	---	---	---	---	0.00	---	9.3	---	53	40	---
TOTAL	822	0	0	0	0	0	285.6	391.9	861	1389	1581	1163
MEAN	26.5	0.000	---	---	---	0.000	9.5	12.7	28.6	44.9	51.0	38.7
MAX	53	0.00	---	---	---	0.00	28	21	39	55	61	47
MIN	0.00	0.00	---	---	---	0.00	0.00	1.9	21	28	40	32
AC-FT	1630	0.00	0.00	0.00	0.00	0.00	566	777	1708	2755	3136	2307
CAL	YEAR	2010	TOTAL	6418	MEAN	31.3	MAX	67.0	MIN	0.000	AC-FT	12730
WTR	YEAR	2011	TOTAL	6494	MEAN	26.6	MAX	61.0	MIN	0.000	AC-FT	12880

# NORTH PLATTE RIVER BASIN

## NINEMILE CREEK near McGrew, 06682500

LOCATION.--SE1/4SE1/4 Sec. 23-21-53 W., Scotts Bluff County, Lat. 41° 46' 15", Long. 103° 25' 18", on right bank 65 feet upstream from county highway bridge, 0.5 mile upstream from mouth, and 1.5 miles north of McGrew.

PERIOD OF RECORD.--1932 - present

GAGE.--Continuous stage recorder. Gage datum is 3,780 feet from topographic map.

REMARKS.--Published by the USGS up to October 1, 1979. Records are fair, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 210 cubic feet per second May 25, gage height 3.82 feet; minimum daily discharge 44 cubic feet per second April 12.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	105	76	69	55e	60e	55	55	90	109	94	114	148
2	107	76	69	55e	60e	54	56	93	105	90	111	152
3	89	76	70	55e	60e	51	56	93	105	102	114	147
4	89	77	70	55e	61e	48	53	94	104	100	122	143
5	87	76	70	54e	61e	48	55	93	104	96	123	150
6	80	75	71	54e	61e	47	55	94	109	98	123	149
7	80	74	71	54e	61e	45	57	96	104	98	123	150
8	89	74	71	54e	57	47	56	96	101	98	119	149
9	89	73	69	54e	55	48	55	99	112	99	119	145
10	98	73	70	54e	57	51	55	89	110	92	126	142
11	92	74	69	54e	58	52	49	70	107	96	125	145
12	92	74	68	53e	59	52	44	96	101	104	127	152
13	93	74	69	53e	62	53	47	104	97	120	129	153
14	77	74	68	53e	61	53	46	104	100	138	137	150
15	72	73	67	52e	63	56	45	99	97	160	142	170
16	72	73	65	52e	63	59	50	100	104	150	133	169
17	90	73	63	52e	61	57	60	114	157	150	139	161
18	89	72	62	52e	58	58	66	143	114	134	143	150
19	71	72	62	52e	58	58	60	155	112	120	132	147
20	71	72	62	52e	55	62	71	160	165	121	139	146
21	78	72	63	58e	52	75	99	158	138	112	144	139
22	82	73	62	59e	54	74	97	159	104	107	149	139
23	83	74	64	59e	55	70	86	151	93	102	142	136
24	75	75	63	59e	52	66	85	154	92	100	137	139
25	74	71	63	59e	49	63	90	195	122	106	141	137
26	72	70	63	59e	50	60	92	170	97	114	129	131
27	76	70	62	59e	52	56	93	161	101	114	118	136
28	78	71	62	60e	53	54	94	136	101	108	115	136
29	79	69	62	60e	---	53	95	139	100	109	132	120
30	78	68	61	60e	---	53	94	138	98	109	145	126
31	77	---	55e	60e	---	54	---	126	---	108	145	---
TOTAL	2584	2194	2035	1721	1608	1732	2016	3769	3263	3449	4037	4357
MEAN	83.3	73.1	65.7	55.5	57.5	55.8	67.2	121.6	108.8	111.2	130.2	145.3
MAX	107	77	71	60	63	75	99	195	165	160	149	170
MIN	71	68	55	52	49	45	44	70	92	90	111	120
AC-FT	5125	4352	4036	3414	3189	3435	3999	7476	6472	6841	8007	8642
CAL	YEAR	2010	TOTAL	31006	MEAN	84.9	MAX	248.0	MIN	22.0	AC-FT	61500
WTR	YEAR	2011	TOTAL	32765	MEAN	89.8	MAX	195.0	MIN	44.0	AC-FT	64990

e indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

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## SHORT LINE CANAL from North Platte River, 00133000

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1916, 1920 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	33	0.00	---	---	---	---	0.00	5.8	4.1	19	18	36
2	32	0.00	---	---	---	---	0.00	6.7	4.1	18	19	38
3	29	---	---	---	---	---	0.00	7.6	4.3	20	20	40
4	29	---	---	---	---	0.00	0.00	8.2	6.8	19	22	40
5	30	---	---	---	---	0.00	0.00	8.8	8.7	15	24	35
6	30	---	---	---	---	0.00	0.00	8.3	11	14	25	38
7	30	---	---	---	---	0.00	0.00	7.9	14	11	22	42
8	32	---	---	---	---	0.00	0.00	8.3	14	9.2	19	41
9	32	---	---	---	---	0.00	0.00	8.9	15	17	25	41
10	34	---	---	---	---	0.00	0.00	10	15	18	26	41
11	33	---	---	---	---	0.00	0.00	15	18	16	26	42
12	28	---	---	---	---	0.00	0.00	20	24	13	25	43
13	25	---	---	---	---	0.00	17	20	25	12	25	43
14	19	---	---	---	---	0.00	20	17	25	13	25	42
15	16	---	---	---	---	0.00	20	15	24	12	26	43
16	17	---	---	---	---	0.00	18	16	22	11	26	45
17	19	---	---	---	---	0.00	18	20	21	9.3	26	38
18	21	---	---	---	---	0.00	20	24	19	8.0	27	38
19	20	---	---	---	---	0.00	21	22	19	7.2	25	41
20	20	---	---	---	---	0.00	19	13	21	8.0	26	44
21	22	---	---	---	---	0.00	24	6.9	20	8.9	27	39
22	22	---	---	---	---	0.00	24	6.4	20	9.6	28	32
23	23	---	---	---	---	0.00	10	5.9	19	9.3	26	30
24	21	---	---	---	---	0.00	2.5	5.5	19	9.3	24	30
25	21	---	---	---	---	0.00	2.4	5.1	20	9.6	25	27
26	20	---	---	---	---	0.00	2.3	4.3	17	9.7	26	27
27	0.00	---	---	---	---	0.00	2.4	3.9	16	9.5	31	29
28	0.00	---	---	---	---	0.00	3.1	3.9	16	12	34	30
29	0.00	---	---	---	---	0.00	4.0	3.7	16	16	38	26
30	0.00	---	---	---	---	0.00	4.8	3.9	18	17	36	31
31	0.00	---	---	---	---	0.00	---	4.1	---	17	35	---
TOTAL	658	0	0	0	0	0	232.5	316.1	496	397.6	807	1112
MEAN	21.2	0.000	---	---	---	0.000	7.7	10.2	16.5	12.8	26.0	37.0
MAX	34	0.00	---	---	---	0.00	24	24	25	20	38	45
MIN	0.00	0.00	---	---	---	0.00	0.00	3.7	4.1	7.2	18	26
AC-FT	1305	0.00	0.00	0.00	0.00	0.00	461	627	984	789	1601	2206
CAL	YEAR	2010	TOTAL	3557	MEAN	17.4	MAX	51.0	MIN	0.000	AC-FT	7055
WTR	YEAR	2011	TOTAL	4019	MEAN	16.5	MAX	45.0	MIN	0.000	AC-FT	7972

# NORTH PLATTE RIVER BASIN

## CHIMNEY ROCK CANAL from North Platte River, 00024000

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1916 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	32	0.00	---	---	---	---	22	18	32	60	69	71
2	33	0.00	---	---	---	---	17	17	37	59	74	69
3	32	---	---	---	---	0.00	2.9	17	45	59	74	70
4	31	---	---	---	---	0.00	7.6	19	44	61	75	71
5	35	---	---	---	---	0.00	11	19	43	58	76	72
6	37	---	---	---	---	0.00	13	23	42	58	79	72
7	37	---	---	---	---	0.00	10	44	42	58	80	73
8	39	---	---	---	---	0.00	8.7	48	42	59	80	67
9	39	---	---	---	---	0.00	7.5	49	38	56	78	63
10	39	---	---	---	---	0.00	7.7	52	37	55	74	63
11	37	---	---	---	---	0.00	8.1	55	38	55	75	72
12	40	---	---	---	---	0.00	8.1	51	39	58	74	74
13	41	---	---	---	---	0.00	8.5	49	41	55	74	72
14	43	---	---	---	---	0.00	9.0	43	44	53	71	77
15	43	---	---	---	---	0.00	9.5	50	41	55	71	79
16	27	---	---	---	---	0.00	9.7	56	43	52	76	68
17	32	---	---	---	---	0.00	31	55	42	52	79	62
18	41	---	---	---	---	0.00	20	46	41	52	73	61
19	41	---	---	---	---	0.00	20	40	40	56	75	55
20	42	---	---	---	---	0.00	22	39	41	57	76	49
21	42	---	---	---	---	0.00	23	39	42	58	77	56
22	41	---	---	---	---	0.00	20	38	41	58	79	47
23	42	---	---	---	---	0.00	26	38	40	58	78	50
24	41	---	---	---	---	0.00	29	37	42	62	77	51
25	0.00	---	---	---	---	0.00	29	37	44	64	74	45
26	0.00	---	---	---	---	0.00	29	37	42	61	71	43
27	0.00	---	---	---	---	0.00	25	35	45	61	73	43
28	0.00	---	---	---	---	0.00	19	33	50	62	70	45
29	0.00	---	---	---	---	0.00	18	33	58	64	70	45
30	0.00	---	---	---	---	0.00	17	33	60	64	76	47
31	0.00	---	---	---	---	0.00	---	33	---	64	75	---
TOTAL	907	0	0	0	0	0	488.3	1183	1276	1804	2323	1832
MEAN	29.2	0.000	---	---	---	0.000	16.3	38.2	42.6	58.2	74.8	61.1
MAX	43	0.00	---	---	---	0.00	31	56	60	64	80	79
MIN	0.00	0.00	---	---	---	0.00	2.9	17	32	52	69	43
AC-FT	1799	0.00	0.00	0.00	0.00	0.00	969	2346	2531	3578	4608	3634
CAL	YEAR	2010	TOTAL	8340	MEAN	40.9	MAX	81.0	MIN	0.000	AC-FT	16540
WTR	YEAR	2011	TOTAL	9813	MEAN	40.1	MAX	80.0	MIN	0.000	AC-FT	19460

# NORTH PLATTE RIVER BASIN

## ALLIANCE CANAL from Bayard Creek, 00002000

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

GAGE.--Continuous stage recorder and concrete box

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	18	6.6	---	---	---	---	0.00	24	17	22	7.1	19
2	17	6.3	---	---	---	---	0.00	20	15	22	6.3	20
3	17	---	---	---	---	0.00	0.00	17	9.9	23	7.8	22
4	18	---	---	---	---	0.00	0.00	13	11	21	10	23
5	17	---	---	---	---	0.00	3.3	16	14	18	11	25
6	16	---	---	---	---	0.00	8.4	20	13	19	12	25
7	16	---	---	---	---	0.00	8.8	22	9.5	20	15	24
8	17	---	---	---	---	0.00	8.9	22	10	18	14	26
9	20	---	---	---	---	0.00	9.0	22	14	17	14	26
10	20	---	---	---	---	0.00	9.1	20	18	15	13	26
11	18	---	---	---	---	0.00	9.2	20	18	14	12	26
12	17	---	---	---	---	0.00	11	28	21	15	14	26
13	14	---	---	---	---	0.00	9.4	29	24	17	15	25
14	14	---	---	---	---	0.00	12	28	22	14	15	25
15	11	---	---	---	---	0.00	13	26	24	12	15	29
16	9.3	---	---	---	---	0.00	10	24	19	11	14	29
17	7.7	---	---	---	---	0.00	11	24	7.7	13	15	28
18	7.8	---	---	---	---	0.00	12	28	5.5	9.0	13	29
19	8.2	---	---	---	---	0.00	16	31	3.8	4.2	12	28
20	8.6	---	---	---	---	0.00	16	32	5.4	7.4	14	27
21	6.9	---	---	---	---	0.00	18	32	7.5	6.2	13	25
22	5.6	---	---	---	---	0.00	20	32	6.2	4.8	13	22
23	6.0	---	---	---	---	0.00	17	28	4.3	5.1	15	23
24	6.4	---	---	---	---	0.00	17	28	7.1	5.5	16	22
25	6.0	---	---	---	---	0.00	17	36	23	7.4	16	20
26	5.5	---	---	---	---	0.00	16	29	17	6.8	14	18
27	5.1	---	---	---	---	0.00	22	11	10	6.6	14	21
28	6.1	---	---	---	---	0.00	22	7.0	9.9	6.1	15	19
29	7.5	---	---	---	---	0.00	21	6.2	23	5.2	15	17
30	6.5	---	---	---	---	0.00	25	8.8	24	4.6	18	12
31	6.1	---	---	---	---	0.00	---	12	---	5.2	19	---
TOTAL	359.3	12.9	0	0	0	0	362.1	696	413.8	375.1	417.2	707
MEAN	11.6	6.4	---	---	---	0.000	12.1	22.4	13.8	12.1	13.6	23.6
MAX	20	6.6	---	---	---	0.00	25	36	24	23	19	29
MIN	5.1	6.3	---	---	---	0.00	0.00	6.2	3.8	4.2	6.3	12
AC-FT	713	26	0.00	0.00	0.00	0.00	718	1380	821	744	828	1402
CAL	YEAR	2010	TOTAL	2982	MEAN	14.3	MAX	37.0	MIN	0.000	AC-FT	5914
WTR	YEAR	2011	TOTAL	3343	MEAN	13.6	MAX	36.0	MIN	0.000	AC-FT	6632

# NORTH PLATTE RIVER BASIN

## ALLIANCE CANAL from Red Willow Creek, 00003000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	15	---	---	---	---	---	0.00	0.00	5.4	17	31	34
2	14	---	---	---	---	---	0.00	0.00	7.1	20	32	35
3	11	---	---	---	---	0.00	0.00	0.00	8.1	14	38	33
4	5.5	---	---	---	---	0.00	0.00	0.00	7.9	23	41	31
5	5.3	---	---	---	---	0.00	0.00	0.00	8.6	24	42	30
6	5.2	---	---	---	---	0.00	0.00	0.00	11	16	41	29
7	2.7	---	---	---	---	0.00	0.00	0.00	12	5.3	40	27
8	4.1	---	---	---	---	0.00	0.00	0.00	10	6.3	41	26
9	1.8	---	---	---	---	0.00	0.00	0.00	10	14	41	30
10	0.00	---	---	---	---	0.00	0.00	0.00	10.0	21	41	26
11	0.00	---	---	---	---	0.00	0.00	3.9	10	18	33	25
12	0.00	---	---	---	---	0.00	0.00	8.0	9.9	23	40	25
13	0.00	---	---	---	---	0.00	0.00	9.0	9.8	27	44	24
14	0.00	---	---	---	---	0.00	0.00	12	9.9	27	44	23
15	0.00	---	---	---	---	0.00	0.00	8.5	12	22	43	26
16	0.00	---	---	---	---	0.00	0.00	8.4	11	26	42	24
17	0.00	---	---	---	---	0.00	0.00	8.8	11	31	42	22
18	0.00	---	---	---	---	0.00	0.00	11	9.8	27	43	22
19	0.00	---	---	---	---	0.00	0.00	8.7	12	29	44	22
20	---	---	---	---	---	0.00	0.00	8.7	12	28	44	23
21	---	---	---	---	---	0.00	0.00	8.8	12	28	44	23
22	---	---	---	---	---	0.00	0.00	8.8	12	28	45	16
23	---	---	---	---	---	0.00	0.00	8.9	8.6	29	43	17
24	---	---	---	---	---	0.00	0.00	8.9	12	31	41	19
25	---	---	---	---	---	0.00	0.00	8.9	11	32	41	20
26	---	---	---	---	---	0.00	0.00	9.0	10	31	39	12
27	---	---	---	---	---	0.00	0.00	8.7	13	33	39	8.8
28	---	---	---	---	---	0.00	0.00	7.5	15	34	39	9.1
29	---	---	---	---	---	0.00	0.00	7.2	15	33	38	6.4
30	---	---	---	---	---	0.00	0.00	7.3	21	32	35	4.1
31	---	---	---	---	---	0.00	---	7.6	---	30	37	---
TOTAL	64.6	0	0	0	0	0	0	178.6	327.1	759.6	1248	672.4
MEAN	3.4	---	---	---	---	0.000	0.000	5.7	10.9	24.6	40.2	22.4
MAX	15	---	---	---	---	0.00	0.00	12	21	34	45	35
MIN	0.00	---	---	---	---	0.00	0.00	0.00	5.4	5.3	31	4.1
AC-FT	128	0.00	0.00	0.00	0.00	0.00	0.00	354	649	1507	2475	1334
CAL	YEAR	2010	TOTAL	2843	MEAN	14.7	MAX	43.0	MIN	0.000	AC-FT	5639
WTR	YEAR	2011	TOTAL	3250	MEAN	14.1	MAX	45.0	MIN	0.000	AC-FT	6447

# NORTH PLATTE RIVER BASIN

## BAYARD CREEK near Bayard, 06683000

LOCATION.--NW1/4SW1/4 Sec. 4-20-52 W., Morrill County, Lat. 41° 44' 10", Long. 103° 19' 53", on left bank 600 feet upstream from mouth and 1.2 mile south of Bayard. Gage on left bank of stream in center of concrete box flume.

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

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

PERIOD OF RECORD.--1931 - present

REMARKS.--Published by the USGS up to October 1, 1979 as Bayard Sugar Factory Drain near Bayard. Records are good, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 146 cubic feet per second June 17, gage height 2.76 feet; minimum daily discharge 1.8 cubic foot per second April 11.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	40	25	17	15e	14e	14	13	12	49	16	49	55
2	38	24	17	15e	13e	14	12	11	39	18	46	55
3	38	24	18	15e	13	14	12	9.3	23	22	44	57
4	40	24	17	15e	13	14	12	8.2	14	24	47	55
5	39	24	17	15e	14	14	8.0	8.1	15	30	45	59
6	37	22	17	15	13	14	3.7	8.1	14	34	46	58
7	39	22	17	13	13e	14	3.3	7.0	13	41	51	54
8	42	21	17	13	13e	13	2.8	6.2	9.4	40	49	56
9	46	21	18	13	13e	13	2.4	5.9	15	36	50	56
10	48	22	17e	13e	13e	15	2.0	5.2	31	32	48	59
11	45	23	17e	13e	13e	15	1.8	5.0	31	36	47	58
12	43	24	16e	13e	13e	14	7.0	14	40	36	49	58
13	40	23	16e	13e	13e	15	7.7	19	40	45	52	52
14	39	23	16e	12	13e	14	9.9	16	47	65	53	55
15	35	20	15e	13	12	14	10	11	44	119	52	66
16	33	12	15e	14	12	15	8.6	8.3	54	95	49	65
17	30	12	16	16	12	14	8.6	7.6	99	100	52	60
18	31	11	16	16	12	14	8.9	17	83	82	49	67
19	32	11	16	15	12	14	16	32	59	63	46	63
20	33	10	17	14	12	14	16	46	91	77	52	58
21	30	10	17	14	12	14	22	46	87	76	48	54
22	29	9.8	17	14	13	14	32	40	56	66	44	50
23	30	9.1	17	14	13	14	23	16	40	64	41	52
24	30	8.7	17	14	13	14	15	13	40	65	39	48
25	30	9.3	17	14	12	14	14	89	65	70	40	45
26	28	10	16	14	13	14	13	72	45	66	42	45
27	26	18	16	15	13	14	14	68	40	60	49	48
28	25	18	16	15	13	14	13	55	28	58	50	46
29	26	17	16	15	---	13	12	49	18	58	50	43
30	25	16	15e	14	---	13	13	51	20	58	56	38
31	24	---	15e	16	---	13	---	52	---	57	58	---
TOTAL	1071	523.9	511	440	358	433	336.7	807.9	1249.4	1709	1493	1635
MEAN	34.5	17.4	16.5	14.1	12.9	13.9	11.2	26.0	41.7	55.1	48.2	54.5
MAX	48	25	18	16	14	15	32	89	99	119	58	67
MIN	24	8.7	15	12	12	13	1.8	5.0	9.4	16	39	38
AC-FT	2124	1039	1014	873	710	859	668	1602	2478	3390	2961	3243
CAL	YEAR	2010	TOTAL	9115	MEAN	25.0	MAX	132.0	MIN	0.97	AC-FT	18080
WTR	YEAR	2011	TOTAL	10568	MEAN	29.0	MAX	119.0	MIN	1.8	AC-FT	20960

e indicates estimated discharge.



# NORTH PLATTE RIVER BASIN

## RED WILLOW CREEK near Bayard, 06684000

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

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

PERIOD OF RECORD.--1931 - present

REMARKS.--Published by the USGS up to October 1, 1979. Records are good, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 363 cubic feet per second July 14, gage height 5.05 feet; minimum daily discharge 44 cubic feet per second April 4 and 5.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	227	73	70	62e	60e	52	48	140	107	125	81	164
2	219	72	71	58e	60e	52	46	143	96	110	74	167
3	211	70	72	55e	59e	51	45	144	70	87	67	175
4	195	70	73	55e	59	50	44	141	67	99	79	199
5	187	71	72	58	59	50	44	145	73	132	79	205
6	170	73	73	58	59	50	46	153	95	125	78	206
7	157	79	73	59	60	50	45	153	100	172	74	206
8	159	76	73	58	58	50	182	151	85	136	73	188
9	164	71	73	59	58e	48	259	136	84	123	75	204
10	162	71	72	58	57	50	260	108	85	106	83	202
11	151	72	71	58e	57	50	252	68	90	106	83	198
12	152	73	71	58e	58	49	256	102	90	103	80	194
13	129	72	70	59	59	50	250	153	89	157	91	191
14	119	73	70	58	59	49	244	185	85	190	106	197
15	105	72	71	57	58	49	248	178	92	204	112	257
16	99	76	70	57	57	49	250	172	106	170	112	279
17	96	78	69	59	56	49	246	174	118	213	118	271
18	87	77	69	59	56	49	252	218	136	206	119	269
19	87	80	69	59	56	49	258	215	135	191	115	259
20	86	80	70	58	56	48	255	197	148	183	122	258
21	86	80	70	59	55	49	208	185	135	151	124	259
22	85	79	69	60	55	48	175	178	129	126	122	258
23	86	79	69	59	54	49	163	164	83	106	117	247
24	84	79	68	59	54	50	156	170	80	95	120	254
25	83	74	68	59	53	51	159	182	130	97	119	260
26	82	76	68	59	53	52	151	177	118	95	112	255
27	79	74	68	60	53	52	157	163	79	100	107	261
28	76	73	67	61	52	51	157	139	75	99	109	256
29	78	71	67	61	---	50	156	131	80	95	127	221
30	77	70	67	61	---	49	141	133	130	89	141	150
31	74	---	62e	59	---	48	---	138	---	84	156	---
TOTAL	3852	2234	2165	1819	1590	1543	5153	4836	2990	4075	3175	6710
MEAN	124.2	74.5	69.9	58.7	56.9	49.7	171.7	155.9	99.7	131.4	102.4	223.6
MAX	227	80	73	62	60	52	260	218	148	213	156	279
MIN	74	70	62	55	52	48	44	68	67	84	67	150
AC-FT	7640	4431	4294	3608	3154	3060	10220	9592	5931	8083	6298	13310
CAL	YEAR	2010	TOTAL	38436	MEAN	105.3	MAX	305.0	MIN	27.0	AC-FT	76240
WTR	YEAR	2011	TOTAL	40142	MEAN	110.0	MAX	279.0	MIN	44.0	AC-FT	79620

e indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## BELMONT CANAL from North Platte River, 00009000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	74	---	---	---	---	---	65	21	50	88	88	91
2	77	---	---	---	---	0.00	56	26	63	87	87	90
3	76	---	---	---	---	0.00	53	28	62	88	87	86
4	75	---	---	---	---	0.00	43	34	62	93	88	83
5	72	---	---	---	---	0.00	31	32	74	90	89	85
6	67	---	---	---	---	0.00	22	35	80	92	90	85
7	68	---	---	---	---	0.00	26	38	80	90	86	86
8	70	---	---	---	---	0.00	39	36	74	91	86	87
9	70	---	---	---	---	0.00	67	37	70	92	87	84
10	72	---	---	---	---	0.00	39	34	70	91	92	78
11	72	---	---	---	---	0.00	36	44	69	89	92	74
12	72	---	---	---	---	0.00	34	39	70	87	87	73
13	72	---	---	---	---	0.00	33	36	69	89	86	70
14	77	---	---	---	---	0.00	32	38	70	89	90	70
15	32	---	---	---	---	0.00	29	52	75	88	90	69
16	0.00	---	---	---	---	0.00	26	63	82	85	88	67
17	0.00	---	---	---	---	0.00	24	63	85	83	85	66
18	0.00	---	---	---	---	0.00	24	55	87	83	85	63
19	---	---	---	---	---	0.00	22	40	86	81	89	66
20	---	---	---	---	---	0.00	17	33	80	85	90	66
21	---	---	---	---	---	0.00	28	33	72	86	91	63
22	---	---	---	---	---	0.00	43	32	77	84	91	61
23	---	---	---	---	---	0.00	37	31	79	83	88	58
24	---	---	---	---	---	0.00	32	31	81	82	90	51
25	---	---	---	---	---	0.00	32	23	83	81	89	46
26	---	---	---	---	---	0.00	31	38	83	82	84	41
27	---	---	---	---	---	0.00	27	57	84	84	86	37
28	---	---	---	---	---	0.00	29	56	95	85	88	37
29	---	---	---	---	---	0.00	28	56	89	87	86	36
30	---	---	---	---	---	0.00	25	55	88	88	89	37
31	---	---	---	---	---	0.00	---	48	---	87	93	---
TOTAL	1046	0	0	0	0	0	1030	1244	2289	2690	2737	2006
MEAN	58.1	---	---	---	---	0.000	34.2	40.1	76.3	86.9	88.2	67.0
MAX	77	---	---	---	---	0.00	67	63	95	93	93	91
MIN	0.00	---	---	---	---	0.00	17	21	50	81	84	36
AC-FT	2075	0.00	0.00	0.00	0.00	0.00	2043	2467	4540	5336	5429	3979
CAL	YEAR	2010	TOTAL	13060	MEAN	67.7	MAX	96.0	MIN	0.000	AC-FT	25900
WTR	YEAR	2011	TOTAL	13042	MEAN	56.5	MAX	95.0	MIN	0.000	AC-FT	25870

# NORTH PLATTE RIVER BASIN

## BELMONT CANAL from Cedar Creek, 00010000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.52	1.1	---	---	---	---	0.00	0.69	1.7	1.6	1.6	1.3
2	0.74	1.1	---	---	---	---	0.00	0.31	1.7	1.5	1.9	1.0
3	0.51	---	---	---	---	---	0.00	0.10	1.8	0.58	1.9	1.7
4	0.32	---	---	---	---	---	0.00	0.08	2.0	0.65	2.3	1.8
5	0.56	---	---	---	---	---	0.00	0.07	2.0	1.2	3.3	2.1
6	0.68	---	---	---	---	---	0.00	0.25	2.1	1.1	2.7	1.5
7	0.73	---	---	---	---	---	0.00	0.46	2.1	2.7	1.9	1.1
8	0.81	---	---	---	---	---	0.00	0.43	2.1	1.6	1.4	1.5
9	0.87	---	---	---	---	---	0.00	0.40	2.1	1.7	1.6	2.1
10	0.95	---	---	---	---	0.00	0.00	0.37	2.2	1.2	2.7	1.8
11	0.92	---	---	---	---	0.00	0.00	0.43	2.4	1.1	2.6	1.2
12	0.93	---	---	---	---	0.00	0.94	0.63	2.5	1.6	1.4	0.67
13	0.55	---	---	---	---	0.00	1.7	0.42	2.5	2.9	1.5	0.76
14	0.23	---	---	---	---	0.00	2.1	0.37	2.6	2.5	1.5	2.0
15	0.21	---	---	---	---	0.00	2.0	0.33	2.8	3.1	1.9	1.6
16	1.1	---	---	---	---	0.00	1.9	0.31	3.4	1.4	1.8	0.94
17	1.8	---	---	---	---	0.00	1.9	0.37	3.5	1.8	1.9	0.72
18	1.7	---	---	---	---	0.00	2.1	0.60	3.4	0.97	2.0	0.69
19	1.7	---	---	---	---	0.00	2.2	0.81	3.3	1.1	2.0	0.67
20	1.7	---	---	---	---	0.00	1.9	0.71	3.8	0.99	1.5	0.66
21	1.7	---	---	---	---	0.00	2.0	0.72	3.5	1.9	1.5	0.72
22	1.7	---	---	---	---	0.00	2.8	0.89	3.5	1.7	1.6	1.0
23	1.6	---	---	---	---	0.00	2.3	1.1	3.6	1.1	1.1	1.4
24	1.6	---	---	---	---	0.00	1.3	1.4	3.8	1.2	1.8	1.4
25	1.5	---	---	---	---	0.00	1.2	1.4	3.4	1.1	1.8	1.4
26	1.3	---	---	---	---	0.00	1.1	1.4	3.1	1.7	1.2	1.4
27	1.3	---	---	---	---	0.00	1.00	1.4	1.8	1.6	1.3	1.4
28	1.1	---	---	---	---	0.00	0.87	1.5	0.79	1.5	1.7	1.5
29	1.1	---	---	---	---	0.00	0.79	1.5	0.80	1.5	1.6	1.5
30	1.1	---	---	---	---	0.00	0.70	1.6	0.72	2.2	2.2	1.5
31	1.1	---	---	---	---	0.00	---	1.7	---	1.6	2.4	---
TOTAL	32.63	2.2	0	0	0	0	30.8	22.75	75.01	48.39	57.6	39.03
MEAN	1.0	1.1	---	---	---	0.000	1.0	0.73	2.5	1.6	1.9	1.3
MAX	1.8	1.1	---	---	---	0.00	2.8	1.7	3.8	3.1	3.3	2.1
MIN	0.21	1.1	---	---	---	0.00	0.00	0.07	0.72	0.58	1.1	0.66
AC-FT	65	4.4	0.00	0.00	0.00	0.00	61	45	149	96	114	77
CAL	YEAR	2010	TOTAL	403	MEAN	2.0	MAX	9.6	MIN	0.21	AC-FT	800
WTR	YEAR	2011	TOTAL	308	MEAN	1.3	MAX	3.8	MIN	0.000	AC-FT	612

# NORTH PLATTE RIVER BASIN

## EMPIRE CANAL from North Platte River, 00039000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.6	---	---	---	---	---	0.00	0.00	0.66	9.6	4.6	2.9
2	13	---	---	---	---	0.00	0.00	0.00	0.65	9.6	4.5	2.9
3	13	---	---	---	---	0.00	0.00	0.00	0.65	9.6	4.4	2.8
4	13	---	---	---	---	0.00	0.00	0.00	0.64	9.6	4.2	2.7
5	9.8	---	---	---	---	0.00	0.00	0.00	0.63	9.7	3.9	2.7
6	5.9	---	---	---	---	0.00	0.00	2.4	0.63	9.6	3.8	2.7
7	5.8	---	---	---	---	0.00	0.00	3.6	0.61	9.6	17	2.5
8	5.7	---	---	---	---	0.00	0.00	4.5	0.52	8.8	27	2.5
9	5.6	---	---	---	---	0.00	0.00	5.0	0.47	6.9	27	2.5
10	5.5	---	---	---	---	0.00	0.00	3.2	0.46	6.9	27	2.3
11	5.4	---	---	---	---	0.00	0.00	3.5	0.47	6.8	36	2.3
12	5.3	---	---	---	---	0.00	0.00	3.1	0.51	6.8	46	2.2
13	5.2	---	---	---	---	0.00	0.00	5.5	0.44	6.8	46	9.8
14	5.1	---	---	---	---	0.00	0.00	3.7	0.44	6.7	47	22
15	3.5	---	---	---	---	0.00	0.00	1.4	0.47	6.5	48	22
16	0.00	---	---	---	---	0.00	0.00	1.5	0.50	6.5	48	22
17	0.00	---	---	---	---	0.00	0.00	1.3	0.49	6.2	34	22
18	0.00	---	---	---	---	0.00	0.00	1.2	0.48	6.0	20	21
19	---	---	---	---	---	0.00	0.00	1.1	0.48	6.1	21	24
20	---	---	---	---	---	0.00	0.00	0.95	0.47	6.1	21	23
21	---	---	---	---	---	0.00	0.00	0.95	0.42	6.1	20	19
22	---	---	---	---	---	0.00	0.00	0.94	0.46	6.2	9.1	16
23	---	---	---	---	---	0.00	0.00	1.00	0.46	6.1	2.9	15
24	---	---	---	---	---	0.00	0.00	0.97	0.45	5.9	2.9	17
25	---	---	---	---	---	0.00	0.00	0.69	0.44	5.8	2.9	19
26	---	---	---	---	---	0.00	0.00	0.65	0.46	5.7	2.8	20
27	---	---	---	---	---	0.00	0.00	0.83	0.55	5.7	2.8	21
28	---	---	---	---	---	0.00	0.00	0.77	0.60	5.7	2.8	21
29	---	---	---	---	---	0.00	0.00	0.76	0.56	5.4	2.8	21
30	---	---	---	---	---	0.00	0.00	0.73	4.0	4.9	2.9	21
31	---	---	---	---	---	0.00	---	0.67	---	4.8	2.9	---
TOTAL	111.4	0	0	0	0	0	0	50.91	19.07	216.7	545.2	386.8
MEAN	6.2	---	---	---	---	0.000	0.000	1.6	0.64	7.0	17.6	12.9
MAX	13	---	---	---	---	0.00	0.00	5.5	4.0	9.7	48	24
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.42	4.8	2.8	2.2
AC-FT	221	0.00	0.00	0.00	0.00	0.00	0.00	101	38	430	1081	767
CAL	YEAR	2010	TOTAL	1274	MEAN	6.6	MAX	25.0	MIN	0.000	AC-FT	2527
WTR	YEAR	2011	TOTAL	1330	MEAN	5.8	MAX	48.0	MIN	0.000	AC-FT	2638

# NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER at Bridgeport, 06684500

LOCATION.--Main channel gage: NW1/4SW1/4 Sec. 28-20-50 W., Morrill County, Lat. 41° 40' 37", Long. 103° 05' 44", on the right bank 75 feet downstream from the U.S. Highway 26 bridge, 0.8 miles north of Bridgeport.

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

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

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

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

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

REMARKS.--Published by the USGS up to Oct. 1, 1991. Records are fair, except estimated records and discharges above 2,000 cubic feet per second are poor.

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

EXTREMES FOR CURRENT YEAR.--Estimated peak discharge 9,451 cubic feet per second June 18, combined flow for both channels; minimum daily discharge 700 cubic feet per second estimated January 7-14, combined flow for both channels.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1080	1070	959	850e	850e	841	4600	5040	7460	6410	3670	3480
2	1030	1030	948	850e	840e	810	4590	5010	7340	6180	3600	3680
3	1010	995	950	850e	820e	815	4520	4890	7480	6030	3520	3960
4	990	955	928	750e	850e	854	4390	4790	7760	6450	3600	4300
5	990	968	919	750e	870e	940	4310	4940	8040	5870e	3700	4520
6	973	978	892	750e	900e	1150	4240	4950	8230	5530e	3700	4630
7	955	983	897	700e	930e	1490	3890	5410	7850	5460	3640	4850
8	962	985	886	700e	950e	1810	3990	5860	7470	5290	3600	4840
9	985	991	872	700e	940e	2090	4190	5990	7570	5170	3540	4730
10	1020	995	852	700e	930e	2390	4370	6200	7820	4830	3680	4710
11	1030	999	864	700e	920e	2690	4460	6460	7870	4610	3830	4660
12	1040	1010	892	700e	910e	2980	4510	7100	8070	4510	3740	4760
13	1090	981	922	700e	896	3270	4570	7410	8170	4810	3600	4890
14	1140	987	900	700e	856	3560	4750	7180	8290	4850	3760	4980
15	1200	988	883	730e	835	3810	4830	6620	8180	5170	3910	5490
16	1250	986	887	780e	840	4000	4750	6350	7880	4640	3980	5860
17	1290	996	867	900e	835	4130	4740	6490	8180	4470	3950	6000
18	1330	1010	812	960e	839	4210	4790	7070	9060	4250	3880	5810
19	1340	981	799	944	866	4310	5170	7180	8160	4200	3830	5670
20	1320	955	824	939	870	4510	4920	7250	8270	4300	3920	5590
21	1310	945	858	915	821	4750	4780	6960	8430	4290	3970	5600
22	1280	944	874	907	784	4960	4720	7080	7850	4280	4060	5680
23	1270	958	867	885	769	5030	4540	6840	7570	4170	4090	5660
24	1260	961	870	880	775	5030	4530	6920	7510	4100	4010	5620
25	1260	960e	863	872	847	5070	4690	7630	7950	4060e	3910	5060
26	1220	960e	899	863	833	5070	4670	8120	8160	3980e	2990	4280
27	1160	957	931	855	853	5070	4830	7830	7140	3930e	2400	3900
28	1140	979	917	829	872	5020	4990	7580	6850	3890e	2140	3980
29	1110	982	885	821	---	4930	4950	7500	6680	3790	2040	4040
30	1090	972	881	829	---	4810	5010	7620	6500	3750	2230	4100
31	1080	---	850e	886	---	4800	---	7650	---	3710	3020	---
TOTAL	35205	29461	27448	25195	24101	105200	138290	203920	233790	146980	109510	145330
MEAN	1136	982.0	885.4	812.7	860.8	3393	4609	6577	7792	4740	3532	4845
MAX	1340	1070	959	960	950	5070	5170	8120	9060	6450	4090	6000
MIN	955	944	799	700	769	810	3890	4790	6500	3710	2040	3480
AC-FT	69830	58440	54440	49970	47800	208700	274300	404500	463700	291500	217200	288300
CAL	YEAR	2010	TOTAL	667558	MEAN	1829	MAX	7430	MIN	500.0	AC-FT	1324000
WTR	YEAR	2011	TOTAL	1224430	MEAN	3355	MAX	9060	MIN	700.0	AC-FT	2429000

e indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## BROWNS CREEK CANAL from North Platte River, 00019000

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

GAGE.--Continuous stage recorder and 8 ft. Parshall flume with modified rating

PERIOD OF RECORD.--1916 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	40	---	---	---	---	---	0.00	19	17	56	82	63
2	35	---	---	---	---	0.00	0.00	26	18	65	84	54
3	34	---	---	---	---	0.00	0.00	14	19	66	89	51
4	36	---	---	---	---	0.00	0.00	16	19	68	91	43
5	33	---	---	---	---	0.00	0.00	17	22	65	87	38
6	30	---	---	---	---	0.00	0.00	18	29	65	88	38
7	31	---	---	---	---	0.00	0.00	19	34	60	86	38
8	22	---	---	---	---	0.00	0.00	21	33	42	87	38
9	0.00	---	---	---	---	0.00	0.00	22	34	28	87	37
10	0.00	---	---	---	---	0.00	0.00	24	33	40	84	36
11	0.00	---	---	---	---	0.00	0.00	27	32	59	78	32
12	0.00	---	---	---	---	0.00	0.00	27	33	60	76	29
13	0.00	---	---	---	---	0.00	0.00	27	33	51	76	27
14	0.00	---	---	---	---	0.00	0.00	26	34	48	74	26
15	---	---	---	---	---	0.00	0.00	24	34	29	73	25
16	---	---	---	---	---	0.00	0.00	20	35	24	75	24
17	---	---	---	---	---	0.00	0.00	18	25	28	75	22
18	---	---	---	---	---	0.00	0.00	19	22	47	75	21
19	---	---	---	---	---	0.00	0.00	21	19	63	78	20
20	---	---	---	---	---	0.00	0.00	19	20	74	79	19
21	---	---	---	---	---	0.00	0.00	18	24	75	79	18
22	---	---	---	---	---	0.00	0.00	17	24	77	77	18
23	---	---	---	---	---	0.00	0.00	17	29	76	76	17
24	---	---	---	---	---	0.00	0.00	17	34	80	76	17
25	---	---	---	---	---	0.00	0.00	17	34	80	76	17
26	---	---	---	---	---	0.00	0.00	17	33	80	71	17
27	---	---	---	---	---	0.00	0.00	17	27	80	71	17
28	---	---	---	---	---	0.00	0.00	17	27	81	69	17
29	---	---	---	---	---	0.00	0.00	16	39	80	64	16
30	---	---	---	---	---	0.00	0.00	16	49	82	65	18
31	---	---	---	---	---	0.00	---	16	---	82	65	---
TOTAL	261	0	0	0	0	0	0	609	865	1911	2413	853
MEAN	18.6	---	---	---	---	0.000	0.000	19.6	28.7	61.7	77.8	28.4
MAX	40	---	---	---	---	0.00	0.00	27	49	82	91	63
MIN	0.00	---	---	---	---	0.00	0.00	14	17	24	64	16
AC-FT	518	0.00	0.00	0.00	0.00	0.00	0.00	1208	1716	3790	4786	1692
CAL	YEAR	2010	TOTAL	6435	MEAN	34.8	MAX	94.0	MIN	0.000	AC-FT	12760
WTR	YEAR	2011	TOTAL	6912	MEAN	30.4	MAX	91.0	MIN	0.000	AC-FT	13710

# NORTH PLATTE RIVER BASIN

## COURTHOUSE ROCK CANAL from Pumpkin Creek, 00030000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
2	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
3	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
4	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
5	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
6	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
7	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
8	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
11	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	0.00	1.3	0.00	0.00	0.00	0.00
13	---	---	---	---	---	---	0.00	0.91	0.00	0.00	0.00	0.00
14	---	---	---	---	---	---	0.00	0.09	0.00	0.00	0.00	0.00
15	---	---	---	---	---	---	0.00	0.01	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	0.00	0.14	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	0.00	2.1	0.00	0.00	0.00	0.00
19	---	---	---	---	---	---	0.00	2.2	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	0.00	1.5	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
23	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	---	---	---	---	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	0	8.25	0	0	0	0
MEAN	0.000	---	---	---	---	0.000	0.000	0.27	0.000	0.000	0.000	0.000
MAX	0.00	---	---	---	---	0.00	0.00	2.2	0.00	0.00	0.00	0.00
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00
CAL	YEAR	2010	TOTAL	0	MEAN	0.000	MAX	0.000	MIN	0.000	AC-FT	0.00
WTR	YEAR	2011	TOTAL	8	MEAN	0.043	MAX	2.2	MIN	0.000	AC-FT	16

# NORTH PLATTE RIVER BASIN

## LAST CHANCE CANAL from Pumpkin Creek, 00080000

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

GAGE.--Continuous stage recorder

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
2	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
3	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
4	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
5	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
6	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
7	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
8	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
11	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
13	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
14	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
15	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
16	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
17	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
18	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
19	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
20	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
23	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	---	---	---	---	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0.000	---	---	---	---	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MAX	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAL	YEAR	2010	TOTAL	0	MEAN	0.000	MAX	0.000	MIN	0.000	AC-FT	0.00
WTR	YEAR	2011	TOTAL	0	MEAN	0.000	MAX	0.000	MIN	0.000	AC-FT	0.00



# NORTH PLATTE RIVER BASIN

## TRINNIER CANAL from Greenwood Creek, 00144200

LOCATION.--SE1/4NE1/4 Sec. 28-18-50 W. near Bridgeport

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

PERIOD OF RECORD.--1998 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	0.00	0.00	3.2	3.5e	1.1
2	---	---	---	---	---	---	0.00	0.00	0.00	2.9	3.5e	1.0
3	---	---	---	---	---	---	0.00	0.00	0.00	3.9	3.5e	0.47
4	---	---	---	---	---	---	0.00	0.00	0.00	4.3	3.1	0.48
5	---	---	---	---	---	---	0.00	0.00	0.00	3.3	2.8	0.84
6	---	---	---	---	---	---	0.00	0.00	0.00	3.1	2.7	0.59
7	---	---	---	---	---	---	0.00	0.00	1.7	3.6	2.9	0.61
8	---	---	---	---	---	---	0.00	0.00	2.3	4.0	2.5	0.82
9	---	---	---	---	---	---	0.00	0.00	1.9	3.4	2.3	1.1
10	---	---	---	---	---	---	0.00	0.00	2.2	2.3	2.3	1.2
11	---	---	---	---	---	---	0.00	0.00	2.5	1.7	2.9	1.7
12	---	---	---	---	---	---	0.00	0.00	3.0	1.2	2.2	1.8
13	---	---	---	---	---	---	0.00	0.00	2.9	1.6	1.6	1.7
14	---	---	---	---	---	---	0.00	0.00	2.8	2.6	2.5	0.56
15	---	---	---	---	---	---	0.00	0.00	2.9	3.0e	2.8	0.40
16	---	---	---	---	---	---	0.00	0.00	2.8	3.0e	2.1	1.5
17	---	---	---	---	---	---	0.00	0.00	2.2	4.5e	2.4	0.00
18	---	---	---	---	---	---	0.00	0.00	3.0	4.5e	3.2	0.00
19	---	---	---	---	---	---	0.00	0.00	3.2	4.2	2.5	0.00
20	---	---	---	---	---	---	0.00	0.00	3.3	4.0e	2.6	0.00
21	---	---	---	---	---	---	0.00	0.00	3.3	4.0e	2.8	0.00
22	---	---	---	---	---	---	0.00	0.00	3.3	4.0e	2.7	0.00
23	---	---	---	---	---	0.00	0.00	0.00	3.5	4.0e	2.8	0.00
24	---	---	---	---	---	0.00	0.00	0.00	3.5	3.3e	2.0	0.00
25	---	---	---	---	---	0.00	0.00	0.00	3.0	3.3e	2.6	0.00
26	---	---	---	---	---	0.00	0.00	0.00	3.5	3.3e	1.9	0.00
27	---	---	---	---	---	0.00	0.00	0.00	1.8	3.3e	1.7	0.00
28	---	---	---	---	---	0.00	0.00	0.00	2.7	3.5e	1.8	0.00
29	---	---	---	---	---	0.00	0.00	0.00	3.3	3.5e	1.6	0.00
30	---	---	---	---	---	0.00	0.00	0.00	3.4	3.5e	1.6	0.00
31	---	---	---	---	---	0.00	---	0.00	---	3.5e	1.4	---
TOTAL	0	0	0	0	0	0	0	0	68	103.5	76.8	15.87
MEAN	---	---	---	---	---	0.000	0.000	0.000	2.3	3.3	2.5	0.53
MAX	---	---	---	---	---	0.00	0.00	0.00	3.5	4.5	3.5	1.8
MIN	---	---	---	---	---	0.00	0.00	0.00	0.00	1.2	1.4	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	135	205	152	31
CAL	YEAR	2010	TOTAL	0	MEAN	0.000	MAX	0.000	MIN	0.000	AC-FT	0.00
WTR	YEAR	2011	TOTAL	264	MEAN	1.4	MAX	4.5	MIN	0.000	AC-FT	524

# NORTH PLATTE RIVER BASIN

## NELSON CANAL from Greenwood Creek, 00105500

LOCATION.--SE1/4SE1/4 Sec. 33-18-50 W. near Bridgeport

GAGE.--Continuous stage recorder and 4 ft. Cipolletti weir

PERIOD OF RECORD.--1998 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	3.2	3.0
2	---	---	---	---	---	---	0.00	0.00	0.00	0.00	3.1	2.9
3	---	---	---	---	---	---	0.00	0.00	0.00	0.00	3.0	2.5
4	---	---	---	---	---	---	0.00	0.00	0.00	0.00	3.0	2.4
5	---	---	---	---	---	---	0.00	0.00	0.00	0.00	2.8	2.4
6	---	---	---	---	---	---	0.00	0.00	0.00	0.00	2.8	2.5
7	---	---	---	---	---	---	0.00	0.00	0.00	0.00	2.7	2.4
8	---	---	---	---	---	---	0.00	0.00	0.00	0.00	2.6	2.1
9	---	---	---	---	---	---	0.00	0.00	0.00	1.3	2.5	2.0
10	---	---	---	---	---	---	0.00	0.00	0.00	2.0e	2.6	2.0
11	---	---	---	---	---	---	0.00	0.00	0.00	3.4	2.6	2.0
12	---	---	---	---	---	---	0.00	0.00	0.00	3.4	2.5e	2.0
13	---	---	---	---	---	---	0.00	0.00	0.00	0.97	2.5e	2.1
14	---	---	---	---	---	---	0.00	0.00	0.00	2.3	2.5e	2.1
15	---	---	---	---	---	---	0.00	0.00	0.00	0.94	2.5e	1.8
16	---	---	---	---	---	---	0.00	0.00	0.00	0.24	2.5e	0.81
17	---	---	---	---	---	---	0.00	0.00	0.00	0.32	2.2e	0.00
18	---	---	---	---	---	---	0.00	0.00	0.00	1.5e	2.2e	0.00
19	---	---	---	---	---	---	0.00	0.00	0.00	3.5	2.2e	0.00
20	---	---	---	---	---	---	0.00	0.00	0.00	4.0e	2.2e	0.00
21	---	---	---	---	---	---	0.00	0.00	0.00	4.2	2.0e	0.00
22	---	---	---	---	---	---	0.00	0.00	0.00	4.5	2.0e	0.00
23	---	---	---	---	---	0.00	0.00	0.00	0.00	4.5	2.0e	0.00
24	---	---	---	---	---	0.00	0.00	0.00	0.00	4.1	2.0e	0.00
25	---	---	---	---	---	0.00	0.00	0.00	0.00	4.1	2.0e	0.00
26	---	---	---	---	---	0.00	0.00	0.00	0.00	3.9	1.9	0.00
27	---	---	---	---	---	0.00	0.00	0.00	0.00	3.7	1.9	0.00
28	---	---	---	---	---	0.00	0.00	0.00	0.00	3.6	2.1	0.00
29	---	---	---	---	---	0.00	0.00	0.00	0.00	3.2e	2.3	0.00
30	---	---	---	---	---	0.00	0.00	0.00	0.00	3.2e	2.5	0.00
31	---	---	---	---	---	0.00	---	0.00	---	3.2e	2.5e	---
TOTAL	0	0	0	0	0	0	0	0	0	66.07	75.4	35.01
MEAN	0.000	---	---	---	---	0.000	0.000	0.000	0.000	2.1	2.4	1.2
MAX	0.00	---	---	---	---	0.00	0.00	0.00	0.00	4.5	3.2	3.0
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	1.9	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	131	150	69
CAL	YEAR	2010	TOTAL	350	MEAN	3.9	MAX	12.0	MIN	0.000	AC-FT	695
WTR	YEAR	2011	TOTAL	176	MEAN	0.91	MAX	4.5	MIN	0.000	AC-FT	350

e indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## MEREDITH-AMMER CANAL from Pumpkin Creek, 00088000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	0.00	3.4	1.2	2.3
2	---	---	---	---	---	---	0.00	0.00	0.00	3.1	0.96	3.3
3	---	---	---	---	---	---	0.00	0.00	0.00	3.2	0.82	3.4
4	---	---	---	---	---	---	0.00	0.00	0.00	3.5	1.00	3.5
5	---	---	---	---	---	---	0.00	0.00	0.00	3.4	1.3	3.6
6	---	---	---	---	---	---	0.00	0.00	0.00	3.4	2.0	3.9
7	---	---	---	---	---	---	0.00	0.00	0.00	3.3	2.4	4.2
8	---	---	---	---	---	---	0.00	0.00	0.00	3.1	1.5	4.1
9	---	---	---	---	---	---	0.00	0.00	0.00	3.1	0.39	4.1
10	---	---	---	---	---	---	0.00	0.00	0.00	3.1	0.59	4.0
11	---	---	---	---	---	---	0.00	0.00	0.00	2.9	0.59	3.9
12	---	---	---	---	---	---	0.00	0.00	0.00	2.9	0.59	3.8
13	---	---	---	---	---	---	0.00	0.00	0.00	1.00	0.58	4.0
14	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	4.4
15	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	5.1
16	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	4.8
17	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	4.2
18	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	4.1
19	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	3.8
20	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	4.4
21	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	4.4
22	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	4.2
23	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	4.1
24	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	3.8
25	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	2.7
26	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	1.6
27	---	---	---	---	---	0.00	0.00	0.00	0.00	1.9	0.00	1.0
28	---	---	---	---	---	0.00	0.00	0.00	2.1	2.3	0.00	0.20
29	---	---	---	---	---	0.00	0.00	0.00	3.1	1.5	0.00	0.00
30	---	---	---	---	---	0.00	0.00	0.00	3.3	1.2	0.00	0.00
31	---	---	---	---	---	0.00	---	0.00	---	1.2	0.00	---
TOTAL	0	0	0	0	0	0	0	0	8.5	47.5	13.92	100.9
MEAN	0.000	---	---	---	---	0.000	0.000	0.000	0.28	1.5	0.45	3.4
MAX	0.00	---	---	---	---	0.00	0.00	0.00	3.3	3.5	2.4	5.1
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17	94	28	200
CAL	YEAR	2010	TOTAL	66	MEAN	0.39	MAX	4.2	MIN	0.000	AC-FT	130
WTR	YEAR	2011	TOTAL	171	MEAN	0.89	MAX	5.1	MIN	0.000	AC-FT	339

# NORTH PLATTE RIVER BASIN

## PUMPKIN CREEK near Bridgeport, 06685000

LOCATION.--SE1/4SW1/4 Sec. 12-19-50 W., Morrill County, Lat. 41° 37' 38", Long. 103° 02' 10", on right bank 150 feet downstream from bridge on U.S. Highway 385 and State Highway 92, 0.5 miles upstream from mouth, and 4 miles southeast of Bridgeport.

DRAINAGE AREA.--Approximately 1,020 square miles.

GAGE.--Continuous stage recorder. Gage datum is 3,635.99 feet above sea level.

PERIOD OF RECORD.--Feb. 1931 - present

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

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 7,880 cubic feet per second June 9, 1965, gage height 9.98 feet, present datum; no flow many years since 1975.

EXTREMES FOR CURRENT YEAR.--Peak discharge 67 cubic feet per second April 2, gage height 3.16 feet; minimum daily discharge 0.00 cubic feet per second July 29-August 5, August 26-September 6.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	19	9.1	13e	13e	8.5e	13	19	12	12	0.20	0.00	0.00
2	19	9.1	16e	14e	13e	13	34	13	11	0.04	0.00	0.00
3	20	9.1	14e	14e	16e	13	32	13	10	0.05	0.00	0.00
4	20	9.6	12e	15e	17e	12	30	13	9.7	0.33	0.00	0.00
5	20	10	12e	16e	18e	12	21	13	9.2	0.51	0.00	0.00
6	19	11	11e	16e	20e	12	14	12	8.7	0.54	0.11	0.00
7	19	11	13e	17e	18e	12e	9.3	13	8.5	2.5	0.13	0.10
8	19	11	12e	17e	12e	11e	13	12	8.3	2.8	0.27	0.35
9	20	11	12e	16e	17e	13e	11	12	8.1	2.5	0.75	0.74
10	21	11	11e	16e	23e	11e	13	11	8.0	1.9	1.1	0.62
11	19	12	11e	15e	24e	14	12	11	7.9	0.81	1.9	0.60
12	19	12	11e	15e	24e	14	13e	14	7.8	0.25	2.2	0.62
13	18	11	11e	16e	23e	14	13e	16	7.6	4.6	2.3	0.78
14	19	11	12e	16e	25e	14	13	15	7.4	7.4	2.0	1.9
15	19	12	12e	17e	17e	14	14	14	7.2	10	1.5	3.1
16	8.9	12	10e	18e	4.7e	13	15	14	6.7	10	0.84	3.0
17	6.6	12	10e	19e	4.4e	13	14	14	7.0	9.0	0.54	3.3
18	7.1	12	9.8e	20e	4.7e	13	14	13	7.3	8.3	0.59	3.2
19	7.4	11	9.9e	20e	5.5e	13	14	11	8.7	7.0	0.48	3.2
20	7.2	11	11e	19e	5.8e	13	13	14	11	6.0	0.75	3.1
21	7.6	12	12e	19e	7.2e	13	13	18	11	4.8	0.61	3.3
22	8.2	12e	11e	19e	8.4e	13	15	17	10.0	3.2	0.27	3.3
23	8.8	12e	11e	19e	9.6e	13	14	18	10.0	1.3	0.16	3.2
24	8.4	12e	11e	19e	8.0e	13	13	16	11	1.1	0.11	2.9
25	8.8	13e	11e	18e	6.3e	14	14	16	11	1.0	0.12	2.7
26	8.7	13e	15e	12e	13e	13	14	16	9.7	0.87	0.00	2.7
27	8.5	13e	17e	7.5e	11e	13	17	15	9.1	0.41	0.00	2.7
28	8.4	13e	14e	6.7e	11e	13	16	15	6.0	0.11	0.00	2.7
29	9.2	13e	13e	5.7e	---	14	14	14	3.3	0.00	0.00	2.7
30	9.4	12e	14e	5.3e	---	14	13	13	1.1	0.00	0.00	2.8
31	9.4	---	13e	6.1e	---	14	---	13	---	0.00	0.00	---
TOTAL	422.6	342.9	375.7	466.3	375.1	404	474.3	431	254.3	87.52	16.73	53.61
MEAN	13.6	11.4	12.1	15.0	13.4	13.0	15.7	13.8	8.5	2.8	0.54	1.8
MAX	21	13	17	20	25	14	34	18	12	10	2.3	3.3
MIN	6.6	9.1	9.8	5.3	4.4	11	9.3	11	1.1	0.00	0.00	0.00
AC-FT	838	680	745	925	744	801	941	855	504	174	33	106
CAL	YEAR	2010	TOTAL	4033	MEAN	11.0	MAX	80.0	MIN	0.62	AC-FT	7999
WTR	YEAR	2011	TOTAL	3704	MEAN	10.1	MAX	34.0	MIN	0.000	AC-FT	7347

e indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## BEERLINE CANAL from North Platte River, 00007000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.6	---	---	---	---	---	0.00	0.00	0.00	0.00	9.8	8.8
2	3.2	---	---	---	---	---	0.00	0.00	0.00	0.00	9.9	9.2
3	3.0	---	---	---	---	0.00	0.00	0.00	0.00	0.00	10.0	9.4
4	2.1	---	---	---	---	0.00	0.00	0.00	0.00	0.00	10	9.8
5	0.35	---	---	---	---	0.00	0.00	0.00	0.00	0.00	11	10
6	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	11	10
7	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	12	10
8	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	12	10
9	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	13	9.6
10	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	13	9.7
11	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	11	9.6
12	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	8.2	9.6
13	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	7.8	9.6
14	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	7.7	9.5
15	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	7.6	9.8
16	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	9.0	9.0
17	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	9.5	5.4
18	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	9.0	5.1
19	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	8.7	5.0
20	---	---	---	---	---	0.00	0.00	0.00	0.00	5.8	8.6	4.8
21	---	---	---	---	---	0.00	0.00	0.00	0.00	8.3	8.7	4.7
22	---	---	---	---	---	0.00	0.00	0.00	0.00	8.7	8.7	4.7
23	---	---	---	---	---	0.00	0.00	0.00	0.00	8.9	8.7	4.5
24	---	---	---	---	---	0.00	0.00	0.00	0.00	9.1	8.5	4.5
25	---	---	---	---	---	0.00	0.00	0.00	0.00	9.2	8.0	4.1
26	---	---	---	---	---	0.00	0.00	0.00	0.00	9.2	8.7	2.9
27	---	---	---	---	---	0.00	0.00	0.00	0.00	9.1	8.0	1.8
28	---	---	---	---	---	0.00	0.00	0.00	0.00	11	9.0	1.7
29	---	---	---	---	---	0.00	0.00	0.00	0.00	12	11	1.6
30	---	---	---	---	---	0.00	0.00	0.00	0.00	10	12	1.8
31	---	---	---	---	---	0.00	---	0.00	---	9.9	12	---
TOTAL	11.25	0	0	0	0	0	0	0	0	111.2	302.1	206.2
MEAN	1.6	---	---	---	---	0.000	0.000	0.000	0.000	3.6	9.7	6.9
MAX	3.2	---	---	---	---	0.00	0.00	0.00	0.00	12	13	10
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	7.6	1.6
AC-FT	22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	221	599	409
CAL	YEAR	2010	TOTAL	961	MEAN	5.5	MAX	19.0	MIN	0.000	AC-FT	1907
WTR	YEAR	2011	TOTAL	631	MEAN	2.9	MAX	13.0	MIN	0.000	AC-FT	1251

# NORTH PLATTE RIVER BASIN

## LISCO CANAL from North Platte River, 00082000

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

GAGE.--Continuous stage recorder and weir

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	28	---	---	---	---	---	0.00	35	41	41	44	41
2	23	---	---	---	---	---	0.00	38	41	41	45	36
3	17	---	---	---	---	0.00	0.00	38	42	41	44	36
4	28	---	---	---	---	0.00	0.00	38	41	42	43	38
5	27	---	---	---	---	0.00	0.00	39	41	43	45	36
6	23	---	---	---	---	0.00	0.00	39	41	40	44	40
7	23	---	---	---	---	0.00	0.00	39	40	41	43	37
8	26	---	---	---	---	0.00	0.00	39	41	42	41	36
9	30	---	---	---	---	0.00	0.00	39	41	42	41	31
10	33	---	---	---	---	0.00	0.00	39	40	42	45	31
11	17	---	---	---	---	0.00	0.00	34	41	43	43	29
12	0.00	---	---	---	---	0.00	0.00	43	42	42	42	25
13	0.00	---	---	---	---	0.00	47	32	42	42	41	18
14	0.00	---	---	---	---	0.00	46	41	40	44	41	24
15	0.00	---	---	---	---	0.00	36	45	41	57	40	41
16	0.00	---	---	---	---	0.00	33	35	41	42	40	36
17	0.00	---	---	---	---	0.00	35	35	41	43	40	31
18	0.00	---	---	---	---	0.00	39	42	42	43	39	27
19	---	---	---	---	---	0.00	43	40	42	44	38	21
20	---	---	---	---	---	0.00	43	40	41	44	39	19
21	---	---	---	---	---	0.00	42	40	42	44	39	29
22	---	---	---	---	---	0.00	37	41	41	46	40	37
23	---	---	---	---	---	0.00	27	41	41	44	38	49
24	---	---	---	---	---	0.00	25	41	41	40	34	36
25	---	---	---	---	---	0.00	30	41	41	40	38	27
26	---	---	---	---	---	0.00	39	41	41	41	32	22
27	---	---	---	---	---	0.00	34	41	41	45	31	34
28	---	---	---	---	---	0.00	34	41	41	45	25	31
29	---	---	---	---	---	0.00	34	41	42	44	35	33
30	---	---	---	---	---	0.00	33	41	42	44	39	34
31	---	---	---	---	---	0.00	---	41	---	41	40	---
TOTAL	275	0	0	0	0	0	657	1220	1235	1333	1229	965
MEAN	15.3	---	---	---	---	0.000	21.8	39.3	41.2	43.1	39.7	32.2
MAX	33	---	---	---	---	0.00	47	45	42	57	45	49
MIN	0.00	---	---	---	---	0.00	0.00	32	40	40	25	18
AC-FT	545	0.00	0.00	0.00	0.00	0.00	1303	2420	2450	2644	2438	1914
CAL	YEAR	2010	TOTAL	4253	MEAN	22.5	MAX	92.0	MIN	0.000	AC-FT	8436
WTR	YEAR	2011	TOTAL	6914	MEAN	30.1	MAX	57.0	MIN	0.000	AC-FT	13710

# NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER at Lisco, 06686000

LOCATION.--SW1/4NE1/4 Sec. 33-18-46 W., Garden County, Lat. 41° 29' 24", Long. 102° 37' 29", on left bank 40 feet downstream of Road 151 bridge, and 0.5 mile south of Lisco.

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

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

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

REMARKS.--Published by the USGS up to Oct. 1, 1994. Records are good, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 9,126 cubic feet per second June 19, gage height 5.28 feet; minimum daily discharge 700 cubic feet per second estimated January 4-7.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1450	1300	1200e	800e	800e	797	5040	5060	7680	6560	3540	3590
2	1360	1270	1240	750e	800e	778	4930	5100	7600	6390	3510	3840
3	1300	1260	1240	750e	800e	891	4940	5180	7400	6250	3490	3910
4	1290	1220	1080	700e	800e	948	4870	5190	7230	6190	3530	4030
5	1210	1230	1040	700e	800e	1020	4890	5190	7150	6470	3700	4200
6	1180	1250	986	700e	800e	1240	4880	5300	7110	6120	3680	4240
7	1120	1320	1060	700e	800e	1470	4850	5380	7100	6060	3690	4370
8	1070	1340	999	800e	800e	1830	4670	5680	7280	5880	3660	4490
9	1050	1260	1040	800e	800e	2150	4800	5880	7460	5750	3720	4510
10	1120	1240	1040	800e	800e	2490	4940	5920	7480	5560	3820	4530
11	1110	1250	968	800e	800e	2630	5040	6000	7630	5290	3930	4620
12	1100	1300	950e	900e	800e	2920	5020	6190	7750	5120	3970	4630
13	1120	1280	900e	1000e	800e	3110	5030	6300	7850	5270	3830	4680
14	1170	1280	900e	1010	800e	3270	5010	6640	7970	5290	3820	4720
15	1300	1290	900e	1000e	800e	3550	5140	6870	8050	5820	3930	4840
16	1340	1290	900e	1000e	800e	3640	5160	6700	8130	5450	4000	5000
17	1350	1310	900e	900e	800e	3750	5160	6600	8040	4990	4020	5200
18	1360	1320	1000e	900e	800e	3930	5210	6690	8220	4700	3990	5250
19	1370	1300	1000e	800e	800e	4140	5380	7040	8780	4470	3980	5050
20	1360	1280	1000e	800e	850e	4330	5430	7130	8750	4340	4040	4940
21	1330	1270	1000e	750e	850e	4630	5340	7270	8510	4310	4100	4850
22	1320	1270	1000e	750e	838	4820	5340	7510	8660	4200	4160	4850
23	1340	1260	1000e	750e	835	4830	5140	7660	8460	4050	4170	4850
24	1350	1250	1000e	750e	803	4790	5110	7700	8200	3970	4080	4860
25	1400	1200e	1000e	750e	821	4780	5100	7690	8060	3900	3990	4760
26	1340	1200e	1000e	750e	830	4920	5060	7870	8050	3880	3760	4310
27	1300	1280e	1000e	750e	814	4940	5050	8380	8040	3830	3090	3850
28	1270	1200e	1000e	750e	767	4990	5110	8200	7390	3770	2660	3750
29	1300	1200e	1000e	750e	---	4980	5220	8040	6980	3710	2470	3830
30	1300	1200e	900e	750e	---	4940	5090	7830	6830	3650	2560	3800
31	1300	---	800e	800e	---	4990	---	7760	---	3580	2970	---
TOTAL	39280	37920	31043	24910	22608	102494	151950	205950	233840	154820	113860	134350
MEAN	1267	1263	1001	803.5	807.4	3306	5065	6644	7794	4995	3673	4478
MAX	1450	1340	1240	1010	850	4990	5430	8380	8780	6560	4170	5250
MIN	1050	1200	800	700	767	778	4670	5060	6830	3580	2470	3590
AC-FT	77910	75210	61570	49410	44840	203300	301400	408500	463800	307100	225800	266500
CAL	YEAR	2010	TOTAL	685046	MEAN	1877	MAX	6360	MIN	520.0	AC-FT	1359000
WTR	YEAR	2011	TOTAL	1253025	MEAN	3433	MAX	8780	MIN	700.0	AC-FT	2485000

e indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

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

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

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

PERIOD OF RECORD.--1924 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	0.00	3.2	5.7	6.9
2	0.00	---	---	---	---	---	0.00	0.00	0.00	4.1	6.3	9.1
3	0.00	---	---	---	---	0.00	0.00	0.00	0.00	4.1	8.0	7.1
4	0.00	---	---	---	---	0.00	0.00	0.00	0.00	3.6	11	2.7
5	0.00	---	---	---	---	0.00	0.00	0.00	0.00	3.2	12	0.00
6	0.00	---	---	---	---	0.00	0.00	0.00	0.00	3.1	11	0.00
7	---	---	---	---	---	0.00	0.00	0.00	0.00	3.2	7.8	0.00
8	---	---	---	---	---	0.00	0.00	0.00	0.00	4.2	1.1	0.00
9	---	---	---	---	---	0.00	0.00	0.00	0.00	4.5	0.90	0.00
10	---	---	---	---	---	0.00	0.00	0.00	0.00	4.3	0.87	0.00
11	---	---	---	---	---	0.00	0.00	0.00	0.00	4.0	0.82	0.00
12	---	---	---	---	---	0.00	0.00	0.00	0.00	4.0	0.78	0.00
13	---	---	---	---	---	0.00	0.00	0.00	0.00	7.2	0.75	0.00
14	---	---	---	---	---	0.00	0.00	0.00	0.00	8.7	0.75	0.00
15	---	---	---	---	---	0.00	0.00	0.00	0.00	7.2	5.7	0.00
16	---	---	---	---	---	0.00	0.00	0.00	0.00	0.58	6.8	0.00
17	---	---	---	---	---	0.00	0.00	0.00	0.00	0.55	3.1	0.00
18	---	---	---	---	---	0.00	0.00	0.00	0.00	0.55	2.8	0.00
19	---	---	---	---	---	0.00	0.00	0.00	0.00	0.55	2.6	0.00
20	---	---	---	---	---	0.00	0.00	6.0	0.00	0.55	2.6	2.7
21	---	---	---	---	---	0.00	0.00	16	0.00	0.55	2.7	5.8
22	---	---	---	---	---	0.00	0.00	15	0.00	0.55	2.9	5.9
23	---	---	---	---	---	0.00	0.00	5.9	0.00	0.55	3.1	6.1
24	---	---	---	---	---	0.00	0.00	0.00	0.00	0.55	3.0	6.1
25	---	---	---	---	---	0.00	0.00	0.00	0.00	5.0	2.9	6.3
26	---	---	---	---	---	0.00	0.00	0.00	0.00	6.9	2.7	6.4
27	---	---	---	---	---	0.00	0.00	0.00	0.00	7.1	1.6	6.3
28	---	---	---	---	---	0.00	0.00	0.00	0.00	7.0	0.97	5.2
29	---	---	---	---	---	0.00	0.00	0.00	0.00	6.9	2.2	2.7
30	---	---	---	---	---	0.00	0.00	0.00	0.00	6.4	3.0	2.6
31	---	---	---	---	---	0.00	---	0.00	---	5.9	3.8	---
TOTAL	0	0	0	0	0	0	0	42.9	0	118.78	120.24	81.9
MEAN	0.000	---	---	---	---	0.000	0.000	1.4	0.000	3.8	3.9	2.7
MAX	0.00	---	---	---	---	0.00	0.00	16	0.00	8.7	12	9.1
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.55	0.75	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85	0.00	236	238	162
CAL	YEAR	2010	TOTAL	662	MEAN	3.7	MAX	25.0	MIN	0.000	AC-FT	1313
WTR	YEAR	2011	TOTAL	364	MEAN	1.7	MAX	16.0	MIN	0.000	AC-FT	722



# NORTH PLATTE RIVER BASIN

## PAISLEY CANAL from Blue Creek, 00120000

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

GAGE.--Continuous stage recorder and 4 ft. Parshall flume with modified rating

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	11	---	---	---	---	---	0.00	0.00	0.00	12	9.8	7.0
2	11	---	---	---	---	---	0.00	0.00	0.00	12	11	3.6
3	7.2	---	---	---	---	---	0.00	0.00	0.00	13	11	0.01
4	0.00	---	---	---	---	---	0.00	0.00	0.00	12	10	0.00
5	0.00	---	---	---	---	---	0.00	0.00	0.00	12	3.7	0.00
6	0.00	---	---	---	---	---	0.00	0.00	0.00	13	0.06	0.00
7	---	---	---	---	---	---	0.00	0.00	0.00	13	0.00	0.00
8	---	---	---	---	---	---	0.00	0.00	0.00	13	0.00	0.00
9	---	---	---	---	---	---	0.00	0.00	0.00	13	7.6	0.00
10	---	---	---	---	---	---	0.00	0.00	0.00	11	13	0.00
11	---	---	---	---	---	0.00	0.00	0.00	0.00	12	13	0.00
12	---	---	---	---	---	0.00	0.00	0.00	0.00	13	13	6.1
13	---	---	---	---	---	0.00	0.00	0.00	0.00	8.7	8.1	9.1
14	---	---	---	---	---	0.00	0.00	0.00	0.00	4.5	0.05	11
15	---	---	---	---	---	0.00	0.00	0.00	0.00	5.6	0.00	11
16	---	---	---	---	---	0.00	0.00	0.00	0.00	3.3	0.23	11
17	---	---	---	---	---	0.00	0.00	0.00	0.00	0.59	7.4	7.9
18	---	---	---	---	---	0.00	0.00	0.00	0.00	0.12	8.7	7.5
19	---	---	---	---	---	0.00	0.00	0.00	0.00	3.9	10	8.0
20	---	---	---	---	---	0.00	0.00	0.00	0.00	7.5	10	7.7
21	---	---	---	---	---	0.00	0.00	0.00	0.00	8.9	10	7.2
22	---	---	---	---	---	0.00	0.00	0.00	0.00	9.8	9.2	7.1
23	---	---	---	---	---	0.00	0.00	0.00	0.00	11	3.5	7.1
24	---	---	---	---	---	0.00	0.00	0.00	0.00	9.8	0.00	7.1
25	---	---	---	---	---	0.00	0.00	0.00	0.00	10	0.00	7.9
26	---	---	---	---	---	0.00	0.00	0.00	0.00	11	0.30	9.0
27	---	---	---	---	---	0.00	0.00	0.00	0.00	10	0.73	8.6
28	---	---	---	---	---	0.00	0.00	0.00	0.00	10	0.39	8.8
29	---	---	---	---	---	0.00	0.00	0.00	8.9	10.0	5.3	8.8
30	---	---	---	---	---	0.00	0.00	0.00	11	10.0	9.2	8.5
31	---	---	---	---	---	0.00	---	0.00	---	9.7	11	---
TOTAL	29.2	0	0	0	0	0	0	0	19.9	293.41	186.26	170.01
MEAN	4.9	---	---	---	---	0.000	0.000	0.000	0.68	9.5	6.1	5.7
MAX	11	---	---	---	---	0.00	0.00	0.00	11	13	13	11
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.12	0.00	0.00
AC-FT	58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39	582	369	337
CAL	YEAR	2010	TOTAL	813	MEAN	4.6	MAX	16.0	MIN	0.000	AC-FT	1613
WTR	YEAR	2011	TOTAL	699	MEAN	3.3	MAX	13.0	MIN	0.000	AC-FT	1386

# NORTH PLATTE RIVER BASIN

## BLUE CREEK & HOOPER CANAL from Blue Creek, 00017200

LOCATION.--NW1/4NE1/4 Sec. 6-16-42 W. near Lewellen

GAGE.--Continuous stage recorder and 8 ft. Parshall Flume with modified rating

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

REMARKS.--Total diversion from Blue Creek for both Blue Creek Canal and Hooper Canal. Diversion at this site before 1996 was for Blue Creek Canal only. Starting in 1996 Blue Creek Canal also started diverting water for the Hooper Canal. Hooper Canal has a separate measuring device. Deliveries to Hooper Canal shown separately in this report. Starting in 2003, the Blue Creek Canal also delivers water to lands formerly served by the Graf Canal. There is no longer a Graf Canal diversion.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	15	---	---	---	---	---	0.00	0.00	7.9	19	55	55
2	15	---	---	---	---	---	0.00	0.00	12	18	54	57
3	17	---	---	---	---	---	0.00	0.00	12	18	54	61
4	19	---	---	---	---	---	0.00	0.00	12	18	55	61
5	15	---	---	---	---	---	0.00	0.00	12	23	51	62
6	15	---	---	---	---	---	0.00	0.00	12	29	44	61
7	7.7	---	---	---	---	---	0.00	0.00	14	30	43	61
8	1.5	---	---	---	---	---	0.00	0.00	16	35	41	61
9	1.1	---	---	---	---	---	0.00	0.00	17	40	42	61
10	0.00	---	---	---	---	---	0.00	0.00	18	40	51	61
11	0.00	---	---	---	---	0.00	0.00	0.00	19	51	51	59
12	0.00	---	---	---	---	0.00	0.00	0.00	22	56	50	18
13	0.00	---	---	---	---	0.00	0.00	0.00	17	43	53	0.00
14	0.00	---	---	---	---	0.00	0.00	0.00	18	32	57	0.00
15	0.00	---	---	---	---	0.00	0.00	0.00	23	31	58	0.00
16	0.00	---	---	---	---	0.00	0.00	0.00	24	31	57	0.00
17	0.00	---	---	---	---	0.00	0.00	0.00	24	30	52	11
18	0.00	---	---	---	---	0.00	0.00	0.00	25	33	52	30
19	---	---	---	---	---	0.00	0.00	0.00	24	46	51	31
20	---	---	---	---	---	0.00	0.00	0.00	22	57	52	27
21	---	---	---	---	---	0.00	0.00	0.00	22	54	53	27
22	---	---	---	---	---	0.00	0.00	0.00	19	55	52	27
23	---	---	---	---	---	0.00	0.00	0.00	28	57	53	27
24	---	---	---	---	---	0.00	0.00	0.00	35	55	53	27
25	---	---	---	---	---	0.00	0.00	0.00	32	56	52	27
26	---	---	---	---	---	0.00	0.00	0.00	24	59	51	28
27	---	---	---	---	---	0.00	0.00	3.8	22	57	49	28
28	---	---	---	---	---	0.00	0.00	9.5	22	57	51	28
29	---	---	---	---	---	0.00	0.00	6.6	23	56	52	28
30	---	---	---	---	---	0.00	0.00	6.5	22	56	57	28
31	---	---	---	---	---	0.00	---	6.9	---	56	56	---
TOTAL	106.3	0	0	0	0	0	0	33.3	599.9	1298	1602	1052
MEAN	5.8	---	---	---	---	0.000	0.000	1.1	20.0	41.9	51.7	35.3
MAX	19	---	---	---	---	0.00	0.00	9.5	35	59	58	62
MIN	0.00	---	---	---	---	0.00	0.00	0.00	7.9	18	41	0.00
AC-FT	211	0.00	0.00	0.00	0.00	0.00	0.00	66	1190	2575	3178	2087
CAL	YEAR	2010	TOTAL	4007	MEAN	21.1	MAX	55.0	MIN	0.000	AC-FT	7947
WTR	YEAR	2011	TOTAL	4692	MEAN	21.1	MAX	62.0	MIN	0.000	AC-FT	9305

# NORTH PLATTE RIVER BASIN

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

LOCATION.--SE1/4NE1/4 Sec. 7-16-42 W. near Lewellen

GAGE.--Continuous stage recorder and 4 ft. rectangular weir

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	0.00	2.0	7.3	4.1
2	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	8.2	3.8
3	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	8.2	4.0
4	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	7.7	4.0
5	0.00	---	---	---	---	---	0.00	0.00	0.00	9.6	6.2	6.4
6	0.00	---	---	---	---	---	0.00	0.00	0.00	4.0	3.6	9.4
7	0.00	---	---	---	---	---	0.00	0.00	0.00	5.6	0.00	9.7
8	---	---	---	---	---	---	0.00	0.00	0.00	6.3	0.00	7.5
9	---	---	---	---	---	---	0.00	0.00	0.00	6.8	0.00	4.3
10	---	---	---	---	---	---	0.00	0.00	0.42	7.3	0.00	2.9
11	---	---	---	---	---	---	0.00	0.00	2.8	9.1	0.00	2.8
12	---	---	---	---	---	---	0.00	0.00	5.2	9.1	1.4	1.1
13	---	---	---	---	---	---	0.00	0.00	4.3	4.2	4.1	0.00
14	---	---	---	---	---	---	0.00	0.00	6.2	3.9	3.6	0.00
15	---	---	---	---	---	---	0.00	0.00	3.9	3.4	6.6	0.00
16	---	---	---	---	---	0.00	0.00	0.00	3.6	3.4	4.9	0.00
17	---	---	---	---	---	0.00	0.00	0.00	2.7	3.5	3.0	0.00
18	---	---	---	---	---	0.00	0.00	0.00	0.43	1.2	2.5	0.00
19	---	---	---	---	---	0.00	0.00	0.00	0.00	6.6	1.9	0.00
20	---	---	---	---	---	0.00	0.00	0.00	0.00	7.9	3.1	0.00
21	---	---	---	---	---	0.00	0.00	0.00	0.00	8.0	3.2	0.00
22	---	---	---	---	---	0.00	0.00	0.00	0.00	7.7	4.5	0.00
23	---	---	---	---	---	0.00	0.00	0.00	0.00	8.1	3.5	0.00
24	---	---	---	---	---	0.00	0.00	0.00	0.00	8.4	6.8	0.00
25	---	---	---	---	---	0.00	0.00	0.00	0.00	8.7	6.7	0.00
26	---	---	---	---	---	0.00	0.00	0.00	0.00	9.4	8.7	0.00
27	---	---	---	---	---	0.00	0.00	0.00	0.31	9.1	7.5	0.00
28	---	---	---	---	---	0.00	0.00	0.00	2.7	8.8	7.0	0.00
29	---	---	---	---	---	0.00	0.00	0.00	6.3	8.2	7.3	0.00
30	---	---	---	---	---	0.00	0.00	0.00	6.6	7.3	8.4	0.00
31	---	---	---	---	---	0.00	---	0.00	---	5.4	8.6	---
TOTAL	0	0	0	0	0	0	0	0	45.46	183	144.5	60
MEAN	0.000	---	---	---	---	0.000	0.000	0.000	1.5	5.9	4.7	2.0
MAX	0.00	---	---	---	---	0.00	0.00	0.00	6.6	9.6	8.7	9.7
MIN	0.00	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90	363	287	119
CAL	YEAR	2010	TOTAL	497	MEAN	2.8	MAX	10.0	MIN	0.000	AC-FT	986
WTR	YEAR	2011	TOTAL	433	MEAN	2.1	MAX	9.7	MIN	0.000	AC-FT	859

# NORTH PLATTE RIVER BASIN

## UNION CANAL from Blue Creek, 00146000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	---	---	---	---	0.00	0.00	0.00	6.2	7.3	2.8
2	0.00	---	---	---	---	---	0.00	0.00	0.00	4.7	7.7	4.2
3	0.00	---	---	---	---	---	0.00	0.00	1.5	5.8	8.6	3.9
4	0.00	---	---	---	---	---	0.00	0.00	1.4	5.9	7.9	4.4
5	3.6	---	---	---	---	---	0.00	0.00	0.00	3.2	6.6	3.3
6	8.5	---	---	---	---	---	0.00	0.00	0.00	2.9	5.1	5.1
7	9.0	---	---	---	---	---	0.00	0.00	0.00	3.8	6.3	5.6
8	6.3	---	---	---	---	---	0.00	0.00	0.00	3.9	9.7	3.8
9	0.00	---	---	---	---	---	0.00	2.0	2.5	2.9	6.8	2.9
10	0.00	---	---	---	---	---	0.00	3.5	2.9	2.9	6.1	2.7
11	0.00	---	---	---	---	0.00	0.00	2.9	0.00	2.9	5.8	2.6
12	0.00	---	---	---	---	0.00	0.00	3.1	0.00	2.9	6.7	1.1
13	0.00	---	---	---	---	0.00	0.00	3.1	0.00	3.8	6.1	0.44
14	0.00	---	---	---	---	0.00	0.00	2.9	0.00	2.9	6.2	0.91
15	0.00	---	---	---	---	0.00	0.00	2.7	0.00	3.1	5.6	1.2
16	0.00	---	---	---	---	0.00	0.00	2.6	1.1	3.2	4.9	2.3
17	0.00	---	---	---	---	0.00	0.00	2.9	2.9	2.9	4.6	1.8
18	0.00	---	---	---	---	0.00	0.00	2.9	2.6	2.9	4.2	2.8
19	0.00	---	---	---	---	0.00	0.00	1.0	1.0	4.7	3.6	4.7
20	0.00	---	---	---	---	0.00	0.00	0.00	0.00	6.3	3.6	5.2
21	0.00	---	---	---	---	0.00	0.00	0.00	0.00	5.2	3.7	5.2
22	0.00	---	---	---	---	0.00	0.00	0.00	0.00	7.3	3.4	5.5
23	0.00	---	---	---	---	0.00	0.00	0.00	0.00	6.0	4.0	5.8
24	0.00	---	---	---	---	0.00	0.00	0.00	0.00	6.5	4.2	5.0
25	0.00	---	---	---	---	0.00	0.00	0.00	0.00	6.3	4.1	3.5
26	0.00	---	---	---	---	0.00	0.00	0.00	0.00	5.7	4.5	3.3
27	0.00	---	---	---	---	0.00	0.00	0.00	2.9	6.4	2.9	2.9
28	0.00	---	---	---	---	0.00	0.00	0.00	6.0	10.0	3.0	2.9
29	0.00	---	---	---	---	0.00	0.00	0.00	5.0	11	3.1	3.0
30	0.00	---	---	---	---	0.00	0.00	0.00	6.8	8.8	2.5	3.9
31	0.00	---	---	---	---	0.00	---	0.00	---	8.2	2.8	---
TOTAL	27.4	0	0	0	0	0	0	29.6	36.6	159.2	161.6	102.75
MEAN	0.88	0.000	---	---	---	0.000	0.000	0.96	1.2	5.1	5.2	3.4
MAX	9.0	0.00	---	---	---	0.00	0.00	3.5	6.8	11	9.7	5.8
MIN	0.00	0.00	---	---	---	0.00	0.00	0.00	0.00	2.9	2.5	0.44
AC-FT	54	0.00	0.00	0.00	0.00	0.00	0.00	59	73	316	321	204
CAL	YEAR	2010	TOTAL	689	MEAN	3.4	MAX	15.0	MIN	0.000	AC-FT	1366
WTR	YEAR	2011	TOTAL	517	MEAN	2.2	MAX	11.0	MIN	0.000	AC-FT	1026

# NORTH PLATTE RIVER BASIN

## BLUE CREEK near Lewellen, 06687000

LOCATION.-- NW1/4NE1/4 Sec. 30-16-42 W., Garden County, Lat. 41° 20' 08", Long. 102° 10' 21", on left bank 15 feet downstream from Road 48 bridge, 0.5 miles downstream from bridge on U.S. Highway 26, 0.8 miles upstream from mouth, and 1.5 miles west of Lewellen.

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

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

PERIOD OF RECORD.--Oct. 1930 - present

REMARKS.--Published by the USGS up to Oct. 1, 1991. Records are fair except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge estimated 149 cubic feet per second May 20, gage height 4.00 feet; maximum gage height 4.96 feet February due to backwater from ice conditions; minimum daily discharge 0.67 cubic feet per second estimated July 28.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	51	86	79e	60e	75e	91	91	80	87	51	6.6e	17e
2	52	87	86	65e	75e	90	88	80	81	53	4.9e	17e
3	54	89	89	70e	70e	91	89	82	80	54	3.6e	16e
4	60	89	86	78e	70e	95	90	81	78	54	5.1e	16e
5	62	87	84	78e	70e	91	88	77	73	50e	18e	16e
6	55	88	83	78e	70e	91	87	89	79	46e	33e	16e
7	61	91	80	78e	70e	96	87	89	71	33e	37e	16e
8	76	91	82	78e	65e	82	90	91	65	27e	35e	16e
9	85	92	97	78e	70e	78	88	87	66	24e	30e	15e
10	90	93	97	80e	75e	87	91	89	65	25e	16e	20e
11	91	95	94	80e	80e	95	95	90	67	10e	16e	22e
12	88	100	82e	80e	85e	94	97	111	77	4.3e	15e	60e
13	85	100	78e	80e	90e	92	90	116	81	27e	15e	70
14	82	99	77	75e	100	89	85	110	78	68	19e	80
15	82	101	77	73e	97	93	91	101	67	75	16e	87
16	82	102	76	83e	96	92	98	101	64	89	19e	96
17	82	101	72	94e	95	84	99	99	56	82	19e	87
18	77	100	72	97	91	81	92	91	53	65	19e	59
19	75	99	72	92	90	81	92	114	64	49e	19e	44
20	76	97	73	86	93	80	94	142	91	7.4e	17e	43
21	79	95	74	79	83e	82	95	131	89	10e	16e	41
22	84	94	74	84	86e	83	91	122	86	6.4e	16e	40
23	88	91	71	82	98	80	89	111	75	3.5e	22e	40
24	90	90	70	80	97	72	86	119	62	6.0e	22e	41
25	92	77e	70	79	96	78	89	118	65	4.3e	23e	42
26	91	79e	67	81	92	83	91	102	82	1.1e	22e	41
27	88	88	66	83	91	88	93	97	77	3.3e	26e	41
28	85	91	67	84	91	89	91	92	67	0.67e	25e	40
29	85	89	68	85	---	87	87	87	53	0.81e	18e	39
30	85	80e	66	83	---	89	84	88	52	3.8e	17e	38
31	86	---	60e	75e	---	90	---	94	---	6.9e	17e	---
TOTAL	2419	2761	2389	2478	2361	2694	2718	3081	2151	940.48	587.2	1216
MEAN	78.1	92.1	77.1	79.9	84.3	87.0	90.5	99.4	71.7	30.3	18.9	40.5
MAX	92	102	97	97	100	96	99	142	91	89	37	96
MIN	51	77	60	60	65	72	84	77	52	0.67	3.6	15
AC-FT	4798	5476	4739	4915	4683	5343	5391	6111	4266	1865	1165	2412
CAL	YEAR	2010	TOTAL	26703	MEAN	73.2	MAX	161.0	MIN	2.0	AC-FT	52960
WTR	YEAR	2011	TOTAL	25796	MEAN	70.7	MAX	142.0	MIN	0.67	AC-FT	51160

e indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER at Lewellen, 06687500

LOCATION.--SE1/4NW1/4 Sec. 34-16-42 W., Garden County, Lat. 41° 19' 01", Long. 102° 07' 32", on left bank 19 feet downstream from bridge on State Highway 26, one mile southeast of Lewellen and approximately 0.5 mile upstream from highwater line of Lake McConaughy.

DRAINAGE AREA.--28,600 square miles, approximately 25,400 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum 3285.88 feet above sea level.

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

REMARKS.--Published by the USGS up to Oct. 1, 1991. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 13,500 cubic feet per second June 4, 1971, at different datum; minimum daily discharge 38 cubic feet per second June 24, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharge 10,000 cubic feet per second June 20, gage height 8.66 feet; minimum daily discharge 682 cubic feet per second estimated January 4.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1240	1470	1100e	700e	1100e	1100e	4660	5620	7880	7010	3250	3140
2	1240	1440	1100e	700e	1100e	1090	4600	5490	7700	6760	3290	3740
3	1230	1400	1100e	700e	1100e	1120	4590	5510	7650	6750	3330	4030
4	1240	1390	1100e	682e	1100e	1100	4550	5530	7590	6590	3310	4190
5	1210	1410	1210	700e	1100e	1100	4510	5510	7510	6530	3950	4330
6	1210	1450	1160	700e	1050e	1150	4500	5480	7560	7050	3830	4400
7	1160	1480	1170	750e	1050e	1340	4530	5560	7660	6900	3770	4450
8	1160	1510	1150	750e	1050e	1620	4550	5680	7560	6370	3750	4410
9	1170	1500	1160	750e	1050e	1900	4460	5820	7460	6000	3680	4540
10	1240	1470	1160	750e	1070e	2270	4630	6200	7390	5570	3970	4550
11	1230	1460	1120	800e	1050e	2610	4780	6530	7330	5320	3990	4580
12	1200	1530	1060	800e	1050e	2880	4890	6780	7830	5120	4070	4680
13	1190	1480	1160	811e	1100e	3210	4890	6700	7870	5300	4080	4860
14	1200	1430	1190	800e	1100e	3470	4930	6480	8110	5270	3820	5050
15	1230	1380	1210	800e	1100e	3550	4990	6670	8080	5420	3920	5280
16	1290	1390	1210	800e	1100e	3540	5060	6990	8030	5810	4040	5570
17	1280	1410	1180	900e	1100e	3640	5080	6750	8140	5220	4110	5800
18	1260	1380	1140	900e	1130	3690	5040	6360	7960	4750	4080	5860
19	1260	1370	1140	900e	1090	3820	5140	6730	7890	4620	4000	5910
20	1250	1320	1150	1000e	1100	3880	5300	7370	9340	4280	4010	5710
21	1260	1280	1160	1000e	1010	3910	5450	7530	8550	4200	4020	5530
22	1260	1250	1170	1000e	999	4000	5470	7470	7990	4290	4010	5490
23	1300	1200	1160	1200e	1000	4170	5430	7520	8330	4120	4120	5560
24	1350	1160	1150	1200e	997e	4290	5370	7900	8770	3950	4130	5700
25	1500	1070e	1140	1200e	1000e	4480	5370	8030	8410	3830	4000	5640
26	1600	1000e	1110	1500e	1000e	4590	5390	7660	8100	3720	3890	5590
27	1540	1000e	1110	1480	1000e	4650	5420	7530	8060	3800	3310	4990
28	1510	1000e	1160	1140	1100e	4700	5520	8590	8340	3620	2610	4280
29	1500	1000e	1150	1120	---	4630	5600	8790	7630	3580	2430	4170
30	1500	1100e	1170e	1090	---	4650	5660	8390	6940	3420	2560	4200
31	1490	---	800e	1060e	---	4630	---	8110	---	3400	2530	---
TOTAL	40300	39730	35250	28683	29796	96780	150360	211280	237660	158570	113860	146230
MEAN	1300	1325	1137	924.9	1064	3122	5012	6816	7923	5114	3673	4875
MAX	1600	1530	1210	1500	1130	4700	5660	8790	9340	7050	4130	5910
MIN	1160	1000	800	682	997	1090	4460	5480	6940	3400	2430	3140
AC-FT	79930	78800	69920	56890	59100	192000	298200	419100	471400	314500	225800	290000
CAL	YEAR	2010	TOTAL	722378	MEAN	1979	MAX	6690	MIN	600.0	AC-FT	1433000
WTR	YEAR	2011	TOTAL	1288499	MEAN	3530	MAX	9340	MIN	682.0	AC-FT	2556000

e indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## KINGSLEY RESERVOIR from North Platte River, 06690000

LOCATION.--NW1/4SW1/4 Sec. 3-14-38 W. near Ogallala

GAGE.--Electric tape gage read once daily

PERIOD OF RECORD.--1941 - 1988, 1990

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

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	3,277.5	2,179,800
Top of conservation pool	3,270.0	1,948,000
Top of dead storage pool	3,130.0	Negligible

### STORAGE ( AC-FT ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1577000	1520000	1482000	1473000	1476000	1454000	1463000	1563000	1671000	1719000	1701000	1565000
2	1577000	1520000	1479000	1468000	1471000	1457000	1465000	1565000	1674000	1722000	1691000	1563000
3	1574000	1520000	1482000	1465000	1465000	1449000	1473000	1568000	1671000	1722000	1688000	1560000
4	1571000	1518000	1482000	1465000	1460000	1452000	1473000	1574000	1671000	1722000	1685000	1557000
5	1568000	1515000	1484000	1463000	1460000	1446000	1473000	1574000	1671000	1725000	1679000	1554000
6	1565000	1515000	1482000	1463000	1463000	1444000	1476000	1574000	1671000	1728000	1676000	1551000
7	1563000	1512000	1482000	1463000	1465000	1446000	1476000	1577000	1671000	1731000	1674000	1551000
8	1563000	1509000	1482000	1463000	1468000	1441000	1479000	1577000	1674000	1731000	1668000	1548000
9	1563000	1512000	1479000	1468000	1468000	1438000	1482000	1588000	1671000	1731000	1668000	1548000
10	1563000	1512000	1482000	1471000	1465000	1433000	1487000	1586000	1671000	1731000	1665000	1546000
11	1557000	1509000	1479000	1463000	1463000	1433000	1487000	1597000	1668000	1734000	1659000	1546000
12	1557000	1509000	1476000	1460000	1463000	1430000	1487000	1603000	1671000	1734000	1656000	1546000
13	1557000	1506000	1476000	1457000	1463000	1430000	1493000	1606000	1671000	1740000	1650000	1548000
14	1554000	1506000	1473000	1454000	1465000	1430000	1501000	1612000	1671000	1734000	1647000	1546000
15	1551000	1504000	1476000	1457000	1465000	1430000	1506000	1615000	1671000	1737000	1641000	1548000
16	1551000	1504000	1476000	1454000	1465000	1430000	1506000	1620000	1674000	1737000	1638000	1548000
17	1548000	1501000	1476000	1457000	1468000	1430000	1509000	1623000	1679000	1740000	1635000	1548000
18	1548000	1501000	1476000	1457000	1465000	1430000	1515000	1629000	1682000	1737000	1632000	1548000
19	1548000	1501000	1476000	1463000	1465000	1430000	1518000	1638000	1685000	1737000	1626000	1551000
20	1543000	1501000	1473000	1463000	1471000	1430000	1520000	1647000	1694000	1734000	1623000	1551000
21	1543000	1501000	1476000	1460000	1468000	1433000	1520000	1647000	1697000	1734000	1620000	1551000
22	1540000	1498000	1473000	1463000	1465000	1436000	1529000	1647000	1697000	1734000	1615000	1551000
23	1540000	1495000	1473000	1463000	1465000	1441000	1532000	1653000	1701000	1731000	1612000	1551000
24	1537000	1498000	1473000	1463000	1468000	1449000	1534000	1656000	1707000	1728000	1606000	1551000
25	1537000	1495000	1476000	1463000	1468000	1446000	1540000	1659000	1710000	1725000	1603000	1551000
26	1534000	1490000	1473000	1463000	1465000	1449000	1546000	1662000	1710000	1722000	1600000	1551000
27	1534000	1484000	1471000	1460000	1460000	1454000	1551000	1662000	1716000	1719000	1597000	1551000
28	1532000	1487000	1468000	1463000	1454000	1454000	1554000	1668000	1716000	1716000	1591000	1551000
29	1526000	1490000	1471000	1465000	---	1460000	1557000	1668000	1716000	1713000	1586000	1551000
30	1526000	1484000	1476000	1465000	---	1460000	1560000	1671000	1719000	1710000	1577000	1548000
31	1523000	---	1479000	1473000	---	1463000	---	1671000	---	1704000	1571000	---
MEAN	1551000	1504000	1477000	1463000	1465000	1442000	1507000	1619000	1685000	1728000	1638000	1551000
MAX	1577000	1520000	1484000	1473000	1476000	1463000	1560000	1671000	1719000	1740000	1701000	1565000
MIN	1523000	1484000	1468000	1454000	1454000	1430000	1463000	1563000	1668000	1704000	1571000	1546000
CAL	YEAR	2010	TOTAL	498006000	MEAN	1364000	MAX	1594000	MIN	1047000		
WTR	YEAR	2011	TOTAL	566907000	MEAN	1553000	MAX	1740000	MIN	1430000		

# NORTH PLATTE RIVER BASIN

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

LOCATION.--NW1/4NE1/4 Sec. 7-14-37 W. near Keystone

GAGE.--Continuous stage recorder and concrete control section

PERIOD OF RECORD.--1936 - present

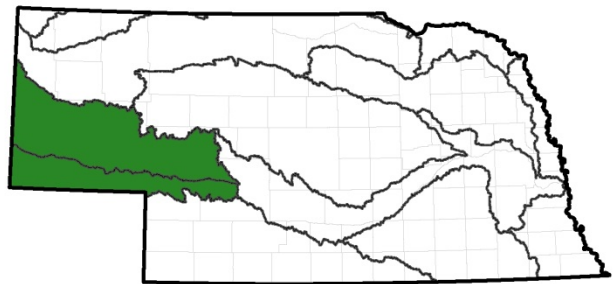
### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1300	1390	1130	1210	1080	1750	1740	1760	1740	1740	1700	1620
2	1320	1310	1130	1150	1010	1780	1730	1750	1740	1760	1690	1640
3	1320	1260	1130	971	874	1770	1740	1760	1740	1750	1690	1630
4	1360	1270	1140	957	870	1770	1750	1750	1740	1760	1680e	1630
5	1380	1280	1140	924	790	1780	1740	1750	1740	1760e	1680e	1630
6	1380	1280	1140	911	782	1670	1730	1750	1730	1760e	1670e	1630
7	1370	1280	1140	1000	791	1550	1730	1750	1760	1760e	1670e	1620
8	1370	1290	1140	1050	799	1550	1740	1740	1780	1770e	1680	1620
9	1380	1270	1150	1060	798	1630	1740	1740	1790	1770e	1660	1630
10	1390	1250	1250	1030	797	1630	1740	1740	1780	1780e	1670	1620
11	1390	1260	1250	949	785	1780	1740	1750	1770	1780	1680	1620
12	1390	1230	1240	949	786	1780	1740	1740	1770	1790	1680	1620
13	1380	1210	1240	941	785	1770	1740	1750	1770	1790	1670	1620
14	1370	1210	1240	935	842	1750	1730	1740	1760	1770	1670	1620
15	1370	1210	1240	941	986	1750	1730	1750	1760	1770	1670	1640
16	1360	1170	1240	939	1110	1750	1750	1750	1760	1750	1650	1640
17	1360	1150	1240	938	1240	1750	1750	1740	1760	1750	1640	1640
18	1360	1150	1240	946	1280e	1750	1750	1760	1750	1740	1640	1640
19	1360	1150	1240	952	1450e	1750	1750	1760	1760	1740	1640	1650
20	1360	1160	1230	961	1500e	1740	1750	1740	1770	1740	1630	1660
21	1350	1160	1240	950	1600e	1750	1760	1750	1760	1730	1630	1660
22	1360	1130	1250	948	1660	1750	1750	1750	1760	1720	1630	1660
23	1360	1120	1250	954	1670	1750	1750	1740	1760	1720	1630	1670
24	1350	1120	1240	949	1660	1750	1750	1750	1760	1720	1640	1670
25	1360	1120	1240	955	1560	1760	1750	1750	1720	1710	1640	1670
26	1360	1120	1250	957	1510	1760	1760	1750	1710	1710	1630	1670
27	1370	1120	1240	971	1540	1760	1750	1750	1730	1710	1630	1680
28	1390	1130	1240	1040	1670	1750	1750	1750	1720	1700	1630	1660
29	1390	1130	1240	1070	---	1750	1740	1760	1720	1710	1650	1650
30	1390	1130	1250	1080	---	1750	1750	1750	1720	1710	1640	1650
31	1390	---	1270	1090	---	1740	---	1750	---	1710	1640	---
TOTAL	42340	36060	37600	30678	32225	53720	52320	54220	52530	54080	51350	49260
MEAN	1365	1202	1211	989.5	1151	1733	1744	1748	1750	1744	1656	1642
MAX	1390	1390	1270	1210	1670	1780	1760	1760	1790	1790	1700	1680
MIN	1300	1120	1130	911	782	1550	1730	1740	1710	1700	1630	1620
AC-FT	83980	71520	74580	60850	63920	106600	103800	107500	104200	107300	101900	97710
CAL	YEAR	2010	TOTAL	308500	MEAN	845.2	MAX	1670	MIN	0.000	AC-FT	611900
WTR	YEAR	2011	TOTAL	546383	MEAN	1497	MAX	1790	MIN	782.0	AC-FT	1084000



# NORTH & SOUTH PLATTE RIVER BASIN

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# NORTH & SOUTH PLATTE RIVER BASIN

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

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

GAGE.--Staff gage

PERIOD OF RECORD.--1936 - present

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

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Normal maximum operating level	3,055.0	64,720
Normal minimum operating level	3,041.6	28,350

### STORAGE ( AC-FT ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	41260	44510	49220	44460	43600	43090	43440	49890	50250	51800	52960	53730
2	41020	44910	49240	44670	43220	43540	43780	49970	50020	51880	52990	53590
3	40870	45050	49270	44910	42720	43410	43920	49890	49860	51880	53160	53360
4	40950	45240	49380	45160	42770	43410	44080	50080	49750	51940	53280	54630
5	41050	45430	49490	45480	42770	43410	44290	50190	49800	51910	53360	52850
6	40950	45650	49690	45430	42660	43440	44460	50110	49550	52390	53560	52730
7	41180	45920	49830	45540	42610	43280	44670	50160	49410	52330	53680	52530
8	41450	46130	49860	45750	42370	42960	44810	50160	49360	52480	53820	52450
9	41370	46410	49970	46050	42190	42720	44970	50160	49520	52450	54250	52280
10	41520	46570	50160	45920	42030	42820	45160	50160	49520	52360	54370	52110
11	41630	46790	50280	45920	42000	42900	45290	50160	49470	52500	54450	51990
12	41740	46950	50280	45860	41840	43040	45430	50360	49360	52530	54740	51740
13	41840	47060	50280	45840	41740	42980	45650	50280	49240	52590	54770	51680
14	41920	47060	50890	45940	41660	43200	46350	50280	49270	53130	54830	51510
15	41970	47260	51090	45860	41470	43010	46570	50470	49360	53360	54830	51430
16	42030	47450	51290	45810	41210	43250	46740	50330	49470	53450	54940	51340
17	42190	47370	51480	45590	41000	42960	47060	50250	49470	53560	54860	51230
18	42290	47610	51800	45540	41130	42900	47390	50250	49490	53650	54890	51170
19	42400	47720	51990	45320	41630	43090	47720	50580	49550	53560	55060	51090
20	42480	47890	51880	45130	41810	42960	47920	50530	51510	53560	55090	51010
21	42500	47940	51170	45100	41580	42800	48330	50720	51710	53760	54970	50810
22	42720	48050	50020	45000	42050	42820	48550	50610	51740	53500	55030	50870
23	42850	48250	49270	44890	42420	42580	48740	50670	51320	53450	54890	50700
24	42930	48360	48520	44810	42800	42500	48940	50720	51650	53420	54680	50670
25	43090	48440	47640	44640	42720	42720	49160	50840	51680	53050	54480	50560
26	43250	48630	46950	44510	42820	42530	49470	50780	51710	52620	54370	50420
27	43250	48860	46160	44320	42690	42660	49550	50840	51680	52730	54160	50390
28	43700	49080	45400	44430	42580	42740	49550	50750	51740	52880	53850	50610
29	43680	49110	44810	44510	---	42770	49770	50750	51630	52820	53850	51200
30	43970	49110	44080	44400	---	42820	49860	50500	51710	52700	53990	51480
31	44240	---	43440	44080	---	43300	---	50500	---	52680	53730	---
MEAN	42200	47160	49190	45190	42220	42990	46720	50390	50330	52800	54250	51740
MAX	44240	49110	51990	46050	43600	43540	49860	50840	51740	53760	55090	54630
MIN	40870	44510	43440	44080	41000	42500	43440	49890	49240	51800	52960	50390
CAL	YEAR	2010	TOTAL	17621440	MEAN	48280	MAX	60320	MIN	35590		
WTR	YEAR	2011	TOTAL	17507830	MEAN	47970	MAX	55090	MIN	40870		

# NORTH & SOUTH PLATTE RIVER BASIN

## MALONEY RESERVOIR from North & South Platte Rivers, 00405500

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

GAGE.--Staff gage

PERIOD OF RECORD.--1936 - present

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

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Normal maximum operating level	3,006.0	19,450
Normal minimum operating level	3,005.0	17,800

### STORAGE ( AC-FT ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	17970	17800	16840	18300	17000	17160	17160	17160	17000	17160	17320	17320
2	17970	17800	16840	18130	17160	17320	17000	17160	17000	17160	17320	17320
3	17970	17800	16840	18300	17320	17320	17000	17320	17000	17160	17320	17320
4	17970	17800	16840	18300	17480	17320	17000	17320	17160	17160	17480	17320
5	17970	17800	16840	18130	17640	17320	17000	17320	17160	17320	17480	17320
6	17970	17800	17000	17970	17640	17320	17000	17320	17160	17480	17480	17320
7	18130	17800	17000	17800	17640	17320	17000	17320	17160	17480	17480	17320
8	18130	17800	17000	17800	17640	17320	17000	17480	17160	17480	17480	17320
9	17970	17800	17000	17640	17480	17160	17000	17640	17160	17640	17480	17320
10	17970	17800	17000	17640	17480	17160	17000	17640	17160	17640	17480	17320
11	17970	17800	17000	17480	17320	17160	17160	17800	17160	17640	17480	17320
12	17970	17800	17000	17320	17320	17160	17000	17800	17160	17640	17480	17320
13	17800	17800	17000	17320	17160	17000	17160	17800	17320	17640	17480	17320
14	17640	17800	17320	17160	17160	17000	17320	17640	17320	17480	17320	17320
15	17640	17800	17480	17160	17160	17000	17320	17480	17480	17320	17320	17480
16	17640	17970	17480	17000	17160	17000	17160	17480	17800	17160	17320	17320
17	17480	17970	17640	17000	17320	17000	17160	17320	17480	17000	17320	17320
18	17480	17970	17800	17000	17320	17000	17160	17320	17480	17000	17320	17320
19	17320	17970	17640	17160	17320	17000	17160	17320	17480	17000	17480	17320
20	17320	17970	17480	17160	17320	17000	17160	17320	17800	17000	17480	17320
21	17320	17970	17000	17160	17160	17000	17160	17320	17640	17160	17480	17320
22	17480	17970	16840	17160	17160	17000	17160	17320	17320	17160	17320	17320
23	17480	17800	16840	17160	17160	17000	17000	17320	17000	17320	17320	17320
24	17480	17640	16840	17160	17160	17000	17000	17480	17160	17320	17160	17320
25	17480	17480	17000	17000	17000	17000	17000	17320	17160	17480	17160	17320
26	17640	17480	17000	17000	17000	17000	17000	17160	17160	17800	17320	17160
27	17480	17320	17000	17000	17000	17160	17000	17160	17160	17640	17320	17320
28	17640	17160	17000	17000	17000	17160	17000	17160	17160	17480	17320	17160
29	17640	17000	17000	17000	---	17160	17000	17160	17160	17480	17320	17320
30	17640	16840	17160	17000	---	17000	17000	17000	17160	17320	17160	17320
31	17800	---	17480	17000	---	17160	---	17160	---	17480	17160	---
MEAN	17720	17720	17100	17400	17270	17120	17070	17370	17260	17360	17370	17310
MAX	18130	17970	17800	18300	17640	17320	17320	17800	17800	17800	17480	17480
MIN	17320	16840	16840	17000	17000	17000	17000	17000	17000	17000	17160	17160
CAL	YEAR	2010	TOTAL	4777055	MEAN	13090	MAX	18300	MIN	1220		
WTR	YEAR	2011	TOTAL	6329280	MEAN	17340	MAX	18300	MIN	16840		

# NORTH & SOUTH PLATTE RIVER BASIN

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

LOCATION.--SE1/4SE1/4 Sec. 9-13-30 W. at North Platte

GAGE.--Differential pressure recorder

PERIOD OF RECORD.--1939 - present

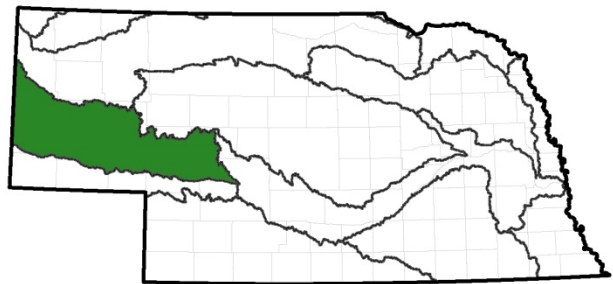
REMARKS.--Values furnished by the Nebraska Public Power District

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	859	864	858	657	774	1460	1560	1560	1640	1770	1440	1370
2	859	861	860	625	660	1210	1550	1560	1670	1770	1400	1370
3	861	861	864	632	715	1300	1560	1560	1660	1770	1380	1370
4	860	863	850	654	725	1480	1560	1560	1640	1760	1380	1370
5	861	868	848	709	727	1560	1560	1560	1650	1750	1380	1370
6	860	869	848	787	725	1560	1560	1560	1660	1750	1380	1370
7	675	865	855	844	725	1550	1560	1560	1650	1750	1390	1370
8	855	862	857	840	724	1550	1550	1560	1620	1750	1400	1370
9	858	861	867	839	724	1550	1550	1560	1670	1740	1410	1370
10	860	866	867	841	725	1550	1550	1560	1670	1740	1470	1370
11	856	868	849	839	724	1560	1550	1570	1670	1760	1410	1380
12	859	869	849	842	727	1560	1550	1620	1670	1770	1410	1390
13	859	870	849	845	729	1560	1550	1640	1560	1780	1420	1370
14	858	867	835	849	728	1560	1560	1650	1670	1780	1410	1370
15	857	867	828	842	736	1560	1560	1650	1600	1740	1410	1370
16	862	863	780	843	764	1560	1550	1650	1690	1620	1410	1380
17	863	859	850	851	852	1560	1560	1650	1790	1580	1510	1400
18	864	836	833	849	1080	1560	1560	1650	1820	1270	1410	1410
19	865	804	879	843	1080	1560	1550	1650	1690	1330	1410	1410
20	866	858	875	846	1110	1560	1550	1650	1700	1280	1410	1390
21	864	793	1080	850	1240	1560	1550	1650	1710	1280	1410	1390
22	867	853	1400	848	1340	1560	1560	1650	1720	1280	1440	1390
23	868	852	1420	846	1350	1560	1560	1650	1720	1280	1440	1380
24	863	857	1430	849	1350	1560	1560	1650	1740	1280	1410	1380
25	865	849	1420	844	1340	1560	1560	1750	1750	1280	1400	1380
26	866	854	1420	849	1340	1560	1560	1670	1760	1350	1370	1380
27	871	855	1430	852	1340	1560	1560	1650	1760	1510	1380	1380
28	864	860	1430	851	1350	1560	1560	1660	1770	1510	1370	1370
29	868	854	1430	853	---	1550	1560	1660	1770	1520	1370	1250
30	867	849	1430	845	---	1560	1560	1660	1770	1520	1370	1090
31	865	---	1410	844	---	1560	---	1660	---	1490	1370	---
TOTAL	26545	25677	32301	25208	26404	47520	46690	50290	50860	48760	43570	40960
MEAN	856.3	855.9	1041	813.2	942.8	1532	1555	1622	1695	1572	1405	1365
MAX	871	870	1430	853	1350	1560	1560	1750	1820	1780	1510	1410
MIN	675	793	780	625	660	1210	1550	1560	1560	1270	1370	1090
AC-FT	52650	50930	64070	50000	52370	94250	92610	99750	100900	96710	86420	81240
CAL	YEAR	2010	TOTAL	272575	MEAN	746.8	MAX	1710	MIN	0.000	AC-FT	540600
WTR	YEAR	2011	TOTAL	464785	MEAN	1273	MAX	1820	MIN	625.0	AC-FT	921900

# NORTH PLATTE RIVER BASIN

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# NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER near Keystone, 06690500

LOCATION.-- NW1/4 SW1/4 Sec. 1-14-38 W., Keith County, Lat. 41°12'40", Long. 101°37'56", on right bank 0.2 miles downstream from diversion dam of Sutherland Reservoir supply canal and 2.3 miles southwest of Keystone.

DRAINAGE AREA.--29,300 square miles; approximately 25,800 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Datum of gage is 3,105.59 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--Periodic records 1917, 1939, 1940 - 1941, continuous record March 1942 - present

REMARKS.--Published by the USGS up to Oct. 1, 1994. Records are good, except records below 10 cubic feet per second are variable fair to poor and estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 20,300 cubic feet per second June 30, 1917; no flow during many years.

EXTREMES FOR CURRENT YEAR.--Peak discharge 5,920 cubic feet per second May 31, gage height 6.40 feet; minimum daily discharge 15 cubic feet per second estimated December 14.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1260	888	350e	31	47	278	1660	1530	5840	4360	3710	3840
2	1300	842	350e	31e	50	40	1630	1520	5830	4120	3730	3390
3	1290	845	350e	32e	48	197	1650	1600	5770	4090	3690	2990
4	1290	846	350e	32e	47	916	1670	1650	5790	3740	3710	3010
5	1280	779	350e	28	47	1110	1660	1670	5810	3520	3770	3020
6	1270	753	350e	27	48	1090	1620	1880	5780	3520	3780	3020
7	1280	748	347	27	48	1090	1620	2090	5750	3500	3750	3010
8	1090	761	349	27	47	1190	1640	2070	5760	3500	3810	3020
9	1010	760	348	27	46	1310	1640	2080	5820	3500	3790	2990
10	1020	792	343	27	47	1420	1670	2010	5780	3480	3780	2960
11	959	800	348	27	47	1500	1630	2020	5760	3480	3790	3030
12	928	813	360	27	46	1500	1640	2020	5770	3450	3840	2960
13	920	806	172	27	46	1510	1450	2060	5770	3450	3870	3040
14	930	809	15	27	46	1510	1310	2030	5780	3440	3860	3030
15	975	801	21	28	45	1500	1310	2050	5760	3090	3860	3080
16	977	798	24	29	45	1550	1300	2130	5780	2890	3880	3110
17	978	798	26	28	46	1620	1310	2140	5530	2970	3860	3090
18	979	799	25	28	45	1630	1330	2850	5210	2970	3890	3100
19	989	785	25	38	45	1620	1320	2850	5210	2960	3900	3130
20	976	775	25	47	46	1650	1340	3500	5210	2990	3810	3120
21	985	782	25	49	46	1630	1340	3740	5140	2870	3810	3070
22	988	750e	25	49	38	1650	1340	4490	5200	2780	3840	3090
23	989	750e	27	49	38	1650	1310	4390	5180	2770	3840	3090
24	1020	700e	27	47	38	1650	1300	4370	5130	2770	3880	3090
25	1040	700e	27	47	37	1650	1330	4380	5150	3170	3880	3080
26	971	650e	27	47	35	1680	1350	4420	5130	3530	3890	3080
27	989	600e	29	47	35	1670	1330	4400	5100	3480	3830	3080
28	1010	550e	29	46	341	1660	1340	4420	5150	3570	3810	3060
29	997	500e	29	46	---	1660	1390	5180	5140	3630	3910	3050
30	990	450e	30	46	---	1680	1520	5160	4900	3680	3940	3050
31	998	---	31	38	---	1650	---	5840	---	3700	3930	---
TOTAL	32678	22430	4834	1106	1540	42461	43950	92540	164930	104970	118640	92680
MEAN	1054	747.7	156.0	35.7	55.0	1370	1465	2985	5497	3386	3827	3090
MAX	1300	888	360	49	341	1680	1670	5840	5840	4360	3940	3840
MIN	920	450	15	27	35	40	1300	1520	4900	2770	3690	2960
AC-FT	64820	44490	9588	2194	3055	84220	87170	183600	327100	208200	235300	183800
CAL	YEAR	2010	TOTAL	192296	MEAN	526.8	MAX	1810	MIN	0.000	AC-FT	381400
WTR	YEAR	2011	TOTAL	722759	MEAN	1980	MAX	5840	MIN	15.0	AC-FT	1434000

e indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## KEITH - LINCOLN COUNTY CANAL from North Platte River, 00076000

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

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

PERIOD OF RECORD.--1918 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	21	27	22	79	62
2	---	---	---	---	---	0.00	0.00	26	23	39	81	61
3	---	---	---	---	---	0.00	0.00	0.00	22	36	79	59
4	---	---	---	---	---	0.00	0.00	0.00	23	34	79	58
5	---	---	---	---	---	0.00	0.00	0.00	24	44	78	58
6	---	---	---	---	---	0.00	0.00	0.00	24	58	76	57
7	---	---	---	---	---	0.00	21	0.00	23	18	75	56
8	---	---	---	---	---	0.00	35	0.00	24	0.00	74	55
9	---	---	---	---	---	0.00	27	0.00	25	0.00	74	56
10	---	---	---	---	---	0.00	31	0.00	24	0.00	68	62
11	---	---	---	---	---	0.00	30	0.00	23	19	65	66
12	---	---	---	---	---	0.00	28	0.00	23	23	65	65
13	---	---	---	---	---	0.00	28	0.00	24	0.00	64	62
14	---	---	---	---	---	0.00	28	0.00	24	0.00	63	64
15	---	---	---	---	---	0.00	26	0.00	25	0.00	64	64
16	---	---	---	---	---	0.00	28	0.00	28	25	63	64
17	---	---	---	---	---	0.00	28	0.00	29	55	68	64
18	---	---	---	---	---	0.00	28	13	19	63	47	65
19	---	---	---	---	---	0.00	28	32	20	65	0.00	63
20	---	---	---	---	---	0.00	28	40	21	62	14	62
21	---	---	---	---	---	0.00	29	39	16	65	53	54
22	---	---	---	---	---	0.00	30	25	21	66	65	36
23	---	---	---	---	---	0.00	30	32	29	66	55	29
24	---	---	---	---	---	0.00	30	37	40	69	52	27
25	---	---	---	---	---	0.00	30	37	39	71	39	27
26	---	---	---	---	---	0.00	30	38	39	70	30	26
27	---	---	---	---	---	0.00	8.4	36	38	71	22	26
28	---	---	---	---	---	0.00	18	37	39	71	23	26
29	---	---	---	---	---	0.00	34	35	40	68	35	26
30	---	---	---	---	---	0.00	0.00	34	32	71	50	26
31	---	---	---	---	---	0.00	---	28	---	77	59	---
TOTAL	0	0	0	0	0	0	633.4	510	808	1328	1759	1526
MEAN	0.000	---	---	---	---	0.000	21.1	16.4	27.0	42.9	56.8	50.8
MAX	0.00	---	---	---	---	0.00	35	40	40	77	81	66
MIN	0.00	---	---	---	---	0.00	0.00	0.00	16	0.00	0.00	26
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	1256	1012	1603	2634	3489	3027
CAL	YEAR	2010	TOTAL	6817	MEAN	41.3	MAX	200.0	MIN	0.000	AC-FT	13520
WTR	YEAR	2011	TOTAL	6564	MEAN	30.7	MAX	81.0	MIN	0.000	AC-FT	13020

# NORTH PLATTE RIVER BASIN

## NORTH PLATTE CANAL from North Platte River, 00114000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	68	80	126	255	197
2	---	---	---	---	---	0.00	0.00	68	77	139	263	201
3	---	---	---	---	---	0.00	2.7	71	76	144	252	182
4	---	---	---	---	---	0.00	64	73	77	143	235	171
5	---	---	---	---	---	0.00	62	74	76	156	221	170
6	---	---	---	---	---	0.00	40	71	76	203	205	163
7	---	---	---	---	---	0.00	50	68	81	209	201	149
8	---	---	---	---	---	0.00	55	73	84	196	201	141
9	---	---	---	---	---	0.00	56	69	90	217	212	143
10	---	---	---	---	---	0.00	58	64	90	248	183	135
11	---	---	---	---	---	0.00	59	67	90	282	163	115
12	---	---	---	---	---	0.00	55	75	91	297	146	104
13	---	---	---	---	---	0.00	56	74	91	264	146	102
14	---	---	---	---	---	0.00	52	73	91	256	182	103
15	---	---	---	---	---	0.00	30	73	98	269	182	48
16	---	---	---	---	---	0.00	0.00e	73	114	265	215	11
17	---	---	---	---	---	0.00	0.00e	76	115	259	234	10.0
18	---	---	---	---	---	0.00	0.00e	79	114	256	228	8.9
19	---	---	---	---	---	0.00	0.00e	70	112	254	235	5.7
20	---	---	---	---	---	0.00	8.3	67	112	266	231	5.3
21	---	---	---	---	---	0.00	11	71	20	287	219	5.4
22	---	---	---	---	---	0.00	18	74	14	293	229	6.4
23	---	---	---	---	---	0.00	28	76	6.2	284	236	17
24	---	---	---	---	---	0.00	27	78	6.1	280	218	23
25	---	---	---	---	---	0.00	32	77	6.3	280	207	30
26	---	---	---	---	---	0.00	50	76	43	283	197	68
27	---	---	---	---	---	0.00	60	76	75	248	199	67
28	---	---	---	---	---	0.00	61	75	95	223	205	66
29	---	---	---	---	---	0.00	60	74	97	231	202	63
30	---	---	---	---	---	0.00	65	77	106	241	202	67
31	---	---	---	---	---	0.00	---	79	---	246	194	---
TOTAL	0	0	0	0	0	0	1060	2259	2303.6	7345	6498	2577.7
MEAN	0.000	---	---	---	---	0.000	35.3	72.9	76.8	236.9	209.7	85.9
MAX	0.00	---	---	---	---	0.00	65	79	115	297	263	201
MIN	0.00	---	---	---	---	0.00	0.00	64	6.1	126	146	5.3
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	2102	4481	4569	14570	12890	5113
CAL	YEAR	2010	TOTAL	18313	MEAN	111.0	MAX	273.0	MIN	0.000	AC-FT	36320
WTR	YEAR	2011	TOTAL	22043	MEAN	103.0	MAX	297.0	MIN	0.000	AC-FT	43720

e indicates estimated discharge.



# NORTH PLATTE RIVER BASIN

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

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	25	32	45	108	94
2	---	---	---	---	---	0.00	0.00	25	33	49	112	93
3	---	---	---	---	---	0.00	0.00	25	33	53	112	91
4	---	---	---	---	---	0.00	7.0	25	33	52	108	90
5	---	---	---	---	---	0.00	32	26	33	56	102	89
6	---	---	---	---	---	0.00	32	26	33	66	95	79
7	---	---	---	---	---	0.00	32	26	32	71	94	61
8	---	---	---	---	---	0.00	32	27	32	72	94	51
9	---	---	---	---	---	0.00	32	27	32	77	92	51
10	---	---	---	---	---	0.00	32	27	32	81	68	50
11	---	---	---	---	---	0.00	31	28	35	90	54	50
12	---	---	---	---	---	0.00	30	28	37	95	49	49
13	---	---	---	---	---	0.00	31	28	37	95	45	48
14	---	---	---	---	---	0.00	17	28	40	94	70	48
15	---	---	---	---	---	0.00	0.00	28	41	94	97	48
16	---	---	---	---	---	0.00	0.00	29	41	95	103	45
17	---	---	---	---	---	0.00	0.00	29	42	96	104	37
18	---	---	---	---	---	0.00	0.00	29	42	96	106	33
19	---	---	---	---	---	0.00	0.00	24	41	103	107	33
20	---	---	---	---	---	0.00	0.00	19	42	112	105	33
21	---	---	---	---	---	0.00	0.00	23	39	111	93	33
22	---	---	---	---	---	0.00	5.9	24	35	111	80	33
23	---	---	---	---	---	0.00	11	24	34	113	75	33
24	---	---	---	---	---	0.00	14	26	34	112	75	33
25	---	---	---	---	---	0.00	24	28	33	109	75	33
26	---	---	---	---	---	0.00	25	27	36	106	80	33
27	---	---	---	---	---	0.00	28	28	39	107	84	33
28	---	---	---	---	---	0.00	28	28	38	105	84	33
29	---	---	---	---	---	0.00	26	29	43	103	90	33
30	---	---	---	---	---	0.00	25	31	46	103	99	33
31	---	---	---	---	---	0.00	---	31	---	103	97	---
TOTAL	0	0	0	0	0	0	494.9	828	1100	2775	2757	1503
MEAN	0.000	---	---	---	---	0.000	16.4	26.7	36.6	89.5	89.0	50.2
MAX	0.00	---	---	---	---	0.00	32	31	46	113	112	94
MIN	0.00	---	---	---	---	0.00	0.00	19	32	45	45	33
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	982	1642	2182	5504	5468	2981
CAL	YEAR	2010	TOTAL	8239	MEAN	49.9	MAX	113.0	MIN	0.000	AC-FT	16340
WTR	YEAR	2011	TOTAL	9458	MEAN	44.2	MAX	113.0	MIN	0.000	AC-FT	18760

# NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER near Sutherland, 06691000

LOCATION.--SE/4SE1/4 Sec. 5-14-33 W., Lincoln County, Lat. 41° 12' 37", Long. 101° 06' 53", on right bank 200 feet south and 75 feet west of right end of bridge on county road, 2.5 miles upstream from Birdwood Creek and 3.5 miles north of Sutherland.

DRAINAGE AREA.--29,800 square miles; approximately 26,120 square miles contributes directly to surface runoff.

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

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

REMARKS.--Published by the USGS up to Oct. 1, 1991. Records are fair, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge 6,129 cubic feet per second June 21, gage height 7.11 feet; minimum daily flow 120 cubic feet per second estimated January 7-12.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1110	986	561	130e	160e	445	1670	1580	5310	4800	3360	3660
2	1180	878	532	125e	160e	357	1640	1570	5550	4350	3380	3570
3	1230	857	528	125e	170e	219	1610	1630	5510	4080	3360	3270
4	1240	833	519	125e	170e	372	1510	1710	5460	4020	3370	2800
5	1270	829	522	125e	175e	1020	1500	1730	5430	3740	3360	2780
6	1290	791	518	125e	175e	1200	1540	1750	5420	3430	3390	2810
7	1300	783	521	120e	180e	1250	1530	1920	5350	3640	3390	2860
8	1310	782	523	120e	185e	1300	1510	2140	5300	3580	3320	2860
9	1150	783	534	120e	185e	1380	1580	2170	5290	3670	3450	2850
10	1080	778	537	120e	185e	1490	1600	2170	5310	3520	3820	2830
11	1080	795	523	120e	185e	1630	1640	2140	5250	3420	3680	2830
12	992	843	532	120e	185e	1690	1610	2270	5210	3580	3630	2890
13	945	830	528	125e	185e	1690	1630	2190	5190	3710	3650	2840
14	931	830e	388	125e	189	1710	1530	2150	5290	3780	3590	3060
15	955	830e	277	125e	186	1690	1590	2120	5210	3710	3590	3140
16	975	850e	251	125e	182	1670	1600	2120	5220	3440	3550	3320
17	967	850e	239	125e	178	1710	1670	2170	5370	3010	3520	3260
18	970	850e	228	125e	175	1740	1670	2250	5150	3000	3540	3250
19	977	877	226	130e	188	1760	1700	2760	4880	2970	3620	3230
20	973	863	227	130e	205	1790	1640	3280	5340	2890	3720	3230
21	961	856	225	130e	220	1790	1630	3570	5740	2890	3640	3220
22	983	864	220	130e	214	1790	1670	3900e	5040	2780	3580	3250
23	1050	810	214	130e	175	1750	1550	4100e	5040	2640	3590	3250
24	1040	730	214	140e	174	1730	1510	4200e	5040	2590	3630	3260
25	1070	678	216	140e	235	1760	1490	4200e	5080	2590	3670	3230
26	1030	685	217	140e	282	1750	1500	4230	5030	2770	3700	3160
27	955	702	216	150e	247	1750	1490	4280	5010	3290	3710	3140
28	944	721	219	150e	176	1750	1450	4320	4890	3290	3670	3130
29	986	711	219	160e	---	1720	1450	4350	4910	3310	3640	3090
30	1000	655	130e	160e	---	1700	1530	4830	4940	3330	3780	3040
31	985	---	130e	160e	---	1710	---	4920	---	3360	3730	---
TOTAL	32929	24130	10934	4075	5326	45313	47240	88720	156760	105180	110630	93110
MEAN	1062	804.3	352.7	131.5	190.3	1461	1575	2861	5225	3391	3569	3103
MAX	1310	986	561	160	282	1790	1700	4920	5740	4800	3820	3660
MIN	931	655	130	120	160	219	1450	1570	4880	2590	3320	2780
AC-FT	65310	47860	21690	8083	10560	89880	93700	176000	310900	208600	219400	184700
CAL	YEAR	2010	TOTAL	189884	MEAN	520.2	MAX	1490	MIN	49.0	AC-FT	376600
WTR	YEAR	2011	TOTAL	724347	MEAN	1985	MAX	5740	MIN	120.0	AC-FT	1437000

e indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## BIRDWOOD CANAL from Birdwood Creek, 00016000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13	---	---	---	---	---	0.00	0.00	7.6	5.9	27	35
2	14	---	---	---	---	0.00	0.00	0.00	7.7	6.0	23	30
3	14	---	---	---	---	0.00	0.00	0.00	7.6	6.2	20	23
4	14	---	---	---	---	0.00	0.00	0.00	7.5	5.9	24	20
5	14	---	---	---	---	0.00	0.00	0.00	7.2	15	26	21
6	14	---	---	---	---	0.00	0.00	0.00	7.1	25	16	22
7	14	---	---	---	---	0.00	0.00	0.00	7.1	26	11	22
8	14	---	---	---	---	0.00	0.00	0.00	16	17	17	21
9	14	---	---	---	---	0.00	0.00	0.00	26	16	20	22
10	15	---	---	---	---	0.00	0.00	0.00	24	14	17	23
11	7.1	---	---	---	---	0.00	0.00	0.00	24	19	9.5	24
12	0.00	---	---	---	---	0.00	0.00	0.00	22	26	9.4	25
13	0.00	---	---	---	---	0.00	0.00	0.00	23	28	11	24
14	0.00	---	---	---	---	0.00	0.00	0.00	26	30	11	25
15	0.00	---	---	---	---	0.00	0.00	0.00	22	29	21	25
16	0.00	---	---	---	---	0.00	0.00	0.00	20	30	28	27
17	0.00	---	---	---	---	0.00	0.00	0.00	19	31	29	25
18	0.00	---	---	---	---	0.00	0.00	7.2	18	29	29	23
19	0.00	---	---	---	---	0.00	0.00	13	13	31	28	20
20	0.00	---	---	---	---	0.00	0.00	16	8.5	36	28	6.3
21	0.00	---	---	---	---	0.00	0.00	12	10	31	28	7.9
22	---	---	---	---	---	0.00	0.00	10	7.8	32	28	15
23	---	---	---	---	---	0.00	0.00	9.4	7.0	33	28	16
24	---	---	---	---	---	0.00	0.00	11	6.7	32	28	17
25	---	---	---	---	---	0.00	0.00	9.9	6.9	30	28	17
26	---	---	---	---	---	0.00	0.00	8.2	6.6	30	31	11
27	---	---	---	---	---	0.00	0.00	8.5	6.8	37	33	4.6
28	---	---	---	---	---	0.00	0.00	8.4	6.1	31	34	4.6
29	---	---	---	---	---	0.00	0.00	8.4	5.9	29	34	4.6
30	---	---	---	---	---	0.00	0.00	8.3	5.9	29	39	4.6
31	---	---	---	---	---	0.00	---	7.9	---	29	39	---
TOTAL	147.1	0	0	0	0	0	0	138.2	383	769	754.9	565.6
MEAN	7.0	---	---	---	---	0.000	0.000	4.5	12.8	24.8	24.4	18.8
MAX	15	---	---	---	---	0.00	0.00	16	26	37	39	35
MIN	0.00	---	---	---	---	0.00	0.00	0.00	5.9	5.9	9.4	4.6
AC-FT	292	0.00	0.00	0.00	0.00	0.00	0.00	274	760	1525	1497	1122
CAL	YEAR	2010	TOTAL	3088	MEAN	16.7	MAX	47.0	MIN	0.000	AC-FT	6125
WTR	YEAR	2011	TOTAL	2758	MEAN	11.8	MAX	39.0	MIN	0.000	AC-FT	5470

# NORTH PLATTE RIVER BASIN

## BIRDWOOD CREEK near Hershey, 06692000

LOCATION.--NE1/4NW1/4 Sec. 2-14-33 W., Lincoln County, Lat. 41° 13' 20", Long. 101° 04' 12", on the left bank 5 feet downstream from the bridge on W North River Road, one mile upstream from the confluence with the North Platte River and 5 miles northwest of Hershey.

GAGE.--Continuous stage recorder. Gage Elevation is 2,919.2 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.-- May - September partial year record 1994 - 1999, full time operation May 1931 - 1993, 2000 - present. Records are good, except estimated records are poor.

REMARKS.--Published by the USGS up to Oct. 1, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharge 243 cubic feet per second May 20, gage height 2.09 feet; maximum gage height estimated at 3.29 feet on January 5, due to backwater from ice conditions; minimum daily discharge 108 cubic feet per second September 2.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	149	170	156	135e	145e	167	188	169	146	142	117	110
2	146	171	163	140e	140e	163	184	181	150	146	118	108
3	145	171	165	145e	138e	163	183	179	150	152	124	117
4	146	164	160	150e	140e	165	175	179	152	150	128	119
5	146	163	161	155e	135e	157	176	174	151	144	164	118
6	146	168	157	160e	132e	162	175	178	153	141	186	118
7	146	169	161	154	135e	159	176	174	150	179	144	117
8	147	167	162	149	138e	160	176	175	138	163	135	116
9	148	167	162	150	140e	163	176	175	131	170	131	115
10	146	164	166	145e	142e	170	177	173	134	161	150	114
11	157	163	154	140e	144	177	181	175	132	159	146	114
12	161	172	153	135e	153	171	172	210	129	188	142	115
13	157	160	152	130e	171	170	167	173	131	186	138	112
14	155	157	156	130e	167	170	177	166	145	170	136	122
15	155	160	158	140e	172	168	205	161	140	155	129	120
16	149	160	155	136	174	172	189	161	136	146	124	128
17	140	164	152	140	173	172	197	160	149	135	122	117
18	143	158	150	144	165	170	188	149	136	128	123	118
19	142	159	150	140	168	170	183	172	154	122	125	118
20	147	157	152	129e	174	172	172	228	170	118	130	132
21	147	157	154	140	153e	172	179	177	178	119	129	126
22	152	157	149	148	161	173	183	160	151	116	123	118
23	159	156	147	139	168	168	171	152	143	113	119	120
24	175	158	147	147	164	165	171	173	142	113	115	121
25	176	156	147	147	156e	170	173	166	148	115	111	122
26	164	154	145	150	165	173	176	151	147	111	110	133
27	158	157	142	157	162	174	177	153	147	129	110	140
28	164	163	146	163	167	173	176	155	141	124	112	141
29	161	158	145	160	---	177	176	155	137	123	113	138
30	163	155e	143	157	---	179	176	154	141	119	119	136
31	174	---	140e	150e	---	182	---	154	---	119	114	---
TOTAL	4764	4855	4750	4505	4342	5247	5375	5262	4352	4356	3987	3643
MEAN	153.7	161.8	153.2	145.3	155.0	169.3	179.2	169.8	145.1	140.5	128.7	121.4
MAX	176	172	166	163	174	182	205	228	178	188	186	141
MIN	140	154	140	129	132	157	167	149	129	111	110	108
AC-FT	9449	9630	9421	8936	8612	10410	10660	10440	8632	8640	7908	7226
CAL	YEAR	2010	TOTAL	56670	MEAN	155.3	MAX	330.0	MIN	116.0	AC-FT	112400
WTR	YEAR	2011	TOTAL	55438	MEAN	151.9	MAX	228.0	MIN	108.0	AC-FT	110000

e indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## SUBURBAN CANAL from North Platte River, 00136000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	23	37	33	87	78
2	---	---	---	---	---	0.00	0.00	23	37	55	86	73
3	---	---	---	---	---	0.00	0.00	24	37	53	85	69
4	---	---	---	---	---	0.00	24	24	37	53	85	56
5	---	---	---	---	---	0.00	35	25	37	54	87	53
6	---	---	---	---	---	0.00	29	25	37	69	87	51
7	---	---	---	---	---	0.00	23	24	36	78	87	51
8	---	---	---	---	---	0.00	25	30	34	63	83	51
9	---	---	---	---	---	0.00	22	30	33	62	79	51
10	---	---	---	---	---	0.00	22	28	34	63	73	51
11	---	---	---	---	---	0.00	18	28	35	69	67	52
12	---	---	---	---	---	0.00	18	29	37	87	63	56
13	---	---	---	---	---	0.00	16	28	38	82	58	52
14	---	---	---	---	---	0.00	18	28	37	79	69	49
15	---	---	---	---	---	0.00	18	29	37	76	81	34
16	---	---	---	---	---	0.00	11	29	37	77	78	31
17	---	---	---	---	---	0.00	11	29	38	77	78	30
18	---	---	---	---	---	0.00	11	30	38	77	76	33
19	---	---	---	---	---	0.00	11	33	38	76	74	30
20	---	---	---	---	---	0.00	7.4	36	38	76	68	28
21	---	---	---	---	---	0.00	11	33	39	77	63	28
22	---	---	---	---	---	0.00	15	34	38	80	60	28
23	---	---	---	---	---	0.00	13	35	37	77	62	28
24	---	---	---	---	---	0.00	11	37	37	81	67	28
25	---	---	---	---	---	0.00	11	37	36	89	76	28
26	---	---	---	---	---	0.00	14	37	36	90	76	28
27	---	---	---	---	---	0.00	14	37	37	87	74	28
28	---	---	---	---	---	0.00	13	37	38	80	76	28
29	---	---	---	---	---	0.00	20	37	27	80	78	28
30	---	---	---	---	---	0.00	25	37	17	83	84	28
31	---	---	---	---	---	0.00	---	37	---	86	84	---
TOTAL	0	0	0	0	0	0	466.4	953	1074	2269	2351	1259
MEAN	0.000	---	---	---	---	0.000	15.5	30.7	35.8	73.2	75.8	42.1
MAX	0.00	---	---	---	---	0.00	35	37	39	90	87	78
MIN	0.00	---	---	---	---	0.00	0.00	23	17	33	58	28
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	925	1890	2130	4500	4663	2497
CAL	YEAR	2010	TOTAL	6590	MEAN	38.3	MAX	94.0	MIN	0.000	AC-FT	13070
WTR	YEAR	2011	TOTAL	8372	MEAN	39.1	MAX	90.0	MIN	0.000	AC-FT	16610

# NORTH PLATTE RIVER BASIN

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

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.4	---	---	---	---	---	0.00	0.00	1.6	3.8	4.7	14
2	5.9	---	---	---	---	---	0.00	0.00	2.3	3.6	3.4	9.2
3	6.5	---	---	---	---	---	0.00	0.00	1.9	2.9	2.8	7.5
4	6.8	---	---	---	---	---	0.00	0.00	1.7	2.4	3.1	8.9
5	6.8	---	---	---	---	---	0.00	0.00	1.7	8.4	4.2	11
6	6.8	---	---	---	---	---	0.00	0.00	1.7	16	4.4	11
7	6.8	---	---	---	---	---	0.00	0.00	1.6	20	4.6	11
8	6.8	---	---	---	---	---	0.00	0.50	1.7	20	4.7	12
9	6.1	---	---	---	---	---	0.00	0.79	1.7	13	4.3	12
10	4.7	---	---	---	---	---	0.00	1.4	1.9	8.9	3.9	12
11	4.4	---	---	---	---	---	0.00	2.1	2.0	5.3	3.1	11
12	4.4	---	---	---	---	---	0.00	3.3	2.2	4.2	0.89	11
13	0.00	---	---	---	---	---	0.00	3.9	2.0	4.0	0.86	11
14	0.00	---	---	---	---	---	0.00	3.8	2.3	3.0	0.72	11
15	---	---	---	---	---	0.00	0.00	4.1	3.7	3.7	3.4	12
16	---	---	---	---	---	0.00	0.00	4.1	11	4.8	7.5	7.4
17	---	---	---	---	---	0.00	0.00	4.1	16	5.4	13	2.1
18	---	---	---	---	---	0.00	0.00	4.6	18	6.6	13	1.0
19	---	---	---	---	---	0.00	0.00	5.5	17	6.4	13	0.96
20	---	---	---	---	---	0.00	0.00	6.1	4.4	8.1	14	0.96
21	---	---	---	---	---	0.00	0.00	2.1	4.0	14	14	0.95
22	---	---	---	---	---	0.00	0.00	1.7	4.6	17	9.7	0.94
23	---	---	---	---	---	0.00	0.00	1.5	4.2	18	3.4	0.92
24	---	---	---	---	---	0.00	0.00	1.5	5.0	20	7.0	0.91
25	---	---	---	---	---	0.00	0.00	1.3	6.6	20	9.7	0.90
26	---	---	---	---	---	0.00	0.00	1.2	4.0	21	11	0.82
27	---	---	---	---	---	0.00	0.00	1.2	3.5	23	10	0.70
28	---	---	---	---	---	0.00	0.00	1.2	4.6	18	9.7	0.67
29	---	---	---	---	---	0.00	0.00	1.2	3.9	16	12	0.66
30	---	---	---	---	---	0.00	0.00	1.3	3.0	17	14	2.3
31	---	---	---	---	---	0.00	---	1.7	---	13	14	---
TOTAL	71.4	0	0	0	0	0	0	60.19	139.8	347.5	224.07	186.79
MEAN	5.1	---	---	---	---	0.000	0.000	2.0	4.7	11.3	7.2	6.2
MAX	6.8	---	---	---	---	0.00	0.00	6.1	18	23	14	14
MIN	0.00	---	---	---	---	0.00	0.00	0.00	1.6	2.4	0.72	0.66
AC-FT	142	0.00	0.00	0.00	0.00	0.00	0.00	119	277	689	444	370
CAL	YEAR	2010	TOTAL	1276	MEAN	6.9	MAX	39.0	MIN	0.000	AC-FT	2532
WTR	YEAR	2011	TOTAL	1030	MEAN	4.8	MAX	23.0	MIN	0.000	AC-FT	2042

# NORTH PLATTE RIVER BASIN

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

LOCATION.--NE1/4NE1/4 Sec. 30-14-30 W., Lat. 41° 09' 40", Long. 100° 47' 25", on left bank 25 feet upstream from the bridge on N Buffalo Bill Ave., 0.8 mile upstream from the mouth and 1.5 miles northwest of the City of North Platte.

GAGE.--Continuous stage recorder. Datum of gage is 2805 feet above National Geodetic Vertical Datum of 1929.

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

REMARKS.--Published by the USGS up to October 1, 1979. Records are good, except estimated records are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharge 120 cubic feet per second August 10, gage height 2.25 feet; minimum daily discharge 14 cubic feet per second December 28 and 29.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	49	35	29	20e	23e	23	23	51	66	75	79	85
2	48	35	29	23e	24e	23	22	51	68	79	69	91
3	48	35	29	25e	24e	23	22	51	68	76	68	101
4	47	34	28	27e	25e	23	26	51	68	66	74	101
5	46	34	28	27e	25e	23	49	52	66	62	95	94
6	46	34	28	26e	25e	23	37	50	65	62	109	89
7	45	34	27	25e	24e	23	28	47	64	75	113	78
8	45	34	25	23e	24e	23	35	52	67	69	103	72
9	44	33	25	21e	24e	23	34	49	68	66	94	75
10	44	33	24	20e	25e	23	37	48	69	70	107	81
11	43	33	23	20e	24	23	42	49	66	63	110	83
12	42	33	23	20e	24	23	35	64	64	69	101	76
13	42	33	23	20e	24	23	33	66	64	74	85	74
14	41	33	23	21e	24	23	36	60	64	78	90	83
15	41	32	23	21	24	23	32	61	64	81	88	87
16	40	32	22	21	24	23	27	61	65	79	76	64
17	40	32	22	21	24	23	27	60	81	78	85	61
18	39	32	22	21	24	23	28	64	77	70	86	60
19	39	32	22	21e	24	23	29	64	74	73	79	58
20	39	32	22	21e	25	23	28	68	73	66	89	58
21	38	32	22	21e	24	23	28	66	81	51	93	57
22	38	32	21	22	24	23	29	67	75	58	88	56
23	39	31	21	22	24	23	33	67	64	61	92	55
24	38	31	20e	22	24	23	36	75	63	60	85	55
25	38	30	18e	23	23	23	37	77	62	71	79	55
26	37	30	16e	23	24	23	42	72	63	81	79	57
27	37	30	15e	23	24	23	48	69	73	92	77	64
28	36	30	14e	24	23	23	48	67	78	91	77	56
29	36	30	14e	24	---	23	45	67	76	99	75	54
30	35	28	15e	24	---	23	45	65	74	98	70	53
31	35	---	17e	24e	---	23	---	65	---	92	73	---
TOTAL	1275	969	690	696	674	713	1021	1876	2070	2285	2688	2133
MEAN	41.1	32.3	22.3	22.5	24.1	23.0	33.9	60.5	68.9	73.7	86.6	71.0
MAX	49	35	29	27	25	23	49	77	81	99	113	101
MIN	35	28	14	20	23	23	22	47	62	51	68	53
AC-FT	2529	1922	1369	1380	1337	1414	2025	3721	4106	4532	5332	4231
CAL	YEAR	2010	TOTAL	19608	MEAN	53.7	MAX	172.0	MIN	14.0	AC-FT	38890
WTR	YEAR	2011	TOTAL	17090	MEAN	46.8	MAX	113.0	MIN	14.0	AC-FT	33900

e indicates estimated discharge.

# NORTH PLATTE RIVER BASIN

## NORTH PLATTE RIVER at North Platte, 06693000

LOCATION.-- NW1/4SE1/4 Sec. 28-14-30 W., Lincoln County, Lat. 41° 09' 13", Long. 100° 45' 16", on right bank 150 feet downstream from bridge on U.S. Highway 83, 0.5 mile north of North Platte and 4.5 miles upstream from confluence with South Platte River.

DRAINAGE AREA.--30,900 square miles, approximately 26,300 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum 2,792.14 feet above sea level.

PERIOD OF RECORD.--February 1895 - present, Monthly discharge only for some periods published by USGS in WSP 1310.

REMARKS.--Published by the USGS up to Oct. 1, 1994. Records are good, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 6,107 cubic feet per second June 21, gage height 7.73 feet; minimum daily discharge 239 cubic feet per second estimated January 12.

### DISCHARGE ( CFS ), WATER YEAR 2011

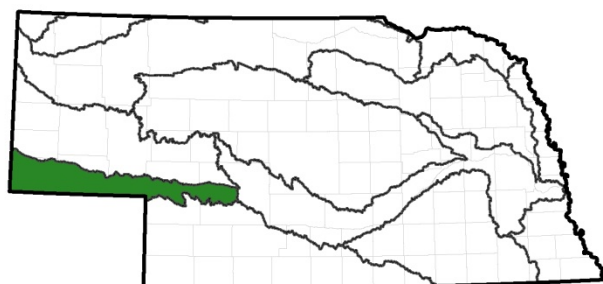
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1090	1030	772	371e	266e	499	1990	1710	4790	4760	3650	3560
2	1120	1010	708	339e	303e	680	1970	1770	5110	4640	3600	3520
3	1170	953	696	350e	331e	571	1960	1800	5390	4350	3590	3480
4	1210	947	688	350e	372e	552	1920	1830	5390	4070	3620	3130
5	1210	926	693	350e	425e	900	1910	1860	5450	3840	3760	2880
6	1190	919	706	300e	397e	1250	1910	1870	5510	3560	3820	2830
7	1170	899	689	280e	368e	1290	1910	1910	5530	3460	3880	2830
8	1170	907	695	267e	340e	1340	1910	2090	5440	3450	3940	2830
9	1130	914	700	263e	299e	1460	1910	2230	5360	3380	3890	2820
10	1000	903	705	251e	320e	1600	1950	2250	5380	3360	4020	2810
11	996	898	689	239e	373e	1730	1960	2270	5360	3220	4220	2820
12	1000	942	670	266e	393e	1950	1950	2490	5390	3250	4070	2840
13	968	946	713	280e	431e	1750	1890	2630	5370	3380	3940	2840
14	972	928	615	308e	476e	1960	1900	2500	5340	3440	3940	2960
15	954	928	511	300e	469e	1900	1940	2430	5370	3430	3870	3000
16	968	927	476	328e	389	1890	1980	2420	5320	3380	3770	3110
17	995	957	470	336e	353	1840	2060	2440	5550	3080	3700	3150
18	1000	974	449	300e	335	1860	1960	2500	5510	2900	3690	3100
19	998	988	429	313e	334	1880	1980	2600	5290	2910	3680	3050
20	997	988	439	313e	348	1910	1960	3200	5130	2860	3740	3040
21	979	972	447	350e	342e	1910	1850	3600	5560	2820	3810	2990
22	978	953	442	350e	346e	1890	1880	3730	5860	2820	3770	2990
23	1030	950	460	367e	361e	1920	1880	3960	5290	2760	3690	3010
24	1080	910	488	400e	381e	1940	1790	4370	5150	2680	3620	3010
25	1060	855	463	400e	391e	1930	1740	4550	5090	2700	3570	3020
26	1080	837	475	400e	413e	1990	1700	4480	5050	2740	3580	3000
27	991	841	497	425e	425e	2040	1740	4470	5060	3150	3590	2990
28	968	859	486	376e	467	2020	1720	4450	4930	3570	3600	2980
29	984	847	483	344e	---	2030	1690	4450	4810	3610	3560	2970
30	1030	807	467e	307e	---	1990	1640	4450	4790	3620	3570	2920
31	1040	---	400e	286e	---	2000	---	4660	---	3620	3610	---
TOTAL	32528	27715	17621	10109	10448	50472	56550	91970	158570	104810	116360	90480
MEAN	1050	923.7	568.5	326.2	373.1	1627	1885	2966	5285	3381	3753	3015
MAX	1210	1030	772	425	476	2040	2060	4660	5860	4760	4220	3560
MIN	954	807	400	239	266	499	1640	1710	4790	2680	3560	2810
AC-FT	64520	54970	34950	20050	20720	100100	112200	182400	314500	207900	230800	179500
CAL	YEAR	2010	TOTAL	267406	MEAN	732.6	MAX	1540	MIN	216.0	AC-FT	530400
WTR	YEAR	2011	TOTAL	767633	MEAN	2103	MAX	5860	MIN	239.0	AC-FT	1523000

e indicates estimated discharge.



# SOUTH PLATTE RIVER BASIN

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# SOUTH PLATTE RIVER BASIN

## LODGEPOLE CREEK above Oliver Reservoir, 00219500

LOCATION.--SE1/4NE1/4 Sec. 33-15-57 W., Kimball County, Lat. 41° 13' 43", Long. 103° 48' 03", on the left bank approximately two miles southeast of Bushnell and 1.5 miles west of Oliver Reservoir.

GAGE.--Continuous stage recorder

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

REMARKS.--Published using the USGS number 06762500 from 1992 to 2002. Published by the USGS up to Oct. 1, 1991 and restarted in 2003 at the Highway 53c site at Bushnell, station number 06762500. Records, including estimated records, are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharge 8.2 cubic feet per second July 11, gage height 2.57 feet; minimum daily discharge 0.73 cubic feet per second August 4.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.3	1.4	1.3	1.1e	2.0e	2.4	3.2	2.0e	1.7e	1.9	0.86	0.85
2	1.3	1.4	1.3	1.3e	2.0e	2.4	3.1	1.9e	1.8e	1.9	0.81	0.84
3	1.3	1.4	1.4	1.5e	2.1e	2.3	3.2	1.8e	1.9e	1.9	0.76	0.84
4	1.3	1.4	1.3	1.5e	2.5	2.4	3.2	1.9e	1.8e	2.0	0.73	0.83
5	1.3	1.4	1.3	1.5e	2.6	2.4	3.2	1.7e	1.7e	2.0	0.76	0.90
6	1.3	1.4	1.3	1.6e	2.8	2.4	3.3	1.7e	1.5e	2.1	0.76	0.91
7	1.3	1.4	1.3	1.6e	2.6	2.5	3.3	1.7e	1.6e	2.1	0.74	0.93
8	1.3	1.4	1.3	1.7e	2.9	2.6	3.4	1.7e	1.6e	2.1	0.76	0.94
9	1.3	1.3	1.3	1.8e	2.7	2.6	3.6	1.7e	1.7e	2.2	0.77	0.93
10	1.4	1.3	1.3	1.9e	2.8	2.6	3.8	1.7e	1.8e	2.1	0.77	0.94
11	1.4	1.3	1.3	1.6e	2.7	2.6	3.5	2.1e	1.7e	3.5	0.77	0.96
12	1.4	1.3	1.3	1.7e	2.7	2.6	3.6	1.6e	1.7e	2.7	0.77	0.97
13	1.4	1.3	1.3	2.2e	2.7	2.6	3.5	1.7e	1.7e	2.6	0.77	0.98
14	1.4	1.3	1.3	2.3e	2.8	2.6	3.0	1.6e	1.7e	2.4	0.76	1.0
15	1.4	1.4	1.3	2.5e	2.7	2.6	2.5	1.5e	1.7e	2.4	0.76	1.1
16	1.4	1.4	1.3	2.6e	2.7	2.6	2.4	1.6e	1.6	2.4	0.77	1.1
17	1.4	1.4	1.3	2.7e	2.9	2.7	2.2	1.7e	1.6	2.5	0.78	1.1
18	1.4	1.4	1.3	2.7e	2.8	3.0	2.8	1.8e	1.6	2.5	0.77	1.1
19	1.4	1.4	1.3	2.7e	2.8	3.0	3.5e	2.3e	1.8	2.5	0.79	1.1
20	1.4	1.4	1.3	2.6e	2.8	3.0	3.1e	2.1e	1.8	2.4	0.79	1.1
21	1.4	1.4	1.3	2.5e	2.7	3.0	2.8e	2.0e	1.8	2.2	0.80	1.1
22	1.4	1.4	1.3	2.6e	2.8	3.1	2.7e	1.6e	1.8	2.0	0.79	1.2
23	1.4	1.4	1.3	2.2e	2.7	3.0	2.6e	1.8e	1.8	1.8	0.77	1.2
24	1.4	1.4	1.3	2.3e	2.3	3.0	2.5e	1.9e	1.8	1.6	0.77	1.2
25	1.4	1.3e	1.3	2.3e	2.2	3.1	2.5e	2.3e	1.8	1.5	0.77	1.3
26	1.4	1.3	1.3	2.3e	2.3	3.4	2.4e	1.8e	1.8	1.4	0.80	1.3
27	1.4	1.3	1.3	2.3e	2.3	3.3	2.3e	1.8e	1.8	1.3	0.81	1.4
28	1.4	1.4	1.3	2.4e	2.3	3.2	2.2e	1.7e	1.9	1.2	0.82	1.4
29	1.4	1.4	1.3	2.2e	---	3.2	2.1e	1.7e	2.0	1.1	0.86	1.4
30	1.4	1.4	1.3e	2.2e	---	3.5	2.0e	2.0e	2.0	1.0	0.85	1.5
31	1.4	---	1.2e	2.1e	---	3.6	---	1.8e	---	0.95	0.85	---
TOTAL	42.5	41.1	40.3	64.5	72.2	87.3	87.5	56.2	52.5	62.25	24.34	32.42
MEAN	1.4	1.4	1.3	2.1	2.6	2.8	2.9	1.8	1.8	2.0	0.79	1.1
MAX	1.4	1.4	1.4	2.7	2.9	3.6	3.8	2.3	2.0	3.5	0.86	1.5
MIN	1.3	1.3	1.2	1.1	2.0	2.3	2.0	1.5	1.5	0.95	0.73	0.83
AC-FT	84	82	80	128	143	173	174	111	104	123	48	64
CAL	YEAR	2010	TOTAL	688	MEAN	1.9	MAX	9.1	MIN	1.2	AC-FT	1365
WTR	YEAR	2011	TOTAL	663	MEAN	1.8	MAX	3.8	MIN	0.73	AC-FT	1315

e indicates estimated discharge.

[illegible]

# SOUTH PLATTE RIVER BASIN

## LODGEPOLE CREEK at Ralton, 06763500

LOCATION.--NE1/4NW1/4 Sec. 12-12-45 W., Deuel County, Lat. 41° 02' 01", Long. 102° 24' 18", on right bank directly west of the bridge culvert at Ralton, 2.1 miles upstream of the CO-NE State line on Nebraska Highway 23, 5.5 miles southeast of Chappell on Nebraska Highway 23.

DRAINAGE AREA.--Approximately 3,307 square miles.

GAGE.--Continuous stage recorder. Datum of gage is 3,590 feet, from topographic map.

PERIOD OF RECORD.--March to September 1931, June 1951 to September 1979 (discontinued), operated by the Department of Natural Resources October 1, 2001 - present.

REMARKS.--Published by the USGS up to Oct. 1, 1979. Records of discharge are fair, except estimated records and records below 5 cubic feet per second are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 4,560 cubic feet per second August 15, 1968, gage height 6.49 feet from rating curve extended above 1,200 cubic feet per second on basis of slope-area measurement of peak flow; minimum daily discharge of no flow many years since 1931.

EXTREMES FOR CURRENT YEAR.--Maximum discharge was 31 cubic feet per second on July 14 at gage height 3.18 feet; minimum daily discharge 0.05 cubic feet per second estimated January 18-February 15.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.6	2.3	3.7e	3.6e	0.05e	4.6e	6.0	5.9	11	7.0	7.2	4.8
2	2.5	2.3	3.8e	3.4e	0.05e	4.9e	6.1	6.0	10	6.7	6.8	4.7
3	2.6	2.3	3.9e	3.2e	0.05e	5.2e	5.9	5.9	8.9	6.4	6.4	4.7
4	2.6	2.3	3.9e	2.9e	0.05e	5.6e	5.7	5.7	8.7	6.1	6.2	4.7
5	2.7	2.3	4.0e	2.7e	0.05e	5.9e	6.0	5.5	9.0	5.9	6.6	4.7
6	2.6	2.4	4.1e	2.5e	0.05e	6.2e	6.1	5.4	8.6	6.7	6.4	4.7
7	2.6	2.4	4.2e	2.3e	0.05e	6.5e	6.1	5.2	8.0	12	6.4	4.7
8	2.6	2.4	4.3e	2.1e	0.05e	6.8e	6.1	5.0	7.2	6.9	6.9	4.7
9	2.6	2.4	3.0	1.9e	0.05e	7.2e	6.3	4.7	6.8	6.4	7.5	4.6
10	2.7	2.4	2.3	1.7e	0.05e	6.3	6.2	4.5	6.3	6.8	8.5	4.5
11	2.7	2.4	2.2	1.5e	0.05e	5.8	6.5	4.3	6.2	7.3	8.1	4.4
12	2.6	2.5	2.4	1.3e	0.05e	5.6	6.5	4.8	5.6	14	8.4	4.4
13	2.6	2.5	2.8	1.1e	0.05e	5.5	6.5	4.6	5.0	17	9.0	4.3
14	2.6	2.5	2.9	0.88e	0.05e	5.6	6.5	4.3	5.1	23	9.0	4.2
15	2.5	2.5	2.3	0.67e	0.05e	5.7	7.3	4.2	4.7	21	9.2	4.8
16	2.4	2.6	2.6	0.46e	0.37e	5.7	7.9	4.3	4.6	19	9.2	4.9
17	2.3	2.6	2.7	0.26e	0.70e	5.5	8.1	4.4	6.5	21	8.8	4.8
18	2.3	2.7	3.3	0.05e	1.0e	5.7	7.1	5.1	6.0	22	12	5.0
19	2.3	2.8	3.1	0.05e	1.3e	6.1	7.2	6.0	8.6	23	11	5.0
20	2.3	2.8	2.8	0.05e	1.7e	5.9	6.9	7.4	16	22	8.0	4.9
21	2.3	2.9	2.4	0.05e	2.0e	5.7	6.6	7.7	12	19	7.3	4.9
22	2.3	3.2	2.4	0.05e	2.3e	5.8	6.2	7.9	11	17	6.2	4.9
23	2.4	3.0	3.0	0.05e	2.6e	5.5	5.8	9.1	11	14	5.6	4.8
24	2.4	3.2	3.5	0.05e	3.0e	5.5	5.8	11	10	12	5.3	4.8
25	2.5	3.3e	3.4	0.05e	3.3e	5.5	6.4	11	9.2	11	5.1	4.8
26	2.4	3.3e	3.0	0.05e	3.6e	5.6	6.3	10.0	8.4	11	4.9	4.8
27	2.4	3.4e	3.4	0.05e	3.9e	5.6	6.8	10	7.6	10	4.4	4.8
28	2.4	3.5e	3.6	0.05e	4.3e	5.7	6.7	12	7.2	9.3	4.1	4.8
29	2.4	3.6e	3.7	0.05e	---	5.8	6.4	12	7.2	8.6	4.7	4.6
30	2.4	3.6e	3.8	0.05e	---	5.8	6.2	12	7.3	8.5	6.4	4.6
31	2.3	---	2.0	0.05e	---	5.9	---	11	---	7.8	5.2	---
TOTAL	76.9	82.4	98.5	33.17	30.82	178.7	194.2	216.9	243.7	388.4	220.8	141.3
MEAN	2.5	2.7	3.2	1.1	1.1	5.8	6.5	7.0	8.1	12.5	7.1	4.7
MAX	2.7	3.6	4.3	3.6	4.3	7.2	8.1	12	16	23	12	5.0
MIN	2.3	2.3	2.0	0.05	0.05	4.6	5.7	4.2	4.6	5.9	4.1	4.2
AC-FT	153	163	195	66	61	354	385	430	483	770	438	280
CAL	YEAR	2010	TOTAL	2045	MEAN	5.6	MAX	461.0	MIN	0.87	AC-FT	4056
WTR	YEAR	2011	TOTAL	1906	MEAN	5.2	MAX	23.0	MIN	0.050	AC-FT	3780

e indicates estimated discharge.

# SOUTH PLATTE RIVER BASIN

## WESTERN CANAL from South Platte River, 00147000

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1918 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	74	27	0.00	---	---	---	0.00	66	57	35	47	68
2	73	22	0.00	---	---	---	0.00	67	0.00	25	33	63
3	74	18	0.00	---	---	---	0.00	77	0.00	11	39	52
4	72	17	0.00	---	---	---	0.00	74	0.00	2.6	49	63
5	70	15	0.00	---	---	---	0.00	77	0.00	29	57	58
6	70	14	0.00	---	---	---	0.00	81	0.00	31	51	54
7	68	17	0.00	---	---	---	0.00	85	0.00	49	60	61
8	66	15	0.00	---	---	---	0.00	89	0.00	64	61	82
9	67	16	0.00	---	---	---	0.00	76	0.00	64	86	84
10	68	17	---	---	---	---	80	76	0.00	59	25	83
11	66	21	---	---	---	---	81	42	0.00	69	36	73
12	65	22	---	---	---	---	80	29	0.00	63	38	75
13	66	20	---	---	---	---	80	48	0.00	74	51	85
14	66	24	---	---	---	---	84	43	105	116	42	64
15	65	43	---	---	---	---	90	48	76	62	69	67
16	63	52	---	---	---	---	95	68	94	87	62	72
17	59	57	---	---	---	0.00	100	76	61	105	61	80
18	57	60	---	---	---	0.00	101	53	50	119	56	157
19	56	56	---	---	---	0.00	104	59	59	102	89	171
20	56	50	---	---	---	0.00	100	72	54	83	86	126
21	55	51	---	---	---	0.00	107	76	57	86	78	92
22	55	52	---	---	---	0.00	102	88	57	79	76	97
23	54	56	---	---	---	0.00	98	78	61	77	72	103
24	56	57	---	---	---	0.00	102	74	70	61	90	110
25	67	0.00	---	---	---	0.00	92	48	81	100	84	106
26	70	0.00	---	---	---	0.00	76	65	75	82	105	103
27	46	0.00	---	---	---	0.00	73	73	44	72	87	110
28	39	0.00	---	---	---	0.00	88	64	67	62	88	101
29	36	0.00	---	---	---	0.00	87	67	75	38	73	80
30	31	0.00	---	---	---	0.00	66	75	52	57	78	82
31	28	---	---	---	---	0.00	---	75	---	71	79	---
TOTAL	1858	799	0	0	0	0	1886	2089	1195	2034.6	2008	2622
MEAN	60.0	26.7	0.000	---	---	0.000	62.8	67.4	39.9	65.7	64.7	87.4
MAX	74	60	0.00	---	---	0.00	107	89	105	119	105	171
MIN	28	0.00	0.00	---	---	0.00	0.00	29	0.00	2.6	25	52
AC-FT	3685	1585	0.00	0.00	0.00	0.00	3741	4143	2370	4036	3983	5201
CAL	YEAR	2010	TOTAL	14927	MEAN	62.5	MAX	158.0	MIN	0.000	AC-FT	29610
WTR	YEAR	2011	TOTAL	14492	MEAN	54.1	MAX	171.0	MIN	0.000	AC-FT	28740

# SOUTH PLATTE RIVER BASIN

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

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

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

PERIOD OF RECORD.--1947 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	165	170	150	200	154	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	174	162	148	199	154	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	169	157	146	198	154	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	160	160	144	198	155	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	159	161	157	193	156	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	157	151	182	195	157	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	167	140	185	195	158	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	163	134	186	193	158	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	159	120	185	192	159	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	160	114	183	191	175	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	149	122	183	189	249	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	147	175	181	190	181	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	139	159	183	192	138	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	146	146	184	136	136	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	176	140	180	13	139	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	177	123	172	8.5	133	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	195	122	174	6.3	133	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	198	138	177	5.8	134	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	203	178	180	5.7	137	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	199	193	142	5.8	139	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	192	191	18	5.9	129	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	198	185	12	5.5	99	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	181	181	96	5.3	87	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	180	183	212	5.0	87	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	186	168	205	4.8	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	196	174	201	28	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	188	161	204	156	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	189	144	204	158	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	182	142	201	160	0.00	0.00
30	0.00	0.00	0.00	0.00	---	113	171	144	199	157	0.00	0.00
31	0.00	---	0.00	0.00	---	164	---	149	---	155	0.00	---
TOTAL	0	0	0	0	0	277	5225	4787	4974	3546.6	3501	0
MEAN	0.000	0.000	0.000	0.000	0.000	8.9	174.1	154.4	165.8	114.4	112.9	0.000
MAX	0.00	0.00	0.00	0.00	0.00	164	203	193	212	200	249	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	139	114	12	4.8	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	549	10360	9495	9866	7035	6944	0.00
CAL	YEAR	2010	TOTAL	88921	MEAN	243.6	MAX	1160	MIN	0.000	AC-FT	176400
WTR	YEAR	2011	TOTAL	22311	MEAN	61.1	MAX	249.0	MIN	0.000	AC-FT	44250

# SOUTH PLATTE RIVER BASIN

## SOUTH PLATTE RIVER at North Platte, 06765500

LOCATION.--NE1/4NE1/4 Sec. 8-13-30 W., Lincoln County, Lat. 41° 07' 05", Long. 100° 46' 22", on left bank 0.5 mile upstream of bridge on U.S. Highway 83, 5.5 miles upstream from confluence with the North Platte River.

DRAINAGE AREA.--Approximately 24,300 square miles.

GAGE.--Continuous stage recorder. Datum of gage is 2,787.73 feet above mean sea level.

PERIOD OF RECORD.--May 1917 - present, periodic record June 1897 - September 1915. Monthly discharge only for some periods published by USGS in WSP 1310.

REMARKS.--Published by the USGS up to Oct. 1, 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 37,100 cubic feet per second observed June 3, 1935, gage height 14.02 feet; minimum daily discharge 35 cubic feet per second January 4, 1949.

EXTREMES FOR CURRENT YEAR.--Peak discharge 6,967 cubic feet per second July 23, gage height 10.69 feet; minimum daily discharge 175 cubic feet per second April 10.

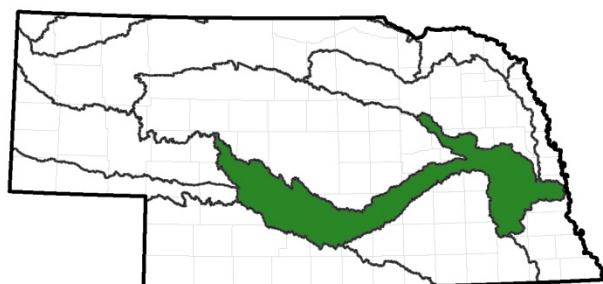
### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	206	248	371	183	250e	608	242	201	1260	1110	990	344
2	227	246	361	186	250e	584	234	202	1160	982	866	375
3	224	239	378	201	260e	586	219	195	1070	872	770	371
4	220	232	380	217	280e	579	187	192	959	751	703	371
5	218	227	383	223	290e	554	176	188	843	635	661	364
6	209	225	384	215	320e	528	185	189	730	572	577	326
7	195	221	387	238	350e	514	184	197	646	572	519	304
8	189	220	395	254	400e	502	182	196	583	517	473	301
9	208	216	386	250	400e	489	184	191	544	536	453	321
10	222	213	354	226e	500e	479	175	185	508	569	503	345
11	229	210	346	236	520e	479	181	199	496	515	493	370
12	224	216	362	220e	540e	473	187	211	482	543	454	358
13	223	217	342	230e	550e	459	187	212	456	587	454	363
14	222	215	352	250e	593	430	200	205	502	821	485	376
15	224	210	370	250e	667	402	222	213	575	1230	482	362
16	226	202	365	270e	771	408	227	220	697	1990	439	382
17	229	221	369	270e	1060	400	220	224	886	2910	391	368
18	235	249	359	270e	1100	383	215	231	967	3490	356	371
19	228	269	328	250e	942	368	231	224	996	3960	324	434
20	223	284	331	220e	864	350	221	273	1010	4400	303	472
21	211	297	366	240e	785	328	214	305	2330	4930	284	504
22	206	302	350	250e	758	319	227	311	2030	5580	254	518
23	225	304	321	250e	765	333	218	314	1820	5930	244	524
24	231	305	316	270e	753	319	210	386	1710	4300	253	551
25	231	327	347	270e	728	308	209	552	1710	3480	270	536
26	231	323	370	280e	710	304	209	831	1820	3110e	282	506
27	235	323	368	280e	660	286	207	1130	2030	2800e	290	494
28	247	342	361	280e	614	278	207	1320	1840	2200e	290	486
29	250	365	371	300e	---	288	200	1430	1570	1610e	278	462
30	250	377	358	280e	---	290	199	1440	1310	1380	296	422
31	253	---	301	250e	---	268	---	1370	---	1160	300	---
TOTAL	6951	7845	11132	7609	16680	12896	6159	13537	33540	64042	13737	12281
MEAN	224.2	261.5	359.2	245.4	595.8	415.9	205.3	436.5	1118	2066	443.1	409.3
MAX	253	377	395	300	1100	608	242	1440	2330	5930	990	551
MIN	189	202	301	183	250	268	175	185	456	515	244	301
AC-FT	13790	15560	22080	15090	33080	25580	12220	26850	66530	127000	27250	24360
CAL	YEAR	2010	TOTAL	276696	MEAN	758.1	MAX	8890	MIN	167.0	AC-FT	548800
WTR	YEAR	2011	TOTAL	206409	MEAN	565.5	MAX	5930	MIN	175.0	AC-FT	409400

e indicates estimated discharge.

# PLATTE RIVER BASIN

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# PLATTE RIVER BASIN

## TRI-COUNTY CANAL from Platte River, 00142000

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

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

PERIOD OF RECORD.--1941 - present

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2160	2190	2180	1040	942	2180	2170	2230	2210	2230	2240	2220
2	2210	2180	2040	1050	816	2150	2180	2210	2200	2210	2240	2220
3	2210	2190	2080	1160	904	2170	2160	2210	2200	2210	2240	2200
4	2210	2190	2080	1220	1050	2160	2170	2220	2190	2230	2240	2210
5	2180	2180	2060	1240	1070	2160	2160	2200	2210	2230	2240	2190
6	2220	2170	2050	1260	1120	2180	2170	2190	2220	2200	2250	2210
7	2110	2140	2040	1330	1280	2140	2190	2210	2220	2190	2250	2190
8	2230	2140	2040	1190	1010	2150	2180	2210	2240	2210	2250	2210
9	2190	2130	2060	1130	1000	2160	2160	2220	2230	2200	2230	2210
10	2190	2140	2050	933	1220	2150	2170	2210	2220	2200	2240	2220
11	2190	2150	2010	1210	1540	2170	2160	2220	2210	2200	2240	2230
12	2190	2180	1520	1390	1820	2170	2150	2190	2210	2210	2220	2200
13	2190	2160	1200	1150	1960	2180	2160	2210	2210	2200	2240	2210
14	2200	2180	1430	1460	2000	2180	2160	2200	2220	2220	2240	2210
15	2210	2180	1850	1420	2030	2180	2170	2200	2230	2220	2230	2200
16	2220	2180	1740	1440	2020	2170	2150	2200	2220	2220	2230	2200
17	2200	2170	1710	1560	2150	2180	2160	2180	2230	2200	2240	2210
18	2140	2150	1640	1550	2150	2190	2190	2200	2210	2210	2240	2210
19	2190	2140	1680	1360	2140	2160	2170	2170	2210	2220	2240	2200
20	2200	2160	1710	809	2150	2160	2160	2210	2210	2230	2240	2210
21	2190	2150	2000	1290	2130	2160	2170	2210	2220	2230	2250	2210
22	2200	2160	2150	1930	2130	2190	2180	2230	2220	2240	2230	2220
23	2210	2150	2090	1980	2170	2190	2190	2220	2230	2220	2230	2210
24	2200	2170	2110	2030	2170	2180	2190	2230	2220	2240	2240	2200
25	2200	2140	2140	2030	2170	2150	2190	2210	2220	2250	2250	2200
26	2200	2140	1980	2010	1590	2150	2190	2210	2220	2230	2220	2210
27	2200	2150	2040	2040	2120	2140	2200	2220	2210	2230	2220	2200
28	2170	2150	2170	2110	2130	2140	2210	2220	2210	2240	2220	2220
29	2180	2170	2160	2130	---	2130	2210	2220	2210	2240	2210	2210
30	2170	2230	2150	2100	---	2110	2230	2210	2230	2230	2210	2210
31	2200	---	1400	1760	---	2170	---	2230	---	2250	2220	---
TOTAL	67960	64910	59560	46312	46982	67050	65300	68500	66490	68840	69280	66250
MEAN	2192	2164	1921	1493	1678	2163	2176	2209	2216	2221	2235	2208
MAX	2230	2230	2180	2130	2170	2190	2230	2230	2240	2250	2250	2230
MIN	2110	2130	1200	809	816	2110	2150	2170	2190	2190	2210	2190
AC-FT	134800	128700	118100	91860	93190	133000	129500	135900	131900	136500	137400	131400
CAL	YEAR	2010	TOTAL	678309	MEAN	1858	MAX	2290	MIN	702.0	AC-FT	1345000
WTR	YEAR	2011	TOTAL	757434	MEAN	2075	MAX	2250	MIN	809.0	AC-FT	1502000

# PLATTE RIVER BASIN

## JEFFREY RESERVOIR from Platte River, 00403700

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	2,759.0	6,349
Normal minimum operating level	2,745.0	5,113

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5567	5567	5292	5622	5237	4862	5677	5512	5567	5512	5622	5732
2	5622	5567	5347	5512	4812	4962	5677	5512	5622	5512	5677	5677
3	5567	5622	5292	5567	4612	4962	5677	5512	5622	5567	5677	5787
4	5512	5622	5237	5457	4762	5017	5622	5567	5622	5677	5677	5787
5	5512	5677	5292	5292	4862	5072	5622	5567	5622	5622	5787	5787
6	5402	5677	5347	5292	5017	5017	5622	5567	5677	5787	5677	5732
7	5182	5677	5292	5512	5457	5017	5567	5567	5622	5787	5732	5677
8	4962	5677	5347	5457	5292	5017	5512	5567	5622	5732	5952	5622
9	4762	5622	5402	5347	5127	4962	5512	5622	5677	5677	6177	5622
10	4562	5622	5402	5677	4912	5017	5512	5512	5622	5732	6177	5567
11	5292	5567	5402	5732	4812	5072	5512	5567	5567	5732	6062	5567
12	4962	5567	5292	5182	4762	5182	5457	5512	5457	5787	6007	5622
13	4712	5622	5457	5512	4862	5182	5457	5567	5402	5732	5897	5677
14	5512	5622	5347	5512	5182	5237	5512	5567	5402	5677	5787	5677
15	5512	5622	5347	5677	5347	5127	5567	5567	5622	5677	5787	5732
16	5567	5622	5347	5567	5292	5127	5567	5567	5677	5677	5677	5677
17	5567	5677	5237	5512	5292	5127	5512	5512	5677	5622	5622	5622
18	5622	5677	5017	5677	5292	5182	5457	5567	5842	5622	5512	5567
19	5622	5622	5292	5732	5347	5182	5457	5622	5677	5622	5567	5457
20	5622	5677	5127	5237	5457	5182	5402	5622	5677	5677	5677	5292
21	5622	5512	5292	5237	5402	5182	5402	5677	5732	5677	5732	5127
22	5567	5512	5677	5457	5457	5292	5457	5677	5732	5677	5732	5017
23	5622	5457	5622	5567	5512	5292	5457	5787	5732	5622	5677	4912
24	5567	5457	5512	5677	5512	5292	5457	5787	5787	5622	5622	4812
25	5567	5457	5512	5732	5512	5292	5457	5732	5787	5677	5512	4712
26	5567	5402	5402	6007	5127	5237	5457	5622	5732	5622	5567	4662
27	5622	5402	5402	6119	4712	5292	5512	5567	5677	5622	5512	4512
28	5622	5402	5567	6407	4812	5292	5512	5567	5622	5567	5567	4462
29	5567	5402	5402	6522	---	5292	5512	5567	5567	5622	5567	4212
30	5567	5182	5402	6407	---	5732	5512	5567	5567	5622	5567	4062
31	5567	---	5182	5952	---	5732	---	5567	---	5622	5622	---
MEAN	5422	5560	5358	5650	5135	5175	5521	5590	5640	5657	5723	5312
MAX	5622	5677	5677	6522	5512	5732	5677	5787	5842	5787	6177	5787
MIN	4562	5182	5017	5182	4612	4862	5402	5512	5402	5512	5512	4062
CAL	YEAR	2010	TOTAL	1997800	MEAN	5473	MAX	6007	MIN	4462		
WTR	YEAR	2011	TOTAL	2000662	MEAN	5481	MAX	6522	MIN	4062		

PLATTE RIVER BASIN

JEFFREY POWER RETURN to Platte River, 00143000

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

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

PERIOD OF RECORD.--1941 - present

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

DISCHARGE ( CFS ), WATER YEAR 2011

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
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NO RELEASES WERE MADE IN 2011 FROM JEFFERY POWER RETURN TO THE PLATTE RIVER.

# PLATTE RIVER BASIN

## ELWOOD RESERVOIR from Platte River, 00403300

LOCATION.--NW1/4NW1/4 Sec. 33-8-22 W. near Elwood

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1978 - present

REMARKS.--Values furnished by Central Nebraska Public Power and Irrigation District. Published storage values before 1984 were for storage above the minimum operating level. Add 13,085 acre-feet to values listed in pre-1984 reports before comparing to values in this report.

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	2,613.0	45,037
Top of conservation pool	2,607.0	37,800
Minimum normal operating level	2,576.3	12,100
Top of dead storage pool	2,568.8	8,295

## DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	19950	18530	17090	15800	14880	14120	26920	35560	38150	35460	29270	25920
2	19950	18380	17020	15730	14880	14060	27290	35560	38150	35240	29080	25830
3	19800	18310	16950	15730	14880	14560	27660	35900	37920	35130	28790	25740
4	19720	18310	16880	15660	14820	15330	27940	35900	37800	35020	28790	25740
5	19720	18230	16880	15600	14820	15800	28320	36010	37690	35020	28790	25560
6	19640	18230	16820	15600	14820	16330	28320	36340	37690	35020	28700	25560
7	19640	18230	16820	15600	14820	16820	28700	36340	37460	35020	28700	25470
8	19490	18020	16750	15530	14820	17370	29080	36450	37350	34810	28700	25470
9	19490	18020	16680	15530	14820	17660	29370	36560	37240	34700	28790	25390
10	19420	17940	16680	15530	14750	18230	29760	36780	37240	34590	28790	25210
11	19420	17940	16610	15460	14750	18600	29760	36900	37010	34700	28700	25210
12	19340	17940	16540	15400	14750	19040	30150	37240	36900	34590	28700	25120
13	19340	17940	16540	15330	14750	19570	30550	37350	36780	34590	28510	25120
14	19190	17800	16540	15330	14750	20020	30950	37460	36780	34370	28410	25120
15	19190	17730	16470	15270	14750	20570	31150	37350	36560	34270	28410	24940
16	19120	17730	16400	15270	14750	20570	31450	37350	36560	34160	28320	24860
17	19040	17660	16330	15270	14750	20880	31760	37570	36450	34050	28320	24770
18	19040	17660	16330	15140	14690	21840	32170	37690	36340	33840	28030	24770
19	19040	17660	16270	15140	14620	22160	32370	37920	36340	33520	27940	24770
20	18890	17660	16270	15070	14620	22570	32580	38150	36450	33210	27750	24600
21	18820	17520	16200	15070	14620	23060	33000	38150	36340	33000	27560	24510
22	18820	17450	16200	15070	14560	23400	33210	38150	36230	32580	27380	24510
23	18750	17370	16130	15010	14560	23820	33520	38150	36120	32170	27190	24420
24	18750	17370	16060	15010	14430	24170	33840	38260	36010	31760	26830	24420
25	18750	17370	16060	15010	14370	24600	34160	38260	35900	31450	26460	24250
26	18600	17370	16000	15010	14310	24940	34370	38260	35900	31050	26190	24250
27	18600	17230	16000	15010	14240	25390	34590	38260	35900	30750	26100	24170
28	18600	17160	15930	15010	14180	25470	34910	38260	35680	30550	26010	24080
29	18600	17160	15860	15010	---	25830	35130	38260	35560	30150	25920	24080
30	18530	17090	15860	14940	---	26190	35460	38260	35460	29760	25920	24170
31	18530	---	15860	14940	---	26550	---	38260	---	29470	25920	---
MEAN	19150	17770	16420	15290	14670	20630	31280	37320	36730	33350	27840	24930
MAX	19950	18530	17090	15800	14880	26550	35460	38260	38150	35460	29270	25920
MIN	18530	17090	15860	14940	14180	14060	26920	35560	35460	29470	25920	24080
CAL	YEAR	2010	TOTAL	8340850	MEAN	22850	MAX	38150	MIN	8250	AC-FT	16540000
WTR	YEAR	2011	TOTAL	9002490	MEAN	24660	MAX	38260	MIN	14060	AC-FT	17860000

# PLATTE RIVER BASIN

## JOHNSON RESERVOIR from Platte River, 00403800

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	2,620.0	46,935
Minimum operating level	2,590.9	0

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	36140	40530	37710	37470	38650	36800	41700	39590	42690	42440	41470	42690
2	35260	40760	37470	36800	36580	38180	41470	41230	41940	41940	41230	42190
3	34600	41000	37240	37470	36140	38410	41000	41940	41940	41000	41700	41940
4	34600	40530	37710	37240	35700	38410	41000	41470	41940	40760	42440	41470
5	33940	40530	37710	38180	36580	38410	41230	40530	41940	40530	42690	40530
6	33500	40760	37020	37240	37240	37470	41230	40760	41700	41470	42690	40760
7	33060	40760	37710	37470	38180	37470	41230	40760	41230	42190	42940	40060
8	32630	41230	39120	37940	38410	37710	41700	41000	41230	42190	44190	39820
9	32430	41700	38880	37940	38880	37470	41230	40530	41000	42190	43440	38880
10	32020	41000	39120	38650	37710	36800	41230	39820	41470	42940	43690	38880
11	31810	41000	39120	38650	38180	37020	41700	39820	41940	42690	42440	38180
12	31200	41940	40760	38650	38410	36140	41000	40060	41700	42440	42440	38880
13	30790	41700	40290	38650	38880	35920	41230	40530	41700	42690	41940	38880
14	30390	41940	40060	38880	38650	37710	42190	41000	41700	41940	41230	38180
15	29790	41700	38180	39350	39120	38410	41940	41700	41230	41940	41940	37710
16	29190	41230	37710	39820	39350	41000	41940	41000	40290	41700	41000	37940
17	28600	40760	37710	40060	39120	41940	42690	41470	41700	41230	40530	37470
18	28410	40530	38180	40060	38650	41940	42190	41940	41940	41000	41230	37710
19	28790	39820	38410	39120	38650	41230	41940	41700	42190	41000	41700	37240
20	28410	39350	38180	39350	38880	41470	41700	42440	43440	41470	41700	36800
21	28990	38880	38880	39820	38410	41470	41230	42690	43190	40760	41470	36580
22	28600	38650	38880	39820	38650	40760	41230	41700	42940	41470	41700	36360
23	28220	38180	39120	39590	37940	40760	41000	41470	43690	41940	41470	36140
24	28030	38410	38880	38880	38650	41230	40290	41700	43190	42690	41700	35920
25	28410	37710	38650	39120	37470	41230	40060	42690	42440	43190	41000	35700
26	32430	37470	39590	39120	37710	41230	39820	43190	41700	42940	41000	37020
27	35700	37710	39120	39120	37240	41000	39350	42940	41470	42440	41470	38410
28	38650	37710	39120	38410	37470	41230	38650	42940	41940	41700	41230	40290
29	39820	38180	38650	38410	---	41700	38650	42690	42690	41700	41230	42190
30	40290	37710	38880	38880	---	41940	38880	43190	42690	41940	41700	43190
31	40530	---	38410	39120	---	41470	---	42690	---	41700	42190	---
MEAN	32420	39980	38590	38680	38050	39480	41020	41520	42030	41870	41890	38930
MAX	40530	41940	40760	40060	39350	41940	42690	43190	43690	43190	44190	43190
MIN	28030	37470	37020	36800	35700	35920	38650	39590	40290	40530	40530	35700
CAL	YEAR	2010	TOTAL	14377130	MEAN	39390	MAX	44190	MIN	28030	AC-FT	28520000
WTR	YEAR	2011	TOTAL	14433540	MEAN	39540	MAX	44190	MIN	28030	AC-FT	28630000

# PLATTE RIVER BASIN

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

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

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

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

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107	232	505	655	269
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132	223	519	681	153
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	140	259	363	724	212
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	102	283	345	586	241
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	226	323	370	219
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56	257	296	298	199
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108	276	234	305	231
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	109	240	221	240	94
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	143	312	269	210	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	182	288	308	236	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108	291	196	254	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86	293	307	229	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98	309	301	239	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	110	295	291	271	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	109	290	364	289	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	164	299	407	410	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	146	374	400	519	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	28	108	314	483	577	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	49	106	256	561	617	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	50	134	269	723	622	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	49	168	266	746	589	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	49	175	273	730	564	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	49	176	270	719	696	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	52	131	270	710	731	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	84	59	271	674	672	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	91	103	279	712	597	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	91	134	284	786	497	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	91	114	338	714	495	115
29	0.00	0.00	0.00	0.00	---	0.00	91	134	374	705	475	140
30	0.00	0.00	0.00	0.00	---	0.00	92	194	420	640	227	88
31	0.00	---	0.00	0.00	---	0.00	---	234	---	607	225	---
TOTAL	0	0	0	0	0	0	866	3870	8631	15159	14100	1961
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	28.9	124.8	287.7	489.0	454.8	65.4
MAX	0.00	0.00	0.00	0.00	0.00	0.00	92	234	420	786	731	269
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	223	196	210	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	1718	7676	17120	30070	27970	3890
CAL	YEAR	2010	TOTAL	39183	MEAN	107.4	MAX	641.0	MIN	0.000	AC-FT	77720
WTR	YEAR	2011	TOTAL	44587	MEAN	122.2	MAX	786.0	MIN	0.000	AC-FT	88440

# PLATTE RIVER BASIN

## JOHNSON POWER RETURN to Platte River, 00144000

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

GAGE.--Continuous stage recorder and concrete flume

PERIOD OF RECORD.--1941 - present

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1910	1710	---	---	---	---	---	---	---	---	---	---
2	1900	1700	---	---	---	---	---	---	---	---	618	---
3	1900	1710	---	---	---	---	---	---	---	---	---	---
4	1910	1710	---	---	---	---	---	---	---	---	---	---
5	1890	1720	---	---	---	---	---	---	---	---	---	---
6	1920	1710	---	---	---	---	---	---	---	---	---	---
7	1950	1790	---	---	---	---	---	---	---	---	---	---
8	1960	1710	---	---	---	---	---	---	---	---	---	---
9	1960	1700	---	---	---	---	---	---	---	---	---	---
10	1960	1680	---	---	---	---	---	---	---	---	---	---
11	1960	---	---	---	---	---	---	---	---	---	---	---
12	1960	---	---	---	---	---	---	---	---	---	---	---
13	1960	---	---	---	---	---	---	---	---	---	---	---
14	1960	---	---	---	---	---	---	---	---	---	---	---
15	1950	---	---	---	---	---	---	---	---	---	---	---
16	1920	---	---	---	---	---	---	---	---	---	---	---
17	1920	---	---	---	---	---	---	---	---	---	---	---
18	1900	---	---	---	---	---	---	---	---	---	---	---
19	1720	---	---	---	---	---	---	---	---	---	---	---
20	1730	---	---	---	---	---	---	---	---	---	---	---
21	1730	---	---	---	---	---	---	---	---	---	---	---
22	1840	---	---	---	---	---	---	---	---	---	---	---
23	1920	---	---	---	---	---	---	---	---	---	---	---
24	1940	---	---	---	---	---	---	---	---	---	---	---
25	1930	---	---	---	---	---	---	---	---	---	---	---
26	146	---	---	---	---	---	---	---	---	---	---	---
27	0.00	---	---	---	---	---	---	---	---	---	---	---
28	310	---	---	---	---	---	---	---	---	---	---	---
29	941	---	---	---	---	---	---	---	---	---	---	---
30	1480	---	---	---	---	---	---	---	---	---	---	---
31	1680	---	---	---	---	---	---	---	---	---	---	---
TOTAL	52157	17140	0	0	0	0	0	0	0	0	618	0
MEAN	1682	1714	---	---	---	---	---	---	---	---	618.0	---
MAX	1960	1790	---	---	---	---	---	---	---	---	618	---
MIN	0.00	1680	---	---	---	---	---	---	---	---	618	---
AC-FT	103500	34000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1226	0.00
CAL	YEAR	2010	TOTAL	367823	MEAN	1171	MAX	1970	MIN	0.000	AC-FT	729600
WTR	YEAR	2011	TOTAL	69915	MEAN	1665	MAX	1960	MIN	0.000	AC-FT	138700

# PLATTE RIVER BASIN

## PLATTE RIVER near Maxwell, 00228500

LOCATION.--SE1/4SE1/4 Sec. 28-13-28 W. at Maxwell, Lincoln County, Lat. 41° 03' 42", Long. 100° 31' 30", on right bank 20 feet upstream of the Nebraska Highway S56A bridge over the Platte River, and 1 mile south of Maxwell.

DRAINAGE AREA.--Not determined.

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

PERIOD OF RECORD.--2000 - present

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

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 8,250 cubic feet per second June 22, 2011, gage height 9.14 feet; minimum daily discharge 2.7 cubic feet per second June 30, 2006.

EXTREMES FOR CURRENT YEAR.--Peak discharge 8,250 cubic feet per second June 22, gage height 9.14 feet, minimum daily discharge 45 cubic feet per second estimated January 13, 15-19, 23-29.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	134	185	137	450e	75e	435	1760	1470	5370	5950	3810	3160
2	177	183	88	350e	300e	500	1740	1550	5530	5690	3640	3150
3	209	141	66	350e	350e	413	1700	1550	5830	5350	3400	3130
4	261	101	64	200e	450e	431	1720	1560	5700	4800	3380	2930
5	266	92	62	220e	400e	727	1700	1570	5510	4510	3490	2520
6	260	93	60	220e	350	1250	1650	1600	5420	4340	3460	2410
7	233	72	61	250e	250	1370	1650	1590	5610	4270	3420	2380
8	203	65	58	250e	200	1590	1660	1630	5230	3920	3430	2340
9	294	64	59	350e	300	1510	1690	1790	5150	3720	3380	2330
10	255	64	57	400e	250	1510	1660	1860	5020	3660	3490	2390
11	186	65	55	200e	200	1640	1700	1870	5030	3490	3710	2440
12	165	87	200	47e	150	1690	1740	2210	5100	3530	3590	2390
13	131	114	750	45e	140e	1740	1710	2600	5180	3560	3420	2320
14	100	111	732	100e	140e	1790	1720	2360	5360	3770	3430	2510
15	81	100	302	45e	149	1810	1940	2190	5500	4080	3500	2650
16	71	94	136	45e	125	1790	1970	2110	5800	4580	3430	2810
17	77	131	106	45e	265	1740	1990	2060	6750	5230	3370	2940
18	114	171	90	45e	539	1710	2020	2120	6740	5290	3270	2890
19	95	145	81	45e	450	1750	2050	2270	6510	5390	3290	2860
20	98	162	78	80e	420	1790	2040	2650	6170	5720	3380	2820
21	100	163	77	400e	434	1770	1980	3260	7150	6120	3490	2960
22	97	199	100	250e	468	1790	2030	3420	7900	6620	3480	3000
23	140	194	165	45e	502	1740	1960	3590	7040	7090	3320	3060
24	193	197	263	45e	460	1710	1860	4060	6460	6200	3130	3070
25	209	142	175	45e	415	1700	1780	4900	6350	5030	3060	3060
26	237	101	215	45e	634	1730	1730	5070	6440	4530	3040	3000
27	229	80	209	45e	644	1750	1680	5170	6800	4580	3090	2890
28	178	90	183	45e	431	1790	1630	5270	6700	4620	3100	2890
29	172	117	167	45e	---	1790	1580	5460	6410	4510	3100	2750
30	187	121	167	50e	---	1810	1490	5650	6110	4240	3170	2520
31	192	---	180e	50e	---	1770	---	5360	---	4080	3220	---
TOTAL	5344	3644	5143	4802	9491	46536	53530	89820	179870	148470	104490	82570
MEAN	172.4	121.4	165.9	154.9	338.9	1501	1785	2898	5995	4789	3371	2752
MAX	294	199	750	450	644	1810	2050	5650	7900	7090	3810	3160
MIN	71	64	55	45	75	413	1490	1470	5020	3490	3040	2320
AC-FT	10600	7228	10200	9525	18830	92300	106200	178200	356800	294500	207300	163800
CAL	YEAR	2010	TOTAL	204522	MEAN	560.3	MAX	7700	MIN	55.0	AC-FT	405700
WTR	YEAR	2011	TOTAL	733710	MEAN	2010	MAX	7900	MIN	45.0	AC-FT	1455000

e indicates estimated discharge.



# PLATTE RIVER BASIN

## PLATTE RIVER at Brady, 06766000

LOCATION.--North Channel gage (No. 1): SW1/4SW1/4 Sec. 11-12-27 W., Lat. 41° 01' 10", Long. 100° 22' 16", on left bank 620 feet downstream from bridge, and 0.5 mile south of Brady;

South Channel gage (No. 4): SW1/4SW1/4 Sec. 23-12-27 W., Lat. 40° 59' 24", Long. 100° 22' 34", on left bank 15 feet downstream from bridge, and 2.5 miles south of Brady.

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

GAGE.--Continuous stage recorders on North Channel (No. 1) and South Channel (No. 4). Channel No. 1 gage datum is 2,638.19 feet above sea level and Channel No. 4 gage datum is 2,640.66 feet above sea level.

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

REMARKS.--Published by the USGS up to Oct. 1, 1991. Records are good, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 7,652 cubic feet per second July 23, combined channel flow; minimum daily discharge 137 cubic feet per second November 10 and 11, combined channel flow.

## DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	262	177	150	410e	184e	538	1930	1510	5780	5790	4170	3430
2	265	174	153	333e	270e	583	1880	1610	5860	5690	3930	3430
3	273	167	153	198e	305e	549	1840	1640	6180	5450	3660	3410
4	316	155	149	188e	380e	520	1790	1660	6270	4980	3620	3280
5	329	150	143	210e	565e	672	1710	1690	6120	4640	3870	2860e
6	326	148	139	200e	521e	1290	1650	1730	5980	4580	3820	2790e
7	320	145	141	202e	317e	1560	1630	1740	6130	4490	3820	2760e
8	272	141	139	194e	212e	1630	1640	1780	6010	4140	3850	2730e
9	327	139	141	196e	369e	1630	1630	1910	5760	3970	3800	2700e
10	326	137	141	195e	350e	1670	1600	2020	5640	3880	3860	2700
11	275	137	138	190e	274e	1780	1620	2090	5600	3820	3990	2690
12	244	142	140	185e	254	1840	1640	2400	5520	3820	3990	2670
13	216	144	393	189e	262	1890	1640	2870	5360	3830	3780	2640
14	197	144	501	187e	286	1920	1640	2760	5340	3960	3670	2730
15	189	142	315	232e	281	1860	1900	2550	5350	4190	3630	2850
16	180	140	183	196e	286	1870	1920	2440	5450	4570	3510	3020
17	173	151	168	199e	300	1860	1930	2340	6230	5160	3410	3160
18	169	160	159	199e	510	1870	1950	2420	6290	5360	3330	3100
19	172	159	157	202e	527	1860	1970	2520	6000	5510	3290	3080
20	166	154	155	265e	491	1900	1940	2790	5770	5830	3380	3070
21	164	158	154	519e	463	1880	1920	3460	6380	6250	3530	3070
22	162	165	152	368e	483	1890	1980	3640	7280	6800	3600	3090
23	172	165	151	316e	549	1860	1910	3740	6740	7410	3500	3150
24	191	174	204	265e	516	1800	1820	4200	6250	6940	3400	3170
25	206	151	175	240e	470	1800	1710	5310	6160	5620	3330	3150
26	215	150	169	214e	442	1840	1650	5530	6210	5200	3350	3080
27	215	151	187	206e	804	1860	1630	5450	6460	5350	3390	3020
28	185	152	199	211e	541	1880	1620	5570	6520	5320	3390	2950
29	176	150	185	220e	---	1900	1580	5700	6230	5140	3380	2810
30	178	146	185	213e	---	1940	1530	5690	5930	4770	3400	2550
31	179	---	260e	209e	---	1940	---	5600	---	4490	3420	---
TOTAL	7040	4568	5779	7351	11212	49882	52800	96360	180800	156950	112070	89140
MEAN	227.2	152.2	186.4	237.1	400.4	1608	1761	3108	6027	5063	3615	2972
MAX	329	177	501	519	804	1940	1980	5700	7280	7410	4170	3430
MIN	162	137	138	185	184	520	1530	1510	5340	3820	3290	2550
AC-FT	13960	9060	11460	14580	22240	98940	104700	191100	358600	311300	222300	176800
CAL	YEAR	2010	TOTAL	218999	MEAN	600.0	MAX	7190	MIN	90.0	AC-FT	434400
WTR	YEAR	2011	TOTAL	773952	MEAN	2120	MAX	7410	MIN	137.0	AC-FT	1535000

e indicates estimated discharge.

# PLATTE RIVER BASIN

## THIRTY MILE CANAL from Platte River, 00141000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	71	68	118	169	96
2	---	---	---	---	---	---	0.00	71	72	121	168	77
3	---	---	---	---	---	---	0.00	71	76	120	168	78
4	---	---	---	---	---	---	0.00	71	80	134	168	77
5	---	---	---	---	---	---	0.00	71	80	143	140	77
6	---	---	---	---	---	---	0.00	71	81	126	124	77
7	---	---	---	---	---	---	0.00	71	80	108	125	77
8	---	---	---	---	---	---	0.00	71	78	107	127	77
9	---	---	---	---	---	---	0.00	74	86	107	124	77
10	---	---	---	---	---	---	0.00	75	86	119	117	78
11	---	---	---	---	---	0.00	0.00	75	84	120	117	78
12	---	---	---	---	---	0.00	0.00	76	84	108	117	78
13	---	---	---	---	---	0.00	0.00	76	82	90	116	78
14	---	---	---	---	---	0.00	0.00	75	82	92	130	80
15	---	---	---	---	---	0.00	0.00	73	88	102	139	81
16	---	---	---	---	---	0.00	0.00	76	87	102	157	81
17	---	---	---	---	---	0.00	0.00	75	78	116	168	82
18	---	---	---	---	---	0.00	0.00	76	79	147	169	81
19	---	---	---	---	---	0.00	0.00	77	73	151	173	81
20	---	---	---	---	---	0.00	0.00	77	74	152	167	81
21	---	---	---	---	---	0.00	0.00	77	68	161	162	81
22	---	---	---	---	---	0.00	46	77	71	160	168	81
23	---	---	---	---	---	0.00	68	79	79	163	170	81
24	---	---	---	---	---	0.00	68	80	79	163	170	81
25	---	---	---	---	---	0.00	68	66	79	166	170	81
26	---	---	---	---	---	0.00	69	53	81	169	170	81
27	---	---	---	---	---	0.00	70	70	92	167	160	81
28	---	---	---	---	---	0.00	71	71	96	162	146	81
29	---	---	---	---	---	0.00	71	67	103	163	146	80
30	---	---	---	---	---	0.00	70	66	103	163	146	80
31	---	---	---	---	---	0.00	---	65	---	165	146	---
TOTAL	0	0	0	0	0	0	601	2244	2449	4185	4637	2400
MEAN	---	---	---	---	---	0.000	20.0	72.4	81.6	135.0	149.7	80.0
MAX	---	---	---	---	---	0.00	71	80	103	169	173	96
MIN	---	---	---	---	---	0.00	0.00	53	68	90	116	77
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	1192	4451	4858	8301	9197	4760
CAL	YEAR	2010	TOTAL	10759	MEAN	64.4	MAX	182.0	MIN	0.000	AC-FT	21340
WTR	YEAR	2011	TOTAL	16516	MEAN	81.0	MAX	173.0	MIN	0.000	AC-FT	32760

# PLATTE RIVER BASIN

## GOTHENBURG CANAL from Platte River, 00057000

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

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

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

REMARKS.--Published as Gothenburg Canal from Platte River for Power and Irrigation up to 1974.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	82	83	167	309	271
2	---	---	---	---	---	---	0.00	84	85	196	307	256
3	---	---	---	---	---	---	0.00	83	89	202	307	250
4	---	---	---	---	---	---	0.00	83	101	209	307	247
5	---	---	---	---	---	---	0.00	83	101	227	300	216
6	---	---	---	---	---	---	0.00	84	101	151	289	185
7	---	---	---	---	---	---	0.00	84	102	138	278	189
8	---	---	---	---	---	---	0.00	84	101	166	274	187
9	---	---	---	---	---	---	0.00	84	100	182	275	132
10	---	---	---	---	---	---	0.00	85	102	191	280	88
11	---	---	---	---	---	0.00	12	85	103	200	269	87
12	---	---	---	---	---	0.00	95	86	104	200	251	87
13	---	---	---	---	---	0.00	69	86	105	200	247	87
14	---	---	---	---	---	0.00	59	84	105	216	248	87
15	---	---	---	---	---	0.00	58	80	106	228	260	87
16	---	---	---	---	---	0.00	58	83	108	226	275	86
17	---	---	---	---	---	0.00	58	83	110	238	277	87
18	---	---	---	---	---	0.00	68	84	103	261	284	85
19	---	---	---	---	---	0.00	109	83	103	279	280	84
20	---	---	---	---	---	0.00	102	83	110	284	278	83
21	---	---	---	---	---	0.00	90	80	110	297	282	83
22	---	---	---	---	---	0.00	91	79	105	295	283	84
23	---	---	---	---	---	0.00	89	83	97	279	283	87
24	---	---	---	---	---	0.00	89	84	99	301	281	87
25	---	---	---	---	---	0.00	89	84	111	300	284	87
26	---	---	---	---	---	0.00	89	83	112	318	285	88
27	---	---	---	---	---	0.00	90	83	111	312	286	88
28	---	---	---	---	---	0.00	89	82	109	308	284	88
29	---	---	---	---	---	0.00	87	81	145	304	281	88
30	---	---	---	---	---	0.00	84	85	154	307	275	88
31	---	---	---	---	---	0.00	---	85	---	308	274	---
TOTAL	0	0	0	0	0	0	1575	2582	3175	7490	8693	3749
MEAN	---	---	---	---	---	0.000	52.5	83.4	105.8	241.6	280.4	124.9
MAX	---	---	---	---	---	0.00	109	86	154	318	309	271
MIN	---	---	---	---	---	0.00	0.00	79	83	138	247	83
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	3124	5121	6298	14860	17240	7436
CAL	YEAR	2010	TOTAL	23480	MEAN	136.5	MAX	285.0	MIN	0.000	AC-FT	46570
WTR	YEAR	2011	TOTAL	27264	MEAN	133.6	MAX	318.0	MIN	0.000	AC-FT	54080

# PLATTE RIVER BASIN

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

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1983, 1985 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CAL	YEAR	2010	TOTAL	2540	MEAN	9.8	MAX	37.0	MIN	0.000	AC-FT	5038
WTR	YEAR	2011	TOTAL	0	MEAN	0.000	MAX	0.000	MIN	0.000	AC-FT	0.00

PLATTE RIVER BASIN

SIX MILE CANAL from Platte River, 00134000

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

DISCHARGE ( CFS ), WATER YEAR 2011

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

DECOMMISSIONED IN THE 2011 WATER YEAR.

# PLATTE RIVER BASIN

## COZAD CANAL from Platte River, 00033000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	28	20	55	152	110
2	---	---	---	---	---	---	0.00	28	25	54	151	51
3	---	---	---	---	---	---	0.00	27	26	68	147	30
4	---	---	---	---	---	---	0.00	27	30	83	143	30
5	---	---	---	---	---	---	0.00	27	30	90	101	30
6	---	---	---	---	---	---	0.00	27	29	87	68	30
7	---	---	---	---	---	---	0.00	27	31	82	63	30
8	---	---	---	---	---	---	0.00	27	31	87	63	30
9	---	---	---	---	---	---	0.00	28	31	91	62	30
10	---	---	---	---	---	0.00	0.00	27	31	93	62	30
11	---	---	---	---	---	0.00	0.00	27	31	91	62	30
12	---	---	---	---	---	0.00	0.00	27	30	94	73	30
13	---	---	---	---	---	0.00	0.00	24	30	95	122	30
14	---	---	---	---	---	0.00	0.00	19	29	106	136	30
15	---	---	---	---	---	0.00	0.00	17	29	112	115	30
16	---	---	---	---	---	0.00	0.00	17	29	114	122	29
17	---	---	---	---	---	0.00	0.00	20	30	114	138	23
18	---	---	---	---	---	0.00	28	22	33	116	145	20
19	---	---	---	---	---	0.00	49	23	38	120	147	20
20	---	---	---	---	---	0.00	49	25	42	130	147	31
21	---	---	---	---	---	0.00	41	29	43	146	147	37
22	---	---	---	---	---	0.00	29	32	29	152	147	37
23	---	---	---	---	---	0.00	28	29	36	151	147	37
24	---	---	---	---	---	0.00	28	21	43	146	147	37
25	---	---	---	---	---	0.00	28	19	42	147	141	37
26	---	---	---	---	---	0.00	28	18	41	157	132	37
27	---	---	---	---	---	0.00	28	17	43	148	123	29
28	---	---	---	---	---	0.00	28	16	46	152	123	22
29	---	---	---	---	---	0.00	28	14	48	156	128	23
30	---	---	---	---	---	0.00	28	13	47	153	131	23
31	---	---	---	---	---	0.00	---	13	---	152	126	---
TOTAL	0	0	0	0	0	0	420	715	1023	3542	3711	993
MEAN	---	---	---	---	---	0.000	13.9	23.0	34.1	114.3	119.7	33.2
MAX	---	---	---	---	---	0.00	49	32	48	157	152	110
MIN	---	---	---	---	---	0.00	0.00	13	20	54	62	20
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	833	1418	2029	7025	7361	1970
CAL	YEAR	2010	TOTAL	7560	MEAN	45.3	MAX	139.0	MIN	0.000	AC-FT	15000
WTR	YEAR	2011	TOTAL	10404	MEAN	50.8	MAX	157.0	MIN	0.000	AC-FT	20640

# PLATTE RIVER BASIN

## ORCHARD ALFALFA CANAL from Platte River, 00117000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	12	20	20	41	38
2	---	---	---	---	---	---	0.00	20	20	19	45	38
3	---	---	---	---	---	---	0.00	21	20	21	43	38
4	---	---	---	---	---	---	0.00	21	19	23	41	39
5	---	---	---	---	---	---	0.00	21	19	28	27	30
6	---	---	---	---	---	---	0.00	21	25	27	23	24
7	---	---	---	---	---	---	0.00	21	24	22	26	26
8	---	---	---	---	---	---	0.00	21	21	22	28	26
9	---	---	---	---	---	---	0.00	23	19	24	28	26
10	---	---	---	---	---	0.00	0.00	23	19	24	28	26
11	---	---	---	---	---	0.00	0.00	18	18	23	28	26
12	---	---	---	---	---	0.00	0.00	6.5	19	21	29	26
13	---	---	---	---	---	0.00	0.00	12	19	21	29	26
14	---	---	---	---	---	0.00	0.00	18	19	21	28	26
15	---	---	---	---	---	0.00	0.00	17	19	22	30	26
16	---	---	---	---	---	0.00	0.00	18	19	23	28	26
17	---	---	---	---	---	0.00	0.00	17	18	25	30	27
18	---	---	---	---	---	0.00	1.6	17	19	27	33	26
19	---	---	---	---	---	0.00	6.6	18	27	29	32	24
20	---	---	---	---	---	0.00	6.3	19	25	31	35	26
21	---	---	---	---	---	0.00	6.2	19	26	35	38	28
22	---	---	---	---	---	0.00	8.2	19	28	39	39	28
23	---	---	---	---	---	0.00	6.9	16	27	39	38	28
24	---	---	---	---	---	0.00	5.0	13	25	39	38	28
25	---	---	---	---	---	0.00	7.8	13	24	39	37	28
26	---	---	---	---	---	0.00	9.0	13	23	41	37	28
27	---	---	---	---	---	0.00	6.5	14	22	40	37	28
28	---	---	---	---	---	0.00	5.4	17	22	36	38	28
29	---	---	---	---	---	0.00	2.0	16	22	36	38	27
30	---	---	---	---	---	0.00	0.99	15	21	36	38	25
31	---	---	---	---	---	0.00	---	15	---	40	38	---
TOTAL	0	0	0	0	0	0	72.49	534.5	648	893	1048	846
MEAN	---	---	---	---	---	0.000	2.4	17.2	21.5	28.8	33.8	28.0
MAX	---	---	---	---	---	0.00	9.0	23	28	41	45	39
MIN	---	---	---	---	---	0.00	0.00	6.5	18	19	23	24
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	144	1060	1285	1771	2079	1678
CAL	YEAR	2010	TOTAL	2864	MEAN	17.3	MAX	52.0	MIN	0.000	AC-FT	5680
WTR	YEAR	2011	TOTAL	4042	MEAN	19.7	MAX	45.0	MIN	0.000	AC-FT	8017

# PLATTE RIVER BASIN

## DAWSON COUNTY CANAL from Platte River, 00037000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	0.00	23	118	210	350	320
2	---	---	---	---	---	---	0.00	23	117	208	350	312
3	---	---	---	---	---	---	0.00	23	112	205	349	304
4	---	---	---	---	---	---	0.00	23	111	192	349	303
5	---	---	---	---	---	---	0.00	23	109	216	287	283
6	---	---	---	---	---	---	0.00	23	127	125	211	254
7	---	---	---	---	---	---	0.00	24	137	134	209	233
8	---	---	---	---	---	---	0.00	47	135	120	234	189
9	---	---	---	---	---	---	0.00	60	140	117	253	104
10	---	---	---	---	---	0.00	0.00	64	136	154	251	74
11	---	---	---	---	---	0.00	0.00	65	131	155	251	73
12	---	---	---	---	---	0.00	0.00	71	131	156	268	72
13	---	---	---	---	---	0.00	0.00	77	139	157	284	72
14	---	---	---	---	---	0.00	0.00	78	151	156	286	70
15	---	---	---	---	---	0.00	0.00	76	149	156	289	71
16	---	---	---	---	---	0.00	0.00	71	150	155	315	61
17	---	---	---	---	---	0.00	0.00	70	152	174	336	61
18	---	---	---	---	---	0.00	30	70	158	190	336	58
19	---	---	---	---	---	0.00	62	66	155	239	336	56
20	---	---	---	---	---	0.00	64	63	154	288	339	55
21	---	---	---	---	---	0.00	46	63	146	318	340	54
22	---	---	---	---	---	0.00	35	75	157	344	343	53
23	---	---	---	---	---	0.00	34	86	160	353	359	52
24	---	---	---	---	---	0.00	34	108	148	351	367	52
25	---	---	---	---	---	0.00	23	112	143	357	372	52
26	---	---	---	---	---	0.00	23	103	137	363	376	51
27	---	---	---	---	---	0.00	27	92	135	363	376	50
28	---	---	---	---	---	0.00	26	85	136	364	375	49
29	---	---	---	---	---	0.00	25	101	140	357	355	48
30	---	---	---	---	---	0.00	24	128	191	352	334	44
31	---	---	---	---	---	0.00	---	124	---	350	333	---
TOTAL	0	0	0	0	0	0	453	2117	4205	7379	9813	3530
MEAN	---	---	---	---	---	0.000	15.1	68.3	140.1	238.0	316.5	117.7
MAX	---	---	---	---	---	0.00	64	128	191	364	376	320
MIN	---	---	---	---	---	0.00	0.00	23	109	117	209	44
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	899	4199	8340	14640	19460	7002
CAL	YEAR	2010	TOTAL	21105	MEAN	122.7	MAX	366.0	MIN	0.000	AC-FT	41860
WTR	YEAR	2011	TOTAL	27497	MEAN	134.1	MAX	376.0	MIN	0.000	AC-FT	54540



# PLATTE RIVER BASIN

## PLATTE RIVER near Cozad, 06766500

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

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

GAGE.--Continuous stage recorders on north and south channel gages. North Channel gage datum is 2,475.72 feet above sea level and South Channel gage datum is 2,473.07 feet above sea level.

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

REMARKS.--Published by the USGS up to Oct. 1, 1991. Records are good, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge estimated 7,470 cubic feet per second June 23, combined channel flow; minimum daily discharge 191 cubic feet per second December 12, combined channel flow.

## DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	349	320	242	455e	200e	719	2450	1350	5660	5530	3280e	2640
2	344	318	257	445e	270e	716	2400	1350	5740	5350	3130e	2810
3	319	321	246	373	470	742	2330	1380	5820	5220	3030e	2870
4	344	302	227	325	534	640	2260	1380	5990	4810	2950e	2830
5	371	275	218	314	532	635	2120	1400	6010	4250	3300e	2510
6	380	264	214	307	697	852	2080	1430	5910	4520	3160e	2160
7	379	258	212	343	669	1250	1920	1450	5800	4460	3130e	2080
8	364	250	209	371	513e	1480e	1940	1420	5840	4140	3220e	2100
9	353	241	210	402e	385e	1610e	1910	1460	5780	3860	3110	2160
10	434	233	214	362e	559	1680e	1870	1590	5710	3590	3200	2270
11	409	228	207	277e	562	1850	1820	1670	5690	3790	3260	2310
12	370	242	191	256	493	2060	1750	1950	5700	3510	3390	2330
13	344	248	225	272	478	2310	1820	2430	5700	3600	3200	2350
14	323	259	513	280	498	2600	1840	2650	4880e	3610	2940	2450
15	301	262	574	323	530	2690	2280	2610	4890e	3820	2920	2640
16	275	256	404	380	518	2670	2460	2390	5850e	4070	2790	2890
17	257	266	292	443	472	2570	2460	2300	6010	4440	2540	2990
18	254	274	262	475	540	2470	2350	2380	6550	4900	2430	3060
19	269	291	248	454e	771	2480	2170	2490	6830	4880	2300	2990
20	276	283	240	362e	770	2470	2110	2670	6820	4960	2340	2960
21	264	289	234	449	728	2390	2250	3010	6380	5210	2430	2930
22	264	293	230	679	767	2420	2290	3480	6870	5450	2510	2950
23	303	296	232	572	829	2430	2150	3570	7370	5840	2440	2950
24	304	298	264	457	836	2320	2010	3940	6790	6290	2300e	2990
25	329	292	315	411	753	2350	1810	4900	6480	5670	2200e	3010
26	346	266	297	362	676	2400	1630	5410	6290	4560	2180e	3010
27	357	248	315e	347	768	2430	1540	5100	6260	4240	2240e	2970
28	349	239	318	370	821	2520e	1510	5120	6320	4090	2300e	2950
29	324	240	333	398	---	2620e	1470	5260	6200	4020	2400e	2850
30	315	240	333	427	---	2670	1410	5290	5860	3780	2590	2690
31	318	---	402	329e	---	2470	---	5530	---	3510	2580	---
TOTAL	10188	8092	8678	12020	16639	61514	60410	88360	182000	139970	85790	80700
MEAN	328.7	269.7	280.0	387.7	594.2	1984	2013	2851	6067	4515	2767	2690
MAX	434	321	574	679	836	2690	2460	5530	7370	6290	3390	3060
MIN	254	228	191	256	200	635	1410	1350	4880	3510	2180	2080
AC-FT	20210	16050	17210	23840	33000	122000	119800	175300	361000	277600	170200	160100
CAL	YEAR	2010	TOTAL	217331	MEAN	595.4	MAX	7200	MIN	24.0	AC-FT	431100
WTR	YEAR	2011	TOTAL	754361	MEAN	2067	MAX	7370	MIN	191.0	AC-FT	1496000

e indicates estimated discharge.

# PLATTE RIVER BASIN

## PLUM CREEK near Smithfield, 06767500

LOCATION.--SE1/4SW1/4 Sec. 21-8-21 W. near Smithfield, Gosper County, Lat. 40°38'30", Long. 99°42'37", on the left bank 15 feet downstream from the county road bridge 4.8 miles north and 1.4 miles east of Smithfield.

DRAINAGE AREA.--224 square miles.

GAGE.--Continuous stage recorder. Elevation of gage approximately 2,400 feet from topographic map.

PERIOD OF RECORD.--USGS continuous record June 1946 - September 1953, October 1968 - September 1975, USGS annual peak 1954 - 1968, at a site 1.5 miles downstream. Continuous Department of Water Resources record at the present site 1980 - 1991 and USGS April 1996 - September 2002, Department of Natural Resources 2003 to present.

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

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 2,800 cubic feet per second June 23, 1947, gage height 23.41 feet, at the datum and site then in use; minimum daily discharge zero on July 13, 1946.

EXTREMES FOR CURRENT YEAR.--Peak discharge 98 cubic feet per second June 20, gage height 6.87 feet; minimum daily discharge 7.0 cubic feet per second estimated January 20.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.9	11	13e	9.1e	10e	17e	15	14	16	13	11	11
2	8.9	11	13e	9.0e	13e	14e	15	13	17	12	10	10.0
3	8.9	11	12e	9.2e	16e	15e	15	13	24	13	10	9.5
4	8.9	11	12e	10e	12e	15e	14	14	16	13	14	9.6
5	9.2	11	12e	10e	12e	15e	14	14	15	13	15	9.3
6	9.1	11	13e	10e	14e	14e	14	14	14	13	14	9.2
7	9.1	11	13e	10e	14e	14e	14	14	14	15	12	9.1
8	9.2	11	13e	9.9e	12e	13e	14	14	13	15	12	9.0
9	9.5	11	12e	8.9e	9.9e	14e	14	14	13	13	14	9.0
10	9.9	11	12e	8.6e	13e	15	14	14	13	13	12	9.0
11	10	11	12e	8.0e	14	16	13	13	13	13	12	9.0
12	11	11	11e	8.7e	14	17	13	14	13	12	12	9.9
13	11	12	13e	10e	14	16	13	16	13	12	11	9.1
14	11	12	12e	9.9e	13e	16	14	16	13	13	11	8.7
15	11	12	12e	9.5e	15	16	19	14	13	13	12	8.9
16	11	12	12e	9.6e	15	17	25	14	13	13	12	9.3
17	11	12	12e	9.3e	15	17	18	14	14	13	11	9.8
18	11	12	12e	8.9e	15	17	16	14	13	12	12	9.8
19	11	12	12e	8.8e	14	16	15	17	13	12	12	9.6
20	11	12	12e	7.0e	13e	16	15	17	56	12	12	9.5
21	11	12	12e	7.6e	13e	16	15	17	59	11	12	9.3
22	11	12	11e	7.8e	15e	16	15	15	21	12	11	9.3
23	12	12	12e	7.9e	16e	16	17	15	18	12	11	9.2
24	13	12	12e	9.1e	14e	15	15	17	15	12	11	9.3
25	12	11	11e	9.1e	14e	14	15	51	15	11	10	9.3
26	12	11	8.7e	9.2e	15e	15	15	71	16	11	10	9.3
27	12	12e	8.1e	9.5e	17e	15	15	67	15	11	11	9.3
28	11	12e	11e	10e	19e	15	14	40	14	11	10	9.4
29	11	11e	11e	11e	---	15	14	23	13	11	10	9.4
30	11	11e	11e	12e	---	15	14	19	13	11	11	9.4
31	12	---	8.9e	10e	---	15	---	18	---	11	12	---
TOTAL	328.6	344	361.7	287.6	390.9	477	453	640	528	382	360	281.5
MEAN	10.6	11.5	11.7	9.3	14.1	15.3	15.1	20.6	17.7	12.4	11.6	9.4
MAX	13	12	13	12	19	17	25	71	59	15	15	11
MIN	8.9	11	8.1	7.0	9.9	13	13	13	13	11	10	8.7
AC-FT	652	682	717	570	775	946	899	1269	1047	758	714	558
CAL	YEAR	2010	TOTAL	5313	MEAN	14.6	MAX	243.0	MIN	6.0	AC-FT	10540
WTR	YEAR	2011	TOTAL	4834	MEAN	13.2	MAX	71.0	MIN	7.0	AC-FT	9589

e indicates estimated discharge.

# PLATTE RIVER BASIN

## KEARNEY CANAL from Platte River, 00073000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	309	305	---	---	---	---	0.00	44	303	336	342	325
2	313	308	---	---	---	---	0.00	41	298	337	342	315
3	309	309	---	---	---	---	0.00	41	313	336	338	315
4	308	309	---	---	---	---	0.00	41	319	333	344	315
5	308	309	---	---	---	---	0.00	44	320	333	355	315
6	309	308	---	---	---	---	0.00	43	315	334	328	315
7	312	307	---	---	---	---	0.00	40	313	334	304	310
8	310	305	---	---	---	---	0.00	38	315	331	308	310
9	310	303	---	---	---	---	0.00	44	319	331	282	314
10	309	300	---	---	---	---	0.00	46	317	329	265	315
11	310	304	---	---	---	---	0.00	43	319	326	269	316
12	313	314	---	---	---	---	0.00	39	318	326	280	316
13	311	310	---	---	---	---	0.00	36	310	336	281	313
14	309	310	---	---	---	---	0.00	34	316	337	279	313
15	306	309	---	---	---	---	53	39	320	333	288	311
16	302	237	---	---	---	---	102	141	333	338	333	315
17	299	74	---	---	---	---	91	225	335	339	336	318
18	297	0.00	---	---	---	---	88	236	333	343	329	321
19	303	---	---	---	---	---	84	222	306	343	316	319
20	309	---	---	---	---	---	106	234	305	342	315	312
21	311	---	---	---	---	---	116	240	332	345	322	307
22	307	---	---	---	---	0.00	119	275	338	347	334	307
23	314	---	---	---	---	0.00	121	298	345	346	339	309
24	308	---	---	---	---	0.00	120	268	344	341	330	305
25	311	---	---	---	---	0.00	123	241	331	292	327	303
26	306	---	---	---	---	0.00	121	282	330	292	329	311
27	305	---	---	---	---	0.00	127	301	335	345	336	282
28	303	---	---	---	---	0.00	86	307	334	342	338	126
29	303	---	---	---	---	0.00	47	270	335	341	340	65
30	308	---	---	---	---	0.00	46	274	335	344	345	54
31	310	---	---	---	---	0.00	---	296	---	341	347	---
TOTAL	9542	4921	0	0	0	0	1550	4723	9686	10373	9921	8672
MEAN	307.9	273.4	---	---	---	0.000	51.6	152.5	322.9	334.6	320.0	289.1
MAX	314	314	---	---	---	0.00	127	307	345	347	355	325
MIN	297	0.00	---	---	---	0.00	0.00	34	298	292	265	54
AC-FT	18930	9761	0.00	0.00	0.00	0.00	3074	9368	19210	20570	19680	17200
CAL	YEAR	2010	TOTAL	55582	MEAN	253.8	MAX	339.0	MIN	0.000	AC-FT	110200
WTR	YEAR	2011	TOTAL	59388	MEAN	245.4	MAX	355.0	MIN	0.000	AC-FT	117800

# PLATTE RIVER BASIN

## KEARNEY POWER RETURN to Platte River, 00075000

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

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1939 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	294	294	---	---	---	---	---	0.00	307	330	301	295
2	296	301	---	---	---	---	---	0.00	283	329	295	304
3	297	303	---	---	---	---	---	0.00	304	358	297	304
4	296	300	---	---	---	---	---	0.00	316	325	295	303
5	296	304	---	---	---	---	---	0.00	313	305	331	300
6	295	303	---	---	---	---	---	0.00	310	349	318	328
7	298	304	---	---	---	---	---	0.00	303	303	297	304
8	301	302	---	---	---	---	---	0.00	295	357	298	295
9	277	299	---	---	---	---	---	0.00	301	326	284	279
10	314	296	---	---	---	---	---	0.00	298	326	245	297
11	298	294	---	---	---	---	---	0.00	292	336	267	297
12	296	311	---	---	---	---	---	0.00	277	340	240	324
13	297	304	---	---	---	---	---	0.00	295	336	267	299
14	295	304	---	---	---	---	0.00	0.00	272	333	262	296
15	294	305	---	---	---	---	0.00	0.00	287	328	281	280
16	286	262	---	---	---	---	0.00	0.00	296	331	324	292
17	284	147	---	---	---	---	0.00	183	314	332	337	292
18	284	0.00	---	---	---	---	0.00	228	311	328	335	293
19	282	---	---	---	---	---	0.00	228	294	325	322	294
20	294	---	---	---	---	---	0.00	227	308	318	313	295
21	297	---	---	---	---	---	0.00	234	298	315	315	310
22	297	---	---	---	---	---	0.00	248	315	316	300	264
23	306	---	---	---	---	---	0.00	314	322	307	293	285
24	296	---	---	---	---	---	0.00	320	318	325	283	280
25	300	---	---	---	---	---	0.00	370	360	293	271	276
26	300	---	---	---	---	---	0.00	412	324	251	271	298
27	293	---	---	---	---	---	0.00	329	315	303	289	278
28	295	---	---	---	---	---	0.00	349	332	302	299	104
29	302	---	---	---	---	---	0.00	299	330	298	312	22
30	297	---	---	---	---	---	0.00	296	326	306	329	4.8
31	311	---	---	---	---	---	---	302	---	309	323	---
TOTAL	9168	4933	0	0	0	0	0	4339	9216	9940	9194	8092.8
MEAN	295.7	274.0	---	---	---	---	0.000	140.0	307.1	320.7	296.6	269.8
MAX	314	311	---	---	---	---	0.00	412	360	358	337	328
MIN	277	0.00	---	---	---	---	0.00	0.00	272	251	240	4.8
AC-FT	18180	9784	0.00	0.00	0.00	0.00	0.00	8606	18280	19720	18240	16050
CAL	YEAR	2010	TOTAL	50952	MEAN	232.7	MAX	352.0	MIN	0.000	AC-FT	101100
WTR	YEAR	2011	TOTAL	54883	MEAN	250.6	MAX	412.0	MIN	0.000	AC-FT	108900

# PLATTE RIVER BASIN

## PLATTE RIVER near Odessa, 06770000

LOCATION.--SW1/4NW1/4 Sec. 16-8-17 W., Phelps County, Lat. 40°39'53", Long 99°15'20", on right bank 15 feet downstream of county highway bridge, 2.5 miles south of Odessa and 5 miles downstream from Elm Creek.

DRAINAGE AREA.--58,100 square miles; approximately 53,300 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Datum of gage is 2195.07 feet above National Geodetic Vertical Datum of 1929. Before October 7, 1938, non-recording gage and October 7, 1938 to September 30, 1942, water-stage recorder, both at datum 3.00 feet higher. From October 1, 1942 to July 23, 1984, datum 2.00 feet higher.

PERIOD OF RECORD.--Mar. 1937 - present (monthly discharges only for some periods)

REMARKS.--Published by the USGS up to Oct. 1, 1991. Records fair except estimated records, are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 22,900 cubic feet per second June 29, 1983, gage height 7.82 feet, present datum; maximum gage height 7.94 feet June 10, 1995; no flow for periods in each year before 1947 and in 1953-57, 1963.

EXTREMES FOR CURRENT YEAR.--Peak discharge 13,420 cubic feet per second June 25, gage height 7.46 feet; minimum daily discharge 413 cubic feet per second October 28.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2020	1810	2620	2160	2410e	3310	4230	2310	7040	7220	4270	3940
2	1890	1940	2890	1580	1400e	2420	4180	2060	7740	6840	4030	4280
3	1750	2080	2920	1240	1470e	2350	4150	2260	7590	6810	3310	4400
4	1790	2070	2780	1660	1580e	2620	3940	3090	7060	6200	3250	4260
5	1850	2040	2590	1720	1550e	2590	3810	2800	7010	6040	4100	4180
6	1910	2130	2490	1760e	1860e	2740	3710	3260	7180	5990	4840	4130
7	2020	2190	2520	1810e	1030e	2840	3670	3210	6990	6220	4730	3850
8	2160	2160	2340	1870e	1350e	3340	3610	2920	6990	5990	4500	3750
9	2190	2090	2260	1800e	1630e	3690	3560	3310	7260	5350	4720	4050
10	2160	1970	3080	1780e	1550e	3990	3540	3240	6800	5100	4810	4170
11	2340	1870	2890	1370e	1550e	4480	3420	3010	6630	5020	4770	4250
12	2290	1890	1380	1180e	1730e	4660	3400	3530	6990	5110	4760	4330
13	2100	1830	2280	1150e	2110e	4650	3410	3670	7250	4860	4850	4310
14	2110	1820	2590	1450e	2480e	4260	3540	3050	7240	5040	4730	4280
15	2140	1880	2870	1520e	2490e	3780	4210	3110	7030	4890	5160	4140
16	2200	2370	3450	1640e	2750	4150	4040	3860	7170	4850	4700	4390
17	2100	2880	2690	1760e	2820	4450	3930	3570	6960	4990	4330	4530
18	2070	3020	2580	1980e	2690	4850	3620	3340	6640	5320	3850	4660
19	1910	3120	2340	2430e	2790	5090	3630	3500	7530	5350	3080	4740
20	1770	3090	2260	2430e	3060	5750	3380	3600	8120	5120	2690	4770
21	1780	3120	2160	2380e	2690	5130	3470	4030	8970	5040	2920	4730
22	1800	3130	1910	1920e	2770	5020	3670	4250	8500	5340	2960	4730
23	2130	2970	2370	2100e	3000	4860	3750	4730	7930	5540	2830	4730
24	2170	2980	2390	2690e	2970	4500	3730	5300	8380	5970	2570	4770
25	2230	2640	2430	2610e	2820	4520	3680	7050	9920	6430	2540	4780
26	1680	2620	2950	2450e	2850	4410	3610	7050	9400	5820	2420	4760
27	622	2740	2550	2410e	3010	4260	3460	7130	8530	5440	2600	3610
28	413	2880	2970	2500e	3130	4240	3410	7000	7760	4890	2880	4120
29	671	2830	2820	2600e	---	4170	3380	6870	7320	4550	3070	3860
30	1160	2640	2920	2670e	---	4210	3280	6900	7260	4520	3750	3700
31	1690	---	2910	2610e	---	4310	---	6920	---	4440	3970	---
TOTAL	57116	72800	80200	61230	63540	125640	110420	129930	227190	170290	117990	129200
MEAN	1843	2426	2586	1975	2270	4053	3681	4192	7574	5494	3806	4306
MAX	2340	3130	3450	2690	3130	5750	4230	7130	9920	7220	5160	4780
MIN	413	1810	1380	1150	1030	2350	3280	2060	6630	4440	2420	3610
AC-FT	113300	144400	159100	121400	126000	249200	219000	257700	450600	337800	234000	256300
CAL	YEAR	2010	TOTAL	775118	MEAN	2124	MAX	8900	MIN	413.0	AC-FT	1537000
WTR	YEAR	2011	TOTAL	1345546	MEAN	3686	MAX	9920	MIN	413.0	AC-FT	2669000

# PLATTE RIVER BASIN

## WOOD RIVER near Alda, 06772000

LOCATION.--SW1/4NW1/4 Sec. 8,T 10N,R 10 W., Hall County, Lat. 40° 51' 16", Long. 98° 28' 27", on left bank at the Wood River bridge on State Link L40C 0.8 miles south of Alda, 2.6 miles upstream from old north channel of the Platte River, and at mile 27.0 above mouth.

DRAINAGE AREA.--628 square miles.

GAGE.--Continuous stage recorder, datum of gage 1895.92 ft. above sea level, NAVD 88.

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

REMARKS.--Published by the USGS up to Oct. 1, 1994. The gage was moved 0.4 miles downstream on March 25, 2009 to the left downstream bank at the bridge on State highway link L40C. Records are fair, except estimated records are poor. Many small pump diversions for irrigation are above this station.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 288 cubic feet per second May 27, gage height 8.97 feet; minimum daily discharge 0.40 cubic feet per second September 30.

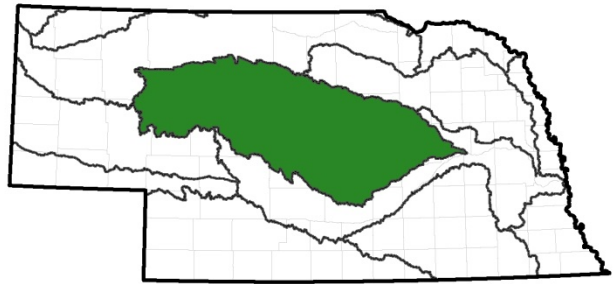
## DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.72	1.2	3.5e	0.95e	0.67e	5.9e	7.0	4.8	20	13	11	8.8
2	0.56	1.5	3.0e	1.4e	0.89e	5.8e	6.7	5.0	17	9.7	11	6.8
3	0.59	1.6	3.5e	1.6e	1.1e	6.0e	6.4	4.8	31	8.7	8.9	5.9
4	0.96	1.1	2.5e	1.5e	1.6e	5.7e	6.1	3.9	26	8.2	9.3	4.6
5	1.1	1.8	2.0e	1.8e	1.8e	5.7e	5.4	4.0	59	9.0	11	3.4
6	1.0	2.1	2.0e	2.3e	1.9e	5.8e	4.8	4.8	30	12	12	2.6
7	0.85	2.7	2.0e	2.6e	1.7e	5.4e	5.6	4.7	15	25	12	2.2
8	0.93	2.9	2.0e	2.3e	1.1e	6.1e	6.3	4.8	11	21	13	1.0
9	1.3	3.3	3.0e	1.4e	1.3e	5.7e	5.7	4.9	8.4	16	8.0	0.74
10	1.3	2.1	3.2e	1.1e	1.5e	5.7e	5.6	4.8	7.5	24	6.9	0.88
11	1.3	1.1	1.8e	0.87e	1.8e	5.5e	5.2	4.1	7.1	26	8.4	1.6
12	0.86	2.4	1.0e	0.85e	2.4e	8.5e	4.5	4.5	6.6	28	9.8	1.4
13	0.66	3.5	3.5e	0.97e	3.6e	8.8	4.2	5.5	6.1	19	11	1.3
14	0.66	4.4	4.0e	1.2e	4.7e	8.2	5.1	6.0	5.1	12	13	1.6
15	0.61	4.5	3.0e	1.8e	5.3e	7.6	11	5.3	4.8	10.0	12	1.3
16	0.67	4.6	2.5e	2.1e	5.3e	8.1	14	4.7	5.5	18	11	1.6
17	1.1	3.1	1.8e	2.4e	5.8e	11	11	5.2	5.7	16	11	1.8
18	1.0	3.5	1.6e	2.5e	6.0e	10	8.3	4.8	6.6	12	8.3	1.6
19	1.2	4.7	2.3e	2.0e	6.3e	9.5	8.5	5.2	6.5	11	8.9	1.5
20	1.1	4.6	1.9e	1.7e	6.3e	9.0	8.2	8.4	6.4	14	11	1.2
21	0.85	5.0	1.6e	1.3e	5.7e	8.8	11	8.7	6.0	16	12	1.1
22	1.8	4.8	1.7e	1.1e	5.9e	7.0	11	8.1	5.8	13	14	0.78
23	2.7	4.2	1.5e	1.4e	5.7e	6.9	9.4	9.2	6.6	13	12	1.3
24	2.7	5.7	1.2e	1.5e	5.6e	7.2	8.4	8.5	5.0	16	12	1.4
25	3.8	4.4	0.97e	1.5e	5.7e	7.5	7.6	30	19	11	14	1.3
26	2.4	5.2	1.3e	1.9e	5.8e	7.4	6.5	98	31	7.8	12	1.1
27	1.0	6.7	2.7e	2.1e	5.8e	7.5	5.8	249	47	11	8.5	0.97
28	0.53	7.2	1.9e	1.9e	5.9e	7.7	6.1	251	19	13	8.8	1.0
29	1.2	5.6	1.6e	2.1e	---	7.0	5.4	91	19	10	9.1	0.75
30	1.6	5.0e	1.4e	1.6e	---	6.5	5.2	41	19	11	15	0.40
31	1.4	---	1.0e	0.70e	---	7.4	---	25	---	9.7	7.7	---
TOTAL	38.45	110.5	66.97	50.44	107.16	224.9	216	919.7	462.7	444.1	332.6	61.92
MEAN	1.2	3.7	2.2	1.6	3.8	7.2	7.2	29.7	15.5	14.4	10.7	2.1
MAX	3.8	7.2	4.0	2.6	6.3	11	14	251	59	28	15	8.8
MIN	0.53	1.1	0.97	0.70	0.67	5.4	4.2	3.9	4.8	7.8	6.9	0.40
AC-FT	76	219	133	100	213	446	428	1824	918	881	660	123
CAL	YEAR	2010	TOTAL	4209	MEAN	11.5	MAX	143.0	MIN	0.000	AC-FT	8348
WTR	YEAR	2011	TOTAL	3035	MEAN	8.3	MAX	251.0	MIN	0.40	AC-FT	6021

e indicates estimated discharge.

# PLATTE RIVER BASIN (LOUP RIVER)

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# PLATTE RIVER BASIN (LOUP RIVER)

## SARGENT CANAL from Middle Loup River, 00130000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	0.00	0.00	82	178	185
2	---	---	---	---	---	---	---	0.00	0.00	85	213	153
3	---	---	---	---	---	---	---	0.00	0.00	88	221	89
4	---	---	---	---	---	---	---	0.00	0.00	87	218	73
5	---	---	---	---	---	---	---	0.00	0.00	87	205	73
6	---	---	---	---	---	---	---	0.00	0.00	95	174	99
7	---	---	---	---	---	---	---	0.00	0.00	103	168	161
8	---	---	---	---	---	---	---	0.00	0.00	104	172	192
9	---	---	---	---	---	---	---	0.00	0.00	109	178	199
10	---	---	---	---	---	---	---	0.00	0.00	109	187	158
11	---	---	---	---	---	---	---	0.00	0.00	123	171	146
12	---	---	---	---	---	---	---	0.00	19	90	91	132
13	---	---	---	---	---	---	---	0.00	90	69	56	120
14	---	---	---	---	---	---	---	0.00	59	71	57	109
15	---	---	---	---	---	---	---	0.00	71	70	73	91
16	---	---	---	---	---	---	---	0.00	75	89	107	75
17	---	---	---	---	---	---	---	0.00	75	93	170	64
18	---	---	---	---	---	---	---	0.00	75	156	197	58
19	---	---	---	---	---	---	---	0.00	76	194	197	58
20	---	---	---	---	---	---	---	0.00	78	219	176	54
21	---	---	---	---	---	---	---	0.00	77	236	171	53
22	---	---	---	---	---	---	---	0.00	72	240	140	53
23	---	---	---	---	---	---	---	0.00	76	216	140	16
24	---	---	---	---	---	---	---	0.00	76	210	142	0.00
25	---	---	---	---	---	---	---	0.00	76	199	149	0.00
26	---	---	---	---	---	---	---	0.00	77	193	134	0.00
27	---	---	---	---	---	---	---	0.00	78	174	116	0.00
28	---	---	---	---	---	---	---	0.00	76	158	112	0.00
29	---	---	---	---	---	---	---	0.00	76	144	163	0.00
30	---	---	---	---	---	---	---	0.00	78	148	197	0.00
31	---	---	---	---	---	---	---	0.00	---	147	207	---
TOTAL	0	0	0	0	0	0	0	0	1380	4188	4880	2411
MEAN	0.000	---	---	---	---	---	---	0.000	46.0	135.0	157.4	80.5
MAX	0.00	---	---	---	---	---	---	0.00	90	240	221	199
MIN	0.00	---	---	---	---	---	---	0.00	0.00	69	56	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2737	8307	9679	4782
CAL	YEAR	2010	TOTAL	10007	MEAN	81.4	MAX	259.0	MIN	0.000	AC-FT	19850
WTR	YEAR	2011	TOTAL	12859	MEAN	83.5	MAX	240.0	MIN	0.000	AC-FT	25510



# PLATTE RIVER BASIN (LOUP RIVER)

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

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	14	18	34	34
2	---	---	---	---	---	---	0.00	0.00	14	22	33	34
3	---	---	---	---	---	---	0.00	0.00	13	23	33	34
4	---	---	---	---	---	---	0.00	0.00	13	24	34	33
5	---	---	---	---	---	---	0.00	0.00	13	25	35	31
6	---	---	---	---	---	---	0.00	0.00	12	27	33	34
7	---	---	---	---	---	---	0.00	0.00	12	28	32	34
8	---	---	---	---	---	---	0.00	0.00	13	27	31	34
9	---	---	---	---	---	---	0.00	0.00	14	28	31	34
10	---	---	---	---	---	---	0.00	0.00	13	30	32	34
11	---	---	---	---	---	---	0.00	12	13	30	34	34
12	---	---	---	---	---	---	0.00	9.9	12	32	32	34
13	---	---	---	---	---	---	0.00	12	12	30	32	35
14	---	---	---	---	---	---	0.00	13	12	28	31	33
15	---	---	---	---	---	---	0.00	13	13	28	32	29
16	---	---	---	---	---	---	0.00	14	13	29	34	26
17	---	---	---	---	---	---	0.00	15	13	31	34	22
18	---	---	---	---	---	---	0.00	15	13	33	33	20
19	---	---	---	---	---	---	0.00	15	13	35	34	10
20	---	---	---	---	---	---	0.00	13	13	38	31	0.00
21	---	---	---	---	---	---	0.00	11	13	39	30	0.00
22	---	---	---	---	---	---	0.00	9.9	13	39	31	0.00
23	---	---	---	---	---	---	0.00	9.5	13	39	32	0.00
24	---	---	---	---	---	---	0.00	9.5	13	38	31	0.00
25	---	---	---	---	---	---	0.00	11	13	37	31	0.00
26	---	---	---	---	---	---	0.00	14	13	38	32	0.00
27	---	---	---	---	---	---	0.00	14	13	36	31	0.00
28	---	---	---	---	---	---	0.00	13	13	36	30	0.00
29	---	---	---	---	---	---	0.00	14	14	37	31	0.00
30	---	---	---	---	---	---	0.00	14	15	35	33	0.00
31	---	---	---	---	---	---	---	14	---	34	34	---
TOTAL	0	0	0	0	0	0	0	265.8	391	974	1001	579
MEAN	0.000	---	---	---	---	---	0.000	8.5	13.1	31.4	32.2	19.3
MAX	0.00	---	---	---	---	---	0.00	15	15	39	35	35
MIN	0.00	---	---	---	---	---	0.00	0.00	12	18	30	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	527	776	1932	1985	1148
CAL	YEAR	2010	TOTAL	2734	MEAN	14.9	MAX	41.0	MIN	0.000	AC-FT	5423
WTR	YEAR	2011	TOTAL	3211	MEAN	17.5	MAX	39.0	MIN	0.000	AC-FT	6369

# PLATTE RIVER BASIN

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## (LOUP RIVER)

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

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

GAGE.--Flow Meter

PERIOD OF RECORD.--1987 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
2	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
3	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
4	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
5	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
6	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
7	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
8	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
9	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
10	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
11	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
12	---	---	---	---	---	---	---	0.00	0.00	0.00	3.8	---
13	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
14	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
15	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
16	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
17	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
18	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
19	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
20	---	---	---	---	---	---	---	0.00	0.00	0.00	4.1	---
21	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
22	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
23	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
24	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
25	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
26	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
27	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
28	---	---	---	---	---	---	---	0.00	0.00	0.00	9.0	---
29	---	---	---	---	---	---	---	0.00	0.00	0.00	3.8	---
30	---	---	---	---	---	---	---	0.00	0.00	4.5	0.00	---
31	---	---	---	---	---	---	---	0.00	---	9.0	0.00	---
TOTAL	0	0	0	0	0	0	0	0	0	13.5	182.7	0
MEAN	---	---	---	---	---	---	---	0.000	0.000	0.44	5.9	---
MAX	---	---	---	---	---	---	---	0.00	0.00	9.0	9.0	---
MIN	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27	362	0.00
CAL	YEAR	2010	TOTAL	108	MEAN	8.3	MAX	9.0	MIN	3.4	AC-FT	214
WTR	YEAR	2011	TOTAL	196	MEAN	1.6	MAX	9.0	MIN	0.000	AC-FT	389

# PLATTE RIVER BASIN (LOUP RIVER)

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

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	25	23	45	44
2	---	---	---	---	---	---	0.00	0.00	25	24	44	41
3	---	---	---	---	---	---	0.00	0.00	24	25	43	36
4	---	---	---	---	---	---	0.00	0.00	24	25	43	34
5	---	---	---	---	---	---	0.00	0.00	24	24	44	33
6	---	---	---	---	---	---	0.00	0.00	23	26	45	36
7	---	---	---	---	---	---	0.00	0.00	23	27	45	36
8	---	---	---	---	---	---	0.00	0.00	22	27	45	38
9	---	---	---	---	---	---	0.00	1.0	22	27	43	43
10	---	---	---	---	---	---	0.00	6.5	22	28	41	42
11	---	---	---	---	---	---	0.00	6.2	22	30	40	42
12	---	---	---	---	---	---	0.00	5.9	22	30	32	42
13	---	---	---	---	---	---	0.00	5.3	21	31	26	40
14	---	---	---	---	---	---	0.00	4.0	19	31	26	36
15	---	---	---	---	---	---	0.00	3.2	17	30	28	32
16	---	---	---	---	---	---	0.00	26	16	30	31	29
17	---	---	---	---	---	---	0.00	23	19	33	34	26
18	---	---	---	---	---	---	0.00	25	21	37	38	25
19	---	---	---	---	---	---	0.00	26	21	43	42	11
20	---	---	---	---	---	---	0.00	25	22	44	44	0.00
21	---	---	---	---	---	---	0.00	24	24	44	30	0.00
22	---	---	---	---	---	---	0.00	23	24	44	18	0.00
23	---	---	---	---	---	---	0.00	22	23	44	17	0.00
24	---	---	---	---	---	---	0.00	21	22	47	26	0.00
25	---	---	---	---	---	---	0.00	24	22	48	32	0.00
26	---	---	---	---	---	---	0.00	26	22	51	34	0.00
27	---	---	---	---	---	---	0.00	26	22	45	34	0.00
28	---	---	---	---	---	---	0.00	26	23	45	35	0.00
29	---	---	---	---	---	---	0.00	26	22	45	40	0.00
30	---	---	---	---	---	---	0.00	25	22	45	43	0.00
31	---	---	---	---	---	---	---	26	---	46	46	---
TOTAL	0	0	0	0	0	0	0	426.1	660	1099	1134	666
MEAN	0.000	---	---	---	---	---	0.000	13.8	22.1	35.4	36.6	22.2
MAX	0.00	---	---	---	---	---	0.00	26	25	51	46	44
MIN	0.00	---	---	---	---	---	0.00	0.00	16	23	17	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	845	1309	2180	2249	1321
CAL	YEAR	2010	TOTAL	2860	MEAN	15.5	MAX	55.0	MIN	0.000	AC-FT	5673
WTR	YEAR	2011	TOTAL	3985	MEAN	21.7	MAX	51.0	MIN	0.000	AC-FT	7904

# PLATTE RIVER BASIN (LOUP RIVER)

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

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	58	82	120	108
2	---	---	---	---	---	---	0.00	0.00	57	82	130	108
3	---	---	---	---	---	---	0.00	13	39	82	127	108
4	---	---	---	---	---	---	0.00	66	26	81	128	108
5	---	---	---	---	---	---	0.00	62	25	90	139	108
6	---	---	---	---	---	---	0.00	53	24	113	120	103
7	---	---	---	---	---	---	0.00	54	24	92	124	92
8	---	---	---	---	---	---	0.00	56	24	53	131	85
9	---	---	---	---	---	---	0.00	57	24	53	122	86
10	---	---	---	---	---	---	0.00	57	25	54	127	88
11	---	---	---	---	---	---	0.00	58	24	66	125	88
12	---	---	---	---	---	---	0.00	59	25	82	124	88
13	---	---	---	---	---	---	0.00	60	24	90	132	88
14	---	---	---	---	---	---	0.00	61	42	86	126	89
15	---	---	---	---	---	---	0.00	61	57	83	124	87
16	---	---	---	---	---	---	0.00	61	57	92	115	76
17	---	---	---	---	---	---	0.00	61	56	114	117	69
18	---	---	---	---	---	---	0.00	61	56	113	126	68
19	---	---	---	---	---	---	0.00	62	57	115	123	28
20	---	---	---	---	---	---	0.00	61	58	115	129	0.00
21	---	---	---	---	---	---	0.00	59	58	123	119	0.00
22	---	---	---	---	---	---	0.00	58	57	119	112	0.00
23	---	---	---	---	---	---	0.00	58	55	121	110	0.00
24	---	---	---	---	---	---	0.00	58	55	120	101	0.00
25	---	---	---	---	---	---	0.00	58	56	125	111	0.00
26	---	---	---	---	---	---	0.00	58	56	124	124	0.00
27	---	---	---	---	---	---	0.00	58	58	128	122	0.00
28	---	---	---	---	---	---	0.00	58	59	120	126	0.00
29	---	---	---	---	---	---	0.00	58	59	123	126	0.00
30	---	---	---	---	---	---	0.00	58	68	124	114	0.00
31	---	---	---	---	---	---	---	57	---	119	113	---
TOTAL	0	0	0	0	0	0	0	1661	1363	3084	3787	1675
MEAN	0.000	---	---	---	---	---	0.000	53.6	45.4	99.4	122.2	55.8
MAX	0.00	---	---	---	---	---	0.00	66	68	128	139	108
MIN	0.00	---	---	---	---	---	0.00	0.00	24	53	101	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3295	2703	6117	7511	3322
CAL	YEAR	2010	TOTAL	8128	MEAN	44.2	MAX	137.0	MIN	0.000	AC-FT	16120
WTR	YEAR	2011	TOTAL	11570	MEAN	62.9	MAX	139.0	MIN	0.000	AC-FT	22950

# PLATTE RIVER BASIN (LOUP RIVER)

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

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	40	67	77	83
2	---	---	---	---	---	---	0.00	0.00	41	67	96	80
3	---	---	---	---	---	---	0.00	0.00	43	68	97	80
4	---	---	---	---	---	---	0.00	0.00	46	66	98	80
5	---	---	---	---	---	---	0.00	0.00	46	66	101	80
6	---	---	---	---	---	---	0.00	15	48	87	100	79
7	---	---	---	---	---	---	0.00	37	51	81	100	75
8	---	---	---	---	---	---	0.00	48	51	65	93	74
9	---	---	---	---	---	---	0.00	58	51	64	90	75
10	---	---	---	---	---	---	0.00	62	52	67	97	76
11	---	---	---	---	---	---	0.00	62	52	74	103	77
12	---	---	---	---	---	---	0.00	63	52	74	102	78
13	---	---	---	---	---	---	0.00	62	52	74	99	80
14	---	---	---	---	---	---	0.00	53	51	71	97	74
15	---	---	---	---	---	---	0.00	53	51	74	93	49
16	---	---	---	---	---	---	0.00	32	52	76	90	46
17	---	---	---	---	---	---	0.00	0.00	51	78	91	45
18	---	---	---	---	---	---	0.00	0.00	51	86	90	44
19	---	---	---	---	---	---	0.00	0.00	51	92	91	16
20	---	---	---	---	---	---	0.00	0.00	50	101	93	0.00
21	---	---	---	---	---	---	0.00	0.00	48	103	90	0.00
22	---	---	---	---	---	---	0.00	0.00	27	104	86	0.00
23	---	---	---	---	---	---	0.00	0.00	7.0	104	86	0.00
24	---	---	---	---	---	---	0.00	25	7.3	103	64	0.00
25	---	---	---	---	---	---	0.00	38	7.5	104	89	0.00
26	---	---	---	---	---	---	0.00	38	7.7	105	92	0.00
27	---	---	---	---	---	---	0.00	39	30	104	91	0.00
28	---	---	---	---	---	---	0.00	39	61	100	92	0.00
29	---	---	---	---	---	---	0.00	40	61	101	90	0.00
30	---	---	---	---	---	---	0.00	40	63	101	86	0.00
31	---	---	---	---	---	---	---	39	---	99	86	---
TOTAL	0	0	0	0	0	0	0	843	1301.5	2626	2850	1291
MEAN	0.000	---	---	---	---	---	0.000	27.2	43.4	84.7	91.9	43.1
MAX	0.00	---	---	---	---	---	0.00	63	63	105	103	83
MIN	0.00	---	---	---	---	---	0.00	0.00	7.0	64	64	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1672	2581	5209	5653	2561
CAL	YEAR	2010	TOTAL	7593	MEAN	41.3	MAX	107.0	MIN	0.000	AC-FT	15060
WTR	YEAR	2011	TOTAL	8912	MEAN	48.4	MAX	105.0	MIN	0.000	AC-FT	17680

# PLATTE RIVER BASIN (LOUP RIVER)

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

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	315	0.00	0.00	0.00	0.00	0.00	0.00	343	135	149	251	399
2	314	0.00	0.00	0.00	0.00	0.00	0.00	333	172	152	350	397
3	315	0.00	0.00	0.00	0.00	0.00	0.00	329	169	156	357	387
4	315	0.00	0.00	0.00	0.00	0.00	0.00	335	161	156	363	384
5	311	0.00	0.00	0.00	0.00	0.00	0.00	337	163	156	371	386
6	312	0.00	0.00	0.00	0.00	0.00	0.00	321	205	248	362	391
7	140	0.00	0.00	0.00	0.00	0.00	0.00	321	296	332	363	376
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	334	313	327	357	369
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	339	311	326	358	361
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	350	334	329	394	372
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	351	352	334	433	376
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	322	360	334	430	375
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	361	357	321	428	373
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	361	348	305	423	372
15	0.00	0.00	0.00	0.00	0.00	0.00	89	358	356	264	355	357
16	0.00	0.00	0.00	0.00	0.00	0.00	189	358	361	213	319	364
17	0.00	0.00	0.00	0.00	0.00	0.00	291	357	356	227	315	357
18	0.00	0.00	0.00	0.00	0.00	0.00	344	362	358	228	317	356
19	0.00	0.00	0.00	0.00	0.00	0.00	348	364	361	228	319	359
20	0.00	0.00	0.00	0.00	0.00	0.00	341	365	322	286	318	334
21	0.00	0.00	0.00	0.00	0.00	0.00	352	353	284	330	315	354
22	0.00	0.00	0.00	0.00	0.00	0.00	348	355	208	334	315	350
23	0.00	0.00	0.00	0.00	0.00	0.00	341	361	164	341	313	343
24	0.00	0.00	0.00	0.00	0.00	0.00	340	245	155	334	204	375
25	0.00	0.00	0.00	0.00	0.00	0.00	364	157	154	395	351	376
26	0.00	0.00	0.00	0.00	0.00	0.00	355	145	159	431	385	350
27	0.00	0.00	0.00	0.00	0.00	0.00	329	147	157	438	378	356
28	0.00	0.00	0.00	0.00	0.00	0.00	327	148	156	425	385	140
29	0.00	0.00	0.00	0.00	---	0.00	327	153	156	423	391	3.7
30	0.00	0.00	0.00	0.00	---	0.00	338	153	155	411	401	---
31	0.00	---	0.00	0.00	---	0.00	---	139	---	370	400	---
TOTAL	2022	0	0	0	0	0	5023	9257	7538	9303	11021	10092.7
MEAN	65.2	0.000	0.000	0.000	0.000	0.000	167.5	298.7	251.3	300.1	355.6	348.1
MAX	315	0.00	0.00	0.00	0.00	0.00	364	365	361	438	433	399
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	139	135	149	204	3.7
AC-FT	4011	0.00	0.00	0.00	0.00	0.00	9963	18360	14950	18450	21860	20020
CAL	YEAR	2010	TOTAL	47602	MEAN	130.4	MAX	440.0	MIN	0.000	AC-FT	94420
WTR	YEAR	2011	TOTAL	54257	MEAN	149.1	MAX	438.0	MIN	0.000	AC-FT	107600

# PLATTE RIVER BASIN (LOUP RIVER)

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

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	0.00	0.00	5.4	---
2	---	---	---	---	---	---	---	0.00	0.00	0.00	6.6	---
3	---	---	---	---	---	---	---	0.00	0.00	0.00	16	---
4	---	---	---	---	---	---	---	0.00	0.00	0.00	11	---
5	---	---	---	---	---	---	---	0.00	0.00	6.2	0.00	---
6	---	---	---	---	---	---	---	0.00	0.00	8.8	0.00	---
7	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
8	---	---	---	---	---	---	---	15	0.00	0.00	0.00	---
9	---	---	---	---	---	---	---	19	0.00	0.00	0.00	---
10	---	---	---	---	---	---	---	11	0.00	0.00	0.00	---
11	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
12	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
13	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
14	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
15	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
16	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
17	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
18	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
19	---	---	---	---	---	---	---	0.00	0.00	2.0	0.00	---
20	---	---	---	---	---	---	---	0.00	0.00	16	0.00	---
21	---	---	---	---	---	---	---	0.00	0.00	16	0.00	---
22	---	---	---	---	---	---	---	0.00	0.00	16	0.00	---
23	---	---	---	---	---	---	---	0.00	29	16	0.00	---
24	---	---	---	---	---	---	---	0.00	34	16	0.00	---
25	---	---	---	---	---	---	---	0.00	34	6.5	0.00	---
26	---	---	---	---	---	---	---	0.00	34	0.00	0.00	---
27	---	---	---	---	---	---	---	0.00	27	0.00	0.00	---
28	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
29	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
30	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
31	---	---	---	---	---	---	---	0.00	---	9.6	0.00	---
TOTAL	0	0	0	0	0	0	0	45	158	113.1	39	0
MEAN	---	---	---	---	---	---	---	1.5	5.3	3.7	1.2	---
MAX	---	---	---	---	---	---	---	19	34	16	16	---
MIN	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89	313	224	77	0.00
CAL	YEAR	2010	TOTAL	210	MEAN	1.7	MAX	48.0	MIN	0.000	AC-FT	416
WTR	YEAR	2011	TOTAL	355	MEAN	2.9	MAX	34.0	MIN	0.000	AC-FT	704

# PLATTE RIVER BASIN (LOUP RIVER)

## SHERMAN RESERVOIR from the Middle Loup River, 06784200

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

### STORAGE ( AC-FT ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	53210	54180	52240	51060	50110	49420	48500	55670	69650	68790	63490	50110
2	53700	54180	52240	51060	50110	49420	48500	56170	69650	68500	63220	49880
3	53940	54180	52240	51060	50110	49420	48270	56680	69650	68210	62400	49650
4	54180	53940	52000	51060	50110	49190	48270	56930	69360	67930	61870	49650
5	54670	53940	52000	51060	49880	49190	48270	57430	69080	67650	61340	49650
6	55170	53700	52000	51060	49880	49190	48040	57940	69080	67090	60540	49650
7	55670	53700	52000	50820	49880	49190	48040	58720	69080	66810	59500	49650
8	56170	53700	51770	50820	49880	49190	48040	59240	69080	67090	58980	49650
9	56170	53700	51770	50820	49880	49190	48040	59750	69080	67370	58200	49650
10	55920	53550	51770	50820	49880	48960	48040	60280	69080	67370	57690	49420
11	55920	53550	51530	50820	49880	48960	48040	60810	69080	67650	57180	49420
12	55920	53550	51530	50580	49880	48960	48040	61340	69080	67650	56930	49190
13	55670	53550	51290	50580	49880	48960	47810	61610	69080	67650	56680	49190
14	55670	53210	51290	50580	49880	48960	47810	62140	69080	67930	56680	49420
15	55420	53210	51290	50580	49650	48960	47810	62670	69080	67930	56680	49420
16	55420	52970	51290	50580	49650	48960	47810	62940	69080	68210	56680	49650
17	55420	52970	51290	50350	49650	48960	48270	64860	69080	68210	56680	50110
18	55170	52970	51290	50350	49650	48960	48960	65680	68790	68210	56680	50820
19	55170	52970	51290	50350	49650	48730	49420	66250	69080	68210	56680	51530
20	55170	52970	51290	50350	49650	48730	49880	66810	69360	67650	56680	52000
21	55170	52720	51290	50350	49650	48730	50350	67370	70230	67370	56680	52480
22	54920	52720	51060	50350	49650	48730	51060	67930	70230	66810	56680	52970
23	54920	52720	51060	50350	49650	48730	51530	68500	69940	66250	55920	53700
24	54920	52480	51060	50350	49650	48730	52000	68790	69650	65680	55170	54180
25	54670	52480	51060	50110	49650	48730	52240	69080	69650	65130	53940	54670
26	54670	52480	51060	50110	49650	48730	52720	69360	69650	64580	52970	55170
27	54670	52480	51060	50110	49420	48730	53550	69360	69650	64040	52240	55420
28	54430	52480	51060	50110	49420	48730	53940	69360	69360	63760	51770	55920
29	54430	52240	51060	50110	---	48730	54430	69360	69080	63490	51060	56170
30	54180	52240	51060	50110	---	48500	55170	69360	68790	63490	50580	56170
31	54180	---	51060	50110	---	48500	---	69650	---	63490	50350	---
MEAN	55000	53190	51460	50550	49780	48940	49760	63610	69330	66780	56840	51490
MAX	56170	54180	52240	51060	50110	49420	55170	69650	70230	68790	63490	56170
MIN	53210	52240	51060	50110	49420	48500	47810	55670	68790	63490	50350	49190
CAL	YEAR	2010	TOTAL	20169100	MEAN	55260	MAX	70230	MIN	36970		
WTR	YEAR	2011	TOTAL	20295420	MEAN	55600	MAX	70230	MIN	47810		

e indicates estimated discharge.



# PLATTE RIVER BASIN (LOUP RIVER)

## FARWELL "MAIN" CANAL from Sherman Reservoir, 00048000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	---	36	124	302	323
2	---	---	---	---	---	---	---	---	124	141	374	295
3	---	---	---	---	---	---	---	---	146	144	409	214
4	---	---	---	---	---	---	---	---	146	158	466	191
5	---	---	---	---	---	---	---	---	146	210	492	177
6	---	---	---	---	---	---	---	---	167	251	480	186
7	---	---	---	---	---	---	---	---	172	127	473	202
8	---	---	---	---	---	---	---	---	177	94	433	231
9	---	---	---	---	---	---	---	---	187	110	377	246
10	---	---	---	---	---	---	---	---	191	114	338	256
11	---	---	---	---	---	---	---	---	191	157	343	256
12	---	---	---	---	---	---	---	---	191	194	326	229
13	---	---	---	---	---	---	---	---	186	219	245	198
14	---	---	---	---	---	---	---	---	180	109	222	177
15	---	---	---	---	---	---	---	---	171	81	142	137
16	---	---	---	---	---	---	---	---	174	84	95	29
17	---	---	---	---	---	---	---	---	168	84	82	0.00
18	---	---	---	---	---	---	---	---	165	99	77	0.00
19	---	---	---	---	---	---	---	---	165	165	79	0.00
20	---	---	---	---	---	---	---	---	140	253	131	0.00
21	---	---	---	---	---	---	---	---	114	362	146	0.00
22	---	---	---	---	---	---	---	---	116	374	324	0.00
23	---	---	---	---	---	---	---	---	108	384	475	0.00
24	---	---	---	---	---	---	---	---	111	388	519	0.00
25	---	---	---	---	---	---	---	---	119	392	530	0.00
26	---	---	---	---	---	---	---	---	119	421	518	0.00
27	---	---	---	---	---	---	---	---	119	418	478	0.00
28	---	---	---	---	---	---	---	---	116	289	485	0.00
29	---	---	---	---	---	---	---	---	114	210	418	0.00
30	---	---	---	---	---	---	---	---	114	218	399	0.00
31	---	---	---	---	---	---	---	---	---	225	360	---
TOTAL	0	0	0	0	0	0	0	0	4373	6599	10538	3347
MEAN	0.000	---	---	---	---	---	---	---	145.8	212.9	339.9	111.6
MAX	0.00	---	---	---	---	---	---	---	191	421	530	323
MIN	0.00	---	---	---	---	---	---	---	36	81	77	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8674	13090	20900	6639
CAL	YEAR	2010	TOTAL	22516	MEAN	181.6	MAX	505.0	MIN	0.000	AC-FT	44660
WTR	YEAR	2011	TOTAL	24857	MEAN	202.1	MAX	530.0	MIN	0.000	AC-FT	49300

# PLATTE RIVER BASIN (LOUP RIVER)

## FARWELL "SOUTH" CANAL from Sherman Reservoir, 00049000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	---	33	75	128	180
2	---	---	---	---	---	---	---	---	87	86	168	191
3	---	---	---	---	---	---	---	---	76	89	197	166
4	---	---	---	---	---	---	---	---	62	99	213	156
5	---	---	---	---	---	---	---	---	62	114	254	150
6	---	---	---	---	---	---	---	---	71	166	280	142
7	---	---	---	---	---	---	---	---	86	80	284	156
8	---	---	---	---	---	---	---	---	88	54	280	152
9	---	---	---	---	---	---	---	---	89	56	261	138
10	---	---	---	---	---	---	---	---	89	57	234	129
11	---	---	---	---	---	---	---	---	89	52	216	127
12	---	---	---	---	---	---	---	---	89	52	192	120
13	---	---	---	---	---	---	---	---	93	66	178	106
14	---	---	---	---	---	---	---	---	98	56	178	100
15	---	---	---	---	---	---	---	---	93	48	191	78
16	---	---	---	---	---	---	---	---	95	48	189	17
17	---	---	---	---	---	---	---	---	100	48	175	0.00
18	---	---	---	---	---	---	---	---	100	70	186	0.00
19	---	---	---	---	---	---	---	---	100	120	199	0.00
20	---	---	---	---	---	---	---	---	95	191	201	0.00
21	---	---	---	---	---	---	---	---	80	232	206	0.00
22	---	---	---	---	---	---	---	---	76	206	231	0.00
23	---	---	---	---	---	---	---	---	78	202	243	0.00
24	---	---	---	---	---	---	---	---	76	199	259	0.00
25	---	---	---	---	---	---	---	---	76	210	276	0.00
26	---	---	---	---	---	---	---	---	76	236	266	0.00
27	---	---	---	---	---	---	---	---	76	252	232	0.00
28	---	---	---	---	---	---	---	---	73	221	223	0.00
29	---	---	---	---	---	---	---	---	71	132	213	0.00
30	---	---	---	---	---	---	---	---	71	105	202	0.00
31	---	---	---	---	---	---	---	---	---	103	183	---
TOTAL	0	0	0	0	0	0	0	0	2448	3725	6738	2108
MEAN	0.000	---	---	---	---	---	---	---	81.7	120.1	217.4	70.3
MAX	0.00	---	---	---	---	---	---	---	100	252	284	191
MIN	0.00	---	---	---	---	---	---	---	33	48	128	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4856	7388	13360	4181
CAL	YEAR	2010	TOTAL	13046	MEAN	105.2	MAX	291.0	MIN	0.000	AC-FT	25880
WTR	YEAR	2011	TOTAL	15019	MEAN	122.1	MAX	284.0	MIN	0.000	AC-FT	29790

# PLATTE RIVER BASIN (LOUP RIVER)

## MUD CREEK near Sweetwater, 06783500

LOCATION.--NE1/4SE1/4 Sec. 3-12-15 W., Buffalo County, Lat. 41° 02' 15", Long. 98° 59' 35", on right bank 10 feet downstream from bridge on State Highway 2, 0.9 miles southeast of Sweetwater, and 11.6 miles upstream from mouth.

DRAINAGE AREA.--707 square miles, approx. 655 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is 2,013.69 feet above sea level.

PERIOD OF RECORD.--July 1946 - present

REMARKS.--Record published by the USGS up to October 1, 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge estimated 27,000 cubic feet per second June 22, 1947, gage height 23.20 feet. Peak discharge computed 5,600 cubic feet per second June 24, 1968, gage height 20.07 feet; minimum daily discharge zero at times in 1955, 1956, 2002, 2003.

EXTREMES FOR CURRENT YEAR.--Peak discharge 327 cubic feet per second June 21, gage height 10.42 feet; minimum daily discharge 12 cubic feet per second September 9.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	29	32	26e	25e	24e	52e	40	39	61	36	24	18
2	28	33	29e	26e	24e	53e	40	38	59	35	23	15
3	28	33	32e	28e	28e	49e	41	38	63	33	23	15
4	28	33	30e	29e	31e	45e	41	38	53	33	20	15
5	28	33	30e	30e	35e	44e	39	38	49	32	20	15
6	28	33	33e	30e	34e	41e	38	38	45	32	20	16
7	27	33	32e	32e	32e	39e	37	38	43	50	20	16
8	27	41	33e	30e	29e	38e	37	39	41	55	21	15
9	28	36	33e	29e	30e	41e	38	38	39	44	22	13
10	28	34	33e	27e	36e	41e	37	37	38	50	19	14
11	28	32	31e	26e	39e	39e	37	37	38	50	20	15
12	29	33	27e	25e	46e	41	37	50	38	37	22	14
13	29	33	31e	28e	56e	42	36	120	38	34	21	14
14	29	33	38e	33e	53e	43	37	46	38	34	19	15
15	29	33	41e	32e	58e	42	49	48	38	40	19	14
16	29	34	39e	31e	56e	41	56	59	38	46	20	15
17	29	34	37e	32e	53e	41	57	45	37	36	20	16
18	29	33	37e	32e	51e	40	60	43	37	31	18	16
19	29	33	37e	30e	52e	39	50	43	37	28	15	16
20	29	33	36e	29e	48e	39	46	47	51	25	16	16
21	29	34	34e	29e	44e	39	45	50	218	22	17	16
22	29	33	35e	33e	45e	40	46	48	80	22	19	15
23	30	32	33e	32e	51e	39	46	46	72	26	18	15
24	31	32e	32e	31e	49e	38	44	46	53	25	15	15
25	31	30e	31e	35e	40e	38	45	123	54	24	14	15
26	32	28e	33e	38e	39e	38	45	111	46	23	13	15
27	33	29e	34e	40e	45e	38	42	121	43	25	13	16
28	36	31e	37e	42e	47e	38	41	159	41	24	13	16
29	36	31e	36e	37e	---	39	40	77	40	22	14	16
30	34	28e	32e	32e	---	40	40	60	38	24	19	15
31	32	---	28e	28e	---	41	---	64	---	26	21	---
TOTAL	921	980	1030	961	1175	1278	1287	1824	1566	1024	578	457
MEAN	29.6	32.6	33.2	30.9	42.0	41.2	43.0	58.9	52.2	33.1	18.7	15.3
MAX	36	41	41	42	58	53	60	159	218	55	24	18
MIN	27	28	26	25	24	38	36	37	37	22	13	13
AC-FT	1827	1944	2043	1906	2331	2535	2553	3618	3106	2031	1146	906
CAL	YEAR	2010	TOTAL	19669	MEAN	53.9	MAX	899.0	MIN	24.0	AC-FT	39010
WTR	YEAR	2011	TOTAL	13081	MEAN	35.8	MAX	218.0	MIN	13.0	AC-FT	25950

e indicates estimated discharge.

# PLATTE RIVER BASIN

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## (LOUP RIVER)

### TURKEY CREEK near Dannebrog, 06784800

LOCATION.--SW1/4NW1/4 Sec. 26-14-11 W., Howard County, Lat. 41° 09' 24", Long. 98° 33' 22", on left bank 25 feet downstream from State Highway 11 bridge, 2.8 miles north of Dannebrog, and 10 miles above mouth.

DRAINAGE AREA.--66.2 square miles.

GAGE.--Continuous stage recorder. Gage datum is 1,870.35 feet above sea level.

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

REMARKS.--Records published by the USGS up to Oct. 1, 1993. Records are fair to good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 2,680 cubic feet per second June 14, 1967, gage height 19.21 feet; maximum gage height 19.26 feet June 12, 1983; no flow May 17-20, 1966.

EXTREMES FOR CURRENT YEAR.--Peak discharge 384 cubic feet per second June 22, gage height 11.16 feet; minimum daily discharge 4.9 cubic feet per second estimated September 25 and 28.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.7	9.2	9.7	9.3e	6.3e	11	15	12	46	14	24	34
2	8.4	9.0	8.8	8.6e	8.7e	11e	15	13	33	14	22	36
3	8.6	9.3	8.9	8.5e	9.4e	11	14	13	29	15	22	33
4	8.4	8.9	9.0	7.6e	8.7e	11	12	13	26	14	30	29
5	8.3	9.0	8.9e	8.7e	10e	11	13	13	25	14	36	24
6	8.1	9.1	8.8	9.8e	9.5e	11	12	14	24	16	34	25
7	8.6	9.1	8.9	7.9e	8.9e	11e	12	15	22	34	33	21
8	8.1	9.1	8.7	8.8e	7.2e	11	12	15	20	17	41	18
9	7.8	9.4	8.8	11e	8.6e	10e	13	16	18	12	36	17
10	7.9	9.5	9.0e	11e	10e	10e	12	15	20	14	36	22
11	8.5	9.2	9.1e	11e	15e	12	12	14	20	13	34	24
12	8.6	9.9	9.0e	7.0e	23e	14	12	17	20	12	37	21
13	8.4	9.7	9.1e	11e	32e	13	11	22	18	53	35	20
14	8.2	9.3	9.3e	13e	31e	12	11	20	18	107	28	20
15	8.3	9.4	9.4e	10e	26e	12	19	20	17	31	43	21
16	8.1	9.5	9.5e	9.6e	22e	12	22	19	16	23	31	22
17	8.3	9.5	9.6e	8.0e	19e	12	18	19	16	20	25	21
18	8.2	9.3	9.6e	8.5e	14e	12	15	19	15	19	22	17
19	8.3	9.0	9.7	7.5e	12e	11	18	23	16	19	20	14
20	8.3	9.5	9.6	7.2e	8.4e	12	20	35	74	19	15	14
21	8.5	9.8	9.5	9.4e	9.8e	12	17	31	204	23	16	11
22	8.6	9.6	9.2	11e	14e	12	17	33	219	31	19	8.1
23	8.7	9.4	9.5	8.8e	11e	12	12	29	30	28	21	5.7
24	8.9	9.5	9.4	8.3e	12e	11	14	29	22	28	27	5.5
25	9.1	9.0e	9.4	7.3e	14e	11	13	101	20	31	31	4.9
26	9.2	8.9	9.4	7.8e	13	12	15	82	18	32	36	5.0
27	9.9	8.8	9.4e	12e	11	12	13	45	17	44	42	5.1
28	9.1	9.1	9.4	13e	10e	12	13	40	15	47	38	4.9
29	9.1	9.6	9.0e	8.4e	---	13	13	36	15	36	44	6.1
30	8.8	9.6e	9.6e	6.4e	---	13	12	35	15	29	42	5.3
31	9.2	---	7.8e	6.5e	---	15	---	63	---	26	38	---
TOTAL	265.2	279.2	285	282.9	384.5	365	427	871	1068	835	958	514.6
MEAN	8.6	9.3	9.2	9.1	13.8	11.9	14.3	28.1	35.7	26.9	30.9	17.2
MAX	9.9	9.9	9.7	13	32	15	22	101	219	107	44	36
MIN	7.8	8.8	7.8	6.4	6.3	10	11	12	15	12	15	4.9
AC-FT	526	554	565	561	763	724	847	1728	2118	1656	1900	1021
CAL	YEAR	2010	TOTAL	9734	MEAN	26.7	MAX	747.0	MIN	7.0	AC-FT	19310
WTR	YEAR	2011	TOTAL	6535	MEAN	17.9	MAX	219.0	MIN	4.9	AC-FT	12960

e indicates estimated discharge.

# PLATTE RIVER BASIN (LOUP RIVER)

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

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	0.00	83	228	179
2	---	---	---	---	---	---	---	0.00	0.00	81	229	171
3	---	---	---	---	---	---	---	0.00	0.00	81	235	166
4	---	---	---	---	---	---	---	0.00	0.00	84	235	165
5	---	---	---	---	---	---	---	0.00	0.00	103	235	156
6	---	---	---	---	---	---	---	0.00	0.00	113	235	163
7	---	---	---	---	---	---	---	0.00	0.98	110	235	163
8	---	---	---	---	---	---	---	0.00	31	111	228	146
9	---	---	---	---	---	---	---	0.00	76	111	229	139
10	---	---	---	---	---	---	---	0.00	45	114	225	140
11	---	---	---	---	---	---	---	0.00	62	133	220	138
12	---	---	---	---	---	---	---	0.00	67	132	188	121
13	---	---	---	---	---	---	---	0.00	66	131	149	111
14	---	---	---	---	---	---	---	0.00	74	145	147	104
15	---	---	---	---	---	---	---	0.00	75	145	147	82
16	---	---	---	---	---	---	---	0.00	74	147	146	65
17	---	---	---	---	---	---	---	0.00	82	150	147	69
18	---	---	---	---	---	---	---	0.00	79	164	155	62
19	---	---	---	---	---	---	---	0.00	79	184	172	30
20	---	---	---	---	---	---	---	0.00	77	205	173	0.00
21	---	---	---	---	---	---	---	0.00	81	205	169	0.00
22	---	---	---	---	---	---	---	0.00	77	211	160	0.00
23	---	---	---	---	---	---	---	0.00	81	217	159	0.00
24	---	---	---	---	---	---	---	0.00	77	221	161	0.00
25	---	---	---	---	---	---	---	0.00	78	227	161	0.00
26	---	---	---	---	---	---	---	0.00	81	230	162	0.00
27	---	---	---	---	---	---	---	0.00	83	232	163	0.00
28	---	---	---	---	---	---	---	0.00	84	230	166	0.00
29	---	---	---	---	---	---	---	0.00	85	225	173	0.00
30	---	---	---	---	---	---	---	0.00	86	228	172	0.00
31	---	---	---	---	---	---	---	0.00	---	228	182	---
TOTAL	0	0	0	0	0	0	0	0	1700.98	4981	5786	2370
MEAN	---	---	---	---	---	---	---	0.000	56.6	160.6	186.6	79.0
MAX	---	---	---	---	---	---	---	0.00	86	232	235	179
MIN	---	---	---	---	---	---	---	0.00	0.00	81	146	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3374	9880	11480	4701
CAL	YEAR	2010	TOTAL	1863	MEAN	27.8	MAX	143.0	MIN	0.000	AC-FT	3695
WTR	YEAR	2011	TOTAL	14838	MEAN	97.0	MAX	235.0	MIN	0.000	AC-FT	29430

# PLATTE RIVER BASIN

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## (LOUP RIVER)

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

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

GAGE.--Continuous stage recorder and modified Parshall flume

PERIOD OF RECORD.--1989 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	0.00	0.00	56	126	116
2	---	---	---	---	---	---	---	0.00	0.00	54	124	115
3	---	---	---	---	---	---	---	0.00	0.00	59	125	106
4	---	---	---	---	---	---	---	0.00	0.00	58	127	106
5	---	---	---	---	---	---	---	0.00	0.00	66	130	102
6	---	---	---	---	---	---	---	0.00	0.00	73	129	102
7	---	---	---	---	---	---	---	0.00	0.00	75	131	107
8	---	---	---	---	---	---	---	0.00	0.00	75	130	97
9	---	---	---	---	---	---	---	0.00	9.8	75	137	85
10	---	---	---	---	---	---	---	0.00	59	76	140	82
11	---	---	---	---	---	---	---	0.00	65	87	136	87
12	---	---	---	---	---	---	---	0.00	73	93	133	81
13	---	---	---	---	---	---	---	0.00	52	89	101	71
14	---	---	---	---	---	---	---	0.00	36	100	114	72
15	---	---	---	---	---	---	---	0.00	39	102	101	71
16	---	---	---	---	---	---	---	0.00	35	99	104	56
17	---	---	---	---	---	---	---	0.00	42	98	101	53
18	---	---	---	---	---	---	---	0.00	44	103	109	58
19	---	---	---	---	---	---	---	0.00	46	104	112	44
20	---	---	---	---	---	---	---	0.00	50	115	108	19
21	---	---	---	---	---	---	---	0.00	55	114	109	4.9
22	---	---	---	---	---	---	---	0.00	51	119	98	0.00
23	---	---	---	---	---	---	---	0.00	52	115	100	0.00
24	---	---	---	---	---	---	---	0.00	50	119	102	0.00
25	---	---	---	---	---	---	---	0.00	50	120	100	0.00
26	---	---	---	---	---	---	---	0.00	49	124	101	0.00
27	---	---	---	---	---	---	---	0.00	53	129	99	0.00
28	---	---	---	---	---	---	---	0.00	52	130	102	0.00
29	---	---	---	---	---	---	---	0.00	54	128	108	0.00
30	---	---	---	---	---	---	---	0.00	54	128	102	0.00
31	---	---	---	---	---	---	---	0.00	---	128	112	---
TOTAL	0	0	0	0	0	0	0	0	1070.8	3011	3551	1634.9
MEAN	---	---	---	---	---	---	---	0.000	35.7	97.0	114.6	54.5
MAX	---	---	---	---	---	---	---	0.00	73	130	140	116
MIN	---	---	---	---	---	---	---	0.00	0.00	54	98	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2124	5972	7043	3243
CAL	YEAR	2010	TOTAL	666	MEAN	13.1	MAX	31.0	MIN	0.000	AC-FT	1321
WTR	YEAR	2011	TOTAL	9268	MEAN	60.6	MAX	140.0	MIN	0.000	AC-FT	18380

# PLATTE RIVER BASIN (LOUP RIVER)

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

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

GAGE.--Continuous stage recorder and modified Parshall flume

PERIOD OF RECORD.--1989 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	---	0.00	34	36	79	73
2	---	---	---	---	---	---	---	0.00	35	35	80	71
3	---	---	---	---	---	---	---	0.00	35	36	79	68
4	---	---	---	---	---	---	---	0.00	36	37	80	66
5	---	---	---	---	---	---	---	0.00	36	38	80	64
6	---	---	---	---	---	---	---	0.00	36	38	79	65
7	---	---	---	---	---	---	---	0.00	36	46	78	63
8	---	---	---	---	---	---	---	0.00	36	51	76	61
9	---	---	---	---	---	---	---	30	37	48	74	58
10	---	---	---	---	---	---	---	32	37	48	75	57
11	---	---	---	---	---	---	---	33	36	52	75	56
12	---	---	---	---	---	---	---	37	38	52	72	57
13	---	---	---	---	---	---	---	35	37	49	66	56
14	---	---	---	---	---	---	---	35	37	62	68	56
15	---	---	---	---	---	---	---	36	34	67	66	54
16	---	---	---	---	---	---	---	37	33	67	67	55
17	---	---	---	---	---	---	---	36	33	68	67	47
18	---	---	---	---	---	---	---	36	33	68	69	46
19	---	---	---	---	---	---	---	36	32	66	68	46
20	---	---	---	---	---	---	---	36	35	67	65	18
21	---	---	---	---	---	---	---	35	35	72	67	0.00
22	---	---	---	---	---	---	---	34	33	69	67	0.00
23	---	---	---	---	---	---	---	35	31	68	67	0.00
24	---	---	---	---	---	---	---	36	32	70	67	0.00
25	---	---	---	---	---	---	---	36	33	74	68	0.00
26	---	---	---	---	---	---	---	34	35	74	68	0.00
27	---	---	---	---	---	---	---	35	35	75	66	0.00
28	---	---	---	---	---	---	---	34	35	75	66	0.00
29	---	---	---	---	---	---	---	36	35	76	70	0.00
30	---	---	---	---	---	---	---	36	35	79	71	0.00
31	---	---	---	---	---	---	---	33	---	78	72	---
TOTAL	0	0	0	0	0	0	0	803	1045	1841	2212	1137
MEAN	0.000	---	---	---	---	---	---	25.9	34.7	59.4	71.4	38.0
MAX	0.00	---	---	---	---	---	---	37	38	79	80	73
MIN	0.00	---	---	---	---	---	---	0.00	31	35	65	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1593	2073	3652	4387	2255
CAL	YEAR	2010	TOTAL	4052	MEAN	26.3	MAX	70.0	MIN	0.000	AC-FT	8036
WTR	YEAR	2011	TOTAL	7038	MEAN	45.7	MAX	80.0	MIN	0.000	AC-FT	13960

# PLATTE RIVER BASIN

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## (LOUP RIVER)

### KENT CANAL from North Loup River, 00076500

LOCATION.--NW1/4SE1/4 Sec. 26-21-17 W., Loup County

GAGE.--Continuous stage recorder and 20 foot Ramp flume

PERIOD OF RECORD.--1995 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	---	---
2	---	---	---	---	---	---	0.00	19	0.00	---	---	---
3	---	---	---	---	---	---	0.00	47	0.00	---	---	---
4	---	---	---	---	---	---	0.00	47	0.00	---	---	---
5	---	---	---	---	---	---	0.00	46	0.00	---	0.05	---
6	---	---	---	---	---	---	0.00	45	0.00	---	---	---
7	---	---	---	---	---	---	0.00	45	0.00	---	---	---
8	---	---	---	---	---	---	0.00	45	0.00	---	---	---
9	---	---	---	---	---	---	0.00	43	0.00	---	---	---
10	---	---	---	---	---	---	0.00	45	0.00	---	---	---
11	---	---	---	---	---	---	0.00	47	0.00	---	---	---
12	---	---	---	---	---	---	0.00	47	0.00	---	---	---
13	---	---	---	---	---	---	0.00	45	0.00	---	---	---
14	---	---	---	---	---	---	0.00	45	0.00	---	---	---
15	---	---	---	---	---	---	0.00	45	0.00	---	---	---
16	---	---	---	---	---	---	0.00	45	0.00	---	---	---
17	---	---	---	---	---	---	0.00	45	0.00	---	---	---
18	---	---	---	---	---	---	0.00	45	0.00	---	---	---
19	---	---	---	---	---	---	0.00	45	0.00	---	---	---
20	---	---	---	---	---	---	0.00	45	0.00	---	---	---
21	---	---	---	---	---	---	0.00	35	0.00	---	---	---
22	---	---	---	---	---	---	0.00	34	0.00	---	---	---
23	---	---	---	---	---	---	0.00	48	0.00	---	---	---
24	---	---	---	---	---	---	0.00	48	0.00	---	---	---
25	---	---	---	---	---	---	0.00	30	0.00	---	---	---
26	---	---	---	---	---	---	0.00	0.00	0.00	---	---	---
27	---	---	---	---	---	---	0.00	0.00	0.00	---	---	---
28	---	---	---	---	---	---	0.00	0.00	0.00	---	---	---
29	---	---	---	---	---	---	0.00	0.00	0.00	---	---	---
30	---	---	---	---	---	---	0.00	0.00	0.00	---	---	---
31	---	---	---	---	---	---	---	0.00	---	---	---	---
TOTAL	0	0	0	0	0	0	0	1031	0	0	0.05	0
MEAN	0.000	---	---	---	---	---	0.000	33.3	0.000	0.000	0.048	---
MAX	0.00	---	---	---	---	---	0.00	48	0.00	0.00	0.05	---
MIN	0.00	---	---	---	---	---	0.00	0.00	0.00	0.00	0.05	---
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2045	0.00	0.00	0.10	0.00
CAL	YEAR	2010	TOTAL	357	MEAN	1.9	MAX	48.0	MIN	0.000	AC-FT	707
WTR	YEAR	2011	TOTAL	1031	MEAN	11.0	MAX	48.0	MIN	0.000	AC-FT	2045



# PLATTE RIVER BASIN (LOUP RIVER)

## CALAMUS RIVER near Harrop, 06787000

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

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

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

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

REMARKS.--Record published by the USGS up to Oct. 1, 1997. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 3,260 cubic feet per second June 12, 2010, gage height 7.75 feet; maximum gage height 7.75 feet June 10, 2010 due to a flood; minimum daily discharge 90 cubic feet per second January 7, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharge 711 cubic feet per second June 29, gage height 5.68 feet; minimum daily discharge 131 cubic feet per second estimated January 15.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	297	313	279	145e	194e	330	444	327	474	507	280	312
2	294	307	301	168e	187e	332	464	321	472	421	274	306
3	290	307	299	185e	260e	335	463	319	425	409	267	302
4	291	303	290	212e	336e	338	406	315	368	386	266	294
5	295	297	285	250e	339	334e	395	309	322	371	270	290
6	295	300	287	329	369	326	387	303	305	364	275	290
7	296	305	290	347	344e	320	383	299	291	421	268	288
8	297	314	290	332	308e	306	376	301	274	409	267	287
9	296	318	297	202e	337e	313	376	298	276	358	265	287
10	301	316	304	193e	319	324	373	293	299	334	269	286
11	312	311	273e	175e	333	351	360	290	284	326	270	286
12	312	322	257e	248e	357	376	360	306	279	412	375	283
13	309	319	296e	304e	359	405	344	295	281	484	389	281
14	305	317	321e	248e	357	425	339	295	307	485	363	281
15	303	311	332	131e	374	424	418	294	295	503	327	292
16	298	312	335	331	400	431	427	290	291	465	309	323
17	296	307	322	332	417	437	448	292	336	415	299	330
18	301	312	295	140e	407	438	430	305	374	381	295	318
19	302	308	295	307	388	437	447	320	348	361	293	307
20	299	302	294	149e	405	434	467	340	346	342	294	299
21	301	298	293	305	412e	427	495	355	476	326	313	290
22	303	297	290	173e	422e	407	492	354	527	318	344	288
23	319	298	287	173e	446e	400	460	339	592	312	317	291
24	323	296	293	215e	353	381	431	337	615	308	308	299
25	336	297e	291	193e	332e	376	413	338	519	306	302	302
26	354	301e	289	321	317	380	396	325	471	309	296	301
27	340	300	295	323	322e	375	384	331	601	310	296	297
28	320	302	307	331	322	390	372	324	690	307	302	295
29	317	303	304	338	---	389	365	306	700	301	311	295
30	314	299e	180e	336	---	389	346	313	642	296	324	287
31	318	---	148e	224e	---	417	---	453	---	288	320	---
TOTAL	9534	9192	8919	7660	9716	11747	12261	9887	12480	11535	9348	8887
MEAN	307.5	306.4	287.8	247.2	347.0	379.0	408.7	318.9	415.9	372.1	301.4	296.2
MAX	354	322	335	347	446	438	495	453	700	507	389	330
MIN	290	296	148	131	187	306	339	290	274	288	265	281
AC-FT	18910	18230	17690	15190	19270	23300	24320	19610	24750	22880	18540	17630
CAL	YEAR	2010	TOTAL	129745	MEAN	355.5	MAX	2390	MIN	148.0	AC-FT	257300
WTR	YEAR	2011	TOTAL	121166	MEAN	332.0	MAX	700.0	MIN	131.0	AC-FT	240300

e indicates estimated discharge.

# PLATTE RIVER BASIN

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## (LOUP RIVER)

### CALAMUS RESERVOIR from Calamus River, 06787300

LOCATION.--NW1/4NW1/4 Sec. 6-22-16 W., Garfield County, Lat. 41° 49' 38", Long. 99° 13' 11", near right bank in control house of outlet works of Calamus Dam on Calamus River, 4 miles upstream from mouth, 5.5 miles northwest of Burwell.

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

PERIOD OF RECORD.--1985 - present

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of conservation pool	2,244.0	127,400
Top of dead storage pool	2,185.0	817

### STORAGE ( AC-FT ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	60720	79660	96960	108700	110500	114300	123400	124800	126500	128500	106400	82320
2	61270	80230	97520	108600	110100	114300	123800	125000	126900	127800	105500	81870
3	61820	80910	98040	108700	110200	114300	124200	124900	127200	127300	104200	81290
4	62400	81440	98900	108800	110300	114200	125000	124800	127500	126800	103000	80720
5	62920	81900	99160	108900	110500	115000	124600	125200	127300	126300	102000	80150
6	63620	82440	99780	109000	110700	115700	124800	125100	127200	126000	100900	79700
7	64180	83020	100300	109200	110900	116500	124900	125400	126900	125700	99860	79130
8	64710	83720	100900	109200	110900	116900	125000	125300	126800	125100	98520	79170
9	65440	84180	101500	109400	110800	116800	125200	125500	126400	124600	97830	78680
10	65850	84970	102100	109400	110800	116900	125400	125600	126400	124000	96840	78120
11	66520	85440	103000	109300	110900	116900	125500	125400	126200	123400	95690	77640
12	67140	86110	103000	109100	111200	117100	125300	125500	126000	123000	94970	77150
13	67820	86820	103300	109200	111500	117400	125400	125500	126000	122800	94800	76710
14	68190	87420	103800	109400	111500	117900	125200	125400	126000	122300	94000	76160
15	68820	88060	104400	109400	111700	118200	125900	125400	125800	121700	93120	75760
16	69540	88660	105100	109600	111900	118700	125100	125200	125500	121200	92380	75870
17	69890	89220	105700	109700	112200	119100	124600	125000	125900	120800	91920	75870
18	70450	89710	106400	109900	112400	119400	124200	124800	125900	120300	91220	75980
19	70940	90480	107100	110000	112700	119700	124300	125000	125900	119600	90520	75940
20	71580	90930	107500	110100	113100	120100	123800	125000	126100	118800	89790	76010
21	72110	91590	107900	110100	113200	120400	123500	125500	126300	117400	89100	75790
22	72680	92170	108200	110100	113300	120600	123800	125700	126600	116400	88580	75680
23	73360	92710	108200	110200	113500	121100	124000	125600	127000	115500	87980	75610
24	74660	93250	108300	110200	113800	121200	123800	125600	127500	114500	87580	75540
25	75100	93790	108400	110300	114000	121500	123800	125800	127800	113300	86860	75500
26	76340	94250	108400	110300	114100	121600	124100	126000	128400	112300	86150	75460
27	76710	94840	108500	110400	114200	121700	124400	126000	129400	111200	85360	75430
28	77270	95430	108600	110400	114400	121800	124600	126100	129300	109800	84570	75390
29	77790	96240	108700	110500	---	122200	124600	126100	129000	109200	83990	75390
30	78490	96750	108800	110500	---	122600	124800	126000	128700	108200	83450	75200
31	79060	---	109000	110600	---	123000	---	126400	---	107300	82830	---
MEAN	69590	88210	104400	109700	112000	118600	124600	125400	126900	119700	93220	77310
MAX	79060	96750	109000	110600	114400	123000	125900	126400	129400	128500	106400	82320
MIN	60720	79660	96960	108600	110100	114200	123400	124800	125500	107300	82830	75200
CAL	YEAR	2010	TOTAL	37587950	MEAN	103000	MAX	138000	MIN	59220		
WTR	YEAR	2011	TOTAL	38607030	MEAN	105800	MAX	129400	MIN	60720		

# PLATTE RIVER BASIN (LOUP RIVER)

## MIRDAN CANAL from Calamus Reservoir, 00100500

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	238	314	280	553	284
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	223	308	301	561	242
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194	366	309	598	229
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	195	369	308	610	227
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192	361	300	601	230
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190	362	294	570	247
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190	358	328	568	280
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190	379	333	550	285
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	258	369	339	526	291
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	304	317	358	548	242
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	329	355	393	523	238
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	328	311	361	403	236
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	267	345	377	400	249
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	257	330	394	372	195
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	288	326	386	364	25
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	321	317	410	326	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	295	319	418	348	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	22	287	323	465	366	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	65	281	323	503	337	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	132	279	323	581	351	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	215	279	286	568	354	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	242	292	258	582	315	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	242	307	260	569	306	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	242	300	262	557	351	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	243	293	275	556	368	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	241	326	276	569	351	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	240	310	276	557	350	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	240	314	269	545	344	0.00
29	0.00	0.00	0.00	0.00	---	0.00	240	322	266	550	328	0.00
30	0.00	0.00	0.00	0.00	---	0.00	238	318	275	536	319	0.00
31	0.00	---	0.00	0.00	---	0.00	---	319	---	535	304	---
TOTAL	0	0	0	0	0	0	2602	8486	9478	13562	13165	3500
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	86.7	273.8	315.9	437.5	424.8	116.7
MAX	0.00	0.00	0.00	0.00	0.00	0.00	243	329	379	582	610	291
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190	258	280	304	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	5161	16830	18800	26900	26110	6942
CAL	YEAR	2010	TOTAL	53727	MEAN	147.2	MAX	635.0	MIN	0.000	AC-FT	106600
WTR	YEAR	2011	TOTAL	50793	MEAN	139.2	MAX	610.0	MIN	0.000	AC-FT	100700

# PLATTE RIVER BASIN (LOUP RIVER)

## CALAMUS FISH HATCHERY INLET from Calamus Reservoir, 00019800

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

GAGE.--Flow meter

PERIOD OF RECORD.--1994 - present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.3	2.0	3.4	5.5	5.5	3.1	6.5	5.7	5.4	14	15	12
2	6.2	2.1	4.4	5.5	5.5	3.1	6.5	6.2	5.4	10	15	12
3	3.4	2.0	4.8	5.6	5.5	3.1	6.5	6.3	5.5	16	15	12
4	3.4	2.0	5.0	5.5	5.5	3.7	6.7	6.6	7.7	16	14	12
5	4.0	2.4	5.4	5.5	5.5	5.2	11	6.6	6.6	16	14	11
6	5.7	2.5	5.5	5.5	5.5	5.5	14	7.1	5.8	16	14	11
7	6.8	2.6	5.5	5.5	5.6	5.5	13	9.4	5.1	16	14	12
8	7.5	2.6	5.5	5.5	5.5	5.5	14	9.4	4.2	15	14	13
9	7.0	2.7	5.6	5.6	5.4	5.9	15	11	4.2	15	14	13
10	6.6	2.6	5.5	5.5	5.5	6.8	15	11	8.7	16	13	13
11	6.9	2.5	5.5	5.4	5.5	6.9	15	7.4	10	14	13	14
12	6.8	2.6	5.4	5.5	5.4	6.7	15	7.2	12	13	13	15
13	6.0	2.6	5.5	5.5	5.5	6.7	14	9.8	8.9	13	13	15
14	6.0	2.6	5.5	5.4	5.5	6.7	14	11	8.9	13	13	14
15	5.2	2.6	5.4	5.5	5.4	6.6	13	9.8	8.9	13	14	13
16	4.0	2.5	5.5	5.5	5.5	6.6	11	6.9	9.2	14	14	12
17	3.7	2.6	5.5	5.4	5.6	6.9	10	3.8	11	14	10	12
18	3.2	2.6	5.6	5.5	5.5	8.0	5.8	3.4	14	14	12	12
19	2.7	2.6	5.5	5.5	5.5	8.3	7.2	3.0	16	15	14	11
20	1.7	2.6	5.5	5.6	5.5	9.4	13	4.5	14	14	14	12
21	1.7	2.8	5.4	5.5	5.5	8.4	9.8	7.4	12	14	14	13
22	1.7	2.9	5.5	5.5	5.6	9.2	10	7.4	9.6	14	14	13
23	1.7	3.2	5.6	5.5	5.5	12	14	7.5	8.4	13	13	11
24	1.7	3.3	5.5	5.4	5.5	12	14	7.7	10	14	12	9.1
25	1.6	3.4	5.5	5.5	6.0	12	15	7.8	10	15	13	8.8
26	1.6	3.4	5.5	5.5	6.0	13	14	7.8	8.8	15	15	8.8
27	1.6	3.4	5.5	5.5	6.0	14	14	7.9	9.4	14	15	8.6
28	1.6	3.4	5.5	5.5	6.1	11	11	8.8	9.0	15	15	7.9
29	1.6	3.4	5.6	5.5	---	6.7	8.8	10	8.6	14	14	7.6
30	1.6	3.4	5.5	5.5	---	7.3	7.2	8.4	9.9	14	14	7.2
31	1.6	---	5.5	5.5	---	8.0	---	5.8	---	13	14	---
TOTAL	121.1	81.9	166.1	170.4	156.1	233.8	344	232.6	267.2	442	425	346
MEAN	3.9	2.7	5.4	5.5	5.6	7.5	11.4	7.5	8.9	14.2	13.7	11.5
MAX	7.5	3.4	5.6	5.6	6.1	14	15	11	16	16	15	15
MIN	1.6	2.0	3.4	5.4	5.4	3.1	5.8	3.0	4.2	10	10	7.2
AC-FT	240	162	329	338	310	464	682	461	530	877	843	686
CAL	YEAR	2010	TOTAL	2592	MEAN	7.1	MAX	19.0	MIN	0.000	AC-FT	5142
WTR	YEAR	2011	TOTAL	2986	MEAN	8.2	MAX	16.0	MIN	1.6	AC-FT	5923

# PLATTE RIVER BASIN (LOUP RIVER)

## INLET TO DAVIS CREEK RESERVOIR from Mirdan Canal, 00088500

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

GAGE.--Continuous stage recorder and modified Parshall Flume

PERIOD OF RECORD.--1991 to present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	0.00	0.00	183	191	179	119	23
2	0.00	---	---	---	---	0.00	0.00	191	191	190	95	15
3	0.00	---	---	---	---	0.00	0.00	191	200	200	103	20
4	0.00	---	---	---	---	0.00	0.00	187	212	199	127	21
5	0.00	---	---	---	---	0.00	0.00	181	213	191	130	17
6	---	---	---	---	---	0.00	0.00	181	213	184	134	12
7	---	---	---	---	---	0.00	0.00	182	209	187	135	13
8	---	---	---	---	---	0.00	0.00	183	207	187	130	14
9	---	---	---	---	---	0.00	0.00	185	214	176	135	11
10	---	---	---	---	---	0.00	0.00	184	219	179	148	10.0
11	---	---	---	---	---	0.00	0.00	180	220	173	167	9.9
12	---	---	---	---	---	0.00	0.00	181	219	180	182	4.9
13	---	---	---	---	---	0.00	0.00	183	217	191	216	1.8
14	---	---	---	---	---	0.00	0.00	185	213	183	219	15
15	---	---	---	---	---	0.00	0.00	186	214	183	213	32
16	---	---	---	---	---	0.00	0.00	185	216	184	187	43
17	---	---	---	---	---	0.00	0.00	188	213	181	181	43
18	---	---	---	---	---	0.00	0.00	192	211	178	191	38
19	---	---	---	---	---	0.00	0.00	193	212	169	130	25
20	---	---	---	---	---	0.00	0.00	192	224	148	109	24
21	---	---	---	---	---	0.00	45	192	233	142	107	33
22	---	---	---	---	---	0.00	142	192	210	134	74	31
23	---	---	---	---	---	0.00	167	191	181	139	51	29
24	---	---	---	---	---	0.00	167	191	182	134	48	26
25	---	---	---	---	---	0.00	177	195	186	124	31	25
26	---	---	---	---	---	0.00	184	197	185	119	8.2	27
27	---	---	---	---	---	0.00	194	195	185	119	14	30
28	---	---	---	---	---	0.00	197	193	189	127	28	14
29	---	---	---	---	---	0.00	199	192	189	131	44	1.3
30	---	---	---	---	---	0.00	188	190	185	135	38	0.31
31	---	---	---	---	---	0.00	---	190	---	129	30	---
TOTAL	0	0	0	0	0	0	1660	5831	6153	5075	3524.2	609.21
MEAN	0.000	---	---	---	---	0.000	55.4	188.1	205.2	163.7	113.7	20.3
MAX	0.00	---	---	---	---	0.00	199	197	233	200	219	43
MIN	0.00	---	---	---	---	0.00	0.00	180	181	119	8.2	0.31
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	3293	11570	12200	10070	6990	1208
CAL	YEAR	2010	TOTAL	22333	MEAN	80.3	MAX	239.0	MIN	0.000	AC-FT	44300
WTR	YEAR	2011	TOTAL	22852	MEAN	104.3	MAX	233.0	MIN	0.000	AC-FT	45330

# PLATTE RIVER BASIN

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## (LOUP RIVER)

### DAVIS CREEK RESERVOIR from Calamus Reservoir via Mirdan Canal, 06789400

LOCATION.--NW1/4SW1/4 Section 30-17-12 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1992 to present

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of irrigation pool	2076.0	31,158
Top of inactive pool	2003.0	172
Top of dead storage pool	1998.5	76

### STORAGE ( AC-FT ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	10050	9850	9560	9340	9190	9030	8870	12000	20000	26920	24760	16310
2	10040	9840	9550	9330	9180	9020	8860	12360	20230	27070	24440	15720
3	10030	9820	9540	9320	9180	9010	8850	12670	20430	27220	23670	15280
4	10020	9810	9530	9320	9180	9010	8850	13030	20650	27390	23170	14720
5	10010	9790	9530	9320	9180	9000	8840	13370	20890	27520	22580	14180
6	10010	9780	9520	9310	9170	9000	8820	13820	21150	27590	22100	13480
7	10010	9780	9510	9300	9170	8990	8820	14120	21380	27670	21780	12940
8	10000	9770	9510	9300	9160	8990	8800	14410	21600	27520	21290	12460
9	9990	9750	9500	9300	9150	8980	8790	14650	21830	27530	20850	11770
10	9980	9740	9490	9300	9130	8980	8790	14840	22060	27540	20490	11530
11	9980	9720	9480	9300	9120	8980	8780	15030	22310	27580	20140	11070
12	9980	9700	9470	9300	9120	8970	8780	15240	22570	27540	19900	10420
13	9980	9700	9460	9290	9130	8960	8770	15470	22820	27470	20020	10000
14	9980	9690	9460	9280	9130	8960	8770	15660	23090	27560	20230	9580
15	9970	9680	9450	9280	9120	8950	8800	15870	23300	27700	20550	9380
16	9970	9680	9440	9280	9120	8940	8800	16070	23500	27880	20730	9380
17	9970	9680	9430	9270	9120	8930	8790	16290	23730	28030	20820	9180
18	9970	9670	9420	9260	9110	8930	8780	16530	23930	28170	20950	9230
19	9950	9670	9420	9260	9110	8920	8780	16770	24120	28230	21080	9290
20	9930	9660	9420	9260	9110	8920	8780	17060	24460	28150	21070	9360
21	9910	9650	9410	9260	9110	8910	8780	17330	25010	27860	21060	9400
22	9890	9640	9400	9250	9100	8900	8960	17600	25230	27450	21040	9510
23	9900	9630	9390	9250	9090	8890	9260	17820	25430	27260	20860	9580
24	9890	9620	9380	9240	9080	8880	9530	18090	25580	27140	20630	9640
25	9890	9620	9380	9240	9080	8880	9920	18420	25750	26960	20270	9670
26	9890	9610	9370	9240	9060	8880	10210	18670	25920	26650	19690	9720
27	9880	9600	9360	9230	9050	8870	10570	18910	26150	26240	19090	9770
28	9860	9590	9360	9210	9040	8870	10920	19150	26290	25670	18640	9830
29	9860	9580	9360	9210	---	8860	11330	19370	26510	25350	17910	9830
30	9860	9570	9360	9210	---	8860	11650	19560	26760	25180	17400	9810
31	9850	---	9350	9200	---	8870	---	19820	---	24960	16760	---
MEAN	9952	9696	9445	9273	9125	8940	9242	16130	23420	27190	20770	11070
MAX	10050	9850	9560	9340	9190	9030	11650	19820	26760	28230	24760	16310
MIN	9850	9570	9350	9200	9040	8860	8770	12000	20000	24960	16760	9180
CAL	YEAR	2010	TOTAL	4813050	MEAN	13190	MAX	29350	MIN	8260		
WTR	YEAR	2011	TOTAL	5011230	MEAN	13730	MAX	28230	MIN	8770		

# PLATTE RIVER BASIN (LOUP RIVER)

## FULLERTON CANAL from Davis Creek Reservoir, 00054700

LOCATION.--SW1/4SW1/4 Sec. 30-17-12 W.

GAGE.--Continuous stage recorder

PERIOD OF RECORD.--1992 to present

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	56	64	256	330
2	---	---	---	---	---	---	0.00	0.00	57	73	348	328
3	---	---	---	---	---	---	0.00	0.00	57	85	389	323
4	---	---	---	---	---	---	0.00	0.00	58	94	396	320
5	---	---	---	---	---	---	0.00	0.00	58	95	394	318
6	---	---	---	---	---	---	0.00	0.00	59	144	367	316
7	---	---	---	---	---	---	0.00	0.00	59	196	342	317
8	---	---	---	---	---	---	0.00	0.00	58	161	341	317
9	---	---	---	---	---	---	0.00	32	58	135	344	319
10	---	---	---	---	---	---	0.00	55	58	136	336	320
11	---	---	---	---	---	---	0.00	58	57	141	334	321
12	---	---	---	---	---	---	0.00	58	57	160	217	322
13	---	---	---	---	---	---	0.00	54	57	185	107	281
14	---	---	---	---	---	---	0.00	52	61	126	109	188
15	---	---	---	---	---	---	0.00	52	67	70	110	56
16	---	---	---	---	---	---	0.00	54	67	70	110	10
17	---	---	---	---	---	---	0.00	49	67	84	110	8.7
18	---	---	---	---	---	---	0.00	45	67	97	110	7.2
19	---	---	---	---	---	---	0.00	45	68	143	111	5.8
20	---	---	---	---	---	---	0.00	46	68	230	111	4.3
21	---	---	---	---	---	---	0.00	45	66	270	111	3.2
22	---	---	---	---	---	---	0.00	45	64	216	123	2.2
23	---	---	---	---	---	---	0.00	46	63	188	153	1.4
24	---	---	---	---	---	---	0.00	47	63	187	198	0.73
25	---	---	---	---	---	---	0.00	47	63	232	263	0.24
26	---	---	---	---	---	---	0.00	47	64	317	319	0.03
27	---	---	---	---	---	---	0.00	47	64	331	341	---
28	---	---	---	---	---	---	0.00	52	51	291	339	---
29	---	---	---	---	---	---	0.00	56	47	252	338	---
30	---	---	---	---	---	---	0.00	56	51	224	335	---
31	---	---	---	---	---	---	---	56	---	224	333	---
TOTAL	0	0	0	0	0	0	0	1144	1810	5221	7795	4419.8
MEAN	0.000	---	---	---	---	---	0.000	36.9	60.4	168.4	251.4	170.1
MAX	0.00	---	---	---	---	---	0.00	58	68	331	396	330
MIN	0.00	---	---	---	---	---	0.00	0.00	47	64	107	0.03
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2269	3590	10360	15460	8767
CAL	YEAR	2010	TOTAL	19558	MEAN	71.4	MAX	392.0	MIN	0.000	AC-FT	38790
WTR	YEAR	2011	TOTAL	20390	MEAN	113.3	MAX	396.0	MIN	0.000	AC-FT	40440

# PLATTE RIVER BASIN (LOUP RIVER)

## CALAMUS RIVER near Burwell, 06787500

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

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

GAGE.--Continuous stage recorder. Gage datum is 2,152.48 feet above sea level.

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

REMARKS.--Record published by the USGS up to Oct. 1, 1995. Records are fair, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 872 cubic feet per second April 15, gage height 4.24 feet; minimum daily discharge 48 cubic feet per second March 6.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	62	67	69	285	341	429	280	128	75	675	283	333
2	60	69	69	287	324	396	284	132	71	661	282	334
3	61	66	70	287	311	395	294	132	73	419	282	333
4	63	66	68	291	311	220	390	131	95	408	282	333
5	62	67	69	295	313	54	368	133	115	370	283	319
6	61	68	67	306	323	48	332	131	111	347	296	313
7	61	68	64	322	364	215	353	131	106	354	302	120
8	66	68	64	330	381	374	354	129	92	397	301	241
9	67	65	63	332	347	372	353	131	88	371	301	312
10	69	62	64	329	324	375	355	128	85	336	302	315
11	69	63	63e	322	323	334	385	132	83	316	310	319
12	70	62	138e	300	328	299	409	133	83	341	358	318
13	68	60	175e	289	347	300	428	138	93	415	415	319
14	65	62	51	301	349	300	471	133	94	446	424	320
15	65	63	64	311	348	300	689	128	95	506	384	323
16	63	61	63	313	350	301	787	126	94	486	369	342
17	65	61	62	312	348	300	803	130	101	401	339	359
18	69	63	62	321	350	321	754	128	96	316	334	364
19	64	61	62	328	348	339	507	131	101	342	335	365
20	57	62	128	332	348	335	533	132	97	360	329	361
21	57	62	188	337	347	339	336	127	119	315	334	362
22	58	61	247	337	349	329	298	128	113	314	358	357
23	59	63	288	338	347	301	298	126	93	313	338	354
24	64	63	286	338	348	299	295	129	92	314	304	353
25	60	62	285	339	348	354	238	137	95	318	305	355
26	57	62	287	341	349	392	135	110	105	315	320	355
27	61	63	285	348	346	390	133	94	202	312	321	353
28	64	63	285	350	403	333	130	83	453	306	323	350
29	66	66	286	347	---	281	131	83	622	290	322	348
30	66	70	284	348	---	280	136	85	690	285	333	317
31	67	---	286	346	---	280	---	83	---	285	336	---
TOTAL	1966	1919	4542	9962	9615	9585	11259	3802	4432	11634	10105	9847
MEAN	63.4	63.9	146.6	321.3	343.4	309.1	375.2	122.6	147.7	375.2	325.9	328.4
MAX	70	70	288	350	403	429	803	138	690	675	424	365
MIN	57	60	51	285	311	48	130	83	71	285	282	120
AC-FT	3900	3806	9009	19760	19070	19010	22330	7541	8791	23080	20040	19530
CAL	YEAR	2010	TOTAL	104057	MEAN	285.1	MAX	1630	MIN	32.0	AC-FT	206400
WTR	YEAR	2011	TOTAL	88668	MEAN	242.9	MAX	803.0	MIN	48.0	AC-FT	175900

e indicates estimated discharge.



# PLATTE RIVER BASIN (LOUP RIVER)

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

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	0.00	0.00	0.00	36	39	112	90
2	---	---	---	---	---	0.00	0.00	0.00	37	38	109	94
3	---	---	---	---	---	0.00	0.00	54	35	38	111	97
4	---	---	---	---	---	0.00	0.00	107	38	40	112	100
5	---	---	---	---	---	0.00	0.00	39	39	51	113	97
6	---	---	---	---	---	0.00	0.00	40	37	49	115	95
7	---	---	---	---	---	0.00	0.00	40	40	61	115	79
8	---	---	---	---	---	0.00	0.00	40	55	62	111	72
9	---	---	---	---	---	0.00	0.00	41	54	57	113	63
10	---	---	---	---	---	0.00	0.00	41	55	54	112	63
11	---	---	---	---	---	0.00	0.00	42	52	74	111	63
12	---	---	---	---	---	0.00	0.00	44	53	85	97	57
13	---	---	---	---	---	0.00	0.00	44	53	75	73	48
14	---	---	---	---	---	0.00	0.00	44	54	74	76	49
15	---	---	---	---	---	0.00	0.00	43	55	90	81	50
16	---	---	---	---	---	0.00	0.00	43	52	94	85	44
17	---	---	---	---	---	0.00	0.00	43	53	90	96	37
18	---	---	---	---	---	0.00	0.00	45	50	99	97	35
19	---	---	---	---	---	0.00	0.00	46	51	102	101	15
20	---	---	---	---	---	0.00	0.00	50	54	105	103	0.00
21	---	---	---	---	---	0.00	0.00	43	47	104	105	0.00
22	---	---	---	---	---	0.00	0.00	37	36	102	96	0.00
23	---	---	---	---	---	0.00	0.00	38	37	104	100	0.00
24	---	---	---	---	---	0.00	0.00	30	43	102	91	0.00
25	---	---	---	---	---	0.00	0.00	32	41	104	98	0.00
26	---	---	---	---	---	0.00	0.00	29	42	106	94	0.00
27	---	---	---	---	---	0.00	0.00	34	43	107	91	0.00
28	---	---	---	---	---	0.00	0.00	37	41	105	92	0.00
29	---	---	---	---	---	0.00	0.00	39	41	108	93	0.00
30	---	---	---	---	---	0.00	0.00	39	41	107	94	0.00
31	---	---	---	---	---	0.00	---	40	---	109	90	---
TOTAL	0	0	0	0	0	0	0	1244	1365	2535	3087	1248
MEAN	0.000	---	---	---	---	0.000	0.000	40.1	45.5	81.8	99.5	41.6
MAX	0.00	---	---	---	---	0.00	0.00	107	55	109	115	100
MIN	0.00	---	---	---	---	0.00	0.00	0.00	35	38	73	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2467	2707	5028	6123	2475
CAL	YEAR	2010	TOTAL	9118	MEAN	49.6	MAX	124.0	MIN	0.000	AC-FT	18080
WTR	YEAR	2011	TOTAL	9479	MEAN	44.1	MAX	115.0	MIN	0.000	AC-FT	18800

# PLATTE RIVER BASIN

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## (LOUP RIVER)

### NORTH LOUP RIVER at Ord, 06788500

LOCATION.--SW1/4NW1/4 Sec. 22-19-14 W., Valley County, Lat. 41° 36' 27", Long. 98° 55' 17", on right bank 150 feet downstream from bridge on State Highway 70 at Ord.

DRAINAGE AREA.--3,760 square miles, of which 702 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is 2,012.14 feet above sea level.

PERIOD OF RECORD.--Nov. 1936 - Sep. 1938, (published as "near Ord"), June 1952 - present

REMARKS.--Record published by the USGS up to Oct. 1, 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 18,800 cubic feet per second June 12, 2010, gage height 6.85 feet; minimum daily discharge 100 cubic feet per second January 3, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharge 4,920 cubic feet per second October 24, gage height 3.90 feet; minimum daily discharge 464 cubic feet per second November 26.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	781	1120	562	768e	555e	1260	1100	959	1120	1530	786	817
2	774	1080	712	887e	531e	1430	1180	849	833	1500	766	811
3	822	1020	773	930e	731e	1350	1180	644	809	1340	748	792
4	861	926	773	996e	1030e	1150	1210	667	775	1130	745	782
5	856	892	734	1070e	929e	867	1220	720	806	1060	766	789
6	828	900	719	1200e	782e	912	1030	693	783	987	781	786
7	858	857	833	1150e	619e	916	1040	688	765	987	797	775
8	948	923	840	936e	478e	1150	1020	680	671	1210	789	640
9	955	1010	898	785e	684e	1010	1070	665	631	1130	773	796
10	1020	1050	745	651e	1040e	1080	1150	704	677	1060	778	799
11	1190	1110	517	651e	1300e	1280	1190	704	673	1000	801	801
12	1110	1140	499e	906e	1580e	1290	1350	848	662	1160	908	802
13	1100	1150	546e	1030e	1810e	1290	1320	937	675	1600	1390	808
14	1030	1110	666e	1080e	1800e	1240	1530	908	691	1660	1450	809
15	913	1090	806e	978e	2140e	1260	2050	840	722	1520	1300	807
16	938	1030	884e	943e	2330e	1330	2000	790	734	1520	1160	918
17	990	962	794e	1100e	2300	1370	1760	748	744	1300	1070	1060
18	952	939	592e	875e	1600	1420	1650	744	783	1110	999	1090
19	903	906	652e	595e	1420	1420	1580	818	788	1010	878	1170
20	886	865	850e	634e	1460	1280	1540	863	860	935	819	1150
21	958	798	813e	704e	1310	1260	1440	1190	1220	923	872	1060
22	975	739	646e	682e	1140	1320	1430	1470	1480	897	915	991
23	1070	706	695e	595e	1120	1250	1360	1150	1080	867	865	950
24	3020	635	690e	932e	1150	1190	1240	1160	980	846	821	942
25	1590	792	658e	845e	1230	1130	1620	1960	984	845	796	967
26	1640	464	599e	990e	1040	1150	1220	1600	992	813	805	990
27	1300	474	1070e	1190e	874	1160	1140	1010	1340	814	806	1030
28	1260	614	1040e	1130e	1050	1110	1060	936	1760	843	808	1040
29	1190	616	1050e	1030e	---	932	990	939	1600	834	815	1020
30	1130	589	870e	835e	---	948	960	927	1640	836	821	953
31	1120	---	632e	642e	---	1040	---	1200	---	810	838	---
TOTAL	33968	26507	23158	27740	34033	36795	39630	29011	28278	34077	27666	27145
MEAN	1095	883.5	747.0	895.3	1215	1187	1321	935.8	942.5	1099	892.5	904.7
MAX	3020	1150	1070	1200	2330	1430	2050	1960	1760	1660	1450	1170
MIN	774	464	499	595	478	867	960	644	631	810	745	640
AC-FT	67370	52580	45930	55020	67500	72980	78600	57540	56090	67590	54870	53840
CAL	YEAR	2010	TOTAL	438185	MEAN	1201	MAX	11500	MIN	464.0	AC-FT	869100
WTR	YEAR	2011	TOTAL	368008	MEAN	1008	MAX	3020	MIN	464.0	AC-FT	729900

e indicates estimated discharge.

# PLATTE RIVER BASIN (LOUP RIVER)

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

LOCATION.--NW1/4NE1/4 Sec. 36-19-14 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.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	---	---	---	---	---	0.00	0.00	33	23	126	88
2	0.00	---	---	---	---	---	0.00	0.00	31	37	123	89
3	0.00	---	---	---	---	---	0.00	7.2	30	48	120	91
4	0.00	---	---	---	---	---	0.00	47	29	46	121	87
5	0.00	---	---	---	---	---	0.00	45	31	48	121	89
6	---	---	---	---	---	---	0.00	26	30	49	122	89
7	---	---	---	---	---	---	0.00	26	30	49	120	88
8	---	---	---	---	---	---	0.00	25	28	52	119	86
9	---	---	---	---	---	---	0.00	28	28	49	116	89
10	---	---	---	---	---	---	0.00	30	27	55	113	88
11	---	---	---	---	---	---	0.00	29	29	63	114	90
12	---	---	---	---	---	---	0.00	29	28	68	103	86
13	---	---	---	---	---	---	0.00	26	42	66	84	79
14	---	---	---	---	---	---	0.00	27	53	60	80	81
15	---	---	---	---	---	---	0.00	29	54	57	79	79
16	---	---	---	---	---	---	0.00	32	52	54	82	69
17	---	---	---	---	---	---	0.00	31	55	67	82	62
18	---	---	---	---	---	---	0.00	35	52	79	80	65
19	---	---	---	---	---	---	0.00	36	55	85	80	28
20	---	---	---	---	---	---	0.00	32	52	91	81	0.00
21	---	---	---	---	---	---	0.00	37	36	96	84	0.00
22	---	---	---	---	---	---	0.00	31	25	103	85	0.00
23	---	---	---	---	---	---	0.00	32	26	108	93	0.00
24	---	---	---	---	---	---	0.00	33	24	114	102	0.00
25	---	---	---	---	---	---	0.00	32	24	116	102	0.00
26	---	---	---	---	---	---	0.00	30	24	113	104	0.00
27	---	---	---	---	---	---	0.00	33	25	120	102	0.00
28	---	---	---	---	---	---	0.00	31	26	120	103	0.00
29	---	---	---	---	---	---	0.00	32	24	123	100	0.00
30	---	---	---	---	---	---	0.00	31	24	121	93	0.00
31	---	---	---	---	---	---	---	29	---	123	92	---
TOTAL	0	0	0	0	0	0	0	891.2	1027	2403	3126	1523
MEAN	0.000	---	---	---	---	---	0.000	28.8	34.3	77.5	100.8	50.7
MAX	0.00	---	---	---	---	---	0.00	47	55	123	126	91
MIN	0.00	---	---	---	---	---	0.00	0.00	24	23	79	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1768	2037	4766	6200	3021
CAL	YEAR	2010	TOTAL	7431	MEAN	39.7	MAX	116.0	MIN	0.000	AC-FT	14740
WTR	YEAR	2011	TOTAL	8970	MEAN	47.7	MAX	126.0	MIN	0.000	AC-FT	17790

# PLATTE RIVER BASIN

## (LOUP RIVER)

### MIRA CREEK near North Loup, 06788988

LOCATION.--NW1/4SE1/4 Sec. 27-18-13 W., Valley County, Lat. 41° 30' 09", Long. 98° 47' 47", on left bank near the half section line road running west from Highway 11, 1.4 mile northwest of North Loup.

DRAINAGE AREA.--65.1 Square miles.

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

PERIOD OF RECORD.--1979 - present

REMARKS.--Records published by the USGS up to Oct. 1, 1993. Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 5,890 cubic feet per second June 12, 2010, gage height 12.97 feet; no flow many years.

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,870 cubic feet per second June 21, gage height 9.77 feet; minimum daily discharge 3.2 cubic feet per second September 30.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.8	5.0	6.5	9.6	14e	14	17	13	31	18	21	19
2	3.8	7.3	6.4	11	11	12	15	12	22	17	22	18
3	3.7	5.4	6.3	7.7	10	14	14	12	19	17	20	18
4	3.7	4.8	5.9	7.3	10	13	14	11	18	16	23	16
5	3.6	5.2	6.0	6.7	11	11	12	11	17	15	24	16
6	3.5	5.0	6.2	6.4	20e	13	12	11	17	15	23	13
7	3.4	5.1	5.9	6.2	18	7.3	12	12	15	28	22	11
8	3.3	5.4	5.9	6.3	15	12	12	15	15	28	22	14
9	3.3	6.0	6.7	6.4	16e	15	11	16	16	18	25	12
10	3.8	6.0	7.3	6.0	11	13	12	14	20	15	24	15
11	4.9	6.0	5.2	5.8	11	17	11	14	19	14	24	18
12	4.5	6.0	5.4	5.7	30e	22	11	16	17	15	97	20
13	4.1	6.0	7.7	5.5	75e	19	10	20	15	16	94	21
14	4.2	5.9	7.6	5.8	50e	14	11	20	15	19	28	21
15	4.4	5.8	7.3	7.3	30e	13	31	18	16	20	32	19
16	6.7	5.6	7.0	7.3	27	13	33	17	15	18	22	18
17	4.1	5.6	6.6	7.4	24	14	26	14	15	18	17	11
18	3.9	5.8	6.5	8.8	20	14	21	12	17	16	15	7.6
19	3.9	5.8	6.6	9.2	18	13	19	13	18	16	14	6.3
20	3.7	5.8	6.6	8.7	18	13	19	14	331	19	16	6.1
21	3.7	5.8	6.7	8.2	11	14	18	17	1260	19	17	5.0
22	4.1	5.8	6.1	7.8	16	14	19	15	122	17	20	4.4
23	5.2	5.2	6.7	7.5	16	14	19	13	28	20	22	4.3
24	5.1	5.6	6.7	7.4	12	13	17	13	24	20	22	4.1
25	5.2	5.1	6.7	7.2	11	12	17	94	21	21	19	3.7
26	6.8	6.1	6.6	7.2	16	13	17	75	20	19	23	4.6
27	5.8	5.9	7.1	7.5	16	13	15	32	37	25	21	4.4
28	5.2	6.5	6.6	7.8	13	13	14	24	23	26	21	3.3
29	4.8	5.1	6.7	8.9	---	13	13	22	19	23	26	3.5
30	4.7	4.9	6.6	9.3	---	13	14	21	18	22	24	3.2
31	4.8	---	5.6	10e	---	16	---	38	---	23	24	---
TOTAL	135.7	169.5	201.7	233.9	550	424.3	486	649	2240	593	824	340.5
MEAN	4.4	5.6	6.5	7.5	19.7	13.7	16.1	20.9	74.7	19.1	26.6	11.3
MAX	6.8	7.3	7.7	11	75	22	33	94	1260	28	97	21
MIN	3.3	4.8	5.2	5.5	10	7.3	10	11	15	14	14	3.2
AC-FT	269	336	400	464	1091	842	964	1287	4443	1176	1634	675
CAL	YEAR	2010	TOTAL	12125	MEAN	33.2	MAX	2240	MIN	3.3	AC-FT	24050
WTR	YEAR	2011	TOTAL	6848	MEAN	18.8	MAX	1260	MIN	3.2	AC-FT	13580

e indicates estimated discharge.

# PLATTE RIVER BASIN (LOUP RIVER)

## CEDAR RIVER near Spalding, 06791500

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

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

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

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

REMARKS.--Record published by the USGS up to October 1, 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 6,950 cubic feet per second on June 14, 2010, gage height 8.47 feet; minimum daily discharge 30 cubic feet per second January 30, 1946.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,160 cubic feet per second on June 20, gage height 4.66 feet; minimum daily discharge 127 cubic feet per second November 30.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	185	225	185	156e	174e	196	315	233	387	919	155	172
2	185	217	175	160e	186e	191	331	215	366	757	149	180
3	184	209	159	163e	195e	194	330	205	333	547	147	189
4	187	201	152	175e	209e	193	297	202	295	415	147	180
5	188	196	150	182e	206e	185	270	191	266	332	148	170
6	188	195	151	199e	201e	191	254	186	240	296	149	169
7	188	197	151	194e	193e	188	245	181	219	335	147	167
8	188	194	151	183e	177e	188	232	183	201	313	146	166
9	192	193	153	178e	184e	179	231	188	189	291	143	165
10	191	187	155	171e	200e	189	231	179	199	294	142	168
11	194	182	150e	166e	229e	208	221	178	195	286	141	168
12	194	181	145e	158e	257e	246	216	259	197	337	304	165
13	190	187	148e	180e	305e	270	213	331	190	440	329	163
14	187	185	159e	185e	296	284	211	326	190	425	298	162
15	187	187	151e	166e	289	287	302	269	201	440	326	164
16	186	185	164e	164e	327	287	382	249	195	412	280	179
17	185	180	165e	181e	354	285	413	233	186	365	248	184
18	183	179	157e	167e	337	282	451	218	185	311	216	185
19	182	175	170e	157e	323	279	460	214	198	269	193	181
20	181	173	185e	156e	310	269	416	268	379	229	178	173
21	181	170	182e	171e	275	261	444	313	622	208	174	166
22	182	167	177	169e	248	258	468	305	477	192	173	164
23	191	163	182	153e	218	251	441	277	511	179	166	166
24	207	155	175	157e	212	237	400	271	607	170	161	169
25	249	142	171	159e	195	231	378	416	652	166	158	169
26	277	162	169	176e	205e	233	339	657	603	163	153	172
27	284	161	182	193e	210e	232	313	478	539	164	149	171
28	260	151	185	222e	211	234	291	431	464	161	158	170
29	247	145	179	212	---	247	275	391	550	159	184	168
30	241	127	184	193	---	252	260	370	783	158	188	161
31	234	---	151e	197e	---	279	---	377	---	156	178	---
TOTAL	6298	5371	5113	5443	6726	7306	9630	8794	10619	9889	5828	5126
MEAN	203.2	179.0	164.8	175.6	240.2	235.7	321.0	283.7	354.0	319.0	187.9	170.8
MAX	284	225	185	222	354	287	468	657	783	919	329	189
MIN	181	127	145	153	174	179	211	178	185	156	141	161
AC-FT	12490	10650	10140	10800	13340	14490	19100	17440	21060	19610	11560	10170
CAL	YEAR	2010	TOTAL	99573	MEAN	272.8	MAX	5250	MIN	127.0	AC-FT	197500
WTR	YEAR	2011	TOTAL	86143	MEAN	236.0	MAX	919.0	MIN	127.0	AC-FT	170900

e indicates estimated discharge.

# PLATTE RIVER BASIN (LOUP RIVER)

## CEDAR RIVER near Fullerton, 06792000

LOCATION.--SE1/4SE1/4 Sec. 33-17-6 W., Nance County, Lat. 41° 23' 41", Long. 98° 00' 13", on left upstream bank near county bridge, 3 miles northwest of Fullerton and 7.4 miles upstream from mouth.

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

GAGE.--Continuous stage recorder. Datum of gage is 1,636.39 feet above sea level.

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

REMARKS.--Record published by the USGS through Sep. 1995. Records are good, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,810 cubic feet per second May 21, gage height 6.43 feet; minimum daily discharge 152 cubic feet per second August 11.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	250	320	236	214e	255e	349	436	532	706	682	201	186
2	247	314	275	250e	270e	338	471	496	613	740	179	211
3	230	294	324	272e	336e	333	489	471	576	647	178	216
4	238	286	340	299e	501e	348	500	449	548	570	168	210
5	258	283	312	318e	533e	363	465	437	487	502	168	214
6	249	278	289	354e	511e	358	438	432	434	446	228	208
7	250	265	304	425e	487e	371	423	428	398	850	179	211
8	242	270	287	383e	439e	359	419	410	368	568	176	200
9	240	278	303	352e	464e	350	411	410	336	479	202	198
10	220	261	302	333e	546e	342	409	418	331	412	172	222
11	245	254	254	332e	646e	340	410	415	310	412	152	170
12	267	268	191e	264e	756e	356	408	477	295	420	453	192
13	264	268	191e	325e	829e	364	406	562	304	453	629	202
14	257	270	237e	354e	813e	378	410	601	315	554	412	203
15	257	278	261e	401e	913e	378	496	647	352	556	420	193
16	254	289	212e	401e	945e	391	543	561	348	512	517	208
17	237	288	200e	411e	866e	398	622	513	316	486	354	215
18	243	286	189e	360e	777e	387	617	489	308	452	308	222
19	262	285	231e	322e	680e	380	616	485	269	417	288	223
20	256	286	253e	306e	544	363	626	551	528	367	275	224
21	243	282	239e	351e	459	363	586	1500	750	386	258	216
22	242	282	211e	331e	378	366	576	704	489	363	249	219
23	248	291	230e	281e	359	366	604	717	537	326	225	219
24	245	302	214e	244e	356	364	559	630	543	303	197	225
25	276	293	195e	281e	360	361	546	1070	593	279	178	227
26	334	234	237e	351e	332e	363	575	907	643	252	178	234
27	349	288	250e	385e	352e	369	556	861	717	267	164	234
28	376	331	280e	433e	359	374	568	711	615	262	159	222
29	353	327	280e	394e	---	392	566	774	530	233	167	217
30	338	309	246e	329e	---	383	553	704	540	217	187	215
31	330	---	208e	279e	---	399	---	833	---	200	195	---
TOTAL	8300	8560	7781	10335	15066	11346	15304	19195	14099	13613	7816	6356
MEAN	267.7	285.3	251.0	333.4	538.1	366.1	510.1	619.1	470.0	439.1	252.1	211.9
MAX	376	331	340	433	945	399	626	1500	750	850	629	234
MIN	220	234	189	214	255	333	406	410	269	200	152	170
AC-FT	16460	16980	15430	20500	29880	22500	30360	38070	27960	27000	15500	12610
CAL	YEAR	2010	TOTAL	158584	MEAN	434.5	MAX	5640	MIN	154.0	AC-FT	314500
WTR	YEAR	2011	TOTAL	137771	MEAN	377.5	MAX	1500	MIN	152.0	AC-FT	273300

e indicates estimated discharge.

# PLATTE RIVER BASIN

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## (LOUP RIVER)

### LOUP RIVER POWER CANAL RETURN at Columbus, 00082100

LOCATION.--SE1/4SW1/4 Sec. 23-17-1 E., Platte County, Lat. 41° 25' 27", Long. 97° 16' 56", on the left bank 75 feet upstream from the 8th Street bridge over the power canal return near the southeast edge of Columbus and 4.5 miles east of U.S. Highway 81.

GAGE.--Continuous stage recorder. Gage datum is 1,400.91 feet above sea level.

PERIOD OF RECORD.--October 1, 2002 - present

REMARKS.--Records are good except estimated records and records below 200 cubic feet per second are poor, and records between 200 and 1,200 cubic feet per second are fair.

EXTREMES FOR CURRENT YEAR.--Peak discharge 5,770 cubic feet per second June 21, gage height 13.53 feet; minimum daily discharge 50 cubic feet per second December 7.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2110	2480	54	640	1450	1440	2990	2510	2990	2360	1730	1870
2	1930	2490	153	518	812	922	2760	2630	3100	2750	1330	1620
3	1830	2600	137	729	1180	1700	2980	2510	3020	2840	1230	1660
4	2090	2660	410	1070	1170	1100	2890	2040	2700	2710	1320	1820
5	1600	2260	137	762	1020	1450	2940	1870	2780	2550	1380	1770
6	2020	2260	57	939	972	1660	2950	1700	2660	2580	1500	1950
7	1710	2910	50	1200	1090	521	2650	1520	2300	2700	1420	2330
8	1920	2360	234	1490	1550	706	2450	1520	2220	2840	1400	1980
9	1940	2240	684	1590	1700	1920	2800	1980	2440	2730	834	1840
10	1720	2350	1970	367	1580	1350	2930	1840	1780	2530	1300	1400
11	2070	2510	473	825	1580	1820	2950	1740	2310	2500	1630	1640
12	2070	3160	153	1240	1460	1870	2710	2040	2170	2670	2020	1580
13	2030	2670	132	1310	1890	1970	2660	2770	2120	2330	2200	1800
14	1890	2630	287	1210	2020	1960	2680	3130	2050	2700	1960	1720
15	2100	2670	538	1580	2100	2220	3100	2630	2040	2850	1930	1850
16	2100	2060	1320	1410	1980	2450	2880	2650	2070	2780	1850	1910
17	2200	2190	2510	1530	2020	3010e	2700	1830	2160	2770	1870	1940
18	2080	2180	2000	1620	2110	2240	2940	2280	2080	2330	1900	2070
19	2480	2470	1960	1500	2110	2620e	2820	2330	1910	2460	2100	2190
20	2300	2420	1680	1640	2090	2450e	2920	2570	2430	2280	2100	2150
21	2280	2700	1750	2010	365	2470	2670	2670	3290	2340	1950	2290
22	2260	2770	1850	1810	80	2720	2840	2890	3560	1720	1690	1890
23	2310	1940	1810	1640	71	3060	2900	2900	2770	1850	1910	1950
24	2310	90	2070	1740	386	2750	2940	2680	2750	1720	1900	2090
25	2520	59	1990	1850	298	2680	2970	2860	2690	1410	1740	2110
26	2670	55	1430	1900	708	2770	2830	2950	2890	1390	1540	2030
27	2610	54	1760	1770	811	3510	3030	2970	2870	1600	1810	2000
28	2620	519	1640	1950	617	2790	2540	3020	3110	1720	1540	1960
29	2690	1330	1620	1810	---	2690	2610	2800	2740	1620	1510	1920
30	2570	80	946	2010	---	2300e	2180	3020	2420	1850	1580	1780
31	2500	---	1030	2140	---	1740e	---	2910	---	1770	1530	---
TOTAL	67530	59167	32835	43800	35220	64859	84210	75760	76420	71250	51704	57110
MEAN	2178	1972	1059	1413	1259	2092	2807	2445	2547	2298	1668	1903
MAX	2690	3160	2510	2140	2110	3510	3100	3130	3560	2850	2200	2330
MIN	1600	54	50	367	71	521	2180	1520	1780	1390	834	1400
AC-FT	133900	117400	65130	86880	69860	128600	167000	150300	151600	141300	102600	113300
CAL	YEAR	2010	TOTAL	779742	MEAN	2136	MAX	3360	MIN	50.0	AC-FT	1547000
WTR	YEAR	2011	TOTAL	719865	MEAN	1972	MAX	3560	MIN	50.0	AC-FT	1428000

e indicates estimated discharge.

# PLATTE RIVER BASIN

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## (LOUP RIVER)

### BEAVER CREEK at Loretto, 06793500

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

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

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

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

REMARKS.--Record published by the USGS up to October 1, 1991. Records are good, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 711 cubic feet per second May 26, gage height 4.86 feet; minimum daily discharge 56 cubic feet per second estimated October 1, 2, 6, 7, 9-11.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	56	70	84e	69e	68e	137e	190	122	230	116	63	71
2	56	71	91e	66e	67e	130	191	112	202	103	61	70
3	58	71	96e	70e	68e	124	170	107	173	97	61	76
4	58	70	93e	71e	70e	127	146	103	151	93	60	74
5	58	71	88e	71e	74e	124	132	98	133	90	61	72
6	56	73	85e	73e	77e	123	123	95	119	91	66	69
7	56	73	86e	73e	77e	126	116	92	106	93	85	67
8	57	72	88e	72e	74e	122	112	93	97	105	84	65
9	56	73	88e	73e	71e	119	112	91	92	114	79	64
10	56	73	85e	74e	72e	120	112	87	93	115	73	64
11	56	74	82e	74e	76e	130	108	84	93	113	73	64
12	57	76	77e	76e	82e	170	106	100	92	137	156	63
13	57	78	72e	76e	93e	175	103	137	91	173	169	62
14	57	79	70e	76e	97e	160	102	152	89	170	118	62
15	58	80	70e	77e	107e	161	132	128	91	169	110	64
16	57	80	72e	77e	132e	163	197	115	91	158	189	69
17	57	81	72e	77e	149e	161	188	104	83	140	149	72
18	57	82	71e	76e	157e	153	172	95	79	124	115	70
19	58	82	70e	77e	162e	145	177	93	77	108	97	68
20	58	82	70e	78e	165e	140	185	121	90	95	88	64
21	59	81	73e	78e	152e	141	177	305	206	90	83	62
22	60	82	73e	76e	126e	137	163	303	204	82	86	62
23	62	83	73e	71e	146e	134	154	238	188	78	81	63
24	63	81	74e	70e	161e	129	143	173	165	74	78	63
25	66	76e	75e	76e	137e	125	135	301	136	72	74	63
26	79	73e	76e	77e	85e	125	138	580	122	71	72	62
27	76	78e	76e	76e	105e	128	139	591	152	69	71	63
28	71	100e	77e	79e	135e	130	135	391	163	69	71	63
29	70	96e	76e	81e	---	137	129	302	154	67	72	62
30	69	90e	70e	77e	---	145	126	236	136	67	70	62
31	69	---	69e	72e	---	173	---	238	---	66	71	---
TOTAL	1883	2351	2422	2309	2985	4314	4313	5787	3898	3209	2786	1975
MEAN	60.7	78.3	78.1	74.5	106.7	139.1	143.7	186.6	129.9	103.5	90.0	65.8
MAX	79	100	96	81	165	175	197	591	230	173	189	76
MIN	56	70	69	66	67	119	102	84	77	66	60	62
AC-FT	3735	4663	4804	4580	5921	8557	8555	11480	7732	6365	5526	3917
CAL	YEAR	2010	TOTAL	52870	MEAN	144.8	MAX	2330	MIN	28.0	AC-FT	104900
WTR	YEAR	2011	TOTAL	38232	MEAN	104.7	MAX	591.0	MIN	56.0	AC-FT	75830

e indicates estimated discharge.



# PLATTE RIVER BASIN (LOUP RIVER)

## LOUP RIVER at Columbus, 06794500

LOCATION.--SW1/4NW1/4 Sec. 30-17-1 E., Platte County, Lat. 41° 25' 02", Long. 97° 22' 04", on the U.S. Highway 30 & 81 bridge walkway over the Loup River at Columbus, NE.

DRAINAGE AREA.--15,200 square miles, approximately 6,230 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is 1,428.29 feet above sea level, datum of 1929.

PERIOD OF RECORD.--Oct. 1894 - Sep. 1915 (Published as "near Columbus" 1900 - 1901), March - Sep. 1931, Oct. 1933 - Sep. 30, 1978. Monthly discharge for some periods, published in USGS WSP 1310; Operated by Nebraska Department of Natural Resources 2009 - present.

REMARKS.--Record published by the USGS through September, 1978. Records are good, except estimated records are poor. Natural flow of the river is affected by power development, ground water withdrawals and diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 119,000 cubic feet per second August 14, 1966, gage height 14.42 feet, from USGS rating curve extended above 52,100 cubic feet per second by logarithmic plotting and volumetric study; minimum daily discharge 9.4 cubic feet per second July 30, 1974.

EXTREMES FOR CURRENT YEAR.--Peak discharge 11,400 cubic feet per second May 26, gage height 7.11 feet; minimum daily discharge 183 cubic feet per second estimated August 3.

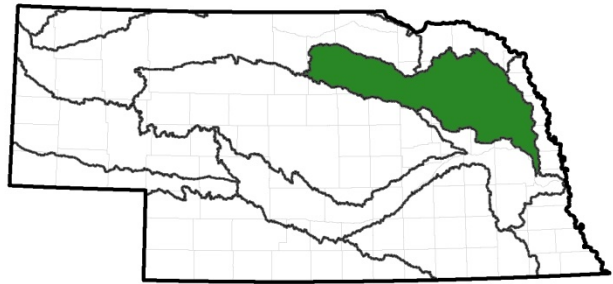
### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	311	332	1750e	2750e	1160e	2000e	1010	447	1920	1580	241	396
2	254	315	1780e	2570e	2050	1950e	1040	421	2340	1400	203	436
3	211	315	2070e	2380e	1900	1910e	865	414	1400	1320	183	457
4	191	286	2520e	2050e	1730e	1730e	740	490	804	1290	226	384
5	186	278	2880e	1860e	1780e	1390e	1070	498	727	1060	280	329
6	300	343	2360e	2020e	1550e	1160e	969	362	734	795	238	337
7	282	331	2730e	2390e	1430e	1010e	658	464	658	2560	264	330
8	271	267	2970e	2780e	1370e	797e	418	619	702	3500	222	341
9	247	267	2910e	3130e	1250e	850	667	584	454	1680	233	295
10	287	274	1170e	3430e	1130e	869e	680	491	484	1200	551	294
11	373	313	833e	3520e	1080e	2320e	445	445	485	1060	419	290
12	394	314	2730e	3360e	1250e	2530e	566	658	457	922	692	296
13	639	335	3270e	3210e	1910e	1930e	752	1300	468	725	3580	306
14	779	330	2790e	3040e	2520e	1530e	484	1860	446	776	1870	288
15	475	314	2630e	2840e	3310e	1290e	1080	1290	562	3750	1740	269
16	419	439	2750e	2970e	4220e	1080e	2760	913	491	2320	2210	291
17	354	727	2820e	3090e	5640e	748	1620	553	450	1800	1830	256
18	313	976	2840e	2910e	6110e	1120	1300	482	447	1430	1320	215
19	292	553	2870e	2790e	6230e	1050	1550	461	461	1090	937	241
20	291	449	2970e	2720e	6070e	1030	1860	602	913	768	500	276
21	278	488	3070e	2590e	5510e	1150	1810	2800	4680	519	326	229
22	275	525	2680e	2470e	4990e	1320	1400	2690	5450	789	340	220
23	253	510e	1860e	2400e	4580e	1080	1590	1790	2610	506	350	220
24	241	546e	2290e	2360e	4390e	1280	1650	1780	2080	342	354	211
25	266	1140e	2950e	2270e	3690e	1070	1480	1520	1410	326	310	193
26	729	492e	3320e	2140e	2210e	839	1250	9400	1150	305	304	195
27	596	404e	3310e	2000e	1830e	983	1090	5040	1630	356	308	450
28	714	690e	2930e	1860e	2050e	1080	749	2830	1710	357	381	429
29	669	959e	2680e	1690e	---	1040	558	1800	2230	355	356	389
30	576	2040e	2930e	1480e	---	1100	524	1820	2030	283	377	330
31	392	---	2990e	1240e	---	907	---	1650	---	314	343	---
TOTAL	11858	15552	80653	78310	82940	40143	32635	46474	40383	35478	21488	9193
MEAN	382.5	518.1	2602	2526	2962	1295	1087	1499	1346	1144	693.1	306.5
MAX	779	2040	3320	3520	6230	2530	2760	9400	5450	3750	3580	457
MIN	186	267	833	1240	1080	748	418	362	446	283	183	193
AC-FT	23520	30850	160000	155300	164500	79620	64730	92180	80100	70370	42620	18230
CAL	YEAR	2010	TOTAL	617095	MEAN	1691	MAX	29500	MIN	186.0	AC-FT	1224000
WTR	YEAR	2011	TOTAL	495107	MEAN	1356	MAX	9400	MIN	183.0	AC-FT	982000

e indicates estimated discharge.

# PLATTE RIVER BASIN (ELKHORN RIVER)

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# PLATTE RIVER BASIN (ELKHORN RIVER)

## ELKHORN RIVER near Atkinson, 06796973

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

DRAINAGE AREA.--Undetermined.

GAGE.--Continuous stage recorder. Gage datum is 2,043.49 feet above sea level, NGVD 1929 from a survey by the Nebraska Department of Natural Resources in June, 2009.

PERIOD OF RECORD.--1982 - present

REMARKS.--Published by the USGS up to October 1, 1991. Records are fair to good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 6,790 cubic feet per second June 14, 2010, gage height 10.27 feet; minimum daily discharge 0.15 cubic feet per second August 31, 2000.

EXTREMES FOR CURRENT YEAR.--Peak discharge 3,110 cubic feet per second June 22, gage height 8.83 feet; minimum daily discharge 30 cubic feet per second estimated February 2.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	45	113	49e	45e	36e	96e	457	246	1090	1170	79	57
2	44	104	59e	49e	30e	98e	510	209	953	922	72	52
3	43	96	62e	52e	40e	107e	427	189	764	738	66	49
4	43	84	67e	62e	56e	105e	324	170	616	629	64	47
5	43	79	66e	71e	66e	100e	265	154	494	536	61	45
6	44	77	66	86e	68e	97e	229	141	410	464	60	44
7	43	75	61	87e	54e	95e	193	132	328	464	57	41
8	44	73	60	75e	34e	98e	177	124	250	504	64	39
9	44	70	57	63e	47e	97	164	119	205	443	62	37
10	42	67	57	48e	62e	99	155	108	192	365	61	36
11	43	63	47e	39e	80e	121	143	102	182	308	58	34
12	43	63	35e	38e	111e	360	132	118	172	386	66	33
13	42	64	35e	45e	139e	522	122	134	165	531	76	32
14	42	64	49e	56e	184e	547	112	142	166	580	81	32
15	42	65	67e	59e	221e	518	179	143	225	541	78	33
16	42	66	74e	59e	264e	528	363	138	233	468	74	38
17	41	65	76e	59e	244e	480	873	129	233	387	70	39
18	41	63	69e	61e	219e	405	1070	118	303	305	68	40
19	40	64	54e	57e	201e	331	1130	112	303	244	65	39
20	41	61	49e	57e	196e	286	1410	114	281	200	61	37
21	41	61	62e	58e	200e	247	1430	144	678	172	62	34
22	41	59	61e	48e	218e	219	1260	162	2420	152	64	33
23	41	59	60e	41e	187e	197	1040	159	2820	138	63	33
24	80	59e	62e	30e	142e	179	791	155	2260	124	59	33
25	162	52e	68e	32e	153e	166	653	164	1910	113	55	32
26	218	72e	79e	43e	167e	163	548	184	1660	103	56	32
27	215	63e	75e	54e	169e	161	470	190	1970	101	54	32
28	190	70	69e	63e	138e	167	414	214	2140	97	55	32
29	162	58	60e	62e	---	178	356	215	1860	94	59	31
30	144	48e	49e	60e	---	194	297	223	1470	89	64	30
31	126	---	46e	47e	---	272	---	692	---	84	63	---
TOTAL	2272	2077	1850	1706	3726	7233	15694	5344	26753	11452	1997	1126
MEAN	73.2	69.3	59.6	55.0	133.1	233.3	523.8	172.5	891.9	369.5	64.5	37.5
MAX	218	113	79	87	264	547	1430	692	2820	1170	81	57
MIN	40	48	35	30	30	95	112	102	165	84	54	30
AC-FT	4506	4120	3669	3384	7390	14350	31130	10600	53060	22710	3961	2233
CAL	YEAR	2010	TOTAL	91050	MEAN	249.5	MAX	6480	MIN	18.0	AC-FT	180600
WTR	YEAR	2011	TOTAL	81230	MEAN	222.5	MAX	2820	MIN	30.0	AC-FT	161100

e indicates estimated discharge.

# PLATTE RIVER BASIN (ELKHORN RIVER)

## SOUTH FORK ELKHORN RIVER near Ewing, 06798000

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

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

GAGE.--Continuous Stage Recorder. Gage datum is 1882.92 feet above sea level NGVD 1929, from a survey in June, 2009 by the Nebraska Department of Natural Resources.

PERIOD OF RECORD.--Oct. 1977 - present

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

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 6,230 cubic feet per second June 14, 2010, gage height 7.77 feet; minimum daily discharge 11 cubic feet per second January 15, 1953.

EXTREMES FOR CURRENT YEAR.--Peak discharge 606 cubic feet per second on June 29, gage height 2.30 feet; minimum daily discharge 31 cubic feet per second January 13

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	45	51	60e	40e	39e	68	103	111	201	352	65	53
2	44	51	67e	37e	36e	64	116	103	206	258	61	53
3	45	49	67e	40e	38e	67	103	107	185	204	58	49
4	46	50	62e	40e	56e	72	93	109	155	162	58	45
5	45	48	59e	45e	59e	73	87	106	135	138	58	44
6	44	50	61e	50e	52e	72	83	104	121	117	61	44
7	44	50	61e	50e	50e	80	82	100	105	219	58	46
8	43	50	62e	49e	49e	82	79	99	90	493	64	46
9	44	48	65e	54e	52e	80	79	100	93	522	59	45
10	44	47	63	53e	62e	76	78	95	103	474	58	43
11	45	46	70e	38e	71e	82	77	92	100	364	57	44
12	45	49	52e	31e	84e	87	80	105	101	332	74	46
13	43	48	46e	31e	93e	98	80	104	101	341	69	44
14	46	48	45e	32e	104e	102	83	103	101	391	73	43
15	46	48	45e	35e	102e	99	102	105	117	379	123	41
16	45	49	49e	37e	80	97	122	101	136	342	96	44
17	45	48	45e	49e	94	94	148	93	151	307	78	44
18	45	49	45e	39e	84	93	174	86	184	251	66	45
19	46	48	46e	37e	76	91	177	87	237	194	61	46
20	46	48	52e	39e	78	87	193	95	243	146	57	45
21	47	49	45e	38e	43e	81	214	120	256	115	60	44
22	47	48	45e	42e	64e	76	199	127	298	98	63	43
23	48	45e	47e	40e	66e	71	176	127	434	87	63	43
24	53	56e	47e	42e	51e	71	173	127	494	78	58	44
25	56	52e	45e	44e	55e	70	153	153	456	79	52	44
26	58	56e	39e	47e	64e	73	144	169	412	75	55	45
27	53	59e	42e	50e	77e	73	137	168	511	73	51	45
28	51	65e	45e	66e	99	74	139	167	571	66	51	47
29	50	65	52e	68e	---	80	134	165	592	67	50	46
30	50	66e	66e	53e	---	82	126	168	521	67	51	45
31	51	---	64e	40e	---	89	---	190	---	64	53	---
TOTAL	1460	1536	1659	1356	1878	2504	3734	3686	7410	6855	1961	1356
MEAN	47.1	51.2	53.5	43.7	67.0	80.8	124.5	118.9	247.0	221.1	63.2	45.2
MAX	58	66	70	68	104	102	214	190	592	522	123	53
MIN	43	45	39	31	36	64	77	86	90	64	50	41
AC-FT	2896	3047	3291	2690	3725	4967	7406	7311	14700	13600	3890	2690
CAL	YEAR	2010	TOTAL	77223	MEAN	211.6	MAX	6150	MIN	39.0	AC-FT	153200
WTR	YEAR	2011	TOTAL	35395	MEAN	97.0	MAX	592.0	MIN	31.0	AC-FT	70200

e indicates estimated discharge.

# PLATTE RIVER BASIN (ELKHORN RIVER)

## ELKHORN RIVER at Neligh, 06798500

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

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

GAGE.--Continuous stage recorder. Gage datum is 1,717.27 feet above sea level, NGVD 1929.

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

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

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 42,500 cubic feet per second June 14, 2010, gage height 15.54 feet; minimum daily discharge 12 cubic feet per second July 1, 1932.

EXTREMES FOR CURRENT YEAR.--Peak discharge 5,820 cubic feet per second June 27, gage height 5.09 feet; minimum daily discharge 99 cubic feet per second estimated November 25.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	221	375	156e	225e	276e	448e	1020	1210	2320	4280	421	340
2	216	343	170e	206e	280e	455e	1210	1160	2470	3450	380	349
3	213	333	186e	217e	286e	491e	1370	1160	2630	2740	344	354
4	215	320	207e	215e	286e	477e	1150	1090	2340	2150	307	335
5	211	304	205e	221e	299e	503e	932	1020	2340	1840	277	303
6	204	297	216e	231e	306e	508e	810	958	2230	1580	268	283
7	192	288	225e	230e	293e	511e	696	901	1900	1650	268	269
8	183	279	222e	208e	283e	543e	610	843	1630	1970	305	262
9	173	270	246e	198e	294e	519e	560	807	1410	2120	291	258
10	173	248	284e	179e	291e	528e	533	763	1370	2060	272	245
11	187	239	304e	181e	315e	762e	501	752	1310	1980	267	232
12	186	262	277e	161e	342e	1000e	466	898	1230	2240	358	224
13	184	278	233e	185e	420e	1180e	429	1010	1130	2270	446	213
14	185	281	235e	186e	566e	1290e	399	1080	1110	2350	420	207
15	191	270	241e	204e	651e	1360e	575	1080	1130	2650	525	201
16	188	266	248e	212e	741e	1370e	978	1070	1170	2490	706	235
17	180	246	250e	242e	817e	1490e	1360	1030	1340	2220	653	254
18	177	230	238e	205e	1060e	1500	1630	952	1340	2110	591	265
19	176	238	266e	210e	1160e	1400	2710	899	1430	1820	624	255
20	177	236e	292e	227e	1140e	1250	3380	929	1530	1520	486	234
21	177	234e	269e	233e	792e	1140	3520	1130	2610	1280	437	206
22	175	221e	254e	251e	504e	1040	3590	1580	2980	1090	414	193
23	178	141e	263e	225e	561e	942	3360	1670	3070	941	393	196
24	193	119e	248e	272e	526e	839	2940	1470	3920	820	374	204
25	242	99e	244e	287e	442e	777	2420	1840	4710	718	351	203
26	450	128e	225e	298e	345e	755	2020	2070	4700	629	359	200
27	475	207e	220e	332e	372e	746	1770	2190	5670	577	377	193
28	497	268	251e	340e	440e	716	1550	2340	5380	525	366	189
29	483	271	258e	309e	---	725	1370	2350	5350	514	354	187
30	457	174e	290e	310e	---	735	1320	2220	5020	489	352	175
31	411	---	242e	298e	---	830	---	2300	---	454	349	---
TOTAL	7570	7465	7465	7298	14088	26830	45179	40772	76770	53527	12335	7264
MEAN	244.3	248.8	240.8	235.5	503.3	865.4	1506	1315	2559	1727	398.0	242.1
MAX	497	375	304	340	1160	1500	3590	2350	5670	4280	706	354
MIN	173	99	156	161	276	448	399	752	1110	454	267	175
AC-FT	15010	14810	14810	14480	27940	53220	89610	80870	152300	106200	24470	14410
CAL	YEAR	2010	TOTAL	365390	MEAN	1001	MAX	37100	MIN	99.0	AC-FT	724700
WTR	YEAR	2011	TOTAL	306563	MEAN	839.9	MAX	5670	MIN	99.0	AC-FT	608100

e indicates estimated discharge.

# PLATTE RIVER BASIN (ELKHORN RIVER)

## ELKHORN RIVER near Tilden, 06798780

LOCATION.--SW1/4NW1/4 Sec. 16-24-4 W., Madison County, Lat. 42° 03' 21", Long. 97° 47' 43", on the left bridge abutment 20 feet downstream from a Madison County maintained hard top road about two miles east and 1/2 mile north of Tilden, NE.

DRAINAGE AREA.--Estimated 2,490 square miles, of which about 1,490 square miles is contributing.

GAGE.--Continuous stage recorder. Gage datum is 1,619.36 feet above sea level NGVD 1929 from Nebraska Department of Natural Resources survey in June, 2009.

PERIOD OF RECORD.--May 25, 2007 - present

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 6,140 cubic feet per second June 28, gage height 8.54 feet; minimum daily discharge 181 cubic feet per second estimated January 28.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	307	479	294e	271e	202e	979	1170	1200e	1900	4460	353	358
2	291	470	275e	273e	207e	1020	1340	1120e	2270	3470	328	359
3	276	458	262e	275e	208e	842	1530	1040e	2310	2650	303	361
4	277	433	253e	277e	211e	970	1370	996e	2120	2200	289	339
5	277	420	247e	278e	227e	864	1240	953	1860	1860	287	316
6	277	427	245e	277e	250e	801	1120	946	1540	1620	286	295
7	274	440	247e	275e	277e	925	1020	925	1310	1540	315	277
8	274	446	252e	273e	315e	815	941	933	1160	1600	319	265
9	266	437	257e	271e	342e	755	893	929	1040	1870	325	258
10	263	415	262e	270e	383e	776	840	898	995	1990	294	253
11	263	402	265e	267e	420e	926	782	882	974	1870	288	247
12	263	413	267e	262e	467e	1200	742	985	958	2170	344	245
13	257	432	267e	255e	528e	1170	714	1050	901	2430	392	234
14	256	417	267e	248e	627e	1330	691	1040	861	2490	406	221
15	258	413	267e	242e	1080e	1460	806	1040	883	2460	404	216
16	260	410	266e	238e	1500e	1430	1130	1050	871	2420	494	233
17	251	396	265e	235e	1800e	1410	1530	1030	957	2370	567	249
18	253	382	265e	233e	1780	1420	1890	1000	985	2140	512	242
19	251	375	265e	233e	1760	1410	2390	979	1020	1670	627	243
20	257	364	265e	231e	1830	1300	2640	1010	1190	1290	499	225
21	258	359	265e	227e	1190	1200	2810	1010	1740	1010	408	208
22	263	397e	264e	219e	712	1140	2860	1070	2710	815	382	203
23	280	250	263e	209e	841	1070	2790	1130	2570	685	375	202
24	297	227e	262e	199e	1080	992	2550e	1110	3650	581	370	206
25	316	278e	262e	192e	685	940	2280e	1310	4880	521	346	207
26	449	329e	262e	187e	442	937	2050e	1980	4870	464	356	209
27	556	367e	263e	183e	613	934	1880e	1760	6010	454	354	209
28	548	379e	264e	181e	743	904	1700e	1580	5820	414	344	210
29	539	357e	265e	182e	---	919	1500e	1480	5560	387	336	206
30	527	322e	267e	186e	---	955	1340e	1480	5200	377	336	198
31	491	---	269e	194e	---	1010	---	1640	---	363	348	---
TOTAL	9875	11694	8159	7343	20720	32804	46539	35556	69115	50641	11587	7494
MEAN	318.5	389.8	263.2	236.8	739.9	1059	1551	1147	2303	1634	373.9	249.8
MAX	556	479	294	278	1830	1460	2860	1980	6010	4460	627	361
MIN	251	227	245	181	202	755	691	882	861	363	286	198
AC-FT	19590	23190	16180	14560	41100	65070	92310	70520	137100	100400	22980	14860
CAL	YEAR	2010	TOTAL	402612	MEAN	1103	MAX	27400	MIN	187.0	AC-FT	798600
WTR	YEAR	2011	TOTAL	311527	MEAN	853.5	MAX	6010	MIN	181.0	AC-FT	617900

e indicates estimated discharge.

# PLATTE RIVER BASIN (ELKHORN RIVER)

## WILLOW CREEK near Foster, 06799080

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

DRAINAGE AREA.--137 square miles.

GAGE.--Continuous stage recorder. Gage datum is 1,650.08 feet above mean sea level, NGVD 1929 from Department of Natural Resources survey in June, 2009.

PERIOD OF RECORD.--1975 - present

REMARKS.--Published by the USGS up to October 1, 1993. Records are good, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 304 cubic feet per second May 26, gage height 7.15 feet; minimum daily discharge 8.4 cubic feet per second estimated September 14.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16	15	19e	14e	12e	30e	60	38	112	87	12	11
2	15	15	22e	14e	11e	21e	56	33	75	57	12	12
3	14	15	22e	14e	15e	19e	48	29	57	33	12	12
4	14	15	22e	15e	20e	21e	41	27	43	26	12	11
5	14	15	20e	15e	23e	22e	36	25	34	23	11	10
6	14	15	19e	14e	18e	18e	31	24	28	21	12	10
7	13	15	18e	15e	15e	23e	29	22	24	20	13	9.9
8	13	15	20e	17e	13e	23e	28	21	21	18	15	9.8
9	13	15	23e	15e	17e	24e	27	20	20	17	14	9.7
10	13	15	19e	14e	19e	26e	27	19	20	16	13	9.6
11	13	15	17e	14e	20e	36e	26	19	20	16	13	9.5
12	13	16	15e	13e	25e	45	25	24	19	30	22	9.4
13	13	16	13e	14e	29e	53	23	33	19	42	18	9.0
14	13	16	11e	15e	43e	56	23	34	19	49	17	8.4
15	13	16	11e	15e	67e	51	50	33	19	65	16	8.9
16	12	16	13e	16e	91e	50	99	31	18	78	15	10
17	12	16	14e	15e	108e	48	183	27	18	59	15	10
18	12	16	14e	14e	220	47	273	24	18	32	14	10
19	13	16	15e	12e	168	47	247	23	18	23	14	9.9
20	13	15	15e	9.5e	116e	47	208	27	21	19	14	9.6
21	13	16	14e	11e	110e	48	174	41	37	17	13	9.4
22	13	17e	15e	15e	90e	49	120	42	40	15	12	9.4
23	13	17e	15e	9.5e	46e	51	78	41	38	15	12	9.6
24	13	17e	17e	8.9e	40e	50	55	37	36	15	11	9.7
25	14	17e	16e	13e	31e	47	45	158	35	14	11	9.6
26	16	14e	16e	14e	21e	45	47	273	40	13	13	9.5
27	15	16e	13e	16e	23e	46	47	189	84	15	12	9.6
28	14	23e	13e	19e	45e	46	44	247	80	15	12	9.6
29	15	20e	16e	20e	---	49	40	262	81	14	11	9.4
30	15	16e	18e	19e	---	52	43	219	86	13	11	9.3
31	15	---	19e	15e	---	56	---	181	---	13	10	---
TOTAL	422	481	514	444.9	1456	1246	2233	2223	1180	890	412	294.8
MEAN	13.6	16.0	16.6	14.5	52.0	40.2	74.4	71.7	39.3	28.7	13.3	9.8
MAX	16	23	23	20	220	56	273	273	112	87	22	12
MIN	12	14	11	8.9	11	18	23	19	18	13	10	8.4
AC-FT	837	954	1020	882	2888	2471	4429	4409	2340	1765	817	585
CAL	YEAR	2010	TOTAL	13807	MEAN	37.8	MAX	496.0	MIN	8.6	AC-FT	27390
WTR	YEAR	2011	TOTAL	11797	MEAN	32.3	MAX	273.0	MIN	8.4	AC-FT	23400

e indicates estimated discharge.

# PLATTE RIVER BASIN

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## (ELKHORN RIVER)

### WILLOW CREEK RESERVOIR from Willow Creek, 00410300

LOCATION.--NW1/4SE1/4 Sec. 33-26-2 W. near Pierce, Pierce County, Lat. 42° 10' 49", Long. 97° 33' 18", two miles southwest of Pierce.

DRAINAGE AREA.--210 square miles.

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

PERIOD OF RECORD.--1983 - present

STORAGE LEVEL	ELEVATION (Feet)	CONTENT (Acre-feet)
Top of flood pool	1637.8	18,780
Top of conservation pool	1625.5	6,890
Top of dead storage pool	1602.0	100

### STORAGE ( AC-FT ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	7248	7138	7112	7198	7191	7561	7580	7687	8374	7745	6883	6622
2	7228	7142	7119	7181	7174	7528	7582	7634	8249	7720	6849	6623
3	7210	7145	7128	7177	7158	7502	7585	7588	8112	7662	6809	6624
4	7192	7138	7136	7176	7142	7487	7559	7541	7979	7591	6773	6608
5	7176	7132	7140	7176	7135	7452	7525	7508	7860	7522	6743	6592
6	7162	7134	7139	7177	7129	7435	7493	7473	7759	7460	6723	6577
7	7155	7131	7140	7179	7123	7434	7462	7436	7663	7407	6716	6565
8	7148	7134	7140	7173	7121	7428	7434	7401	7569	7356	6748	6553
9	7143	7135	7141	7179	7124	7413	7417	7379	7491	7307	6733	6542
10	7137	7138	7146	7199	7128	7393	7412	7358	7450	7260	6714	6528
11	7129	7134	7169	7192	7128	7401	7388	7336	7410	7223	6699	6517
12	7126	7151	7135	7175	7128	7427	7364	7363	7382	7246	6757	6504
13	7118	7157	7111	7165	7137	7447	7331	7374	7374	7295	6778	6484
14	7111	7158	7093	7157	7170	7476	7316	7384	7362	7335	6781	6464
15	7104	7156	7098	7153	7266	7500	7417	7388	7347	7372	6772	6445
16	7096	7156	7116	7152	7480	7517	7590	7393	7314	7420	6768	6442
17	7089	7156	7126	7159	7841	7532	7780	7386	7309	7457	6778	6436
18	7086	7156	7132	7161	8078	7538	7967	7371	7283	7446	6777	6438
19	7088	7152	7136	7167	8222	7537	8198	7353	7262	7400	6770	6436
20	7087	7142	7143	7171	8243	7542	8346	7377	7279	7336	6756	6436
21	7083	7147	7150	7171	8186	7544	8351	7448	7397	7273	6752	6420
22	7082	7150	7153	7177	8041	7556	8320	7514	7444	7224	6747	6407
23	7087	7142	7154	7194	7955	7563	8223	7528	7444	7181	6743	6402
24	7094	7140	7161	7188	7888	7547	8098	7523	7443	7133	6732	6398
25	7106	7130	7165	7182	7787	7542	7987	7686	7439	7093	6709	6395
26	7159	7122	7167	7180	7697	7540	7917	8110	7452	7052	6699	6393
27	7153	7122	7171	7181	7650	7539	7855	8278	7634	7024	6683	6392
28	7129	7126	7165	7183	7601	7535	7800	8311	7746	6995	6669	6392
29	7128	7145	7162	7184	---	7541	7738	8348	7754	6969	6659	6387
30	7125	7137	7183	7187	---	7548	7730	8405	7750	6942	6651	6376
31	7130	---	7202	7194	---	7563	---	8437	---	6911	6638	---
MEAN	7133	7141	7143	7177	7497	7502	7725	7623	7578	7302	6742	6480
MAX	7248	7158	7202	7199	8243	7563	8351	8437	8374	7745	6883	6624
MIN	7082	7122	7093	7152	7121	7393	7316	7336	7262	6911	6638	6376
CAL	YEAR	2010			MEAN	7410	MAX	10200	MIN	6974		
WTR	YEAR	2011			MEAN	7252	MAX	8437	MIN	6376		



# PLATTE RIVER BASIN (ELKHORN RIVER)

## WILLOW CREEK near Pierce, 00232500

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

DRAINAGE AREA.--210 square miles.

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

PERIOD OF RECORD.--1983 - present

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

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 760 cubic feet per second June 14, 2010, gage height 8.06 feet; minimum daily discharge 0.14 cubic feet per second August 3, 2011.

EXTREMES FOR CURRENT YEAR.--Peak discharge 242 cubic feet per second May 30, gage height 5.53 feet; minimum daily discharge 0.14 cubic feet per second August 3.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	30	21	20	24	26	64	67	82	216	85	2.0	3.3
2	28	21	20	22	24	60	67	74	185	82	0.73	3.6
3	27	22	21	22	23	57	69	67	153	73	0.14	4.0
4	25	21	21	22	22	56	66	62	124	64	0.21	4.2
5	24	20	21	22	22	52	60	57	102	55	0.26	4.4
6	23	20	22	22	22	50	56	53	87	48	0.45	4.5
7	22	20	22	22	21	50	52	49	75	42	0.99	4.4
8	22	20	22	22	21	50	49	45	64	37	1.5	4.0
9	22	20	22	22	21	49	47	43	55	33	1.9	3.7
10	21	20	21	24	22	47	46	41	50	30	2.5	3.6
11	21	20	24	24	22	48	44	39	47	27	2.9	3.8
12	21	21	21	22	22	51	41	41	44	29	3.4	3.9
13	20	22	19	22	23	52	39	42	43	32	4.0	4.0
14	19	22	18	21	25	56	37	43	42	36	4.5	4.1
15	19	22	18	21	33	58	47	43	41	39	4.8	4.1
16	18	22	19	21	53	60	68	43	39	44	5.0e	4.3
17	18	22	19	22	102	62	96	43	38	49	5.2	4.2
18	18	22	20	22	146	62	131	42	36	47	5.3	4.2
19	18	22	20	22	177	62	182	40	34	43	5.5	4.2
20	18	21	20	23	182	63	215	42	36	37	5.4	4.2
21	17	22	21	23	169	63	216	49	46	31	5.5	4.1
22	17	22	21	23	138	65	209	57	51	27	5.6	4.0
23	18	21	21	25	122	66	189	58	49	24	5.2	3.9
24	18	21	21	25	111	63	158	58	49	20	4.6	4.0
25	19	21	22	24	95	62	134	78	48	17	4.2	3.9
26	25	20	22	24	82	62	120	154	49	14	4.3	3.9
27	25	20	22	24	76	62	109	194	71	12	4.6	3.9
28	21	20	22	24	69	61	99	201	85	10.0	4.8	3.9
29	21	22	22	25	---	62	89	210	86	8.1	4.8	4.0
30	20	21	23	25	---	63	89	225	86	6.0	4.6	3.9
31	20	---	24	26	---	65	---	232	---	3.6	3.8	---
TOTAL	655	631	651	712	1871	1803	2891	2507	2131	1104.7	108.68	120.2
MEAN	21.1	21.0	21.0	23.0	66.8	58.2	96.4	80.9	71.1	35.6	3.5	4.0
MAX	30	22	24	26	182	66	216	232	216	85	5.6	4.5
MIN	17	20	18	21	21	47	37	39	34	3.6	0.14	3.3
AC-FT	1299	1252	1291	1412	3711	3576	5734	4973	4227	2191	216	238
CAL	YEAR	2010	TOTAL	20118	MEAN	55.1	MAX	697.0	MIN	9.6	AC-FT	39900
WTR	YEAR	2011	TOTAL	15186	MEAN	41.6	MAX	232.0	MIN	0.14	AC-FT	30120

e indicates estimated discharge.

# PLATTE RIVER BASIN (ELKHORN RIVER)

## UNION CREEK at Madison, 06799230

LOCATION.--SW1/4SE1/4 Sec. 32-22-1 W., Madison County, Lat. 41° 49' 52", Long. 97° 27' 19", on left bank 12 feet downstream from bridge on old U.S. Highway 81, in Madison.

DRAINAGE AREA.--173.76 square miles

GAGE.--Continuous stage recorder. Datum of gage is 1549.70 feet, National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1978 - present

REMARKS.--Records published by the USGS up to Oct. 1, 1993. Records are good, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 613 cubic feet per second May 26, gage height 14.16 feet; minimum daily discharge 15 cubic feet per second September 13.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	21	27	29	30	32	40	43	44	93	37	21	18
2	21	26	29	30	32	40	41	41	53	36	20	18
3	22	26	30	30	31	41	40	38	49	36	19	18
4	22	27	30	30	30	42	38	37	49	36	19	19
5	24	26	28	30	30	37	37	37	52	36	19	19
6	22	26	28	30	31	38	36	38	44	36	22	18
7	22	26	28	31	33	40	36	37	41	35	30	18
8	22	27	28	31	34	38	36	37	38	33	23	17
9	21	27	29	31	33	40	36	36	37	32	22	17
10	22	27	30	32	32	39	38	35	38	31	20	16
11	22	27	26	30	33	46	38	36	39	31	19	16
12	22	28	30	30	34	51	36	43	38	44	38	17
13	22	28	29	31	48	45	35	69	37	43	142	15
14	22	29	29	31	118	41	36	80	37	37	31	16
15	22	29	29	31	360	41	65	46	37	33	23	16
16	22	29	29	32	376	44	114	42	39	32	22	17
17	23	29	29	33	316	45	76	39	35	34	22	17
18	25	28	29	32	140	44	57	37	35	28	22	17
19	23	28	29	32	77	41	78	37	35	27	23	17
20	23	27	30	32	71	42	103	46	53	25	29	16
21	24	29	30	32	53	43	57	80	280	153	24	16
22	24	29	29	31	46	44	49	128	110	244	22	16
23	24	28	29	32	46	42	46	65	51	39	20	16
24	25	27	29	32	41	41	44	47	46e	31	19	16
25	27	28	30	32	38	38	46	244	41e	29	19	18
26	28	27	30	32	37	39	57	447	39e	27	19	17
27	28	28	30	33	40	41	55	106	169e	27	19	16
28	26	29	29	33	39	43	46	90	92e	26	19	17
29	25	30	30	33	---	43	42	73	41	24	19	17
30	26	28	33	34	---	44	45	65	38	23	19	17
31	26	---	30	32	---	45	---	149	---	22	19	---
TOTAL	728	830	907	975	2231	1298	1506	2349	1786	1327	804	508
MEAN	23.5	27.6	29.2	31.4	79.7	41.9	50.2	75.8	59.5	42.8	25.9	16.9
MAX	28	30	33	34	376	51	114	447	280	244	142	19
MIN	21	26	26	30	30	37	35	35	35	22	19	15
AC-FT	1444	1646	1799	1934	4425	2575	2987	4659	3542	2632	1595	1008
CAL	YEAR	2010	TOTAL	33631	MEAN	92.1	MAX	3000	MIN	17.0	AC-FT	66710
WTR	YEAR	2011	TOTAL	15249	MEAN	41.8	MAX	447.0	MIN	15.0	AC-FT	30250

e indicates estimated discharge.

# PLATTE RIVER BASIN (ELKHORN RIVER)

## PEBBLE CREEK at Scribner, 06799385

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

DRAINAGE AREA.--203.52 square miles.

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

PERIOD OF RECORD.--1978 - present

REMARKS.--Records published by the USGS up to Oct. 1, 1993. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 30,300 cubic feet per second August 5, 1996, gage height 24.48 feet; minimum daily discharge 0.29 cubic feet per second July 20, 1981.

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,200 cubic feet per second June 20, gage height 12.82 feet; minimum daily discharge 26 cubic feet per second September 13 and 14.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	43e	46	40e	55e	41e	64e	63	64	136	100	55	32
2	43e	47	40e	46e	45e	70e	59	60	125	93	53	30
3	44e	46	56e	61e	49e	65	58	60	117	93	50	39
4	44e	46	54e	77e	50e	63	54	60	108	90	53	40
5	44e	46	50e	78e	49e	60	51	60	107	90	61	35
6	45e	46	51e	77e	46e	60	53	61	103	90	50	30
7	45e	47	47e	77e	46e	61	53	61	93	84	57	29
8	45	47	40e	67e	38e	57	55	60	89	81	55	29
9	45	47	46e	68e	32e	56	58	61	86	78	48	29
10	46	47	53e	67e	33e	52	52	60	108	75	40	28
11	46	46	50e	53e	37e	62	46	60	89	80	39	28
12	47	48	31e	49e	36e	65	44	89	86	104	63	27
13	44	52	41e	54e	37e	57	43	125	85	100	67	26
14	44	49	65e	54e	48e	53	45	95	85	79	43	26
15	43	48	78e	58e	205e	56	106	83	87	76	41	27
16	43	48	82e	59e	607e	59	250	79	81	124	41	28
17	42	47	86e	56e	496e	62	134	75	82	78	42	30
18	44	46	82e	53e	339e	61	104	73	191	70	40	30
19	43	46	79e	47e	130e	58	162	72	92	67	40	30
20	44	46	76e	42e	110e	56	176	961	1250	64	39	28
21	43	46	70e	45e	77e	60	111	380	661	79	38	29
22	44	46	65e	45e	73e	62	100	201	200	90	40	36
23	45	46	65e	43e	63e	67	90	152	152	68	38	28
24	46	49e	65e	48e	65e	56	82	132	135	64	37	29
25	47	41e	65e	48e	57e	58	80	363	125	63	34	30
26	55	36e	66e	49e	51e	64	91	435	136	61	32	30
27	54	41e	64e	52e	49e	67	90	202	469	64	32	30
28	45	49e	55e	51e	58e	64	75	195	149	63	31	30
29	45	49e	51e	49e	---	65	71	167	118	83	31	30
30	47	46e	57e	49e	---	68	68	149	108	59	34	29
31	47	---	63e	46e	---	66	---	168	---	56	34	---
TOTAL	1402	1390	1833	1723	2967	1894	2524	4863	5453	2466	1358	902
MEAN	45.3	46.3	59.2	55.5	105.9	61.1	84.3	156.9	181.8	79.5	43.9	30.0
MAX	55	52	86	78	607	70	250	961	1250	124	67	40
MIN	42	36	31	42	32	52	43	60	81	56	31	26
AC-FT	2781	2757	3636	3418	5885	3757	5006	9646	10820	4891	2694	1789
CAL	YEAR	2010	TOTAL	54983	MEAN	150.6	MAX	4710	MIN	25.0	AC-FT	109100
WTR	YEAR	2011	TOTAL	28775	MEAN	78.8	MAX	1250	MIN	26.0	AC-FT	57070

e indicates estimated discharge.

# PLATTE RIVER BASIN (ELKHORN RIVER)

## LOGAN CREEK at Pender, 06799450

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

DRAINAGE AREA.--731 square miles.

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

PERIOD OF RECORD.--1965 - present

REMARKS.--Published by the USGS up to October 1, 1993. Records are fair, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 4,540 cubic feet per second June 27, gage height 10.40 feet; minimum daily discharge 132 cubic feet per second estimated December 12 and February 2, 9, and 10.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	247	233	229	143e	137e	389	303	433	971	583	227	199
2	243	234	231	137e	132e	366	295	382	805	525	224	196
3	240	235	214	179e	153e	338	289	365	745	528	215	211
4	242	234	213	194e	173e	352	274	354	711	525	205	212
5	243	233	210	220e	173e	272	259	349	658	463	200	197
6	241	238	220	204e	173e	309	260	342	626	431	208	191
7	239	243	223	194e	173e	317	257	337	590	413	203	187
8	240	243	226	179e	153e	293	257	326	552	394	225	185
9	241	243	217	158e	132e	287	262	322	512	379	220	184
10	241	243	220	153e	132e	266	299	318	546	364	200	182
11	239	238	192	143e	148e	368	285	314	526	354	190	179
12	236	245	132e	143e	184e	535	257	360	495	376	219	175
13	232	257	158e	153e	301e	383	246	352	515	427	242	172
14	232	253	153e	179e	523e	310	243	321	640	417	217	169
15	236	253	163e	189e	1030e	323	389	316	539	428	201	167
16	237	257	168e	194e	1410e	361	830	310	493	386	198	175
17	234	251	179e	199e	2010e	397	735	300	503	361	196	180
18	235	245	163e	168e	1410e	371	629	295	545	338	196	183
19	237	248	168e	153e	419e	323	739	292	468	321	271	183
20	238	248	204e	163e	437e	312	891	347	574	307	227	177
21	236	243	189e	168e	487	320	632	505	1380	297	206	170
22	236	247	173e	158e	518	320	554	761	1140	287	491	168
23	243	241	173e	148e	517	363	506	611	764	285	306	169
24	248	239	179e	163e	495	305	451	501	642	274	246	172
25	251	220	163e	173e	465	287	425	844	588	266	221	173
26	313	247	177e	184e	442	296	481	2420	568	262	209	172
27	285	242	181e	179e	431	297	505	1180	2960	259	203	173
28	239	253	172e	179e	416	293	436	1410	1220	254	198	172
29	234	262	166e	168e	---	287	404	1030	741	246	222	169
30	239	219	158e	148e	---	296	415	945	654	238	208	167
31	236	---	148e	143e	---	302	---	1130	---	234	203	---
TOTAL	7533	7287	5762	5256	13174	10238	12808	18072	22671	11222	6997	5409
MEAN	243.0	242.9	185.9	169.4	470.5	330.2	427.0	583.1	755.7	362.0	225.6	180.2
MAX	313	262	231	220	2010	535	891	2420	2960	583	491	212
MIN	232	219	132	137	132	266	243	292	468	234	190	167
AC-FT	14940	14450	11430	10430	26130	20310	25400	35850	44970	22260	13880	10730
CAL	YEAR	2010	TOTAL	169220	MEAN	463.6	MAX	9890	MIN	132.0	AC-FT	335600
WTR	YEAR	2011	TOTAL	126429	MEAN	346.4	MAX	2960	MIN	132.0	AC-FT	250800

e indicates estimated discharge.

# PLATTE RIVER BASIN (ELKHORN RIVER)

## ELKHORN RIVER near Winslow, 06799510

LOCATION.--NW1/4NE1/4 Sec. 24-19-8 E., Dodge County, Lat. 41° 36' 40", Long. 96° 28' 06", near the left side of the bank about 30 feet downstream of a Dodge County maintained hard top road about one and 3/4 miles east of Winslow, NE.

DRAINAGE AREA.--Estimated 6,120 square miles with 5,090 square miles estimated contributing to runoff.

GAGE.--Continuous stage recorder. Gage datum 1,189.11 feet above mean sea level NGVD 1929 from survey by the Nebraska Department of Natural Resource in June, 2009.

PERIOD OF RECORD.--July, 2007 - present

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 9,340 cubic feet per second June 20, gage height 13.19 feet; minimum daily discharge 717 cubic feet per second September 30.

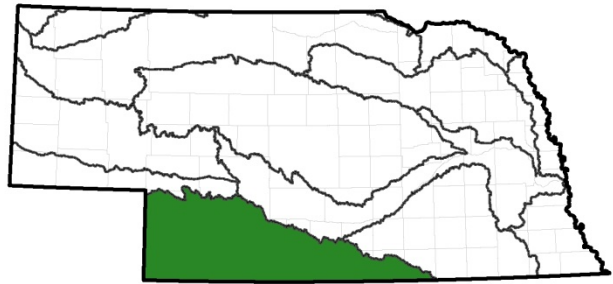
### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1510	1500	1320e	1070e	1030e	2570	1820	2640	5300	6450	1480	1130
2	1450	1490	1300e	1100e	956e	2520	1820	2510	5760	6070	1400	1100
3	1410	1480	1280e	1100e	883e	2500	1960	2250	5690	5390	1310	1220
4	1400	1470	1260e	1090e	941e	2590	2090	2100	5430	4910	1230	1310
5	1380	1440e	1250e	1120e	1000e	2180	2140	2050	5350	4240	1180	1200
6	1360	1470e	1230e	1190e	1090e	2180	1950	2020	4870	3870	1150	1100
7	1330	1450e	1210e	1130e	1060e	2230	1990	2030	4600	3560	1160	1050
8	1310	1430e	1190e	1060e	912e	2030	2040	1980	4210	3430	1180	1000
9	1290	1450e	1170e	1030e	883e	2150	2050	2070	3850	3120	1160	965
10	1280	1470e	1150e	1010e	971e	2090	2060	2190	3740	3020	1190	932
11	1270	1470e	1130e	971e	1040e	2370	2030	2170	3380	3220	1090	901
12	1260	1470e	1120e	897e	1180e	2140	1850	2340	3000	3420	1210	876
13	1240	1510e	1150e	897e	1260e	2320	1670	2810	3060	3840	1370	844
14	1210	1560e	1160e	883e	1690e	2480	1610	3100	3450	4570	1430	813
15	1190	1560e	1120e	839e	2110e	2350	1890	3050	3140	4700	1440	784
16	1180	1580e	1100e	926e	3690e	2620	3230	2540	2820	4670	1410	801
17	1160	1600e	1090e	1010e	7100e	2740	3390	2310	2650	4160	1300	827
18	1150	1570e	1060e	1040e	10400e	2760	3560	2230	4140	3860	1240	865
19	1140	1550e	1100e	1060e	6360e	2670	4260	2200	3270	3540	1600	868
20	1140	1530e	1100e	1070e	5290e	2590	5100	5150	6580	3170	1580	851
21	1130	1510e	1120e	1130e	4920e	2490	4960	4060	6300	3100	1440	816
22	1120	1490e	1100e	1060e	4170e	2520	4720	4320	5040	3140	2660	779
23	1110	1470e	1130e	941e	3640e	2630	4610	4640	5730	3140	3000	764
24	1130	1450e	1120e	1070e	3110	2530	4250	3650	4590	2730	1770	758
25	1160	1430e	1090e	1100e	2680	2280	3810	4300	5060	2290	1440	755
26	1320	1420e	1040e	1090e	2240	2140	3560	6920	5440	2030	1310	750
27	1480	1400e	1040e	1070e	2280	2000	3300	7080	7720	1910	1240	747
28	1440	1380e	1160e	1190e	2470	1870	2930	6160	8150	1830	1210	741
29	1480	1360e	1250e	1220e	---	1790	2720	5540	7370	2040	1160	736
30	1510	1340e	1180e	1120e	---	1770	2650	5030	6780	1710	1220	717
31	1500	---	1090e	1090e	---	1790	---	5240	---	1570	1180	---
TOTAL	40040	44300	35810	32574	75356	71890	86020	106680	146470	108700	43740	27000
MEAN	1291	1476	1155	1052	2689	2320	2868	3442	4883	3506	1410	900.2
MAX	1510	1600	1320	1220	10400	2760	5100	7080	8150	6450	3000	1310
MIN	1110	1340	1040	839	883	1770	1610	1980	2650	1570	1090	717
AC-FT	79420	87870	71030	64610	149500	142600	170600	211600	290500	215600	86760	53550
CAL	YEAR	2010	TOTAL	1313315	MEAN	3598	MAX	46000	MIN	681.0	AC-FT	2605000
WTR	YEAR	2011	TOTAL	818580	MEAN	2243	MAX	10400	MIN	717.0	AC-FT	1624000

e indicates estimated discharge

# REPUBLICAN RIVER BASIN

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# REPUBLICAN RIVER BASIN

## HAIGLER CANAL from Republican River, 00061000

LOCATION.-- NW1/4SE1/4 Sec. 1-1-43 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 Colorado Division of Water Resources web page.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	23	0	0	0	0	0	0	8.4	13	24	21	22
2	22	0	0	0	0	0	0	9	14	23	22	21
3	17	0	0	0	0	0	0	9.7	14	2.5	22	19
4	14	0	0	0	0	0	0	11	13	0	10	18
5	16	0	0	0	0	0	0	16	13	7.5	11	18
6	19	0	0	0	0	0	0	20	14	17	12	18
7	18	0	0	0	0	0	0	23	14	17	15	18
8	16	0	0	0	0	0	0	22	14	20	22	17
9	11	0	0	0	0	0	0	22	14	6.7	22	17
10	9.4	0	0	0	0	0	0	19	13	3.9	22	18
11	11	0	0	0	0	0	0	20	13	11	22	18
12	14	0	0	0	0	0	0	15	12	11	22	19
13	16	0	0	0	0	0	0	12	11	11	22	21
14	12	0	0	0	0	0	0	11	9.9	11	22	23
15	4.7	0	0	0	0	0	0	11	9.1	14	22	21
16	0	0	0	0	0	0	0	11	15	12	22	17
17	0	0	0	0	0	0	0	11	21	15	22	16
18	0	0	0	0	0	0	0	12	22	19	22	13
19	0	0	0	0	0	0	0	7.6	23	22	21	12
20	0	0	0	0	0	0	0	3.4	19	24	20	13
21	0	0	0	0	0	0	0	3.3	20	23	22	15
22	0	0	0	0	0	0	0	3.6	24	22	21	17
23	0	0	0	0	0	0	0	5.6	26	22	19	17
24	0	0	0	0	0	0	0	3.2	23	23	18	15
25	0	0	0	0	0	0	0	2.7	20	23	19	19
26	0	0	0	0	0	0	0	5.2	21	22	19	23
27	0	0	0	0	0	0	0	4.2	22	23	21	24
28	0	0	0	0	0	0	8.7	0	25	23	22	25
29	0	0	0	0	----	0	8.6	0	25	23	22	25
30	0	0	0	0	----	0	8.1	8.2	24	23	22	25
31	0	----	0	0	----	0	----	12	----	22	22	----
MIN	0	0	0	0	0	0	0	0	9.1	0	10	12
MAX	23	0	0	0	0	0	8.7	23	26	24	22	25
MEAN	7.2	0	0	0	0	0	0.85	10.39	17.37	16.79	20.1	18.8

# REPUBLICAN RIVER BASIN

## HAIGLER CANAL from Republican River, 00061400

LOCATION.--NW1/4NW1/4 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 Colorado Division of Water Resources web page.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	21	0	0	0	0	0	0	6.4	11	21	18	18
2	19	0	0	0	0	0	0	7.4	12	21	19	18
3	17	0	0	0	0	0	0	7.8	12	5.7	19	17
4	13	0	0	0	0	0	0	9.1	12	0.07	12	15
5	13	0	0	0	0	0	0	12	12	1.4	9	15
6	17	0	0	0	0	0	0	15	12	16	11	15
7	17	0	0	0	0	0	0	18	12	14	11	15
8	15	0	0	0	0	0	0	17	12	18	18	15
9	12	0	0	0	0	0	0	18	13	11	19	14
10	8.3	0	0	0	0	0	0	16	12	0.48	19	15
11	9.2	0	0	0	0	0	0	17	12	10	19	15
12	11	0	0	0	0	0	0	16	12	9.5	19	15
13	14	0	0	0	0	0	0e	11	10	9.7	19	17
14	12	0	0	0	0	0	0	9.8	9.2	9.6	19	17
15	6.4	0	0	0	0	0	0	9.7	8	11	19	17
16	0	0	0	0	0	0	0	9.6	11	11	19	15
17	0	0	0	0	0	0	0	9.8	18	12	19	14
18	0	0	0	0	0	0	0	11	18	16	19	13
19	0	0	0	0	0	0	0	9.2	18	17	19	11
20	0	0	0	0	0	0	0	3.6	18	20	17	11
21	0	0	0	0	0	0	0	2.7	16	20	18	13
22	0	0	0	0	0	0	0	2.8	20	19	19	15
23	0	0	0	0	0	0	0	4.1	23	20	18	15
24	0	0	0	0	0	0	0	4.4	21	20	15	14
25	0	0	0	0	0	0	0	4.8	18	20	16	15
26	0	0	0	0	0	0	0	4.4	18	20	16	19
27	0	0	0	0	0	0	0	4.8	18	20	17	19
28	0	0	0	0	0	0	2.2	0.59	21	20	18	20
29	0	0	0	0	----	0	7.7	0	22	20	18	20
30	0	0	0	0	----	0	6.5	4.3	21	20	18	20
31	0	----	0	0	----	0	----	11	----	20	18	----
MIN	0	0	0	0	0	0	0	0	8	0.07	9	11
MAX	21	0	0	0	0	0	7.7	18	23	21	19	20
MEAN	6.61	0	0	0	0	0	0.55	8.94	15.07	14.63	17.23	15.73



# REPUBLICAN RIVER BASIN

## HAIGLER CANAL SPILLBACK to Arikaree River, 00061500

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.3	---	---	---	---	---	---	1.6	3.0	3.0	1.3	1.8
2	2.3	---	---	---	---	---	---	2.4	2.4	3.2	1.7	1.2
3	2.3	---	---	---	---	---	---	0.10	2.0	3.0	1.5	2.2
4	2.3	---	---	---	---	---	---	0.00	2.8	1.7	2.8	3.2
5	2.3	---	---	---	---	---	---	0.00	2.3	0.04	2.9	2.9
6	2.3	---	---	---	---	---	---	1.1	2.2	3.9	2.3	2.3
7	2.3	---	---	---	---	---	---	0.00	1.7	3.1	0.61	1.5
8	2.3	---	---	---	---	---	---	0.39	2.2	4.2	0.68	1.4
9	2.3	---	---	---	---	---	---	2.4	2.5	5.4	1.6	1.4
10	2.3	---	---	---	---	---	---	1.9	2.4	1.2	1.9	1.1
11	2.3	---	---	---	---	---	---	1.8	3.0	2.7	1.3	2.8
12	2.3	---	---	---	---	---	---	4.0	4.4	3.7	1.3	2.3
13	2.3	---	---	---	---	---	---	2.5	2.1	2.7	1.3	0.71
14	2.3	---	---	---	---	---	---	2.2	1.7	2.6	0.00	1.0
15	2.3	---	---	---	---	---	---	2.5	3.2	3.2	0.84	0.67
16	0.26	---	---	---	---	---	---	1.6	3.6	2.7	3.1	1.0
17	0.00	---	---	---	---	---	---	1.9	5.0	3.0	1.8	2.2
18	0.00	---	---	---	---	---	---	2.9	4.8	3.7	1.1	2.3
19	0.00	---	---	---	---	---	---	4.3	5.8	2.5	1.4	1.7
20	0.00	---	---	---	---	---	---	2.2	5.6	2.5	1.1	1.4
21	0.00	---	---	---	---	---	---	1.6	3.8	2.5	1.9	1.00
22	---	---	---	---	---	---	---	1.7	5.1	2.4	2.1	0.62
23	---	---	---	---	---	---	---	1.4	3.3	2.4	0.79	0.37
24	---	---	---	---	---	---	---	2.1	3.5	2.2	1.8	0.39
25	---	---	---	---	---	---	---	3.4	5.1	1.7	1.2	0.41
26	---	---	---	---	---	---	---	1.3	4.5	1.8	0.72	0.39
27	---	---	---	---	---	---	0.02	2.3	4.4	0.79	1.2	0.00
28	---	---	---	---	---	---	0.08	1.5	3.6	0.72	1.8	0.00
29	---	---	---	---	---	---	1.2	0.00	2.1	1.1	1.7	0.00
30	---	---	---	---	---	---	0.18	0.00	1.9	1.5	2.3	0.07
31	---	---	---	---	---	---	---	3.2	---	1.4	1.8	---
TOTAL	34.76	0	0	0	0	0	1.48	54.29	100	76.55	47.84	38.33
MEAN	1.6	---	---	---	---	---	0.37	1.7	3.3	2.5	1.5	1.3
MAX	2.3	---	---	---	---	---	1.2	4.3	5.8	5.4	3.1	3.2
MIN	0.00	---	---	---	---	---	0.02	0.00	1.7	0.04	0.00	0.00
AC-FT	69	0.00	0.00	0.00	0.00	0.00	2.9	108	198	152	95	76
CAL	YEAR	2010	TOTAL	440	MEAN	2.2	MAX	6.9	MIN	0.000	AC-FT	873
WTR	YEAR	2011	TOTAL	353	MEAN	2.0	MAX	5.8	MIN	0.000	AC-FT	701

# REPUBLICAN RIVER BASIN

## SWANSON LAKE near Trenton, 06829000

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

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

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

PERIOD OF RECORD.--May 1953 - present

REMARKS.—Values furnished by the USBR Great Plains Region web page. Published by the USGS up to October 1, 1994.

### STORAGE ( AC-FT ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	61627	60298	60229	62123	64450	67494	71317	75978	81282	80911	71202	62585
2	61556	60264	60229	62123	64450	67532	71395	76058	81323	80052	70701	62194
3	61486	60229	60264	62159	64450	67719	71549	76137	81530	79889	70284	-----
4	61416	60194	60333	62159	64450	67719	71665	76216	81572	79562	69866	-----
5	61346	60159	60368	62159	64486	67532	71742	76335	81654	79235	69561	-----
6	61311	60089	60403	62194	64558	67944	71781	76375	81778	79235	69182	61911
7	61276	60089	60473	62194	64631	68056	71897	76375	81778	79235	68878	61840
8	61206	60089	60578	62230	64738	68355	71974	76454	81820	79073	68466	61804
9	61171	60054	60648	62265	64847	68392	72013	76573	81820	78992	68243	61769
10	61171	60054	60718	62372	64919	68728	72283	76613	81778	78828	68131	61698
11	61102	59984	60892	62407	64955	68803	72360	76534	81778	78869	68056	61627
12	61067	60054	60892	62478	65027	69030	72399	76935	81985	78665	67869	61556
13	60997	60089	60857	62514	65064	69068	72437	77498	82027	78504	67719	61486
14	60962	60089	60892	62550	65172	69220	72553	77619	82068	78383	67532	61416
15	60927	60054	60927	62585	65282	69334	73452	77699	82068	78182	67494	61381
16	60892	60124	60997	62621	65356	69485	73531	77780	82027	77981	67308	61416
17	60787	60089	61171	62656	65613	69637	73688	77820	82233	77659	67009	61346
18	60752	60124	61241	62727	65870	69713	73962	78062	82233	77296	66678	61346
19	60718	60124	61311	62798	65980	69828	73923	78262	82274	76854	66348	61311
20	60718	60124	61381	62905	66164	69980	74119	78504	82315	76375	66090	61241
21	60648	60124	61451	63011	66495	70018	74236	78625	82356	75899	65796	61171
22	60613	60159	61521	63046	66604	70246	74549	78706	82274	75421	65466	61137
23	60752	60159	61556	63153	66752	70359	74667	78787	82151	74985	65172	61102
24	60752	60194	61627	63259	66899	70359	74747	79562	81985	74628	64847	61067
25	60752	60229	61662	63366	66972	70435	74866	79889	81861	74275	64450	61032
26	60752	60264	61733	63511	67009	70549	75144	80093	81737	73766	64088	60962
27	60683	60194	61769	63655	67159	70587	75421	80214	81737	73295	63835	60927
28	60508	60194	61840	63835	67308	70739	75660	80459	81447	72747	63511	60927
29	60438	60229	61875	63907		70816	75779	80663	81241	72360	63295	60857
30	60438	60264	61946	64088		71009	75938	80828	80911	71974	63153	60787
31	60333		62088	64269		71241		81200		71588	62869	
MIN	60333	59984	60229	62123	64450	67494	71317	75978	80911	71588	62869	60787
MAX	61627	60298	62088	64269	67308	71241	75938	81200	82356	80911	71202	62585
AVG	60941	60146	61093	62817	65559	69352	73368	78027	81835	76926	66874	61404

# REPUBLICAN RIVER BASIN

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## REPUBLICAN RIVER near Trenton, 00126700

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

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

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

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

REMARKS.--Current record for period June through August for gate releases from Swanson Reservoir.

Record for Republican River at Trenton, 06829500, located 0.9 miles downstream was published by the USGS 1946 - 1993 and by the Department of Water Resources in 1994.

### DISCHARGE ( CFS ), WATER YEAR 2011

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
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NO RELEASES WERE MADE IN 2011 FROM SWANSON RESERVOIR TO THE REPUBLICAN RIVER.

# REPUBLICAN RIVER BASIN

## MEEKER-DRIFTWOOD CANAL from Republican River, 00087000

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 the USBR Great Plains Region web page.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	184.00	180.53	140.00
2	---	---	---	---	---	---	---	---	---	184.00	193.78	47.71
3	---	---	---	---	---	---	---	---	---	184.00	196.01	0.00
4	---	---	---	---	---	---	---	---	---	179.48	196.00	0.00
5	---	---	---	---	---	---	---	---	---	187.72	171.33	0.00
6	---	---	---	---	---	---	---	---	---	146.46	158.00	0.00
7	---	---	---	---	---	---	---	---	---	117.62	158.00	0.00
8	---	---	---	---	---	---	---	---	---	110.08	162.46	0.00
9	---	---	---	---	---	---	---	---	---	108.01	169.11	---
10	---	---	---	---	---	---	---	---	---	108.00	105.69	---
11	---	---	---	---	---	---	---	---	0.00	108.00	74.37	---
12	---	---	---	---	---	---	---	---	0.00	105.81	72.80	---
13	---	---	---	---	---	---	---	---	0.00	109.72	72.05	---
14	---	---	---	---	---	---	---	---	0.00	128.22	72.02	---
15	---	---	---	---	---	---	---	---	0.00	147.83	93.14	---
16	---	---	---	---	---	---	---	---	0.00	154.00	123.82	---
17	---	---	---	---	---	---	---	---	0.00	154.23	141.78	---
18	---	---	---	---	---	---	---	---	0.00	186.41	146.00	---
19	---	---	---	---	---	---	---	---	0.00	219.53	138.96	---
20	---	---	---	---	---	---	---	---	114.53	233.50	135.00	---
21	---	---	---	---	---	---	---	---	48.84	225.66	135.00	---
22	---	---	---	---	---	---	---	---	75.72	204.80	142.18	---
23	---	---	---	---	---	---	---	---	81.59	197.00	144.66	---
24	---	---	---	---	---	---	---	---	73.61	197.00	153.68	---
25	---	---	---	---	---	---	---	---	74.05	202.71	154.68	---
26	---	---	---	---	---	---	---	---	74.40	218.85	135.79	---
27	---	---	---	---	---	---	---	---	88.21	230.40	129.00	---
28	---	---	---	---	---	---	---	---	134.17	217.98	129.00	---
29	---	---	---	---	---	---	---	---	171.35	177.75	135.06	---
30	---	---	---	---	---	---	---	---	184.00	162.67	137.33	---
31	---	---	---	---	---	---	---	---	---	163.00	139.03	---
MIN									0.00	105.81	72.02	0.00
MAX									184.00	233.50	196.01	140.00
AVG									56.02	169.50	138.59	23.46
TOT, KAF									2.222	10.422	8.522	0.372
TOT, CFS	0	0	0	0	0	0	0	0	1120	5254	4296	188

# REPUBLICAN RIVER BASIN

## FRENCHMAN CREEK near Imperial, 06831500

LOCATION.--SW1/4NW1/4 Sec. 3-5-38 W., Chase County, Lat. 40°25'45", Long. 101°37'25", on right bank, 0.2 mile downstream from bridge on county road; 5.8 miles upstream from Enders Dam; 1 mile east and 6.1 miles south of Imperial.

DRAINAGE AREA.--880 square miles, approximately 720 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Elevation of the gage is approximately 3130 feet from topographic map.

PERIOD OF RECORD.--1940 - present (published as Frenchman River near Imperial 1965-1972)

REMARKS.--Published by the USGS up to Oct. 1, 1994. Records are fair, excepted estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 3,780 cubic feet per second June 12, 2007, gage height 10.01 feet; minimum daily discharge 1.7 cubic feet per second July 24 & 25, 2003 and July 31, August 1 and 6, 2006.

EXTREMES FOR CURRENT YEAR.--Peak discharge 32 cubic feet per second May 27, gage height 1.67 feet; minimum daily discharge 3.5 cubic feet per second August 24.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.6	4.5	6.3	5.7e	6.9e	9.4	10	11	13	7.0	4.2	4.2
2	4.7	4.6	6.2	5.6e	6.8e	9.4	9.9	10.0	11	6.9	4.1	4.1
3	4.8	4.6	6.2	5.8e	6.8	9.5	9.5	9.5	11	6.9	4.1	4.1
4	4.8	4.6	6.2	5.9	7.3	10	9.4	9.4	10	6.5	4.3	4.0
5	4.7	4.6	6.4	5.7	7.5	9.9	9.2	9.4	9.5	6.4	4.9	3.9
6	4.7	4.6	6.4	5.7	7.8	9.7	8.8	9.0	9.0	7.4	4.5	3.9
7	4.7	4.6	6.9	6.0	8.1	9.4	8.9	8.4	8.5	7.9	4.3	3.9
8	4.6	4.8	7.0	6.0	6.8e	9.2	9.2	7.9	8.1	7.6	4.2	3.8
9	4.6	4.8	7.0	6.1	7.4e	9.3	9.0	7.5	7.7	8.8	4.1	3.8
10	4.6	5.1	7.0	6.0	8.0	10	9.1	7.2	7.6	9.4	5.1	3.8
11	5.0	5.5	6.9	5.8	8.3	9.7	9.7	7.3	7.6	9.2	4.7	3.8
12	4.9	6.1	6.6	5.7e	8.5	9.9	9.3	9.9	7.7	9.4	4.6	3.7
13	4.9	5.8	6.6	5.8e	8.9	9.7	8.9	11	7.5	9.6	4.4	3.7
14	4.7	5.7	6.5	6.0e	9.4	9.3	9.7	11	7.2	10	4.4	3.8
15	4.7	5.7	6.5	6.3e	10	9.3	11	9.8	6.9	10	4.5	4.6
16	4.6	5.9	6.5	6.4e	11	9.3	18	9.0	7.0	9.9	4.3	4.7
17	4.4	6.1	6.5	6.8	10	9.2	17	8.7	7.4	8.8	4.1	4.6
18	4.4	6.1	6.5	7.9	10	9.1	16	9.0	7.4	7.9	4.0	4.6
19	4.5	6.1	6.4	8.9	9.9	8.9	15	11	8.0	6.9	3.9	4.4
20	4.5	6.1	6.6	8.8e	11	8.8	13	13	14	6.3	4.0	4.2
21	4.4	6.1	6.6	8.5e	9.6e	9.0	13	13	12	5.9	3.9	4.2
22	4.5	6.1	6.6	8.3e	9.5e	8.9	13	13	11	5.6	3.8	4.3
23	5.0	6.2e	6.6	8.1	9.5e	8.9	12	12	11	5.3	3.6	4.2
24	4.8	6.2e	6.6	8.3	9.3	8.9	11	16	11	5.2	3.5	4.1
25	4.6	6.2	6.6	8.2	8.9e	8.6	12	25	10	5.0	3.5	4.1
26	4.5	6.2	6.5	8.4	8.9e	8.7	12	27	9.9	4.8	3.6	4.1
27	4.4	6.2	6.5	8.5	9.0e	9.1	13	28	9.1	5.0	3.6	4.0
28	4.3	6.2	6.3	8.9	9.1	9.4	13	22	8.4	4.9	3.5	4.0
29	4.4	6.2	6.6	8.6	---	10	12	19	7.9	5.0	4.1	4.0
30	4.4	6.1	6.4	8.6	---	10	11	16	7.4	4.7	4.9	4.0
31	4.3	---	5.8e	7.2e	---	11	---	14	---	4.5	4.4	---
TOTAL	143	167.6	202.3	218.5	244.2	291.5	342.6	394	273.8	218.7	129.1	122.6
MEAN	4.6	5.6	6.5	7.0	8.7	9.4	11.4	12.7	9.2	7.1	4.2	4.1
MAX	5.0	6.2	7.0	8.9	11	11	18	28	14	10	5.1	4.7
MIN	4.3	4.5	5.8	5.6	6.8	8.6	8.8	7.2	6.9	4.5	3.5	3.7
AC-FT	284	332	401	433	484	578	680	781	543	434	256	243
CAL	YEAR	2010	TOTAL	2574	MEAN	7.1	MAX	47.0	MIN	3.9	AC-FT	5105
WTR	YEAR	2011	TOTAL	2748	MEAN	7.5	MAX	28.0	MIN	3.5	AC-FT	5450

e indicates estimated discharge.

# REPUBLICAN RIVER BASIN

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## ENDERS RESERVOIR near Enders, 06832000

LOCATION.--NE1/4 Sec. 9-5-37 W., Chase County, Lat. 40° 25' 14", Long. 101° 31' 00", near right bank in control house at outlet tube of Enders Dam on Frenchman Creek, 2.2 miles southeast of Enders.

GAGE.--Continuous stage recorder. Datum of gage is NAVD 83.

DRAINAGE AREA.--950 square miles, of which approximately 790 square miles contributes directly to surface runoff.

PERIOD OF RECORD.--October 1950 - present

REMARKS.--Values furnished by the USBR Great Plains Region web page. Published by the USGS up to October 1, 2006.

### STORAGE ( AC-FT ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16237	16172	16460	16761	17077	17377	17671	18119	18556	18980	18444	17919
2	16228	16191	16470	16761	17086	17386	17671	18119	18556	18918	18413	17889
3	16219	16200	16470	16771	17096	17416	17691	18119	18566	18918	18382	-----
4	16182	16182	16479	16771	17115	17435	17681	18119	18556	18897	18352	-----
5	16182	16191	16479	16790	17106	17455	17671	18119	18546	18866	18362	-----
6	16200	16200	16479	16799	17125	17455	17691	18119	18546	18907	18342	17770
7	16182	16200	16516	16799	17125	17455	17681	18109	18525	18928	18311	17750
8	16182	16209	16582	16799	17144	17465	17701	18109	18505	18897	18261	17720
9	16172	16228	16592	16799	17183	17494	17701	18109	18474	18897	18240	17711
10	16172	16228	16592	16838	17192	17504	17780	18099	18464	18886	18281	17701
11	16182	16219	16601	16866	17192	17523	17720	18079	18444	18876	18261	17681
12	16182	16265	16601	16866	17221	17514	17720	18170	18454	18876	18220	17661
13	16163	16265	16601	16894	17212	17514	17720	18200	18444	18876	18210	17622
14	16172	16283	16620	16894	17221	17523	17711	18190	18433	18856	18190	17622
15	16172	16358	16601	16894	17221	17543	17899	18190	18413	18866	18220	17612
16	16172	16283	16629	16885	17231	17553	17859	18190	18393	18856	18210	17612
17	16172	16321	16629	16914	17241	17563	17899	18170	18423	18835	18180	17602
18	16172	16348	16648	16923	17241	17553	17909	18180	18423	18793	18160	17602
19	16163	16348	16638	16942	17250	17563	17929	18200	18413	18772	18140	17592
20	16172	16348	16648	16961	17250	17573	17949	18281	18700	18721	18160	17582
21	16172	16376	16657	16981	17309	17573	17959	18281	19075	18690	18140	17553
22	16172	16404	16657	16981	17309	17582	18009	18291	19064	18669	18119	17533
23	16191	16404	16657	16981	17309	17582	18009	18281	19054	18648	18099	17523
24	16191	16404	16676	17000	17328	17573	18009	18352	19043	18618	18079	17523
25	16191	16423	16686	17009	17348	17563	18039	18474	19043	18607	18029	17514
26	16209	16423	16695	17009	17357	17582	18099	18484	19033	18566	17999	17494
27	16191	16423	16695	17038	17367	17592	18119	18505	19043	18577	17969	17484
28	16172	16432	16714	17029	17377	17592	18129	18536	19001	18556	17959	17465
29	16172	16460	16714	17048		17622	18129	18546	18980	18546	17939	17455
30	16172	16451	16705	17067		17661	18140	18566	18980	18515	17959	17435
31	16172		16742	17077		17671		18566		18484	17939	
MIN	16163	16172	16460	16761	17077	17377	17671	18079	18393	18484	17939	17435
MAX	16237	16460	16742	17077	17377	17671	18140	18566	19075	18980	18444	17919
AVG	16183	16308	16611	16908	17223	17531	17863	18254	18672	18771	18180	17616

REPUBLICAN RIVER BASIN

FRENCHMAN CREEK near Enders, 06832500

LOCATION.--NW1/4NW1/4 Sec. 10-5-37 W., Chase County, Latitude 40°25'15", Long. 101°30'35", on left bank about 75 feet downstream from county bridge, about 1/4 mile downstream from Enders Dam and Highway 61, and 2.5 miles southeast of Enders.

DRAINAGE AREA.--950 square miles; approximately 790 square miles contributes directly to surface runoff. Almost all drainage above gage is controlled by Enders Dam.

GAGE.--Continuous stage recorder. Gage datum is 3,026.22 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1946 - 1994 continuous all year record, 1995 - presently operated during irrigation season when water is released from Enders Reservoir.

REMARKS.--Published by the USGS up to Oct. 1, 1993.

DISCHARGE ( CFS ), WATER YEAR 2011

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

NO RELEASES WERE MADE IN 2011 FROM ENDERS RESERVOIR.

# REPUBLICAN RIVER BASIN

## STINKING WATER CREEK near Palisade, 06835000

LOCATION.--SW1/4NW1/4 Sec. 30-5-33 W., Hayes County, Lat. 40°22'23", Long. 101°07'01", on right bank 25 feet downstream from 96 inch corrugated metal pipe, 1.25 miles upstream from mouth, and 1.75 miles northwest of Palisade.

DRAINAGE AREA.--Approximately 1,500 square miles; approximately 380 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is 2,750.99 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1949 - present

REMARKS.--Published by the USGS up to Oct. 1, 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 3,030 cubic feet per second on June 17, 1956, gage height 11.30 feet; minimum daily discharge 4.5 cubic feet per second July 31 & August 1, 2006.

EXTREMES FOR CURRENT YEAR.--Peak discharge 335 cubic feet per second June 21, gage height 8.16 feet; minimum daily discharge 9.4 cubic feet per second September 13.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	11	11	14e	13e	19e	17	19	24	24	24	14	11
2	11	11	14e	13e	18e	18	18	22	21	22	13	11
3	11	11	14	14e	18e	18	18	20	19	21	13	11
4	11	11	14	13e	17e	18	17	19	20	20	13	10
5	11	11	14	13e	18e	17	17	18	17	19	13	10
6	11	11	15	13e	19e	17	17	17	16	24	14	10
7	11	12	15	15e	21e	17	17	17	15	25	13	10
8	11	12	15	15e	21e	17	17	16	14	30	13	10
9	11	12	15	16e	18e	17	16	16	14	29	13	10
10	11	12	15	17e	18e	16	16	16	13	35	16	9.9
11	11	12	15e	17e	18e	17	16	15	13	31	16	9.7
12	11	12	15e	16e	18e	18	16	16	13	25	16	9.5
13	11	13	15e	16e	20	18	18	22	12	22	15	9.4
14	11	13	15e	16e	21	18	19	27	12	23	17	9.7
15	11	13	15	18	19	17	22	22	12	23	22	11
16	11	13	15	17	19	17	30	20	11	22	17	11
17	11	13	15	18	20	17	36	19	11	22	14	11
18	11	13	15	19e	20	17	35	18	12	20	13	12
19	11	13	15	19e	19	17	30	19	14	18	13	11
20	11	13	15	17e	19e	16	30	20	67	17	12	11
21	11	13	15	17e	19e	16	29	21	301	16	15	11
22	12	13	15	18e	19e	16	27	21	260	15	12	11
23	12	13	15	18e	19	16	28	20	161	15	12	10
24	13	13e	15	18	19	16	27	20	122	14	11	10
25	13	13e	15e	18	18e	16	25	25	81	14	11	10
26	12	13e	15e	18	18e	16	24	35	48	14	11	10
27	11	13e	14e	18	18	16	27	46	37	13	11	10
28	11	13	15e	18	18	17	32	79	32	16	11	10
29	11	13e	16e	19	---	17	32	78	28	19	11	10
30	11	14e	15e	19e	---	18	27	40	26	16	11	11
31	11	---	14e	19e	---	19	---	29	---	14	11	---
TOTAL	348	373	459	515	528	527	702	797	1446	638	417	311.2
MEAN	11.3	12.5	14.8	16.7	18.8	17.0	23.3	25.7	48.2	20.6	13.5	10.4
MAX	13	14	16	19	21	19	36	79	301	35	22	12
MIN	11	11	14	13	17	16	16	15	11	13	11	9.4
AC-FT	690	740	910	1021	1047	1045	1392	1581	2868	1265	827	617
CAL	YEAR	2010	TOTAL	8035	MEAN	22.0	MAX	313.0	MIN	10.0	AC-FT	15940
WTR	YEAR	2011	TOTAL	7061	MEAN	19.3	MAX	301.0	MIN	9.4	AC-FT	14010

e indicates estimated discharge.



# REPUBLICAN RIVER BASIN

## CULBERTSON CANAL from Frenchman Creek, 00035000

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

GAGE.--Continuous stage recorder and Parshall flume

PERIOD OF RECORD.--1920 - present

REMARKS.-- Values furnished by the USBR Great Plains Region web page.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	0.00	0.00	0.00	0.00	0.00	0.00	37.70	43.30	38.60	33.07	23.06
2	---	0.00	0.00	0.00	0.00	0.00	0.00	36.80	43.24	39.51	32.34	23.08
3	---	0.00	0.00	0.00	0.00	0.00	0.00	36.80	43.52	40.62	31.54	22.65
4	---	0.00	0.00	0.00	0.00	0.00	0.00	36.80	43.93	40.36	31.80	21.75
5	---	0.00	0.00	0.00	0.00	0.00	0.00	36.80	43.99	40.41	31.50	20.99
6	---	0.00	0.00	0.00	0.00	0.00	0.00	35.90	43.59	39.53	30.33	21.69
7	---	0.00	0.00	0.00	0.00	0.00	0.00	39.50	42.40	37.74	30.20	22.20
8	---	0.00	0.00	0.00	0.00	0.00	0.00	43.10	40.88	37.72	30.27	21.85
9	---	0.00	0.00	0.00	0.00	0.00	0.00	42.20	40.36	37.96	30.51	21.42
10	---	0.00	0.00	0.00	0.00	0.00	0.00	41.30	40.08	37.80	28.94	21.40
11	---	0.00	0.00	0.00	0.00	0.00	0.00	40.40	40.07	37.20	27.80	21.40
12	---	0.00	0.00	0.00	0.00	0.00	0.00	41.80	39.81	34.98	27.81	12.08
13	---	0.00	0.00	0.00	0.00	0.00	0.00	39.17	38.95	33.29	27.48	0.00
14	---	0.00	0.00	0.00	0.00	0.00	0.00	38.96	38.37	33.68	27.01	0.00
15	---	0.00	0.00	0.00	0.00	0.00	0.00	39.12	37.65	34.20	27.00	0.00
16	---	0.00	0.00	0.00	0.00	0.00	0.00	39.56	37.14	34.38	27.88	0.00
17	---	0.00	0.00	0.00	0.00	0.00	0.00	43.00	37.38	34.20	29.40	0.00
18	---	0.00	0.00	0.00	0.00	0.00	0.00	43.90	37.68	34.48	30.20	0.00
19	---	0.00	0.00	0.00	0.00	0.00	0.00	43.85	39.53	35.36	30.20	0.00
20	---	0.00	0.00	0.00	0.00	0.00	0.00	43.45	43.41	36.96	29.93	0.00
21	---	0.00	0.00	0.00	0.00	0.00	0.00	43.09	42.84	36.96	29.43	0.00
22	---	0.00	0.00	0.00	0.00	0.00	0.00	43.13	44.24	37.09	29.35	0.00
23	---	0.00	0.00	0.00	0.00	0.00	0.00	43.09	43.61	37.07	28.83	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.38	44.39	37.65	26.89	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	23.00	43.62	43.61	36.86	26.20	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	29.71	43.99	44.59	35.58	26.15	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	31.80	43.85	43.38	34.83	25.90	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	36.80	44.00	40.39	34.26	25.04	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	38.60	44.00	39.60	34.53	24.61	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	37.70	43.64	38.76	33.21	23.83	0.00
31	0.00		0.00	0.00		0.00		43.26		32.72	23.45	
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.90	37.14	32.72	23.45	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	38.60	44.00	44.59	40.62	33.07	23.08
AVG	0.00	0.00	0.00	0.00	0.00	0.00	6.59	41.26	41.36	36.44	28.54	8.45
TOT, KAF	0.000	0.000	0.000	0.000	0.000	0.000	0.392	2.537	2.461	2.241	1.755	0.503
TOT, CFS	0	0	0	0	0	0	198	1279	1241	1130	885	254

# REPUBLICAN RIVER BASIN

## RIVERSIDE CANAL from Frenchman Creek, 00127000

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

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	9.0	8.6	11	9.8	8.2
2	---	---	---	---	---	---	---	8.9	8.3	10	9.8	8.2
3	---	---	---	---	---	---	---	9.1	8.1	8.8	9.7	8.1
4	---	---	---	---	---	---	---	9.1	7.7	7.2	12	8.1
5	---	---	---	---	---	---	---	9.2	7.7	7.2	6.4	8.1
6	---	---	---	---	---	---	---	9.1	7.7	8.3	5.2	8.2
7	---	---	---	---	---	---	---	9.0	7.3	9.1	4.9	8.1
8	---	---	---	---	---	---	---	8.2	6.2	7.9	6.7	8.2
9	---	---	---	---	---	---	---	7.6	8.0	7.8	9.3	8.0
10	---	---	---	---	---	---	---	7.4	7.8	7.9	7.2	8.0
11	---	---	---	---	---	---	---	7.2	7.4	8.6	5.5	7.9
12	---	---	---	---	---	---	---	7.5	6.7	8.2	5.5	9.3
13	---	---	---	---	---	---	---	8.6	6.7	7.6	5.3	12
14	---	---	---	---	---	---	---	9.3	6.0	7.7	9.1	10
15	---	---	---	---	---	---	---	8.8	5.3	7.5	10	0.00e
16	---	---	---	---	---	---	---	8.4	10	7.4	9.7	---
17	---	---	---	---	---	---	---	7.8	10	8.0	9.1	---
18	---	---	---	---	---	---	---	7.6	9.9	9.0	8.4	---
19	---	---	---	---	---	---	---	7.9	8.2	8.8	7.9	---
20	---	---	---	---	---	---	---	8.4	7.6	8.6	7.7	---
21	---	---	---	---	---	---	0.00e	8.3	7.9	8.2	8.2	---
22	---	---	---	---	---	---	6.5	8.0	9.1	8.4	7.8	---
23	---	---	---	---	---	---	9.4	8.0	0.00e	9.2	7.5	---
24	---	---	---	---	---	---	11	9.5	0.00e	8.8	6.1	---
25	---	---	---	---	---	---	10	11	0.00e	8.6	5.6	---
26	---	---	---	---	---	---	9.1	11	11	8.5	4.9	---
27	---	---	---	---	---	---	9.7	12	12	8.3	4.8	---
28	---	---	---	---	---	---	9.8	12	12	12	6.3	---
29	---	---	---	---	---	---	9.8	12	12	10	7.9	---
30	---	---	---	---	---	---	9.5	11	12	10	8.2	---
31	---	---	---	---	---	---	---	9.8	---	9.3	8.1	---
TOTAL	0	0	0	0	0	0	84.8	280.7	231.2	267.9	234.6	120.4
MEAN	---	---	---	---	---	---	8.5	9.0	7.7	8.7	7.6	8.0
MAX	---	---	---	---	---	---	11	12	12	12	12	12
MIN	---	---	---	---	---	---	0.00	7.2	0.00	7.2	4.8	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	168	557	459	531	465	239
CAL	YEAR	2010	TOTAL	1229	MEAN	8.0	MAX	13.0	MIN	0.000	AC-FT	2437
WTR	YEAR	2011	TOTAL	1220	MEAN	8.2	MAX	12.0	MIN	0.000	AC-FT	2419

e indicates estimated discharge.

# REPUBLICAN RIVER BASIN

## RED WILLOW CREEK above Hugh Butler Lake, 06837300

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

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

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

PERIOD OF RECORD.--1960 - present

REMARKS.--Published by the USGS up to Oct. 1, 1994. Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 4,020 cubic feet per second June 16, 1972, gage height 13.27 feet (at different datum); minimum daily discharge 2.5 cubic feet per second August 1 & 4, 2005 and July 20, 2006.

EXTREMES FOR CURRENT YEAR.--Peak discharge 252 cubic feet per second June 21, gage height 8.05 feet; minimum daily discharge 7.80 cubic feet per second September 10-11.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.3	12	14e	11e	11e	18	18	16	21	19	11	10
2	8.3	12	14e	11e	9.9e	18	17	15	20	18	11	10
3	8.4	12	14e	11e	10e	19	17	15	21	18	10	10.0
4	8.5	12	14e	11e	11e	18	16	15	22	18	10	9.6
5	8.6	12	14e	12e	13e	19	16	16	20	18	30	9.3
6	8.7	12	13e	13e	14e	18	15	16	20	20	31	8.6
7	8.9	12	14e	13e	14e	18	15	15	19	69	14	7.9
8	9.1	12	14e	11e	12e	18	15	15	18	77	12	8.0
9	9.1	12	14e	11e	10e	18	15	15	18	58	13	8.0
10	9.5	12	15	11e	11e	18	15	15	18	48	51	7.8
11	9.8	13	15e	10e	13e	18	15	15	17	40	65	7.8
12	10	13	14e	10e	14e	19	15	16	17	32	20	7.9
13	10	14	14e	11e	16e	19	15	19	17	28	17	7.9
14	10	14	14e	12e	19e	19	16	19	17	25	15	8.2
15	10	14	15	12e	21	19	19	20	17	23	14	8.4
16	11	14	16e	10e	21	18	24	21	17	23	14	9.0
17	11	14	14e	10e	21	18	24	20	18	22	13	9.4
18	11	14	14e	12e	21	18	23	19	19	20	12	9.6
19	11	14	14	12e	21	18	22	20	21	18	12	9.5
20	11	15	14	11e	21	17	20	21	65	17	12	9.3
21	11	15	14	9.8e	21	17	20	21	174	16	11	9.1
22	11	15	14	10e	22	17	20	22	72	15	11	8.9
23	12	15	14	12e	20	17	21	22	44	14	11	8.8
24	13	15e	14	13e	19	16	23	31	32	14	10	8.6
25	13	14e	14e	14e	20	16	23	51	29	13	10.0	8.6
26	12	15e	13e	14e	20	16	21	96	32	13	9.7	8.6
27	12	15e	14e	14e	20	16	20	76	28	12	9.4	8.7
28	12	15e	15e	14e	19	16	19	56	24	12	9.3	8.7
29	11	15e	14e	15e	---	16	18	39	22	12	9.4	8.7
30	11	14e	13e	14e	---	16	17	27	20	12	9.7	8.7
31	12	---	12e	13e	---	17	---	23	---	12	9.8	---
TOTAL	322.2	407	435	367.8	464.9	545	554	807	899	756	497.3	263.6
MEAN	10.4	13.5	14.0	11.9	16.6	17.5	18.5	26.1	30.0	24.4	16.1	8.8
MAX	13	15	16	15	22	19	24	96	174	77	65	10
MIN	8.3	12	12	9.8	9.9	16	15	15	17	12	9.3	7.8
AC-FT	639	807	863	730	922	1081	1099	1601	1783	1500	986	523
CAL	YEAR	2010	TOTAL	7437	MEAN	20.4	MAX	254.0	MIN	7.2	AC-FT	14750
WTR	YEAR	2011	TOTAL	6319	MEAN	17.3	MAX	174.0	MIN	7.8	AC-FT	12530

e indicates estimated discharge.

# REPUBLICAN RIVER BASIN

## HUGH BUTLER LAKE near McCook, 06837390

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

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

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

PERIOD OF RECORD.--September 1961 - present

REMARKS.—Values furnished by the USBR Great Plains Region web page. Published by the USGS up to October 1, 1994.

### STORAGE ( AC-FT ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	23314	23780	8505	6345	6138	5872	5713	6086	6004	6316	6180	6016
2	23251	23451	8271	6339	6127	5883	5713	6074	6057	6286	6168	6004
3	23201	23002	8081	6327	6127	5912	5702	6057	6033	6262	6180	5952
4	23164	22461	7926	6316	6127	5935	5702	6045	6004	6250	6191	5912
5	23164	21821	7820	6316	6138	5952	5713	6016	5975	6327	6221	5883
6	23251	21193	7728	6316	6127	6045	5730	5993	5935	6327	6274	5872
7	23251	20575	7636	6304	6109	6304	5861	5993	5912	6387	6304	5821
8	23226	19935	7565	6262	6109	6316	5872	5964	5912	6399	6327	5781
9	23226	19318	7487	6250	6074	6387	5901	5935	5883	6411	6345	5741
10	23226	18679	7384	6221	6057	6441	5924	5924	5843	6399	6357	5730
11	23239	18086	7295	6209	6033	6387	5964	5935	5826	6441	6357	5713
12	23251	17493	7206	6191	6033	6274	5993	5901	5861	6411	6327	5730
13	23251	16873	7124	6191	6033	6274	5993	5901	6033	6411	6304	5741
14	23338	16227	7036	6191	6033	6274	6045	5883	7048	6399	6274	5713
15	23376	15587	6936	6191	6004	6262	6057	5872	7124	6387	6233	5713
16	23376	14991	6936	6191	5952	6221	6074	5912	7105	6387	6209	5730
17	23376	14360	6763	6209	5935	6150	6074	5912	7225	6304	6221	5730
18	23401	13743	6689	6209	5924	6097	6074	5912	7295	6262	6250	5741
19	23426	13141	6622	6209	5924	6016	6057	5912	7282	6221	6262	5764
20	23426	12536	6537	6221	5918	5964	6074	6016	7206	6191	6286	5781
21	23489	11906	6465	6221	5912	5883	6074	6045	7237	6168	6304	5804
22	23716	11302	6399	6221	5912	5832	6074	6086	7461	6138	6310	5821
23	23780	10683	6327	6233	5901	5781	6097	6109	7578	6127	6316	5832
24	23780	10269	6345	6233	5872	5781	6109	6127	7461	6138	6316	5861
25	23830	9954	6345	6221	5861	5764	6109	6138	7161	6150	6274	5872
26	23894	9705	6345	6209	5843	5752	6109	6127	7004	6168	6250	5883
27	23894	9452	6327	6209	5843	5741	6097	6109	6831	6180	6209	5901
28	23920	9217	6345	6191	5861	6292	6097	6097	6677	6191	6168	5912
29	24009	8979	6357	6168		6280	6109	6074	6549	6191	6127	5924
30	24214	8751	6357	6168		6292	6097	6057	6441	6209	6086	5901
31	24047		6357	6150		5713		6028		6221	6074	
MIN	23164	8751	6327	6150	5843	5713	5702	5872	5826	6127	6074	5713
MAX	24214	23780	8505	6345	6138	6441	6109	6138	7578	6441	6357	6016
AVG	23494	15582	7017	6233	5997	6067	5974	6008	6599	6279	6249	5826

# REPUBLICAN RIVER BASIN

## RED WILLOW CREEK near McCook, 06837500

LOCATION.--SW1/4NW1/4 Sec. 6-4-29 W., Red Willow County, Lat. 40° 20' 50", Long. 100° 38' 35", on left bank 45 feet downstream from the bridge on U.S. Highway 83, 3.0 miles downstream from Red Willow Dam, 10 miles north of McCook.

DRAINAGE AREA.--740 square miles, of which approximately 320 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Datum of gage is 2485.97 feet National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1940 - 1947, Annual peaks 1958 - 1960, 1960 - 1993 by the USGS, October 1993 - 1994 by Department of Water Resources, partial year record 1995 - present. See USGS publication WSP 1310 for other periods.

REMARKS.--Published by the USGS up to Oct. 1, 1993.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	22	2.8	23	2.3	23e	22	35	2.5	43	18	26	23
2	22	2.7	22	2.3	23e	22	35	2.5	42	18	22	23
3	22	5.8	23	2.3	23	22	35	2.4	41	18	17	23
4	23	24	23	2.3	23	22	31	2.3	40	18	17	24
5	23	25	23	2.2	23	22	25	2.3	40	17	12	24
6	24	24	23	9.8	23	22	23	2.2	40	19	3.8	24
7	24	24	23	21	23	22	23	1.9	40	19	3.5	23
8	15	24	23	22	24e	27	23	1.9	39	18	3.4	23
9	3.2	23	22	22	23e	33	22	1.7	27	32	3.7	21
10	3.0	23	22	23e	23	33	22	1.7	38	45	10	17
11	2.7	23	23	22e	23	33	21	1.8	38	46	25	16
12	2.5	23	23	21e	22	33	18	2.9	39	46	39	16
13	2.5	23	23	21	22	33	17	2.5	39	45	32	17
14	2.5	23	23	21	22	33	19	2.1	37	45	21	18
15	2.4	23	23	20	22	33	30	2.1	35	44	20	19
16	2.3	23	23	21	22	33	34	2.0	28	44	20	18
17	2.3	14	23	21	22	33	34	2.0	19	44	19	4.8
18	2.3	2.5	23	21	22	33	35	2.4	18	35	19	4.2
19	2.3	8.0	23	22	22	34	35	2.5	18	26	20	3.9
20	2.3	22	23	22	22	34	35	2.2	28	26	19	3.6
21	2.4	22	15	22	22	34	31	2.0	75	21	20	3.5
22	2.8	22	2.9	22	22	34	5.1	1.9	148	21	19	3.5
23	2.9	22	2.7	23	22	34	3.6	2.0	151	22	23	3.4
24	2.6	22	2.6	23	22	34	3.2	2.8	95	22	23	3.2
25	2.7	22	2.5	23	22	34	3.1	8.4	40	21	23	3.2
26	2.7	22	2.4	22	22	35	3.0	20	40	18	23	3.2
27	2.6	22	2.4	23	22	35	2.8	27	32	18	23	3.2
28	2.5	22	2.4	23	22	35	2.6	40	23	18	23	3.0
29	2.6	22	2.4	23	---	35	2.5	42	24	18	26	2.9
30	2.7	23	2.3	24	---	35	2.5	42	24	17	28	3.0
31	2.7	---	2.3	24e	---	35	---	43	---	18	23	---
TOTAL	234.5	583.8	496.9	573.2	628	959	611.4	275	1341	837	606.4	377.6
MEAN	7.6	19.5	16.1	18.4	22.4	30.9	20.3	8.9	44.8	27.0	19.5	12.6
MAX	24	25	23	24	24	35	35	43	151	46	39	24
MIN	2.3	2.5	2.3	2.2	22	22	2.5	1.7	18	17	3.4	2.9
AC-FT	465	1158	986	1137	1246	1902	1213	545	2660	1660	1203	749
CAL	YEAR	2010	TOTAL	10344	MEAN	30.7	MAX	257.0	MIN	1.4	AC-FT	20520
WTR	YEAR	2011	TOTAL	7524	MEAN	20.6	MAX	151.0	MIN	1.7	AC-FT	14920

e indicates estimated discharge.

REPUBLICAN RIVER BASIN

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RED WILLOW CANAL from Red Willow Creek, 00126000

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

DISCHARGE ( CFS ), WATER YEAR 2011

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
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NO WATER DIVERTED IN 2011.

# REPUBLICAN RIVER BASIN

## BARTLEY CANAL from Republican River, 00006000

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 the USBR Great Plains Region web page.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	33.00	44.40	48.00	29.60
2	---	---	---	---	---	---	---	30.00	37.60	47.40	51.00	28.00
3	---	---	---	---	---	---	---	38.40	37.60	41.00	52.00	27.90
4	---	---	---	---	---	---	---	37.00	37.60	29.40	50.40	27.40
5	---	---	---	---	---	---	---	37.60	37.60	25.40	41.40	30.90
6	---	---	---	---	---	---	---	37.60	37.00	24.60	34.50	33.10
7	---	---	---	---	---	---	---	37.70	36.40	24.60	34.50	32.50
8	---	---	---	---	---	---	---	37.60	37.00	24.60	34.50	31.60
9	---	---	---	---	---	---	---	37.60	36.40	25.00	34.50	15.60
10	---	---	---	---	---	---	---	42.40	36.40	25.90	33.00	0.00
11	---	---	---	---	---	---	---	46.00	36.40	25.90	31.90	0.00
12	---	---	---	---	---	---	---	48.40	36.40	25.90	31.90	0.00
13	---	---	---	---	---	---	---	53.00	36.40	25.90	31.90	0.00
14	---	---	---	---	---	---	---	52.00	35.60	28.90	31.40	0.00
15	---	---	---	---	---	---	---	51.00	36.40	30.90	37.00	0.00
16	---	---	---	---	---	---	---	47.40	36.40	30.90	40.00	0.00
17	---	---	---	---	---	---	---	27.40	36.40	30.90	46.00	0.00
18	---	---	---	---	---	---	---	45.00	36.40	38.00	49.00	0.00
19	---	---	---	---	---	---	---	43.00	36.40	46.20	49.00	0.00
20	---	---	---	---	---	---	---	42.40	34.00	49.00	49.00	0.00
21	---	---	---	---	---	---	---	40.40	31.90	49.00	48.00	0.00
22	---	---	---	---	---	---	---	31.90	31.40	48.70	46.00	0.00
23	---	---	---	---	---	---	---	31.90	29.90	48.90	44.40	0.00
24	---	---	---	---	---	---	---	32.40	29.90	49.00	44.00	0.00
25	---	---	---	---	---	---	---	33.00	29.90	50.40	44.00	0.00
26	---	---	---	---	---	---	---	32.40	29.90	51.00	42.40	0.00
27	---	---	---	---	---	---	---	30.90	29.40	51.00	41.00	0.00
28	---	---	---	---	---	---	---	30.40	33.00	50.00	41.70	0.00
29	---	---	---	---	---	---	---	28.90	34.50	50.70	40.30	0.00
30	---	---	---	---	---	---	---	27.90	37.60	51.00	36.00	0.00
31	0.00		---	---		---		26.90		49.00	28.00	
MIN	0.00							26.90	29.40	24.60	28.00	0.00
MAX	0.00							53.00	37.60	51.00	52.00	33.10
AVG	0.00							37.95	34.83	38.50	40.86	8.55
TOT, KAF	0.000							2.258	2.072	2.367	2.512	0.509
TOT, CFS	0	0	0	0	0	0	0	1139	1045	1194	1267	257

# REPUBLICAN RIVER BASIN

## FOX CREEK at Curtis, 06840000

LOCATION.--SE1/4NW1/4 Sec. 27-8-28 W., Frontier County, Lat. 40°38'00", Long. 100° 29'20", on left bank 15 ft. upstream from bridge on State Highway 23, 0.5 miles upstream from mouth, and 1 mile east of Curtis.

DRAINAGE AREA.--74 square miles.

GAGE.--Continuous stage recorder. Datum of gage is 2,519.58 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1951 - 1958, 1978 - December 31, 1994, Oct. 1, 2007 - present

REMARKS.--Published by the USGS 1951 - 1958, 1958 - 1991, peak flows published 1960 - 1970. Records are fair, except estimated records are poor.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 138 cubic feet per second July 11, gage height 9.23 feet; minimum daily discharge 5.1 cubic feet per second September 23.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.3	6.1	8.4	8.9	7.7	8.6	9.2	8.5	8.0	10	6.5e	6.9
2	5.3	6.1	8.6	7.2	7.8	8.5	9.1	8.5	8.5	10	6.3e	6.9
3	5.3	6.3	8.7	8.9	7.1	8.6	9.1	8.6	9.0	11	5.9e	6.2
4	5.3	6.3	8.7	8.4	8.4	8.7	8.9	8.6	8.1	11	5.7e	6.1
5	5.4	6.4	8.6	9.0	8.6	8.6	8.9	8.5	8.6	11	5.5e	6.7
6	5.3	6.5	8.6	9.1	8.6	8.7	8.9	8.7	8.6	13	5.4e	5.8
7	5.5	6.5	8.7	9.3	8.8	8.8	8.9	8.8	8.2	32	5.4e	5.9
8	5.4	6.6	8.7	9.1	8.2	8.8	8.9	8.5	8.2	13	6.0	5.8
9	5.7	6.7	8.7	9.2	8.0	8.8	8.9	8.5	8.3	11	6.2	6.0
10	5.8	6.6	8.7	8.9	6.8	8.9	9.3	8.4	8.3	11	6.8	7.1
11	5.8	6.7	8.7	7.5	8.5	9.6	8.9	8.0	8.4	51	6.6	5.8
12	5.8	7.0	8.5	6.9	8.6	9.4	8.7	9.6	8.4	15	7.8	5.5
13	5.8	6.9	8.9	9.1	9.3	9.1	8.7	8.6	8.6	11	8.6	6.2
14	5.9	6.9	8.9	9.3	9.3	9.0	9.1	8.1	8.9	11e	10	5.9
15	6.0	7.1	9.0	9.3	8.3	9.0	10	8.0	8.9	10e	8.8	6.4
16	6.0	7.1	9.0	9.2	8.3	9.0	9.2	8.1	9.1	9.7e	8.2	6.5
17	6.1	7.4	8.9	9.3	8.8	9.6	8.9	7.9	9.3	9.5e	8.2	6.2
18	6.1	7.3	9.0	9.4	8.6	9.4	9.0	8.8	9.1	9.5e	8.5	5.6
19	6.0	7.4	9.0	9.2	8.6	9.5	9.0	8.6	9.6	9.2e	7.8	5.4
20	6.1	7.4	9.1	8.9	9.8	9.4	8.9	8.3	13	8.6e	7.6	5.2
21	6.1	7.5	9.0	9.3	9.2	9.3	9.0	8.1	10	8.3e	7.3	5.4
22	6.2	7.5	9.0	9.3	8.5	9.3	9.7	8.1	9.9	8.1e	7.2	5.2
23	6.7	7.6	8.7	9.8	8.5	9.2	9.4	7.8	9.7	7.9e	7.5	5.1
24	6.3	7.7	9.1	9.3	8.6	9.1	9.0	17	9.7	7.8e	7.4	5.6
25	6.1	7.7	9.0	9.0	8.5	9.1	9.0	15	11	7.7e	8.0	5.6
26	6.1	7.8	8.9	8.9	8.5	9.2	8.9	12	11	7.1e	8.2	5.6
27	6.0	8.0	8.8	9.0	8.6	9.1	8.8	9.4	11	7.0e	8.4	5.4
28	6.0	8.2	8.9	9.2	8.6	9.2	9.1	9.7	10	6.8e	7.0	6.2
29	6.4	8.3	9.0	9.3	---	9.2	8.8	8.5	10	6.7e	6.9	5.6
30	6.3	8.3	9.0	8.8	---	9.1	8.7	8.5	10	6.7e	7.4	5.4
31	6.2	---	8.5	8.3	---	9.1	---	8.1	---	6.6e	6.7	---
TOTAL	182.3	213.9	273.3	276.3	237.1	280.9	270.9	281.8	279.4	358.2	223.8	177.2
MEAN	5.9	7.1	8.8	8.9	8.5	9.1	9.0	9.1	9.3	11.5	7.2	5.9
MAX	6.7	8.3	9.1	9.8	9.8	9.6	10	17	13	51	10	7.1
MIN	5.3	6.1	8.4	6.9	6.8	8.5	8.7	7.8	8.0	6.6	5.4	5.1
AC-FT	362	424	542	548	470	557	537	559	554	710	444	351
CAL	YEAR	2010	TOTAL	3138	MEAN	8.6	MAX	110.0	MIN	5.3	AC-FT	6225
WTR	YEAR	2011	TOTAL	3055	MEAN	8.4	MAX	51.0	MIN	5.1	AC-FT	6060

e indicates estimated discharge.



# REPUBLICAN RIVER BASIN

## MEDICINE CREEK above Harry Strunk Lake, 06841000

LOCATION.--NW1/4SW1/4 Sec. 7-6-26 W., Frontier County, Lat. 40°30'10", Long. 100°19'20", on right bank 3.75 miles southeast of Stockville and 13.5 miles upstream from Medicine Creek Dam.

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

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

PERIOD OF RECORD.--1950 - present

REMARKS.--Published by the USGS up to Oct. 1, 1994. Records are good, except discharges above 125 cubic feet per second are fair and estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 16,900 cubic feet per second May 30, 2007, gage height 20.84 feet; minimum daily discharge 7.1 cubic feet per second August 8, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,100 cubic feet per second May 25, gage height 14.49 feet; minimum daily discharge 30 cubic feet per second September 12 and 13.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	40	50	52e	49e	54e	53	60	54	55	40	42	39
2	40	50	52	49e	53e	53	59	53	46	39	42	37
3	40	50	50	50e	54e	55	58	52	44	42	42	38
4	40	50	51	50e	57e	54	57	52	42	41	44	37
5	40	50	51e	51e	58e	55	56	52	42	40	47	35
6	40	50	51e	52e	58e	54	55	52	42	52	47	34
7	40	50	52	52e	58e	55	55	51	40	111	49	33
8	41	50	51	51e	55e	55	55	51	38	126	49	33
9	41	51	51	49e	53e	54	55	51	38	76	50	32
10	42	51	51	50e	52e	54	56	50	39	62	54	32
11	44	51	52e	48e	53e	55	55	50	39	64	53	31
12	44	51	48e	47e	56e	57	54	58	39	101	54	30
13	44	53	47e	47e	57e	58	54	79	38	69	52	30
14	44	55	48e	47e	60e	58	56	76	39	58	51	31
15	45	54	50e	50e	59e	57	63	68	35	55	48	33
16	45	53	50	49e	59	57	71	62	35	52	47	36
17	45	53	53	49e	59	57	73	57	38	49	46	39
18	45	53	50	49e	58	57	70	60	38	47	44	40
19	45	55	51	48e	57	56	66	63	56	45	43	38
20	46	54	51	47e	58e	57	62	65	153	43	42	36
21	46	53	51	50e	57e	56	61	65	99	42	41	34
22	47	52	51	53e	57e	57	63	62	66	41	40	33
23	50	52	51	51e	57	56	66	57	54	41	39	32
24	53	52	52	49e	55	55	68	135	50	40	37	32
25	54	53e	52e	52e	55e	55	66	680	48	41	36	32
26	52	51e	50e	53e	55e	55	64	164	51	41	35	31
27	52	50e	49e	55	55	55	60	126	56	41	35	31
28	50	50	50e	55	52	56	58	90	50	41	35	31
29	50	50	51e	56	---	56	57	72	48	42	35	31
30	50	51e	50e	56	---	57	55	63	44	42	37	31
31	50	---	50e	56e	---	59	---	61	---	42	37	---
TOTAL	1405	1548	1569	1570	1571	1728	1808	2731	1502	1666	1353	1012
MEAN	45.3	51.6	50.6	50.7	56.2	55.7	60.3	88.0	50.0	53.8	43.6	33.7
MAX	54	55	53	56	60	59	73	680	153	126	54	40
MIN	40	50	47	47	52	53	54	50	35	39	35	30
AC-FT	2787	3070	3112	3114	3116	3427	3586	5417	2979	3304	2684	2007
CAL	YEAR	2010	TOTAL	23053	MEAN	63.2	MAX	687.0	MIN	36.0	AC-FT	45720
WTR	YEAR	2011	TOTAL	19463	MEAN	53.3	MAX	680.0	MIN	30.0	AC-FT	38600

e indicates estimated discharge.

# REPUBLICAN RIVER BASIN

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## HARRY STRUNK LAKE near Cambridge, 06842000

LOCATION.--NE1/4 Sec. 25-5-26 W., Frontier County, Lat. 40° 22' 40", Long. 100° 13' 00", in control house at outlet tube of Medicine Creek Dam, 7 miles northeast of Cambridge.

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

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

PERIOD OF RECORD.--August 1949 - present

REMARKS.--Values furnished by the USBR Great Plains Region web page. Published by the USGS up to October 1, 1994.

### STORAGE ( AC-FT ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	31021	33081	33702	33900	34099	33470	33222	36181	38901	37787	32766	24777
2	31071	33151	33702	33864	33990	33416	33151	36295	38840	37610	32350	24723
3	31120	33257	33738	33864	33918	33328	33151	36353	38800	37551	31856	-----
4	31153	33328	33738	33900	33900	33293	33116	36334	38760	37415	31502	-----
5	31186	33363	33738	33900	33900	33204	33186	36353	38700	37356	31319	-----
6	31252	33452	33720	33900	33882	33151	33310	36372	38620	37454	31087	24320
7	31302	33523	33720	33954	33864	33116	33434	36391	38580	37571	30874	24227
8	31352	33631	33738	33936	33882	33045	33505	36429	38540	37649	30694	24094
9	31452	33666	33738	33972	33864	33028	33631	36410	38401	37767	30468	24014
10	31502	33684	33774	34044	33828	32940	33720	36372	38361	37787	30323	24080
11	31553	33666	33846	34026	33774	32905	33828	36315	38281	37866	30083	24134
12	31653	33720	33864	34026	33756	32888	33882	36276	38321	37826	29925	24173
13	31687	33702	33720	34008	33774	32835	34044	36391	38202	37886	29862	24227
14	31754	33720	33702	34044	33792	32870	34099	36391	38162	37905	29736	24320
15	31822	33702	33720	34044	33810	32853	34592	36448	38083	37925	29580	24333
16	31906	33720	33774	34062	33828	32958	34537	36448	38122	37905	29393	24400
17	31957	33756	33774	34099	33828	33116	34647	36448	38103	37826	29070	24454
18	32025	33720	33774	34135	33810	33239	34813	36525	38083	37689	28676	24534
19	32059	33756	33792	34153	33810	33345	34942	36621	37984	37415	28318	24628
20	32144	33738	33792	34153	33792	33470	35053	36736	38182	37026	27995	24723
21	32196	33756	33792	34153	33864	33577	35128	36813	38361	36678	27675	24777
22	32264	33756	33810	34153	33828	33595	35295	36891	38281	36295	27372	24817
23	32436	33738	33810	34171	33828	33595	35408	36891	38182	35972	27028	24885
24	32522	33756	33846	34190	33810	33541	35482	37123	38182	35651	26616	24939
25	32522	33756	33846	34171	33738	33470	35632	37846	38122	35295	26221	24979
26	32713	33738	33846	34171	33648	33416	35745	38680	38122	34868	25872	25061
27	32748	33738	33828	34117	33613	33381	35897	38921	38182	34445	25608	25129
28	32783	33738	33846	34135	33541	33328	35953	39021	38063	33990	25388	25184
29	32853	33810	33864	34153		33310	36010	39021	38043	33666	25143	25279
30	32922	33738	33918	34135		33257	36143	39041	37945	33328	25007	25279
31	33010		33936	34117		33239		38981		33081	24885	
MIN	31021	33081	33702	33864	33541	32835	33116	36181	37945	33081	24885	24014
MAX	33010	33810	33936	34190	34099	33595	36143	39041	38901	37925	32766	25279
AVG	31934	33629	33787	34053	33820	33232	34485	37010	38317	36661	28797	24611

# REPUBLICAN RIVER BASIN

## MEDICINE CREEK below Harry Strunk Lake, 06842500

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

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

GAGE.--Continuous stage recorder. Datum of gage is 2295.26 feet National Geodetic Vertical Datum of 1929 (USBR benchmark).

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

REMARKS.--Published by the USGS up to Oct. 1, 1994. Records above 10 cubic feet per second are good, records between 5 and 10 cubic feet per second are fair, records below 5 cubic feet per second and estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 286 cubic feet per second August 3, gage height 3.22 feet; minimum daily discharge 0.06 cubic feet per second October 1, 3, April 26 - 29.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.1	0.64	53	46	60	83	64	0.70	72	100	220	81
2	1.4	0.69	53	45	60	83	63	1.1	72	110	260	75
3	1.7	0.82	53	45	61	84	63	20	71	102	282	75
4	1.9	1.1	53	45	62	84	20	39	70	70	244	75
5	1.7	1.0	53	45	62	85	1.0	32	68	61	175	75
6	0.77	0.67	53	45	62	85	0.99	36	67	51	138	79
7	0.44	0.57	53	44	62	84	0.93	36	65	40	138	89
8	0.34	12	52	44	62	84	0.91	48	64	41	144	87
9	0.34	37	52	44	62	84	0.86	66	61	43	163	14
10	0.34	40	52	44	60	84	0.82	77	59	44	151	1.3
11	0.38	44	51	43	60	76	0.78	83	56	45	117	1.3
12	0.49	44	51	43	60	61	0.80	67	53	45	91	1.2
13	0.47	44	51	43	60	61	0.86	50	52	46	90	0.68
14	0.46	45	51	43	60	61	1.3	50	50	46	106	0.38
15	0.41	45	51	43	60	21	1.6	50	48	47	144	0.50
16	0.39	46	51	42	60	1.3	1.4	50	48	59	172	0.77
17	0.42	46	51	42	60	0.94	1.6	60	48	83	223	0.87
18	0.52	48	50	47	60	0.81	1.7	55	65	145	236	0.92
19	0.44	49	50	49	59	0.73	1.5	40	77	204	207	0.82
20	0.54	49	50	49	59	0.69	0.88	34	85	223	200	0.36
21	0.67	50	49	48	59	19	0.73	34	88	223	199	0.13
22	0.54	51	49	48	59	54	0.65	33	86	206	206	0.06
23	0.63	50	49	48	59	54	0.67	33	70	199	233	0.23
24	0.70	49	49	51	75	62	1.0	35	50	207	249	0.44
25	0.78	50	49	59	83	66	1.1	42	52	239	237	0.64
26	0.57	50	49	60	83	66	0.77	50	52	261	160	0.66
27	0.45	51	48	60	83	66	0.95	62	52	261	144	0.16
28	0.45	51	48	60	83	65	0.80	77	49	231	151	0.30
29	0.43	52	47	60	---	65	0.70	75	65	191	168	0.50
30	0.43	52	46	60	---	65	0.65	74	104	173	117	0.62
31	0.53	---	46	60	---	64	---	74	---	178	90	---
TOTAL	20.73	1060.49	1563	1505	1795	1770.47	235.95	1483.8	1919	3974	5455	662.84
MEAN	0.67	35.4	50.3	48.6	64.1	57.2	7.9	47.9	64.1	128.2	176.0	22.1
MAX	1.9	52	53	60	83	85	64	83	104	261	282	89
MIN	0.34	0.57	46	42	59	0.69	0.65	0.70	48	40	90	0.06
AC-FT	41	2103	3100	2985	3560	3512	468	2943	3806	7882	10820	1315
CAL	YEAR	2010	TOTAL	22419	MEAN	61.4	MAX	225.0	MIN	0.010	AC-FT	44470
WTR	YEAR	2011	TOTAL	21445	MEAN	58.8	MAX	282.0	MIN	0.060	AC-FT	42540

# REPUBLICAN RIVER BASIN

## CAMBRIDGE CANAL from Republican River, 00020000

LOCATION.--SE1/4NE1/4 Sec. 27-4-25 W. near Cambridge

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

PERIOD OF RECORD.--1951 - present

REMARKS.-- Values furnished by the USBR Great Plains Region web page.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	79.10	151.10	169.20	67.00
2	---	---	---	---	---	---	---	---	78.76	148.55	205.51	67.00
3	---	---	---	---	---	---	---	---	78.80	135.02	227.57	67.00
4	---	---	---	---	---	---	---	85.41	79.12	102.97	205.84	66.98
5	---	---	---	---	---	---	---	61.28	79.19	94.66	137.93	66.52
6	---	---	---	---	---	---	---	57.27	84.34	93.94	106.07	75.23
7	---	---	---	---	---	---	---	60.01	86.17	92.62	106.00	83.37
8	---	---	---	---	---	---	---	60.02	84.96	86.52	116.80	85.49
9	---	---	---	---	---	---	---	79.12	84.57	80.66	133.23	41.44
10	---	---	---	---	---	---	---	82.26	84.46	80.80	128.01	0.00
11	---	---	---	---	---	---	---	98.46	84.12	80.59	109.53	0.00
12	---	---	---	---	---	---	---	86.11	84.55	81.36	102.26	0.00
13	---	---	---	---	---	---	---	81.02	90.63	82.33	99.98	0.00
14	---	---	---	---	---	---	---	80.49	93.99	90.33	99.89	---
15	---	---	---	---	---	---	---	79.56	94.15	105.94	133.73	---
16	---	---	---	---	---	---	---	77.09	94.35	111.85	156.44	---
17	---	---	---	---	---	---	---	76.12	93.92	112.29	185.15	---
18	---	---	---	---	---	---	---	81.15	90.26	147.58	205.58	---
19	---	---	---	---	---	---	---	78.20	94.90	187.93	184.02	---
20	---	---	---	---	---	---	---	77.79	95.66	206.95	170.33	---
21	---	---	---	---	---	---	---	76.27	90.46	216.01	169.27	---
22	---	---	---	---	---	---	---	75.94	94.96	201.57	172.99	---
23	---	---	---	---	---	---	---	76.26	97.61	192.67	190.93	---
24	---	---	---	---	---	---	---	78.35	99.61	192.48	205.51	---
25	---	---	---	---	---	---	---	80.90	98.94	209.45	195.80	---
26	---	---	---	---	---	---	---	78.74	98.15	225.90	140.48	---
27	---	---	---	---	---	---	---	79.06	104.45	226.90	115.22	---
28	---	---	---	---	---	---	---	79.77	110.29	202.52	114.02	---
29	---	---	---	---	---	---	---	80.00	124.28	159.54	129.92	---
30	---	---	---	---	---	---	---	80.00	141.01	143.89	92.01	---
31	---	---	---	---	---	---	---	79.94	---	142.01	67.00	---
MIN								57.27	78.76	80.59	67.00	0.00
MAX								98.46	141.01	226.90	227.57	85.49
AVG								77.38	93.19	141.51	147.62	47.70
TOT, KAF								4.297	5.545	8.701	9.077	1.230
TOT, CFS	0	0	0	0	0	0	0	2167	2796	4387	4576	620

# REPUBLICAN RIVER BASIN

## MUDDY CREEK at Furnas - Gosper County Line, 00224600

LOCATION.--NW1/4NE1/4 Sec. 6-4-23 W., Furnas County, Latitude 40° 21' 04", Longitude 99° 57' 19", on the right bank, 10 feet upstream from the bridge on County Road 726, 2.2 miles west and 3.0 miles north of Arapahoe.

DRAINAGE AREA.--240 Square miles.

GAGE.--Continuous stage recorder. Gage datum is 2,187.36 feet above sea level, NGVD 1929 established by NDNR surveyors June 5, 2006.

PERIOD OF RECORD.--September 9, 2005 - present.

REMARKS.--Gage operation began September 9, 2005 under agreement with the Tri-Basin Natural Resources District. Records are fair, except estimated records are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharge 287 cubic feet per second June 20, gage height 10.77 feet; minimum daily discharge 2.4 cubic feet per second August 25.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.1	4.2	4.4e	3.3e	4.4e	4.5	6.4	5.2	6.9	6.3	4.9	3.1
2	3.8	4.1	4.4e	3.3e	4.0e	4.5	5.4	5.0	7.5	6.6	4.7	4.6
3	3.6	4.1	4.4e	3.5e	4.1e	4.9	5.6	5.0	13	6.7	5.2	5.3
4	3.4	4.5	4.5e	3.7e	4.4e	5.9e	5.5	5.2	7.6	5.9	60	5.4
5	3.3	4.2	4.6e	3.7e	4.9e	5.9e	5.4	4.9	6.9	6.2	82	5.3
6	3.5	4.6	4.6e	3.9e	5.0e	5.9e	5.5	5.1	7.0	6.7	15	4.5
7	3.6	5.0	4.6e	4.1e	4.8e	5.9e	5.5	5.3	6.4	16	9.3	4.5
8	3.6	5.7	4.7e	3.9e	4.4e	5.9e	6.0	5.4	4.4	10	7.6	5.0
9	3.7	5.2	4.8e	3.6e	4.0e	5.9e	5.9	5.6	5.4	13	5.4	4.5
10	3.7	5.3	4.9e	3.7e	3.7e	5.9	6.0	5.2	5.7	7.1	4.2	4.8
11	4.0	5.1	5.0e	3.7e	4.0e	6.5	5.4	5.0	5.8	9.2	3.5	4.3
12	3.8	5.2	4.9e	3.7e	4.4e	6.2	5.2	5.7	5.8	8.4	3.2	3.7
13	3.7	5.4	4.7e	3.9e	4.4e	6.4	5.5	5.9	5.8	7.4	3.2	3.4
14	3.9	5.4	4.6e	4.1e	4.6e	6.3	5.9	5.5	6.2	6.3	3.2	3.7
15	3.9	5.4	4.4e	4.4e	4.7e	6.4	7.5	5.7	5.9	6.2	3.2	4.1
16	4.2	4.3	4.1e	4.6e	5.0e	6.4	6.9	5.9	7.3	6.5	3.4	3.9
17	4.4	5.3	4.2e	4.5e	5.2e	7.4	6.7	5.5	7.8	6.0	3.1	4.2
18	4.6	5.7	4.3e	4.8e	5.3e	6.5	6.0	6.7	6.8	5.6	3.0	4.5
19	5.0	5.8	4.2e	4.5e	5.1e	6.6	6.5	7.5	6.7	5.4	2.8	4.9
20	4.4	5.4	4.1e	4.1e	5.0e	7.0	5.8	7.7	152	5.0	2.8	2.9
21	4.2	5.1	4.0e	4.5e	5.0e	7.0	5.7	7.3	134	5.5	2.9	2.7
22	3.8	5.0	4.1e	4.7e	4.6e	7.1	5.9	6.9	37	5.8	2.8	2.7
23	3.9	5.1	4.0e	5.1e	4.4e	6.9	5.6	6.6	12	6.1	2.7	2.7
24	3.7	4.8	4.0e	5.2e	4.2e	6.2	5.7	11	8.7	5.9	2.6	3.2
25	3.6	4.2	3.9e	5.1e	3.9e	6.2	5.8	20	7.5	5.8	2.4	4.6
26	4.5	4.2e	3.5e	5.4e	4.1e	6.4	5.9	25	7.1	5.3	2.5	4.5
27	3.7	4.3e	3.7e	5.5e	4.3e	5.4	6.1	15	7.1	4.9	2.5	4.5
28	3.7	4.4e	3.8e	5.5e	4.5e	5.7	5.6	11	6.9	4.6	2.6	3.7
29	4.1	4.4e	3.7e	5.4e	---	5.7	5.6	8.2	6.7	4.9	2.6	3.7
30	4.2	4.4e	3.6e	5.3e	---	6.0	5.6	7.5	6.4	5.1	5.8	4.2
31	4.3	---	3.4e	5.0e	---	6.0	---	6.8	---	5.0	3.1	---
TOTAL	121.9	145.8	132.1	135.7	126.4	189.5	176.1	238.3	514.3	209.4	262.2	123.1
MEAN	3.9	4.9	4.3	4.4	4.5	6.1	5.9	7.7	17.1	6.8	8.5	4.1
MAX	5.0	5.8	5.0	5.5	5.3	7.4	7.5	25	152	16	82	5.4
MIN	3.3	4.1	3.4	3.3	3.7	4.5	5.2	4.9	4.4	4.6	2.4	2.7
AC-FT	242	289	262	269	251	376	349	473	1020	415	520	244
CAL	YEAR	2010	TOTAL	3418	MEAN	9.4	MAX	210.0	MIN	3.1	AC-FT	6780
WTR	YEAR	2011	TOTAL	2375	MEAN	6.5	MAX	152.0	MIN	2.4	AC-FT	4710

e indicates estimated discharge.

# REPUBLICAN RIVER BASIN

## MUDDY CREEK at Arapahoe, 06844000

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

DRAINAGE AREA.--246 square miles.

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 287 cubic feet per second June 20, gage height 10.77 feet; minimum daily discharge 2.4 cubic feet per second August 25.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.0	6.1	6.4e	6.6e	6.2e	8.0e	8.2	7.2	8.5	9.7	5.7	6.4
2	5.1	6.2	6.6e	6.7e	6.2e	8.3	8.2	7.3	8.4	9.3	5.6	5.9
3	4.9	6.2	6.8	6.8e	6.4e	8.2	8.1	7.4	12	13	5.5	5.7
4	4.9	6.2	6.7	6.9e	6.6e	8.3	8.1	7.3	11	10	6.1	5.6
5	5.0	6.3	6.8e	6.9e	6.9e	8.3	7.8	20	9.8	10.0	104	5.5
6	5.0	6.3	6.8e	6.9e	6.7e	8.3	7.7	22	9.4	14	24	5.4
7	5.1	6.3	6.8e	7.2e	6.7e	8.5	7.7	7.3	9.6	22	10	5.5
8	5.0	6.3	6.9e	7.0e	6.6e	8.4	8.0	7.3	9.6	17	8.2	5.6
9	5.0	6.5	7.0	6.7e	6.5e	8.7	8.0	7.4	9.0	16	7.5	5.5
10	5.3	6.5	6.7	6.7e	6.8e	8.8	7.8	7.3	9.3	12	9.0	4.7
11	5.4	6.5	6.8	6.6e	7.1e	9.1	7.6	7.4	8.1	10	9.3	4.6
12	5.4	6.8	6.5e	6.6e	7.4e	9.0	7.5	7.7	8.4	9.9	6.8	9.3
13	5.4	6.9	6.7e	6.6e	7.6e	8.9	7.4	8.1	8.4	9.6	6.4	4.7
14	5.5	6.8	6.8e	6.8e	7.9e	8.7	7.7	8.1	8.4	9.1	6.2	4.6
15	5.4	6.8	6.8e	6.9e	8.1e	8.7	8.9	8.1	8.3	9.3	6.3	4.7
16	5.3	6.8	6.9e	6.6e	8.2e	8.5	8.7	7.9	9.1	8.9	6.0	5.0
17	5.4	6.7	6.9e	6.6e	8.4e	8.4	8.5	7.8	9.9	8.8	5.8	5.1
18	5.5	6.8	6.9e	6.8e	8.3e	8.4	8.1	8.7	9.6	7.9	5.7	5.0
19	5.6	6.7	6.9e	6.8e	8.2e	8.2	8.5	9.1	9.3	7.3	5.7	5.0
20	5.7	6.8	6.9e	6.6e	8.2e	8.2	8.0	9.2	47	7.6	5.6	5.0
21	5.6	6.8	7.0e	6.7e	7.6e	8.2	7.6	8.9	175	6.7	5.6	4.9
22	5.8	6.8	6.9e	6.8e	7.5e	8.3	7.5	8.5	81	6.4	5.6	4.8
23	6.0	6.7	6.9e	7.0e	7.6e	8.2	7.5	8.2	23	6.4	5.6	4.8
24	6.1	6.8	6.9e	7.1e	7.9e	8.0	7.6	9.8	13	6.5	5.6	4.8
25	6.1	6.7	6.9e	7.3e	7.7e	7.9	7.9	39	11	6.6	5.6	4.8
26	6.1	7.1	6.8e	7.4e	7.4e	8.0	7.9	20	10	6.5	6.9	4.7
27	6.5	7.2	6.8e	7.5e	7.2e	8.1	7.7	24	10	6.2	5.6	4.6
28	5.8	7.1	6.9e	7.3e	7.4e	8.1	7.5	15	10.0	6.3	5.6	4.6
29	6.0	6.9	6.9e	7.2e	---	8.2	7.4	10	9.8	6.1	6.0	4.4
30	6.1	6.4e	6.9e	6.8e	---	8.2	7.3	9.2	9.6	6.0	9.9	4.5
31	6.1	---	6.7e	6.4e	---	8.1	---	8.7	---	5.8	8.3	---
TOTAL	171.1	199	211.2	212.8	205.3	259.2	236.4	343.9	575.5	290.9	319.7	155.7
MEAN	5.5	6.6	6.8	6.9	7.3	8.4	7.9	11.1	19.2	9.4	10.3	5.2
MAX	6.5	7.2	7.0	7.5	8.4	9.1	8.9	39	175	22	104	9.3
MIN	4.9	6.1	6.4	6.4	6.2	7.9	7.3	7.2	8.1	5.8	5.5	4.4
AC-FT	339	395	419	422	407	514	469	682	1141	577	634	309
CAL	YEAR	2010	TOTAL	4636	MEAN	12.7	MAX	306.0	MIN	4.9	AC-FT	9196
WTR	YEAR	2011	TOTAL	3181	MEAN	8.7	MAX	175.0	MIN	4.4	AC-FT	6309

e indicates estimated discharge.

# REPUBLICAN RIVER BASIN

## TURKEY CREEK at Furnas - Gosper County Line, 00231700

LOCATION.--NE1/4NE1/4 Sec. 2-4-22 W., Furnas County, Lat. 40° 21' 04", Long. 99° 45' 47", on right bank 10 feet downstream from bridge on County Road 726, 5 miles north and 1 mile east of Edison.

DRAINAGE AREA.--67.0 square miles.

GAGE.--Continuous stage recorder. Gage datum is 2,159.71 feet above sea level, NGVD 1929 established by NDNR surveyors June 5, 2006.

PERIOD OF RECORD.--September 13, 2005 - present

REMARKS.--Gage established September 13, 2005 under agreement with the Tri-Basin Natural Resources District. Records are good, except estimated records are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,340 cubic feet per second May 24, gage height 17.56 feet; minimum daily discharge 9.5 cubic feet per second August 2.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12	14	14e	17e	16e	18	18	20	20	20	9.9	13
2	13	14	14	12e	15e	18	17	20	65	30	9.5	13
3	12	14	14	13e	14e	18	17	20	39	30	10	14
4	13	14	14	15e	15e	19	17	20	23	27	11	13
5	13	14	14	16e	16e	18	16	20	21	19	14	10
6	13	14	14	17e	17e	18	17	21	20	22	23	11
7	13	14	14	18e	16e	18	17	21	20	53	12	11
8	13	14	14	17e	15e	18	18	21	19	20	11	10
9	13	15	14	16e	14e	19	18	21	20	15	12	10
10	13	15	15	17e	14e	19	18	20	20	17	16	10.0
11	14	14	15e	14e	15e	19	17	19	20	21	16	10.0
12	14	15	15e	14e	16e	19	17	19	20	16	14	10.0
13	14	15	15e	14e	16e	18	17	20	20	16	13	10
14	14	14	15e	15e	17e	19	18	19	21	16	14	10
15	14	14	16	16e	17	18	30	19	20	15	14	11
16	14	14	15	13e	18	18	24	19	22	15	14	11
17	14	15	15	13e	18	18	21	19	24	15	14	11
18	14	14	15e	15e	17	18	20	21	20	14	15	11
19	14	14	15e	14e	17	18	22	22	28	13	14	11
20	14	14	15e	14e	18	18	21	22	199	13	14	11
21	14	14	15e	14e	18	18	20	21	62	12	13	11
22	14	15	15	14e	18	19	21	20	29	13	13	11
23	15	14	14e	15e	18	18	20	20	23	13	13	11
24	15	14	14e	16	18	17	20	174	23	12	13	11
25	15	14e	15e	16	18e	18	21	361	24	13	11	11
26	15	14e	15e	16	18e	18	21	69	23	12	11	11
27	14	14	14e	17	18e	18	21	32	23	11	11	11
28	14	14	14e	17	18e	18	20	25	21	11	11	11
29	14	15	15e	17	---	18	21	24	23	11	11	11
30	15	14e	16	17	---	17	21	24	20	10	33	11
31	15	---	17e	16e	---	18	---	22	---	10.0	18	---
TOTAL	428	427	456	475	465	563	586	1195	932	535	428.4	331
MEAN	13.7	14.3	14.7	15.3	16.6	18.1	19.5	38.5	31.0	17.4	13.8	11.0
MAX	15	15	17	18	18	19	30	361	199	53	33	14
MIN	12	14	14	12	14	17	16	19	19	10.0	9.5	10.0
AC-FT	849	847	904	942	922	1117	1162	2370	1849	1061	850	657
CAL	YEAR	2010	TOTAL	6980	MEAN	19.1	MAX	152.0	MIN	10.0	AC-FT	13840
WTR	YEAR	2011	TOTAL	6821	MEAN	18.7	MAX	361.0	MIN	9.5	AC-FT	13530

e indicates estimated discharge.

# REPUBLICAN RIVER BASIN

## TURKEY CREEK at Edison, 06844210

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

DRAINAGE AREA.--74.9 square miles.

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

PERIOD OF RECORD.--1977 - present

REMARKS.--Published by the USGS up to Oct. 1, 1993. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 1,510 cubic feet per second June 16, 1996, gage height 16.62 feet; minimum daily discharge 0.01 cubic feet per second September 6, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharge 947 cubic feet per second May 25, gage height 14.25 feet; minimum daily discharge 8.9 cubic feet per August 27 and 28.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12	15	20e	16e	19e	20	19	19	23	20	11	12
2	12	15	20	16e	19e	19	19	18	27	20	11	11
3	12	15	19	16e	17e	19	18	18	82	32	11	11
4	12	15	18	17e	19e	20	18	19	28	25	11	11
5	12	15	18e	20e	23e	19	18	18	24	20	15	11
6	13	16	19e	22e	27e	19	18	18	23	21	19	11
7	13	16	19e	22e	27e	19	18	18	22	50	15	12
8	13	16	19e	21e	25e	19	19	19	21	40	12	11
9	12	16	18	19e	22e	19	19	18	21	22	12	11
10	13	17	18	18e	19e	19	19	18	21	20	14	11
11	13	17	18	15e	18e	19	18	17	21	31	14	11
12	13	17	18	15e	18e	20	18	17	21	20	13	11
13	13	17	18e	16e	21e	19	18	17	21	19	12	11
14	13	17	18e	19e	22e	19	18	17	21	20	12	11
15	13	17	17e	19e	25e	19	25	17	21	19	13	11
16	13	17	17e	16e	24e	19	29	17	23	18	13	12
17	13	18	16e	16e	24e	19	21	17	25	17	13	12
18	14	17	16e	19e	21e	19	20	18	23	17	13	12
19	14	17	16e	19e	21	18	22	20	23	16	12	12
20	14	17	16e	16e	21	19	21	21	126	16	11	12
21	14	17	15e	20e	21	19	20	19	111	16	11	11
22	14	18	15e	25e	22	19	19	19	38	15	11	12
23	15	18	15e	27e	21	19	20	18	26	15	11	12
24	15	17e	14e	27e	21e	18	19	27	23	14	11	12
25	15	17e	14e	27e	20e	18	20	555	23	14	9.9	12
26	15	17e	14e	26e	19e	19	20	99	23	14	9.1	12
27	15	18e	15e	25e	18e	19	20	39	23	13	8.9	12
28	14	18e	19e	26e	20e	19	19	26	22	14	8.9	12
29	14	18	19e	24e	---	19	19	24	21	13	9.1	12
30	15	19e	20e	23e	---	19	19	24	21	13	22	11
31	15	---	20e	20e	---	19	---	23	---	12	17	---
TOTAL	418	504	538	627	594	589	590	1234	948	616	385.9	345
MEAN	13.4	16.8	17.4	20.2	21.2	19.0	19.7	39.8	31.6	19.9	12.4	11.5
MAX	15	19	20	27	27	20	29	555	126	50	22	12
MIN	12	15	14	15	17	18	18	17	21	12	8.9	11
AC-FT	829	1000	1067	1244	1178	1168	1170	2448	1880	1222	765	684
CAL	YEAR	2010	TOTAL	7143	MEAN	19.6	MAX	177.0	MIN	9.3	AC-FT	14170
WTR	YEAR	2011	TOTAL	7389	MEAN	20.2	MAX	555.0	MIN	8.9	AC-FT	14660

e indicates estimated discharge.



# REPUBLICAN RIVER BASIN

## BEAVER CREEK near Beaver City, 06847000

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

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

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

PERIOD OF RECORD.--1936 - present (Some records are monthly discharge only, published in USGS WSP1310).

REMARKS.--Published by the USGS up to October 1, 1994. Records are fair, except estimated records and records below 5 cubic feet per second are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 8.3 cubic feet per second May 25, gage height 3.12 feet; minimum daily discharge 0.15 cubic feet per second September 26.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.62	0.88	1.5	1.3e	1.6e	1.5	1.8	1.2	1.8	0.51	0.54	0.46
2	0.60	0.88	1.5	1.2e	1.3e	1.5	1.8	1.1	2.3	0.48	0.48	0.39
3	0.61	0.92	1.6	1.1e	1.2e	1.6	1.8	1.2	2.0	0.69	0.45	0.39
4	0.60	0.97	1.6	0.97e	1.2e	1.7	1.7	1.3	1.7	0.70	0.74	0.38
5	0.55	1.0	1.5	0.93e	1.4e	1.5	1.6	1.3	1.5	0.56	1.0	0.36
6	0.53	1.1	1.5	0.96e	1.6e	1.6	1.6	1.4	1.5	1.5	0.74	0.36
7	0.50	1.1	1.5	1.0e	1.5e	1.6	1.8	1.4	1.4	1.7	0.84	0.35
8	0.52	1.1	1.5	1.0e	1.5e	1.8	1.9	1.4	1.2	0.97	0.76	0.34
9	0.48	0.97	1.5	0.78e	1.3e	1.7	1.7	1.2	1.3	0.79	0.68	0.31
10	0.46	0.92	1.5	0.69e	1.2e	1.7	1.6	0.97	1.4	0.83	0.81	0.29
11	0.60	0.89	1.6	0.62e	1.2e	2.0	1.4	0.91	1.4	1.5	0.74	0.24
12	0.62	0.94	1.5e	0.64e	1.2e	2.1	1.3	0.88	1.4	1.1	0.63	0.22
13	0.61	0.86	1.5e	0.77e	1.3e	1.9	1.3	0.86	1.5	1.2	0.59	0.20
14	0.63	0.86	1.4e	0.92e	1.4e	2.0	1.5	0.85	1.5	3.3	0.55	0.22
15	0.59	0.87	1.4e	0.95e	1.6e	2.0	2.2	0.89	1.3	2.0	0.58	0.23
16	0.59	0.90	1.4e	0.71e	1.7e	2.1	1.7	1.0	1.1	1.2	0.58	0.25
17	0.63	0.93	1.3e	0.60e	1.7e	2.2	1.2	0.92	1.0	1.0	0.48	0.25
18	0.63	0.98	1.3e	0.74e	1.6e	2.1	1.1	1.6	1.0	0.87	0.46	0.26
19	0.71	1.0	1.4e	0.69e	1.6e	2.0	1.9	2.1	1.0	0.78	0.49	0.26
20	0.69	1.0	1.4e	0.78e	1.7e	2.1	1.7	1.7	1.4	0.74	0.47	0.22
21	0.70	1.1	1.3e	0.90e	1.7e	2.1	1.1	1.3	1.6	0.70	0.42	0.19
22	0.79	1.1	1.3e	1.1e	1.6e	2.0	1.1	1.2	1.4	0.73	0.39	0.17
23	0.85	1.2	1.3e	1.5e	1.5e	1.8	0.96	1.0	1.0	0.71	0.36	0.17
24	0.78	1.2	1.2e	1.4e	1.5e	1.7	1.1	1.3	0.83	0.64	0.32	0.16
25	0.87	1.1	1.2e	1.6e	1.6e	1.6	1.3	5.3	0.85	0.63	0.30	0.16
26	0.90	1.2	1.2e	1.7e	1.6e	1.7	1.4	5.3	0.81	0.63	0.29	0.15
27	0.87	1.2	1.2e	1.7	1.4e	1.7	1.2	3.4	0.81	0.57	0.28	0.18
28	0.88	1.4	1.3e	1.8	1.6e	1.7	1.1	2.6	0.74	0.58	0.27	0.17
29	0.98	1.4	1.3e	1.8	---	1.7	1.2	2.4	0.65	0.60	0.31	0.16
30	0.99	1.4	1.3e	1.6e	---	1.8	1.2	2.3	0.60	0.58	0.69	0.16
31	0.98	---	1.2e	1.6e	---	1.9	---	1.8	---	0.56	0.58	---
TOTAL	21.36	31.37	43.2	34.05	41.3	56.4	44.26	52.08	37.99	29.35	16.82	7.65
MEAN	0.69	1.0	1.4	1.1	1.5	1.8	1.5	1.7	1.3	0.95	0.54	0.26
MAX	0.99	1.4	1.6	1.8	1.7	2.2	2.2	5.3	2.3	3.3	1.0	0.46
MIN	0.46	0.86	1.2	0.60	1.2	1.5	0.96	0.85	0.60	0.48	0.27	0.15
AC-FT	42	62	86	68	82	112	88	103	75	58	33	15
CAL	YEAR	2010	TOTAL	727	MEAN	2.0	MAX	14.0	MIN	0.45	AC-FT	1442
WTR	YEAR	2011	TOTAL	416	MEAN	1.1	MAX	5.3	MIN	0.15	AC-FT	825

e indicates estimated discharge.

# REPUBLICAN RIVER BASIN

## HARLAN COUNTY RESERVOIR near Republican City, 06849000

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

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

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

PERIOD OF RECORD.--November 1952 - present

REMARKS.--Values furnished by the USBR Great Plains Region web page. Published by the USGS up to Oct. 1, 1994.

### STORAGE ( AC-FT ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	303405	303015	308816	318364	328105	329187	327023	324452	334397	334397	313715	305639
2	303275	303275	309081	318634	328105	329729	326889	324046	335365	333291	312656	305772
3	303144	303665	309081	318905	328240	330270	326889	323775	335365	332599	311598	306037
4	302758	303405	309611	319040	328376	330811	326889	323775	335365	331771	311333	305905
5	302500	303275	309877	319311	328376	331355	326482	324046	334812	331217	311465	305507
6	302629	303144	310273	319582	328646	331632	326211	323639	334258	331217	311465	304846
7	302629	303275	310405	319988	328780	332322	325940	323505	334258	332322	310935	304448
8	302629	303405	310803	320528	329187	332738	325805	323234	334120	332599	311200	304056
9	302758	303536	311200	321746	329187	332738	325670	323505	334120	333568	310935	303926
10	302500	304056	311465	321746	329593	333843	325670	323370	334397	333014	310935	303926
11	303144	303795	312656	322015	329593	334535	325399	323234	334535	332738	310538	303665
12	303405	304317	312126	322286	329729	334950	324994	323775	335089	332047	310273	303405
13	303275	304846	311994	322557	329864	335365	324587	324181	334950	330811	310273	303275
14	303144	304846	312259	322964	330135	335917	324317	324046	335227	330404	309611	303275
15	303015	304978	312259	323234	329999	336471	326753	323910	335504	329593	308684	302886
16	303015	305507	313054	323639	329999	336886	325670	323910	336471	328916	308816	304187
17	303015	305639	313186	323910	329864	337576	325265	323505	336333	327834	308420	302758
18	303015	305905	313452	324181	329729	337438	325129	324317	336886	327023	307493	303015
19	303015	306170	313847	324452	329729	337025	325805	325129	337025	325940	306832	302886
20	303144	306302	314112	325129	329864	336886	325670	325805	336333	324587	307096	302758
21	303144	306700	314642	325265	329999	336609	325265	326753	338268	323639	306832	302758
22	303015	307096	314907	325534	329729	335365	325265	327293	338684	322557	306832	302500
23	303144	307096	315039	325940	329729	334397	325399	327158	338545	321340	306302	302371
24	303405	307228	315700	326076	329593	332184	324994	327834	338268	320258	305639	302371
25	303405	307758	315965	326347	329864	330540	324858	329999	337853	319175	304713	302371
26	304056	308155	316230	326618	329593	329729	325399	331217	337576	317687	303795	302243
27	303536	308023	316496	326618	329322	329187	325129	333014	337715	316892	303015	302243
28	303536	308023	316761	326889	329728	328511	325129	333982	337300	316363	302243	302243
29	302886	308684	316892	327023		328240	324317	334258	336471	315833	301472	302114
30	303144	309479	317554	327158		327699	325399	334674	336194	315172	304056	302371
31	302886		318364	327970		327834		335366		314377	305905	
MIN	302500	303015	308816	318364	328105	327699	324317	323234	334120	314377	301472	302114
MAX	304056	309479	318364	327970	330135	337576	327023	335366	338684	334397	313715	306037
AVG	303083	305487	313165	323344	329381	332838	325607	326475	336056	326425	308228	303525

# REPUBLICAN RIVER BASIN

## NAPONEE CANAL from Republican River, 00105000

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

GAGE.--Sparling Meter

PERIOD OF RECORD.--1955 - present

REMARKS.-- Values furnished by the USBR Great Plains Region web page.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.82	13.40	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.33	33.80	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.67	11.91	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.03	10.02	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.07	8.82	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.59	8.80	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.81	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.83	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.84	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.22	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.55	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.67	0.47	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.63	12.12	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.67	15.02	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.91	16.03	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.89	16.18	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.58	12.15	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.95	3.02	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.03	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.08	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.76	4.10	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.84	10.17	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.22	11.18	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.88	12.75	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.71	11.25	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.06	10.28	0.00
29	0.00	0.00	0.00	0.00		0.00	0.00	0.00	6.67	14.55	8.87	0.00
30	0.00	0.00	0.00	0.00		0.00	0.00	0.00	12.97	12.70	2.97	0.00
31	0.00		0.00	0.00		0.00		0.00		11.90	0.00	
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.97	18.08	16.18	0.00
AVG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.65	10.74	7.84	0.00
TOT, KAF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.661	0.482	0.000
TOT, CFS	0	0	0	0	0	0	0	0	20	333	243	0

# REPUBLICAN RIVER BASIN

## FRANKLIN CANAL from Republican River, 00053000

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

GAGE.--Continuous stage recorder and orifice

PERIOD OF RECORD.--1954 - present

REMARKS.-- Values furnished by the USBR Great Plains Region web page.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	197.68	175.37	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	197.14	187.77	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.98	187.69	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.51	175.18	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	196.22	78.03	86.01
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	115.42	0.00	127.91
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.07	0.00	112.69
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.30	92.09
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	160.61	37.03
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.73	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.89	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	161.41	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	190.81	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.35	85.84	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.62	145.35	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.39	164.11	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	183.15	163.95	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	197.28	163.78	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	205.76	154.86	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	217.44	64.28	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	228.91	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.49	228.61	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95.97	228.27	86.77	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	86.25	227.94	129.11	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.41	227.61	129.35	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.37	227.23	128.81	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.64	226.93	128.70	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	118.52	181.69	128.58	0.00
29	0.00	0.00	0.00	0.00		0.00	0.00	0.00	154.82	129.86	128.47	0.00
30	0.00	0.00	0.00	0.00		0.00	0.00	0.00	198.21	112.67	64.13	0.00
31	0.00		0.00	0.00		0.00		0.00		130.41	1.13	
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	198.21	228.91	187.77	127.91
AVG	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.96	163.62	97.35	15.19
TOT, KAF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.902	10.061	5.986	0.904
TOT, CFS	0	0	0	0	0	0	0	0	959	5072	3018	456

# REPUBLICAN RIVER BASIN

## TURKEY CREEK at Naponee, 06850000

LOCATION.--SW1/4SW1/4 Sec. 4-1-16 W., Franklin County, Lat. 40° 04' 35", Long. 99° 08' 18", on the right, downstream abutment on the road bridge at the Naponee City Park, Naponee.

DRAINAGE AREA.--129 square miles.

GAGE.--Continuous stage recorder. Gage datum 1,870.00 feet (Corps of Engineers bench mark).

PERIOD OF RECORD.--Published by USGS at as a continuous record site 1948 - 1953, published as a miscellaneous or partial record site 1954 - 1989, crest-stage partial record station 1991 - 2002, continuous record site by Nebraska Department of Natural Resources 2003 - present.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 434 cubic feet per second August 30, gage height 5.03 feet; minimum daily discharge 5.1 cubic feet per second August 2.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.0	9.5	9.9	8.9e	8.4e	9.9	10	11	15	8.0	5.8	23
2	8.1	9.3	9.5	9.1e	8.5e	9.7	10	11	64	7.0	5.1	15
3	8.3	9.1	9.6	9.4e	8.7e	10.0	9.8	10	25	7.9	6.1	13
4	8.7	9.0	9.4	9.5e	9.2e	9.8	9.5	10	23	7.7	14	11
5	8.4	9.1	9.3	9.7e	9.8e	9.8	9.7	10	16	7.9	11	11
6	8.3	9.4	9.4	11e	9.9e	9.9	9.5	10	13	15	10	10
7	8.3	9.3	9.5	9.4e	8.2e	9.7	9.7	10	12	22	15	10
8	8.1	9.4	9.6	8.7e	6.4e	9.9	9.7	11	11	16	10	9.6
9	8.4	9.5	9.8	8.4e	7.0e	9.8	10	11	11	14	9.1	9.3
10	9.1	9.2	9.7	8.4e	7.3e	10.0	9.7	11	11	11	10	9.0
11	9.8	9.1	9.6e	8.4e	8.1e	10.0	9.5	10	11	9.7	8.8	8.9
12	9.1	9.6	9.3e	8.5e	11e	9.9	9.6	11	12	8.0	8.1	8.6
13	9.0	9.4	9.3e	9.2e	12	9.9	9.4	11	12	8.4	8.1	8.4
14	9.1	9.3	9.2e	9.2e	11	10	10	10	12	9.2	7.5	8.3
15	9.1	9.4	9.2e	9.3e	11	10	12	11	12	8.1	7.9	8.3
16	9.1	9.7	9.3e	9.1e	10	10	10	11	14	6.8	7.2	8.6
17	9.1	9.9	8.9e	9.3e	9.9	9.9	11	10	13	6.9	7.9	8.6
18	9.1	9.6	9.1e	8.8e	9.3	9.9	10	12	22	6.9	7.7	8.6
19	9.1	9.7	9.3	8.8e	9.4	10	12	14	22	7.2	7.0	8.2
20	9.0	9.5	9.3	8.9e	9.6	10	11	17	15	6.7	10	7.9
21	9.0	9.6	9.3	9.2e	10e	10	10	26	63	7.1	7.8	7.7
22	9.1	9.6	8.7e	9.2e	10e	11	10	15	92	7.7	7.6	7.9
23	9.4	9.4	8.8e	9.1e	9.5e	11	11	12	21	6.9	7.3	7.7
24	9.3	9.6	8.8e	9.0e	9.1e	11	11	14	14	6.4	7.0	7.6
25	9.4	9.4	8.7e	9.2	9.3e	11	12	47	12	6.8	6.7	7.7
26	9.4	9.4	8.6e	9.2	9.5e	11	12	34	11	6.4	6.2	7.6
27	9.2	9.5	8.9e	9.5	9.7	11	12	28	10	5.9	5.3	7.6
28	9.5	9.7	8.9	9.8	9.7	11	11	19	9.6	7.5	5.6	7.6
29	9.7	9.3	9.2	9.5	---	10	11	16	9.7	7.8	5.7	7.3
30	10.0	9.1	9.3	8.8e	---	10	11	15	8.9	7.6	174	7.6
31	9.7	---	9.1e	8.6e	---	10	---	14	---	7.0	50	---
TOTAL	278.9	282.6	286.5	283.1	261.5	315.1	313.1	462	597.2	271.5	459.5	281.6
MEAN	9.0	9.4	9.2	9.1	9.4	10.2	10.5	14.9	19.9	8.8	14.8	9.4
MAX	10.0	9.9	9.9	11	12	11	12	47	92	22	174	23
MIN	8.0	9.0	8.6	8.4	6.4	9.7	9.4	10	8.9	5.9	5.1	7.3
AC-FT	553	561	568	562	519	625	621	916	1185	539	911	559
CAL	YEAR	2010	TOTAL	5087	MEAN	13.9	MAX	287.0	MIN	6.1	AC-FT	10090
WTR	YEAR	2011	TOTAL	4093	MEAN	11.2	MAX	174.0	MIN	5.1	AC-FT	8118

e indicates estimated discharge.

# REPUBLICAN RIVER BASIN

## CENTER CREEK at Franklin, 06851000

LOCATION.--SE1/4SW1/4 Sec. 36-2-15 W. at Franklin, Franklin County, Latitude 40°05'33", Longitude 98°57'53", on the left bank at the downstream side of the Franklin County bridge at the southwest edge of Franklin.

DRAINAGE AREA.--770 square miles, of which approximately 56 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage Datum is 1,828.50 feet above sea level.

PERIOD OF RECORD.--1948 - 1956, Annual peaks and occasional low flow measurements 1961 - 1968, 1968 - 1975, 1977 - 1994, 2003 - present.

REMARKS.--Published by the USGS up to Oct. 1, 1993. Records are fair, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,390 cubic feet per second July 14, at gage height 7.34 feet; minimum daily discharge 2.1 cubic feet per second June 30.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.1	5.5	6.1	5.1e	4.8e	6.4	5.6	5.9	9.3	2.5	4.7	13
2	4.1	5.5	5.7	5.2e	4.6e	6.7	5.5	6.0	254	2.5	4.3	7.2
3	4.5	5.2	5.7	5.3e	4.7e	6.5	5.3	5.9	27	3.7	4.7	7.5
4	4.5	5.3	5.7	5.5e	5.2e	6.3	5.3	5.6	9.4	3.6	5.6	7.2
5	4.4	5.5	5.7	5.3e	5.5e	6.8	5.4	5.7	8.0	3.5	6.1	6.9
6	4.5	5.5	5.9	5.3	5.2e	6.6	5.1	5.6	7.1	6.7	5.1	7.2
7	4.6	5.3	5.7	5.3	4.7e	6.8	5.2	5.3	6.5	7.0	6.5	7.0
8	4.3	5.3	5.7	5.3e	4.7e	6.7	5.2	5.2	6.1	4.5	5.9	6.5
9	4.5	5.3	5.4	5.0e	4.7e	6.5	5.1	5.0	5.9	4.2	6.4	6.2
10	4.6	5.2	5.6	5.0e	4.8e	6.5	4.9	4.8	5.8	4.0	10	6.1
11	5.0	5.5	5.9e	5.0e	5.0e	6.1	4.9	5.0	5.7	3.9	6.9	6.0
12	4.8	5.6	5.9e	4.7e	5.7e	6.1	4.8	4.9	5.5	4.0	6.2e	6.0
13	4.8	5.5	5.7e	4.4e	7.1	6.2	4.8	4.8	5.4	17	6.0e	5.8
14	4.9	5.6	5.2e	4.8e	6.1	6.3	5.5	4.7	5.1	168	5.7e	5.8
15	4.8	5.7	5.5	4.8e	6.0	6.2	6.3	4.6	4.8	6.2	5.3	5.8
16	4.9	5.6	5.6	5.1e	5.9	6.2	5.5	4.5	5.6	4.8	6.7	6.0
17	5.0	5.7	5.4e	5.3e	5.8	6.2	5.1	4.2	4.8	4.5	5.3	5.9
18	4.8	5.6	5.4e	5.1e	5.9	6.1	5.2	4.7	7.9	4.3	4.7	5.8
19	4.8	5.7	5.4	4.7e	5.8	6.2	6.1	5.7	3.8	2.9	6.1	6.3
20	5.0	5.8	5.4	5.2e	5.8	6.2	5.5	4.8	4.3	3.3	28	6.0
21	5.0	5.8	5.4	4.8e	5.7e	6.1	5.6	4.4	4.9	5.3	14	6.2
22	4.8	5.9	5.4	5.3e	5.5e	6.1	5.6	4.1	18	3.8	5.4	6.3
23	4.8	6.1	5.2e	5.8e	6.0	6.0	5.7	3.8	12	4.0	5.5	6.1
24	4.7	6.0	5.1e	5.7	6.0e	6.3	5.9	15	3.9	4.3	8.5	6.0
25	4.7	6.4	5.1e	6.1	5.1e	6.3	7.0	37	3.8	4.9	6.8	5.9
26	5.0	6.2	5.1e	6.1	5.5e	6.4	6.6	28	4.2	5.3	4.9	5.8
27	5.0	6.0	5.2e	5.9	5.9e	6.3	6.1	12	3.9	4.6	4.9	5.6
28	5.1	5.8	5.1e	5.9	6.7	6.3	5.9	6.1	3.2	6.9	6.0	5.4
29	5.3	5.8	5.4	5.9	---	6.1	5.8	5.7	3.3	5.2	8.0	5.2
30	5.4	6.1	5.2	5.7e	---	6.1	5.8	5.5	2.1	5.5	164	5.4
31	5.3	---	5.1e	5.5e	---	5.8	---	5.8	---	4.9	32	---
TOTAL	148	170	169.9	164.1	154.4	195.4	166.3	230.3	451.3	315.8	400.2	192.1
MEAN	4.8	5.7	5.5	5.3	5.5	6.3	5.5	7.4	15.1	10.2	12.9	6.4
MAX	5.4	6.4	6.1	6.1	7.1	6.8	7.0	37	254	168	164	13
MIN	4.1	5.2	5.1	4.4	4.6	5.8	4.8	3.8	2.1	2.5	4.3	5.2
AC-FT	294	337	337	325	306	388	330	457	895	626	794	381
CAL	YEAR	2010	TOTAL	3947	MEAN	10.8	MAX	773.0	MIN	2.3	AC-FT	7830
WTR	YEAR	2011	TOTAL	2758	MEAN	7.6	MAX	254.0	MIN	2.1	AC-FT	5470

e indicates estimated discharge.

# REPUBLICAN RIVER BASIN

## FRANKLIN PUMP CANAL from Republican River, 00054000

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 the USBR Great Plains Region web page.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	18.52	0.00	0.00
2	---	---	---	---	---	---	---	---	---	22.56	6.40	0.00
3	---	---	---	---	---	---	---	---	---	15.55	10.40	0.00
4	---	---	---	---	---	---	---	---	---	13.95	10.10	0.00
5	---	---	---	---	---	---	---	---	---	18.78	2.60	0.00
6	---	---	---	---	---	---	---	---	---	6.60	0.00	0.00
7	---	---	---	---	---	---	---	---	---	0.00	0.00	0.00
8	---	---	---	---	---	---	---	---	---	0.00	0.00	0.00
9	---	---	---	---	---	---	---	---	---	0.00	0.00	0.00
10	---	---	---	---	---	---	---	---	---	0.00	0.00	---
11	---	---	---	---	---	---	---	---	---	0.00	0.00	---
12	---	---	---	---	---	---	---	---	---	0.00	0.00	---
13	---	---	---	---	---	---	---	---	---	1.90	0.00	---
14	---	---	---	---	---	---	---	---	---	4.70	0.00	---
15	---	---	---	---	---	---	---	---	0.00	0.00	0.00	---
16	---	---	---	---	---	---	---	---	5.13	0.00	0.00	---
17	---	---	---	---	---	---	---	---	0.00	3.60	0.00	---
18	---	---	---	---	---	---	---	---	0.00	20.37	2.60	---
19	---	---	---	---	---	---	---	---	0.00	22.65	11.20	---
20	---	---	---	---	---	---	---	---	0.00	22.36	3.30	---
21	---	---	---	---	---	---	---	---	0.00	22.33	0.00	---
22	---	---	---	---	---	---	---	---	0.00	15.58	0.00	---
23	---	---	---	---	---	---	---	---	0.00	3.60	0.00	---
24	---	---	---	---	---	---	---	---	0.00	0.00	0.00	---
25	---	---	---	---	---	---	---	---	0.00	8.20	0.00	---
26	---	---	---	---	---	---	---	---	0.00	15.34	0.00	---
27	---	---	---	---	---	---	---	---	0.00	23.32	0.00	---
28	---	---	---	---	---	---	---	---	1.70	7.60	2.00	---
29	---	---	---	---	---	---	---	---	12.74	0.00	14.33	---
30	---	---	---	---	---	---	---	---	12.00	0.00	4.90	---
31	---	---	---	---	---	---	---	---	---	0.00	0.00	---
MIN									0.00	0.00	0.00	0.00
MAX									12.74	23.32	14.33	0.00
AVG									1.97	8.63	2.19	0.00
TOT, KAF									0.063	0.531	0.135	0.000
TOT, CFS	0	0	0	0	0	0	0	0	32	268	68	0

# REPUBLICAN RIVER BASIN

## REPUBLICAN RIVER at Riverton, 06851090

LOCATION.--NE1/4NE1/4 Sec. 3-1-13 W., Franklin County, Latitude 40° 05' 20", Longitude 98° 45' 54", on the left, upstream side of the Franklin County Road near the west edge of Riverton, NE.

GAGE.--Continuous stage recorder. Datum of gage is 1,749.80 feet above sea level.

DRAINAGE AREA.--21,260 square miles, of which approximately 14,020 square miles contributes directly to surface runoff.

PERIOD OF RECORD.--USGS miscellaneous site 1963 - 1967, crest-stage gage 1970 - 1978, Department of Natural Resources continuous record 2003 - to present.

REMARKS.--Records are fair, except estimated records and records above 100 cubic feet per second are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 3,580 cubic feet per second May 5, 2007, gage height 9.62 feet; minimum daily discharge zero on August 27, 28, and September 1 - 22, 2004 and August 11, 2005.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,420 cubic feet per second June 6, gage height 6.84 feet; minimum daily discharge 41 cubic feet per second estimated December 12.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	59	51	57	66e	80e	136e	593	279	359	348	261	265
2	57	53	58	65e	76e	126e	460	275	1190	363	289	177
3	57	52	56	69e	77e	121e	410	272	981	376	302	185
4	57	51	56	71e	82e	121e	394	270	644	391	354	160
5	55	51	56	72e	92e	122e	389	269	582	291	305	142
6	53	52	56	83e	110e	121e	383	263	547	395	245	136
7	52	51	58	85e	100e	122e	384	257	324	457	234	135
8	52	50	59	85e	87e	122e	384	256	174	303	234	114
9	51	50	58	72e	82e	122e	380	255	148	189	224	92
10	51	50	56	68e	82e	121e	379	250	136	219	237	83
11	55	52	56	62e	100e	120e	374	196	126	316	196	77
12	54	58	41e	62e	114e	120e	374	161	117	364	158	72
13	51	57	48e	65e	143e	121e	370	149	110	400	149	70
14	51	56	54e	71e	152e	121e	384	142	105	921	230	70
15	51	56	61e	74e	164e	120e	433	139	113	449	235	72
16	51	56	62e	78e	162e	120e	408	137	175	404	177	75
17	50	57	57e	80e	168e	120	387	133	173	388	152	72
18	51	59	53e	87e	168e	241	384	140	172	362	183	70
19	51	57	63e	79e	173e	352	396	178	156	352	216	65
20	50	57	69e	73e	179e	361	387	205	141	354	472	60
21	50	58	73e	73e	161e	367	383	245	142	353	346	60
22	50	58	75e	79e	167e	800	380	213	246	415	248	59
23	50	58	67e	76e	178e	968	377	159	207	374	263	57
24	50	59	60e	79e	153e	976	377	196	172	367	273	57
25	49	58	60e	84e	137e	990	394	844	211	365	272	56
26	50	57	57e	85e	132e	765	405	598	226	358	269	55
27	50	59	52e	95e	130e	623	386	407	256	350	270	54
28	52	59	66e	103e	139e	607	376	419	294	370	265	52
29	53	57	86e	106e	---	600	313	396	326	368	257	50
30	52	56	98e	95e	---	598	285	382	332	297	998	50
31	51	---	65e	82e	---	595	---	378	---	267	717	---
TOTAL	1616	1655	1893	2424	3588	10919	11729	8463	8885	11526	9031	2742
MEAN	52.1	55.1	61.1	78.2	128.1	352.2	390.9	273.0	296.2	371.9	291.3	91.4
MAX	59	59	98	106	179	990	593	844	1190	921	998	265
MIN	49	50	41	62	76	120	285	133	105	189	149	50
AC-FT	3205	3283	3755	4808	7117	21660	23260	16790	17620	22860	17910	5439
CAL	YEAR	2010	TOTAL	124063	MEAN	339.9	MAX	1320	MIN	26.0	AC-FT	246100
WTR	YEAR	2011	TOTAL	74471	MEAN	204.0	MAX	1190	MIN	41.0	AC-FT	147700

e indicates estimated discharge.



# REPUBLICAN RIVER BASIN

## THOMPSON CREEK at Riverton, 06851500

LOCATION.--NW1/4NW1/4 Sec. 2-1-13 W., Franklin County, Lat. 40°05'21", Long. 98°45'38", on left bank 15 feet downstream from bridge on U.S. Highway 136, at west edge of Riverton, and 0.5 miles upstream from the mouth.

DRAINAGE AREA.--290 square miles; approximately 190 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Datum of gage is 1,753.38 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1948 - 1956, Annual peaks 1962 - 1968, occasional low flow measurements 1961 -1968, 1968 - 1975, 1977 - present.

REMARKS.--Published by the USGS up to Oct. 1, 1994. Records are good except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 12,200 cubic feet per second July 9, 1950 at gage height 13.22 feet; minimum daily discharge 5.7 cubic feet per second June 25, 2006.

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,170 cubic feet per second August 30, gage height 10.77 feet; minimum daily discharge 9.6 cubic feet per second estimated December 24.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16	17	17	13e	13e	17	18	20	25	16	58	42
2	16	17	14	14e	13e	19	18	20	317	17	46	17
3	16	17	19	14e	14e	18	18	20	58	21	28	14
4	16	17	18	14e	16e	17	17	19	23	40	31	14
5	16	17	16	14e	22e	18	17	19	20	25	40	14
6	16	17	15	16	23e	17	18	19	23	43	35	16
7	17	17	18	17	21e	17	18	19	24	35	19	16
8	17	17	19	15e	17e	17	18	20	21	19	18	17
9	17	19	19	15e	20e	17	18	19	21	20	23	17
10	18	22	19	14e	19e	17	18	19	20	18	35	17
11	18	22	19	11e	23	18	18	20	19	18	25	17
12	18	22	17e	11e	29	18	17	20	21	20	16	18
13	17	21	13e	11e	27	18	17	19	22	24	16	18
14	17	20	13e	15e	21	18	22	19	20	987	15	19
15	18	19	13e	15e	18	18	27	19	19	185	16	19
16	18	20	13e	16e	19	18	23	19	22	94	16	19
17	17	21	12e	16e	18	19	21	18	20	50	16	18
18	18	20	12e	14e	18	18	20	19	46	45	15	19
19	18	19	15e	15e	17	18	22	25	149	43	26	19
20	18	19	18	14e	18	19	22	28	81	41	88	20
21	18	20	17	15e	21	19	20	22	28	39	23	20
22	18	19	15e	16e	19	19	20	20	359	54	17	20
23	19	19	12e	16e	16	18	19	20	183	64	17	20
24	19	20	9.6e	17e	16	18	19	33	63	63	18	19
25	19	18	10.0e	16e	20e	18	23	370	27	49	16	18
26	18	18	10e	16e	24e	18	25	213	20	32	17	18
27	18	15	10e	16e	26	18	23	91	18	31	17	18
28	18	15	15e	17e	22	18	22	41	18	70	18	17
29	18	14	16	13e	---	18	22	26	17	65	19	18
30	17	17	13	14e	---	18	21	24	17	58	1010	18
31	18	---	13e	13e	---	18	---	68	---	56	159	---
TOTAL	542	555	459.6	453	550	556	601	1328	1721	2342	1913	556
MEAN	17.4	18.6	14.9	14.7	19.6	17.9	20.1	42.9	57.3	75.5	61.9	18.5
MAX	19	22	19	17	29	19	27	370	359	987	1010	42
MIN	16	14	9.6	11	13	17	17	18	17	16	15	14
AC-FT	1075	1101	912	899	1091	1103	1192	2634	3414	4645	3794	1103
CAL	YEAR	2010	TOTAL	11062	MEAN	30.3	MAX	1210	MIN	9.6	AC-FT	21940
WTR	YEAR	2011	TOTAL	11577	MEAN	31.7	MAX	1010	MIN	9.6	AC-FT	22960

e indicates estimated discharge.

# REPUBLICAN RIVER BASIN

## ELM CREEK at Amboy, 06852000

LOCATION.--NE1/4NW1/4 Sec. 3-1-10 W., Webster County, Lat. 40°05'20", Long. 98°26'07", on left bank at downstream side of bridge on U.S. Highway 136, at east edge of Amboy, 400 feet east of Burlington Northern railroad track, 2.5 miles upstream from the mouth, 4.5 miles east of Red Cloud, and 5.5 miles west of Guide Rock.

DRAINAGE AREA.--39.2 square miles.

GAGE.--Continuous stage recorder. Gage datum is 1,659.07 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1948 - 1953, Annual peaks 1959, 1961 - 1977, occasional low flow measurements 1954 - 1977, 1977 - present

REMARKS.--Published by the USGS up to Oct. 1, 1993. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 9,540 cubic feet per second July 4, 2000 at gage height 17.10 feet; minimum daily discharge 6.2 cubic feet per second August 28, 1990.

EXTREMES FOR CURRENT YEAR.--Peak discharge 695 cubic feet per second May 25, gage height 13.81 feet; minimum daily discharge 12 cubic feet per second August 3, 25, 26, and 27.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	14	14	16	16	16e	15	15	16	20	15	13	24
2	14	14	16	16	16e	15	15	16	22	15	13	16
3	14	14	16	16	15e	15	15	16	19	15	12	15
4	14	14	16	16	16e	15	16	16	19	15	13	15
5	14	14	16	16	16	15	16	16	18	15	16	14
6	14	14	16	16	16	15	16	16	18	17	17	14
7	14	14	16	16	16e	15	16	16	17	18	16	14
8	14	15	16	16	15e	15	16	16	17	15	14	14
9	14	15	16	16	15e	15	16	15	17	15	13	14
10	14	15	16	16	15e	15	16	15	17	15	14	14
11	14	15	17	16	15	15	15	15	17	14	13	14
12	14	15	17	16	16	15	15	15	16	14	13	14
13	14	15	17	16	17	15	15	15	16	14	13	14
14	14	15	17	16	19	16	20	15	16	14	13	14
15	14	15	17	16	18	16	22	15	16	14	13	14
16	14	15	17	16	17	16	21	15	17	14	13	14
17	14	16	17	16	16	16	18	15	16	14	13	14
18	14	15	17	16	15	16	16	15	60	14	13	14
19	14	15	17	16	15	16	16	16	20	14	19	14
20	14	15	16	16	15	16	16	158e	17	13	32	14
21	14	15	16	16	14	16	16	29e	16	13	16	14
22	14	15	16	16	14	16	16	20e	16	15	14	14
23	14	15	16	16	14	16	16	18	16	14	13	14
24	14	16	16	16	15	15	16	73	16	14	13	14
25	14	16	16	17	15	16	17	527	16	14	13	14
26	14	16	16	16	15	16	17	94	16	13	12	14
27	14	16	16	17	15	15	16	29	15	13	12	14
28	14	16	16	18	15	15	16	24	15	13	13	14
29	14	16	16	17	---	15	16	22	15	14	13	14
30	14	16	16	17	---	15	16	21	15	13	68	14
31	14	---	16	16e	---	15	---	21	---	13	174	---
TOTAL	434	451	505	502	436	477	493	1330	551	443	657	434
MEAN	13.8	15.0	16.3	16.4	15.5	15.3	16.5	43.0	18.4	14.3	21.2	14.3
MAX	14	16	17	18	19	16	22	527	60	18	174	24
MIN	14	14	16	16	14	15	15	15	15	13	12	14
AC-FT	861	895	1002	996	865	946	978	2638	1093	879	1303	861
CAL	YEAR	2010	TOTAL	7709	MEAN	21.1	MAX	584.0	MIN	12.0	AC-FT	15290
WTR	YEAR	2011	TOTAL	6713	MEAN	18.4	MAX	527.0	MIN	12.0	AC-FT	13320

e indicates estimated discharge.

# REPUBLICAN RIVER BASIN

## COURTLAND CANAL from Republican River, 00031000

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

GAGE.--Continuous stage recorder and orifice

PERIOD OF RECORD.--1952 -present

REMARKS.-- Values furnished by the USBR Great Plains Region web page.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	18.00	224.00	161.00	183.00
2	---	---	---	---	---	---	---	---	18.00	230.00	200.00	163.00
3	---	---	---	---	---	---	---	---	32.00	252.00	246.28	156.00
4	---	---	---	---	---	---	---	45.30	24.00	200.00	213.00	155.00
5	---	---	---	---	---	---	---	63.50	22.00	176.00	151.00	154.00
6	---	---	---	---	---	---	---	48.50	33.00	142.00	137.00	154.00
7	---	---	---	---	---	---	---	28.10	39.30	130.00	135.00	118.00
8	---	---	---	---	---	---	---	29.40	39.20	130.00	108.00	100.00
9	---	---	---	---	---	---	---	30.80	39.20	128.00	90.00	100.00
10	---	---	---	---	---	---	---	107.00	38.60	121.00	98.00	100.00
11	---	---	---	---	---	---	---	166.00	38.00	130.00	98.00	100.00
12	---	---	---	---	---	---	---	190.00	37.70	166.00	98.00	85.30
13	---	---	---	---	---	---	---	199.00	84.50	199.00	97.00	78.10
14	---	---	---	---	---	---	---	188.00	112.00	270.00	97.00	60.30
15	---	---	---	---	---	---	---	178.00	131.00	272.99	98.00	25.40
16	---	---	---	---	---	---	---	172.00	113.00	222.70	98.00	---
17	---	---	---	---	---	---	---	122.00	95.00	214.18	97.00	---
18	---	---	---	---	---	---	---	100.00	100.00	211.94	96.00	---
19	---	---	---	---	---	---	---	103.00	100.00	243.02	97.00	---
20	---	---	---	---	---	---	---	74.30	135.00	257.76	103.00	---
21	---	---	---	---	---	---	---	48.50	149.00	282.35	100.00	---
22	---	---	---	---	---	---	---	46.50	149.00	276.31	145.00	---
23	---	---	---	---	---	---	---	45.30	168.00	242.99	163.00	---
24	---	---	---	---	---	---	---	47.50	176.00	232.60	208.00	---
25	---	---	---	---	---	---	---	60.00	176.00	232.00	235.00	---
26	---	---	---	---	---	---	---	50.00	176.00	236.86	234.00	---
27	---	---	---	---	---	---	---	45.50	177.00	243.15	197.00	---
28	---	---	---	---	---	---	---	45.20	194.00	248.41	176.00	---
29	---	---	---	---	---	---	---	45.00	199.00	204.00	177.00	---
30	---	---	---	---	---	---	---	44.50	206.00	164.00	184.00	---
31	---	---	---	---	---	---	---	45.50	---	162.00	200.00	---
MIN								28.10	18.00	121.00	90.00	25.40
MAX								199.00	206.00	282.35	246.28	183.00
AVG								84.59	100.65	207.91	146.36	115.47
TOT, KAF								4.698	5.989	12.784	9.000	3.436
TOT, CFS	0	0	0	0	0	0	0	2368	3020	6445	4537	1732

# REPUBLICAN RIVER BASIN

## SUPERIOR CANAL from Republican River, 00137000

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 the USBR Great Plains Region web page.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	0.00	77.03	66.74	35.30
2	---	---	---	---	---	---	---	---	0.00	76.97	73.49	10.55
3	---	---	---	---	---	---	---	0.00	0.00	67.84	72.87	---
4	---	---	---	---	---	---	---	0.00	0.00	64.55	66.08	---
5	---	---	---	---	---	---	---	0.00	0.00	66.40	52.00	---
6	---	---	---	---	---	---	---	0.00	0.00	55.13	43.79	---
7	---	---	---	---	---	---	---	0.00	0.00	16.00	43.61	---
8	---	---	---	---	---	---	---	0.00	0.00	0.00	21.72	---
9	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
10	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	---
11	---	---	---	---	---	---	---	0.00	0.00	40.00	0.00	---
12	---	---	---	---	---	---	---	0.00	0.00	69.00	0.00	---
13	---	---	---	---	---	---	---	0.00	0.00	69.00	0.00	---
14	---	---	---	---	---	---	---	0.00	23.00	78.93	0.00	---
15	---	---	---	---	---	---	---	0.00	45.22	84.54	0.00	---
16	---	---	---	---	---	---	---	0.00	46.64	84.48	0.00	---
17	---	---	---	---	---	---	---	0.00	47.00	77.56	0.00	---
18	---	---	---	---	---	---	---	0.00	49.19	69.91	0.00	---
19	---	---	---	---	---	---	---	0.00	48.59	70.84	0.00	---
20	---	---	---	---	---	---	---	0.00	26.78	74.75	0.00	---
21	---	---	---	---	---	---	---	0.00	0.00	69.00	0.00	---
22	---	---	---	---	---	---	---	0.00	22.18	61.32	28.00	0.00
23	---	---	---	---	---	---	---	0.00	48.64	60.00	48.46	0.00
24	---	---	---	---	---	---	---	0.00	52.60	60.17	48.25	0.00
25	---	---	---	---	---	---	---	0.00	56.00	60.09	49.00	0.00
26	---	---	---	---	---	---	---	0.00	56.00	60.00	48.71	0.00
27	---	---	---	---	---	---	---	0.00	56.00	60.00	48.56	0.00
28	---	---	---	---	---	---	---	0.00	62.51	60.39	49.00	0.00
29	---	---	---	---	---	---	---	0.00	73.85	61.92	49.09	0.00
30	---	---	---	---	---	---	---	0.00	77.87	62.00	43.42	0.00
31	---	---	---	---	---	---	---	0.00	---	61.54	39.35	---
MIN								0.00	0.00	0.00	0.00	0.00
MAX								13.08	77.87	84.54	73.49	35.30
AVG								0.50	26.40	58.69	28.78	4.17
TOT, KAF								0.029	1.571	3.609	1.770	0.091
TOT, CFS	0	0	0	0	0	0	0	14	792	1819	892	46

# REPUBLICAN RIVER BASIN

## REPUBLICAN RIVER near Guide Rock, 06853000

LOCATION.--SW1/4NE1/4 Sec. 7-1-9 W., Webster County, Lat. 40°04'05", Long. 98°22'26", on right bank about 0.15 miles downstream of the Diversion Dam for Courtland Canal (00031000). The station is 3.1 river miles upstream of station 06853020, Republican River at Guide Rock.

DRAINAGE AREA.--22,040 square miles, of which 14,550 square miles contributes directly to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is 1,629.13 feet above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--1951 – 1984 operated by USGS, 2009 - present by Nebraska Department of Natural Resources.  
1985 – 2008 the gage, Republican River at Guide Rock, 06853020, was operated 3.1 miles downstream at Nebraska Highway 78 by USGS and Nebraska Department of Natural Resources.

REMARKS.--Published by the USGS 1951 - 1984. Records are fair, except estimated records are poor.

EXTREMES FOR CURRENT YEAR.--Peak discharge 6,090 cubic feet per second May 25, gage height 12.95 feet; minimum daily discharge 59 cubic feet per second July 21.

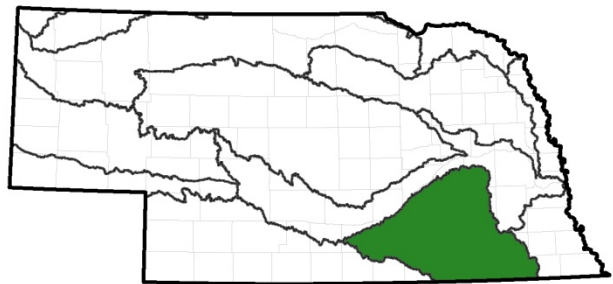
### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	113	102	119	96e	260e	413	572	377	623	94	122	429
2	111	101	125	124e	230e	392	565	374	1580	97	96	203
3	110	103e	126	132e	249e	264	447	373	2460	130	72	161
4	108	104e	124	125e	263e	233	421	345	1110	181	111	140
5	105	104e	123	124e	302e	216	409	294	845	189	197	122
6	104	105e	121	129e	282e	215	410	298	724	209	181	111
7	103	105e	123	123e	256e	219	412	313	614	534	127	148
8	101	106e	126	134e	237e	218	410	311	360	422	155	163
9	99	107e	131	143e	227e	218	413	308	284	226	171	141
10	98	107	130	137e	210e	215	411	254	260	160	197	134
11	103	106	129	108e	251e	217	408	192	242	122	201	104
12	102	116	105e	122e	277e	215	406	112	227	117	135	97
13	100	117	110e	130e	269e	213	414	77	181	136	108	94
14	98	115	125e	153e	281e	215	443	74	133	324	100	102
15	97	115	118e	169e	305	215	602	73	99	669	158	131
16	97	116	103e	183e	430	211	550	72	127	210	164	136
17	97	119	96e	190e	513	208	489	113	177	166	137	135
18	98	119	100e	155e	417	207	466	153	437	142	121	134
19	99	119	113e	148e	403	331	463	197	319	99	138	128
20	99	118	115e	166e	398	390	467	2140	238	79	914	123
21	98	119	104e	176e	391	400	451	1040	162	59	557	118
22	100	120	92e	178e	384	460	453	605	121	91	216	115
23	101	120	84e	176e	398	902	446	414	299	141	128	113
24	101	120	76e	178e	409	950	445	667	153	127	107	110
25	101	119	81e	185e	395	976	455	5060	116	129	111	108
26	100	118	74e	184	406	953	491	2900	116	110	103	106
27	98	121	86e	188	428	660	476	1220	113	96	111	105
28	98	124	92e	202	416	607	459	940	111	125	122	103
29	100	125	111e	227	---	584	444	795	114	210	125	101e
30	103	122	92e	228	---	574	393	701	104	194	535	100e
31	103	---	87e	239e	---	581	---	691	---	139	1740	---
TOTAL	3145	3412	3341	4952	9287	12672	13691	21483	12449	5727	7460	4015
MEAN	101.5	113.7	107.9	159.8	331.7	408.7	456.4	693.2	415.1	184.8	240.6	133.9
MAX	113	125	131	239	513	976	602	5060	2460	669	1740	429
MIN	97	101	74	96	210	207	393	72	99	59	72	94
AC-FT	6238	6768	6627	9822	18420	25130	27160	42610	24690	11360	14800	7964
CAL	YEAR	2010	TOTAL	143584	MEAN	393.4	MAX	3980	MIN	43.0	AC-FT	284800
WTR	YEAR	2011	TOTAL	101634	MEAN	278.4	MAX	5060	MIN	59.0	AC-FT	201600

e indicates estimated discharge.

# BIG BLUE RIVER BASIN

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# BIG BLUE RIVER BASIN

## BIG BLUE RIVER at Surprise, 06879900

LOCATION.--NW1/4NW1/4 Sec. 15-13-1 E., Butler County, Lat. 41° 06' 05", Long. 97° 18' 35", on left bank 50 feet downstream from bridge on county road at south edge of Surprise.

DRAINAGE AREA.--345 square miles.

GAGE.--Continuous stage recorder. Gage datum is 1,522.84 feet above mean sea level.

PERIOD OF RECORD.--1964 - present (Published as North Branch Big Blue River at Surprise WY 1964)

REMARKS.--Records published by the USGS up to Oct. 1, 1993. Records are fair, except estimated records and records of less than 1 cubic foot per second are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 10,700 cubic feet per second July 19, 1965, gage height 11.52 feet; no flow for many days in many years.

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,260 cubic feet per second June 21, gage height 7.94 feet; minimum daily discharge 0.07 cubic foot per second September 19.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.54	0.03	0.46e	0.68e	0.63e	1.6	1.1	1.5	32	18	16	3.1
2	0.27	0.02	0.57e	0.67e	0.51e	1.7	1.1	1.4	19	9.6	45	3.1
3	0.26	0.02	0.62e	0.66e	0.55e	1.7	1.1	1.2	16	6.0	25	2.4
4	0.20	0.06	0.63e	0.65e	0.76e	1.8	0.77	1.0	12	3.8	15	2.0
5	0.04	0.12	0.61e	0.65e	0.81e	1.4	0.63	0.98	12	6.3	14	1.9
6	0.04	0.18	0.64e	0.67e	0.81e	1.6	0.68	0.97	8.5	253	26	2.1
7	0.05	0.28	0.63e	0.71e	0.95e	1.4	0.58	1.1	5.2	236	6.8	2.0
8	0.07	0.09	0.67e	0.67e	0.99e	1.7	0.51	1.4	4.1	240	10	1.9
9	0.05	0.07	0.76e	0.62e	0.86e	1.5	0.46	1.5	3.5	688	6.1	1.9
10	0.03	0.06	0.84	0.58e	0.80e	1.5	0.52	1.5	3.1	1120	4.3	2.6
11	0.07	0.38	0.83	0.56e	0.83e	1.8	0.58	1.4	3.0	302	4.1	2.3
12	0.15	0.48	0.64e	0.56e	0.77e	1.8	0.55	145	3.0	52	72	1.9
13	0.32	0.34	0.56e	0.46e	0.80e	1.9	0.60	439	2.6	37	67	2.5
14	0.20	0.42	0.55e	0.45e	1.2e	1.6	0.62	295	2.5	28	55	2.9
15	0.10	0.67e	0.63e	0.53e	1.5e	1.3	2.4	865	2.8	22	65	2.8
16	0.12	0.82e	0.70e	0.56e	2.0e	1.3	17	189	3.1	17	62	2.8
17	0.13	0.91e	0.71e	0.50e	2.4e	1.3	13	66	3.5	13	49	3.0
18	0.12	0.98e	0.72e	0.58e	3.0e	1.4	5.2	43	2.5	24	65	3.3
19	0.12	0.75e	0.71e	0.67e	3.1e	1.3	5.7	28	3.1	23	113	3.1
20	0.37	0.82e	0.72e	0.82e	3.2e	1.2	8.2	234	2.9	15	41	2.5
21	0.61	0.77e	0.77e	0.94e	3.0e	0.95	5.7	271	14	14	25	1.8
22	0.82	0.65e	0.72e	0.85e	2.9	1.0	3.8	304	22	10	17	1.1
23	0.82	0.53e	0.68e	0.84e	2.6	0.94	3.1	62	11	8.5	11	1.4
24	0.81	0.46e	0.68e	0.84e	1.7e	0.79	2.3	76	12	7.5	7.2	1.2
25	1.7	0.40e	0.71e	0.77e	0.84e	1.0	2.2	63	125	6.9	4.8	1.2
26	1.9	0.44e	0.68e	0.81e	0.78e	1.0	2.3	62	55	6.7	3.5	0.96
27	0.04	0.46e	0.66e	0.76e	0.89e	0.98	2.2	62	75	8.7	3.1	1.5
28	0.37	0.61e	0.64e	0.87e	1.1e	1.0	2.2	76	80	29	2.6	2.1
29	0.54	0.65e	0.71e	0.95e	---	1.1	2.3	61	41	14	2.2	2.2
30	0.24	0.51e	0.73e	0.92e	---	1.1	1.9	38	23	15	2.8	2.0
31	0.08	---	0.71e	0.82e	---	1.1	---	37	---	8.3	2.5	---
TOTAL	11.18	12.98	20.89	21.62	40.28	41.76	89.3	3429.95	602.4	3242.3	843	65.56
MEAN	0.36	0.43	0.67	0.70	1.4	1.4	3.0	110.7	20.1	104.5	27.2	2.2
MAX	1.9	0.98	0.84	0.95	3.2	1.9	17	865	125	1120	113	3.3
MIN	0.03	0.02	0.46	0.45	0.51	0.79	0.46	0.97	2.5	3.8	2.2	0.96
AC-FT	22	26	41	43	80	83	177	6803	1195	6431	1672	130
CAL	YEAR	2010	TOTAL	8134	MEAN	22.3	MAX	868.0	MIN	0.020	AC-FT	16130
WTR	YEAR	2011	TOTAL	8421	MEAN	23.1	MAX	1120	MIN	0.020	AC-FT	16700

e indicates estimated discharge.

# BIG BLUE RIVER BASIN

## LINCOLN CREEK near Seward, 06880000

LOCATION.--NW1/4NE1/4 Sec. 24-11-2 E., Seward County, Lat. 40° 54' 57", Long. 97° 08' 43", on left bank at downstream side of county road bridge, 2 miles west of Seward, and 3.8 miles upstream from the mouth.

DRAINAGE AREA.--438 square miles.

GAGE.--Continuous stage recorder. Gage datum is 1,429.27 feet above sea level.

PERIOD OF RECORD.--1953 - 1973, March 1974 - present. Month discharge only for some periods, published in USGS WSP 1730.

REMARKS.--Records published by the USGS up to Oct. 1, 1994. Records are fair except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 10,100 cubic feet per second June 17, 1957, gage height 20.53 feet; minimum daily discharge 1.3 cubic feet per second July 31, 1955.

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,080 cubic feet per second June 23, gage height 18.36 feet; minimum daily discharge 7.0 cubic feet per second estimated December 7 - January 3 & January 6 - 9.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16	17	18e	17e	19e	24e	24	24	61	52	30	26
2	15	17	20e	18e	18e	24e	23	24	53	38	29	24
3	16	17	20	18e	19e	24	23	24	46	34	27	24
4	16	17	19	18e	21e	24	23	24	45	32	26	23
5	16	18	19e	18e	22e	24	22	24	37	39	28	23
6	15	18	18e	19e	22e	23	22	24	33	51	38	25
7	16	18	17e	20e	20e	24	22	24	31	393	28	23
8	15	18	18e	19e	20e	25	22	24	31	653	27	21
9	15	18	20e	18e	20e	24	22	24	30	663	28	20
10	15	18	19	17e	22e	25	22	23	29	747	26	20
11	15	18	18	17e	23e	25	22	23	29	765	25	19
12	16	19	19e	16e	25e	25	22	29	28	163	149	19
13	16	19	16e	16e	27e	25	22	94	28	88	188	19
14	15	19	17e	17e	28e	25	22	37	28	67	213	19
15	15	19	18e	17e	28e	25	26	142	27	59	220	18
16	16	19	18e	17e	29e	25	30	159	27	51	187	19
17	16	18	18e	22e	29e	25	26	57	27	50	65	19
18	16	18	17e	22e	29e	25	25	38	46	59	38	19
19	15	18	18e	19e	27e	25	27	33	56	56	91	19
20	16	18	19e	17e	27e	25	46	655	81	41	59	19
21	16	18	19e	18e	27e	24	39	415	87	38	44	18
22	16	19	18e	18e	27e	25	34	425	70	50	33	18
23	16	19	18e	18e	27e	24	30	487	63	34	28	18
24	16	19e	18e	19e	24e	23	27	152	46	33	26	18
25	17	18e	19e	19e	23e	24	29	141	273	32	24	18
26	17	19e	18e	20e	23e	24	31	99	293	29	24	18
27	17	20	19e	23e	23e	24	27	57	396	30	23	18
28	16	18	21e	25e	23e	24	26	45	235	51	22	18
29	16	19	22e	26e	---	24	25	41	180	34	21	18
30	17	20e	24e	23e	---	23	25	47	113	32	58	18
31	17	---	18e	20e	---	24	---	74	---	33	38	---
TOTAL	492	550	580	591	672	754	786	3489	2529	4497	1863	598
MEAN	15.9	18.3	18.7	19.1	24	24.3	26.2	112.5	84.4	145	60.1	20
MAX	17	20	24	26	29	25	46	655	396	765	220	26
MIN	15	17	16	16	18	23	22	23	27	29	21	18
AC-FT	976	1091	1150	1172	1333	1496	1559	6920	5016	8920	3695	1186
CAL	YEAR	2010	TOTAL	25672	MEAN	70.3	MAX	1940	MIN	12	AC-FT	50920
WTR	YEAR	2011	TOTAL	17401	MEAN	47.7	MAX	765	MIN	15	AC-FT	34510

e indicates estimated discharge.



# BIG BLUE RIVER BASIN

## BIG BLUE RIVER at Seward, 06880500

LOCATION.--SE1/4SW1/4 Sec. 20-11-3 E., Seward County, Lat. 40° 54' 10", Long. 97° 06' 40", at downstream end of right abutment of bridge on U.S. Highway 34 at west edge of Seward, 1.7 miles upstream of Plum Creek, and 0.2 mile downstream from Lincoln Creek.

DRAINAGE AREA.--1,107 square miles.

GAGE.--Continuous stage recorder. Gage datum is 1,421.49 feet above sea level.

PERIOD OF RECORD.--1954 - present. Monthly discharge only for some periods, published in WSP 1730.

REMARKS.--Records published by the USGS up to Oct. 1, 1994. Records are fair, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 15,300 cubic feet per second June 18, 1957, gage height 22.34 feet; no flow July 30-31, 1955.

EXTREMES FOR CURRENT YEAR.--Peak discharge 2,160 cubic feet per second May 21, gage height 14.97 feet; minimum daily discharge 21 cubic feet per second estimated December 13.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	35	38	37e	27e	42e	48e	62	57	239	174	97	66
2	33	39	39e	30e	50	48e	60	51	224	128	80	65
3	33	43	40e	36e	44e	49e	55	48	176	110	74	65
4	33	41	40e	38e	53e	49e	52	47	144	96	90	61
5	32	38	36e	41e	53e	48e	49	47	119	170	75	58
6	31	38	38e	42e	43e	50e	48	46	102	154	90	60
7	30	38	42e	42e	42e	51e	48	46	93	566	73	56
8	29	37	42e	39e	41e	53e	49	46	87	1060	84	52
9	28	37	47e	38e	41e	53e	48	45	77	1010	77	49
10	29	37	45e	38e	51e	53e	49	44	71	1150	76	47
11	29	39	38e	38e	60e	54e	48	44	70	1410	68	46
12	29	46	22e	37e	61e	55e	45	53	71	1050	224	44
13	29	47	21e	37e	76e	56e	44	593	70	359	487	43
14	29	50	25e	37e	121e	57e	44	1120	67	186	631	42
15	32	63	28e	38e	299e	57	59	626	65	153	539	40
16	30	53	29e	38e	344e	60	91	782	65	124	543	41
17	29	47	29e	41e	397e	63	172	670	72	116	252	42
18	30	44	29e	40e	395e	64	124	207	107	117	177	44
19	29	43	31e	39e	237e	64	102	143	107	107	227	44
20	30	42	32e	39e	133e	62	169	1480	145	96	327	42
21	30	41	34e	39e	80e	61	169	2130	154	93	211	41
22	33	40e	33e	39e	69e	60	117	1910	128	118	164	40
23	35	38e	33e	38e	69e	62	95	1540	191	98	119	37
24	33	40e	33e	40e	56e	59	82	883	166	93	86	37
25	35	37e	33e	42e	49e	59	76	650	485	78	74	37
26	38	35e	32e	42e	46e	58	80	500	1120	66	69	36
27	37	47	31e	43e	47e	57	74	374	1110	67	64	36
28	39	44	32e	45e	48e	58	79	335	855	118	60	37
29	44	45	37e	47e	---	58	70	247	544	94	56	34
30	42	37e	44e	45e	---	59	63	241	318	143	98	33
31	41	---	36e	44e	---	60	---	236	---	119	86	---
TOTAL	1016	1264	1068	1219	3047	1745	2323	15241	7242	9423	5378	1375
MEAN	32.7	42.1	34.4	39.3	108.8	56.2	77.4	491.2	241.6	303.7	173.5	45.8
MAX	44	63	47	47	397	64	172	2130	1120	1410	631	66
MIN	28	35	21	27	41	48	44	44	65	66	56	33
AC-FT	2015	2507	2118	2418	6044	3461	4608	30230	14360	18690	10670	2727
CAL	YEAR	2010	TOTAL	60592	MEAN	166.0	MAX	2610	MIN	21.0	AC-FT	120200
WTR	YEAR	2011	TOTAL	50341	MEAN	137.9	MAX	2130	MIN	21.0	AC-FT	99850

e indicates estimated discharge.

# BIG BLUE RIVER BASIN

## TURKEY CREEK near Wilber, 06881200

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

DRAINAGE AREA.--461 square miles.

GAGE.--Continuous stage recorder. Gage datum 1,322.00 feet above sea level.

PERIOD OF RECORD.--1959 - present

REMARKS.--Records published by the USGS up to Oct. 1, 1994. Records are fair, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 1,610 cubic feet per second May 21, gage height 11.95 feet; minimum daily discharge 0.54 cubic feet per second August 29.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.97	6.0	3.8e	5.9e	7.9e	9.9e	12	11	38	49	10	12
2	0.81	6.3	4.3e	3.8e	7.1e	11e	12	12	36	34	7.2	8.0
3	0.72	7.3	4.2	5.0e	7.2e	14e	12	11	38	39	5.7	12
4	0.72	7.7	4.5e	5.2e	8.2e	15e	11	11	31	27	5.4	9.7
5	0.75	8.3	3.9e	5.2e	9.0e	15e	12	11	26	30	4.9	6.8
6	0.98	7.1	4.3e	5.3	10e	15e	11	12	24	29	3.2	4.1
7	0.85	7.1	4.1e	5.5e	10e	15	12	11	22	71	1.7	2.1
8	1.2	8.8	4.3	5.8e	9.1e	15	14	13	20	68	3.2	1.8
9	0.87	8.7	5.3	5.8e	7.9e	14	13	12	19	47	1.6	1.7
10	0.71	8.8	5.4	5.3e	7.4e	15e	13	11	19	35	1.5	1.5
11	0.81	7.9	5.0e	3.3e	8.3e	14e	12	12	19	41	1.0	1.7
12	0.85	15	3.4e	2.4e	9.1e	13e	12	17	18	31	13	1.5
13	0.87	17	2.0e	2.4e	14e	13e	11	12	17	22	35	0.91
14	0.84	9.2	1.6e	2.9e	20e	13	11	11	18	22	47	0.81
15	0.89	6.1	0.93e	3.1e	23e	13	17	10	18	20	25	0.64
16	0.86	6.6	0.93e	3.1e	23e	13	19	11	21	17	15	0.70
17	0.84	6.4	0.83e	3.0e	21e	13	20	11	21	15	10	0.61
18	1.1	6.0	1.1e	3.1e	22e	13	17	12	23	13	5.8	0.69
19	1.1	5.9	1.9e	2.9e	23e	13	17	15	24	13	5.3	0.65
20	2.2	4.9	2.6e	3.8e	24e	12	18	694	23	11	5.7	1.1
21	1.9	4.5	2.7e	4.1e	22e	11	23	1480	21	10	2.5	1.6
22	1.1	4.8	1.9e	3.7e	22e	12	17	1190	16	9.0	2.0	1.1
23	1.9	5.0	2.0e	3.6e	22e	11	14	553	16	9.2	1.5	0.87
24	3.8	5.4	1.4e	4.4e	20e	12	14	176	14	6.7	1.2	0.73
25	3.7	4.3	0.89e	5.2e	14e	12	14	132	77	5.1	1.0	0.70
26	5.0	4.3	1.2e	6.1e	9.2e	12	15	174	29	4.4	0.75	0.67
27	4.4	4.3	1.4e	7.6e	6.5e	12	15	195	105	3.0	0.65	0.64
28	5.7	4.5	1.4e	8.6	9.6e	12	14	95	336	37	0.63	0.64
29	5.4	5.5	1.4e	8.9	---	12	14	73	181	50	0.54	0.65
30	6.5	4.2	3.0	8.9e	---	12	13	55	83	25	6.4	0.85
31	6.2	---	8.4e	8.4e	---	12	---	45	---	15	3.3	---
TOTAL	64.54	207.9	90.08	152.3	396.5	398.9	429	5088	1353	808.4	227.67	77.46
MEAN	2.1	6.9	2.9	4.9	14.2	12.9	14.3	164.1	45.2	26.1	7.4	2.6
MAX	6.5	17	8.4	8.9	24	15	23	1480	336	71	47	12
MIN	0.71	4.2	0.83	2.4	6.5	9.9	11	10	14	3.0	0.54	0.61
AC-FT	128	412	179	302	786	791	851	10090	2684	1603	452	154
CAL	YEAR	2010	TOTAL	24146	MEAN	66.2	MAX	1260	MIN	0.71	AC-FT	47890
WTR	YEAR	2011	TOTAL	9294	MEAN	25.5	MAX	1480	MIN	0.54	AC-FT	18430

e indicates estimated discharge.

# BIG BLUE RIVER BASIN

## BIG BLUE RIVER at Beatrice, 06881500

LOCATION.--SW1/4NW1/4 Sec. 3-3-6 E., Gage County, Lat. 40° 15' 22", Long. 96° 44' 47", at the left upstream side of U.S. Highway 77 bridge, which is 6th Street in Beatrice.

DRAINAGE AREA.--3,900 square miles, approximately 3,830 square miles contributes to surface runoff.

GAGE.--Continuous stage recorder. Gage datum is 1,219.90 feet above mean sea level.

PERIOD OF RECORD.--1910 - 1915, (Month discharge only for some periods, published in WSP 1310). 1954, 1960 - 1965, 1967 - 1969, 1971 - 1974 (discharge measurements only), 1974 - present. Gage height records collected 1905 - 1910, 1916 - 1974, are in reports of the U.S. Weather Bureau.

REMARKS.--Records published by the USGS up to Oct. 1, 1994. Records are good, except estimated records are poor.

EXTREMES FOR PERIOD OF RECORD.--Peak discharge 55,100 cubic feet per second June 14, 1984, gage height 31.27 feet; minimum daily discharge 20 cubic feet per second August 15, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharge 7,050 cubic feet per second May 22, gage height 14.94 feet; minimum daily discharge 158 cubic feet per second September 15.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	214	174	205e	221e	205e	263e	252	275	811	1210	369	753
2	206	175	206e	224e	202e	263e	248	259	810	928	279	591
3	196	176	192e	228e	200e	276e	251	249	758	918	224	417
4	189	174	205e	224e	214e	277e	245	244	675	1660	205	315
5	185	175	201e	231e	223e	282e	233	242	592	924	176	290
6	183	176	200e	239e	224e	283e	229	237	525	1760	161	273
7	184	180	200e	236e	212e	290e	240	236	483	1630	172	239
8	184	182	199e	217e	207e	299	260	238	436	2330	195	213
9	183	182	216e	212e	191e	299	260	236	398	2000	226	192
10	183	185	228e	204e	199e	298	245	234	381	2040	222	183
11	180	188	235e	197e	209e	294	230	243	378	1730	213	175
12	178	296	207e	191e	220e	293	219	329	355	1690	335	170
13	172	440	206e	195e	232e	292	216	296	335	1820	464	171
14	174	647	209e	192e	296e	288	214	251	328	1440	856	165
15	172	366	219e	198e	358e	287	241	674	326	823	1170	158
16	173	278	226e	197e	419e	286	275	1410	324	574	983	159
17	173	255	220e	207e	464e	284	300	957	317	482	869	164
18	170	245	218e	192e	485e	280	355	1010	341	404	781	189
19	171	234	224e	184e	494e	277	423	940	363	342	561	189
20	171	221	235e	178e	501e	278	401	2550	452	306	491	187
21	169	216	235e	188e	482e	277	391	6610	946	281	508	179
22	174	216	223e	184e	439e	280	396	6820	872	261	474	176
23	176	213	220e	176e	346e	270	434	6270	522	252	436	175
24	174	213	221e	184e	302e	262	382	4330	442	248	337	174
25	172	207	214e	188e	270e	264	346	3470	751	265	283	170
26	175	201	202e	197e	255e	262	355	3300	1630	234	236	168
27	170	200	202e	200e	261e	255	343	2300	1480	206	204	167
28	166	196	210e	224e	260e	254	322	1590	3040	179	192	165
29	170	226	217e	237e	---	252	310	1190	2520	175	178	165
30	174	219	230e	225e	---	250	291	1020	1690	254	190	160
31	173	---	226e	214e	---	252	---	871	---	292	254	---
TOTAL	5534	7056	6651	6384	8370	8567	8907	48881	23281	27658	12244	6892
MEAN	178.5	235.2	214.6	205.9	298.9	276.4	296.9	1577	776.1	892.6	394.9	229.8
MAX	214	647	235	239	501	299	434	6820	3040	2330	1170	753
MIN	166	174	192	176	191	250	214	234	317	175	161	158
AC-FT	10980	14000	13190	12660	16600	16990	17670	96950	46180	54860	24290	13670
CAL	YEAR	2010	TOTAL	263471	MEAN	721.8	MAX	6290	MIN	166.0	AC-FT	522600
WTR	YEAR	2011	TOTAL	170425	MEAN	466.9	MAX	6820	MIN	158.0	AC-FT	338000

e indicates estimated discharge.

# BIG BLUE RIVER BASIN

## BIG SANDY CREEK at Alexandria, 06883940

LOCATION.--SE1/4SE1/4 Sec. 11-3-1 W., Thayer County, Lat. 40° 14' 06", Long. 97° 23' 20", on right bank downstream from State Highway 53 bridge, 0.8 mile south of Alexandria.

DRAINAGE AREA.--607 square miles.

GAGE.--Continuous stage recorder. Gage datum is 1,390.55 feet above mean sea level.

PERIOD OF RECORD.--1979 - present

REMARKS.--Records published by the USGS up to Oct. 1, 1993. Records are good, except estimated records are poor.

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

EXTREMES FOR CURRENT YEAR.--Peak discharge 5,170 cubic feet per second May 20, gage height 13.03 feet; minimum daily discharge 7.8 cubic feet per second June 9.

### DISCHARGE ( CFS ), WATER YEAR 2011

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	19	19	20	20	25e	20	21	25	19	17	32	107
2	17	19	21	19	22e	20	21	26	17	15	26	94
3	18	19	23	20	18	20	21	27	18	30	26	74
4	17	19	22	20	19	20	21	27	11	40	40	60
5	17	19	19	19	20	19	21	28	9.9	45	41	54
6	19	22	20	20	20	19	21	28	9.2	64	40	43
7	17	23	21	21	19	22	23	29	8.5	417	32	32
8	17	23	21	20	20	21	22	29	8.5	126	74	27
9	17	23	22	21	20	21	21	28	7.8	61	124	23
10	17	22	22	21	20	20	21	28	8.9	42	81	21
11	18	22	22	23	20	25	21	27	9.3	38	67	20
12	17	32	20	20	22	28	20	27	10	30	67	19
13	18	26	19	20	38	28	21	27	11	24	42	18
14	18	23	19	19	70	28	25	27	12	20	27	19
15	18	22	19	19	71	28	33	27	12	17	44	18
16	18	22	22	18	52	28	28	27	14	17	120	19
17	19	27	21	19	51	28	24	27	15	16	101	20
18	19	23	21	19	36	27	23	27	37	19	99	23
19	19	24	21	19	43	26	23	32	37	16	70	19
20	20	23	22	19	44	26	22	3130	23	15	440	19
21	21	22	21	19	28	26	22	1140	21	13	125	19
22	20	22	20	20	23	24	23	415	21	14	49	19
23	19	22	21	19	22	23	23	244	22	14	32	19
24	19	23	21	20	22	21	23	151	22	34	24	19
25	20	21	21	19	19	21	24	168	25	499	19	19
26	20	22	22	19	19	21	24	164	23	287	18	19
27	21	22	21	20	20	20	24	147	21	221	18	19
28	19	23	21	21	19	20	24	120	20	110	17	19
29	20	22	21	21	---	21	24	102	19	66	17	18
30	19	20	25	21	---	20	25	50	17	54	39	19
31	19	---	22	21	---	21	---	28	---	42	170	---
TOTAL	576	671	653	616	822	712	689	6382	509.1	2423	2121	918
MEAN	18.6	22.4	21.1	19.8	29.3	23.0	22.8	206.0	17.0	78.2	68.4	30.5
MAX	21	32	25	23	71	28	33	3130	37	499	440	107
MIN	17	19	19	18	18	19	20	25	7.8	13	17	18
AC-FT	1142	1331	1295	1222	1630	1412	1367	12660	1010	4806	4207	1821
CAL	YEAR	2010	TOTAL	35880	MEAN	98.3	MAX	2480	MIN	17.0	AC-FT	71170
WTR	YEAR	2011	TOTAL	17092	MEAN	46.8	MAX	3130	MIN	7.8	AC-FT	33900

e indicates estimated discharge.

# 2011 HYDROGRAPHIC REPORT

## INDEX

### A

AINSWORTH CANAL, 33  
 ALLIANCE CANAL  
     from Bayard Creek, 72  
     from Red Willow Creek, 73

### B

BARTLEY CANAL, 209  
 BAYARD CREEK  
     near Bayard, 74  
 BEAVER CREEK  
     at Loretto, 178  
     near Beaver City, 219  
 BEERLINE CANAL, 87  
 BELMONT CANAL  
     from Cedar Creek, 77  
     from North Platte River, 76  
 BENNETT-KAY CANAL, 16  
 BIG BLUE RIVER  
     at Beatrice, 237  
     at Seward, 235  
     at Surprise, 233  
 BIG SANDY CREEK  
     at Alexandria, 238  
 BIRDWOOD CANAL, 109  
 BIRDWOOD CREEK  
     near Hershey, 110  
 BLUE CREEK  
     near Lewellen, 95  
 BLUE CREEK & HOOPER CANAL, 92  
 BOX BUTTE RESERVOIR, 24  
 BROWNS CREEK CANAL, 80  
 BUFFALO CREEK (B-1) RESERVOIR  
     SUPPLY CANAL, 134  
 BURWELL-SUMTER CANAL, 171

### C

CALAMUS FISH HATCHERY  
     INLET, 166  
 CALAMUS RESERVOIR, 164  
 CALAMUS RIVER  
     near Burwell, 170  
     near Harrop, 163  
 CAMBRIDGE CANAL, 214  
 CASTLE ROCK - STEAMBOAT  
     CANAL, 65

CEDAR RIVER  
     near Fullerton, 176  
     near Spalding, 175  
 CENTER CREEK  
     at Franklin, 224  
 CENTRAL CANAL, 61  
 CHIMNEY ROCK CANAL, 71  
 CODY-DILLON CANAL, 112  
 COOK CANAL NO. 1, 12  
 COURTHOUSE ROCK CANAL, 81  
 COURTLAND CANAL, 229  
 COZAD CANAL, 136  
 CULBERTSON CANAL, 203

### D

DAVIS CREEK RESERVOIR, 168  
 DAWSON COUNTY CANAL, 138  
 DRY SPOTTED TAIL CREEK  
     at Mitchell, 56

### E

EARNEST CANAL  
     (North), 10  
     (South), 9  
 ELKHORN RIVER  
     at Neligh, 183  
     near Atkinson, 181  
     near Tilden, 184  
     near Winslow, 191  
 ELM CREEK  
     at Amboy, 228  
 ELWOOD RESERVOIR, 126  
 EMPIRE CANAL, 78  
 ENDERS RESERVOIR, 200  
 ENTERPRISE CANAL, 55  
 EXCELSIOR CANAL, 20

### F

FARWELL "MAIN" CANAL, 155  
 FARWELL "SOUTH" CANAL, 156  
 FARWELL (SHERMAN FEEDER)  
     CANAL, 152  
 FORT LARAMIE CANAL  
     from North Platte River, 37  
     from North Platte River @ Mile  
         Post 85.3, 38

FOX CREEK  
     at Curtis, 210  
 FRANKLIN CANAL, 222  
 FRANKLIN PUMP CANAL, 225  
 FRENCHMAN CREEK  
     near Enders, 201  
     near Imperial, 199  
 FULLERTON CANAL, 169

### G

GEO. HITSHEW CANAL, 18  
 GERING CANAL, 45  
 GERING CREEK  
     near Gering, 64  
 GOTHENBURG CANAL, 133

### H

HAIGLER CANAL, 193, 194  
 HAIGLER CANAL SPILLBACK, 195  
 HARLAN COUNTY RESERVOIR, 220  
 HARRIS-NEECE CANAL, 13  
 HARRY STRUNK LAKE, 212  
 HOOPER CANAL, 93  
 HORSE CREEK  
     near Lyman, 53  
 HUGH BUTLER LAKE, 206  
 HUGHES CANAL, 21

### I

INLET TO DAVIS CREEK  
     RESERVOIR, 167  
 INTERSTATE CANAL, 39

### J

JEFFREY POWER RETURN, 125  
 JEFFREY RESERVOIR, 124  
 JOHNSON CANAL, 7  
 JOHNSON POWER RETURN, 129  
 JOHNSON RESERVOIR, 127

### K

KEARNEY CANAL, 141  
 KEARNEY POWER RETURN, 142

# 2011 HYDROGRAPHIC REPORT

---

KEITH - LINCOLN COUNTY  
CANAL, 105  
KENT CANAL, 162  
KEYA PAHA RIVER  
near Naper, 35  
KINGSLEY RESERVOIR, 97  
KORTY CANAL. *See* South Platte  
Supply Canal

## L

LABELLE CANAL, 14  
LAKE ALICE RESERVOIR, 40  
LAKE MINATARE RESERVOIR, 42  
LAKOTAH CANAL, 8  
LAST CHANCE CANAL, 82  
LICHTE CANAL, 27  
LINCOLN COUNTY DRAIN NO. 1, 113  
LINCOLN CREEK  
near Seward, 234  
LISCO CANAL, 88  
LITTLE LAKE ALICE RESERVOIR, 41  
LODGEPOLE CREEK  
above Oliver Reservoir, 116  
at Ralton, 118  
LOGAN CREEK  
at Pender, 190  
LOUP RIVER  
at Columbus, 179  
LOUP RIVER POWER CANAL  
RETURN, 177

## M

MALONEY RESERVOIR, 101  
McGINLEY-STOVER CANAL, 11  
McLAUGHLIN CANAL, 19  
MEDICINE CREEK  
above Harry Strunk Lake, 211  
below Harry Strunk Lake, 213  
MEEKER-DRIFTWOOD CANAL, 198  
MEREDITH-AMMER CANAL, 85  
MERRITT RESERVOIR, 32  
METTLER CANAL, 15  
MIDDLE LOUP CANAL NO. 1, 147  
MIDDLE LOUP CANAL NO. 1  
PUMP, 148  
MIDDLE LOUP CANAL NO. 2, 149  
MIDDLE LOUP CANAL NO. 3, 150  
MIDDLE LOUP CANAL NO. 4  
from Middle Loup River, 151  
from Sherman Feeder Canal, 153

MIDLAND-OVERLAND CANAL, 90  
MINATARE CANAL, 63  
MIRA CREEK  
near North Loup, 174  
MIRAGE FLATS CANAL, 28  
MIRDAN CANAL, 165  
MITCHELL & GERING CANAL, 44  
MONTAGUE CANAL, 26  
MOORE - KAY CANAL, 17  
MUD CREEK  
near Sweetwater, 157  
MUDDY CREEK  
at Arapahoe, 216  
at Furnas-Gosper County  
Line, 215

## N

NAPONEE CANAL, 221  
NELSON CANAL, 84  
NINEMILE CANAL  
from Ninemile Creek, 68  
from North Platte River, 67  
NINEMILE CREEK  
near McGrew, 69  
NIOBRARA RIVER  
above Box Butte Reservoir, 23  
at Wyoming-Nebraska State  
Line, 6  
below Box Butte Reservoir, 25  
near Nenzel, 30  
NORTH LOUP RIVER  
at Ord, 172  
NORTH PLATTE CANAL, 106  
NORTH PLATTE RIVER  
at Bridgeport, 79  
at Lewellen, 96  
at Lisco, 89  
at Mitchell, 57  
at North Platte, 114  
near Keystone, 104  
near Minatare, 66  
near Sutherland, 108  
NORTHPORT CANAL, 52

## O

OLIVER RESERVOIR, 117  
ORCHARD ALFALFA CANAL, 137  
ORD-NORTH LOUP CANAL, 173

## P

PAISLEY CANAL, 91  
PAXTON-HERSHEY CANAL, 107  
PEBBLE CREEK  
at Scribner, 189  
PHELPS COUNTY CANAL, 128  
PIONEER CANAL, 22  
PLATTE RIVER  
at Brady, 131  
near Cozad, 139  
near Maxwell, 130  
near Odessa, 143  
PLUM CREEK  
near Smithfield, 140  
POTMESIL CANAL, 29  
PUMPKIN CREEK  
near Bridgeport, 86

## R

RED WILLOW CANAL, 208  
RED WILLOW CREEK  
above Hugh Butler Lake, 205  
near Bayard, 75  
near McCook, 207  
REPUBLICAN RIVER  
at Riverton, 226  
near Guide Rock, 231  
near Trenton, 197  
RIVERSIDE CANAL, 204

## S

SARGENT CANAL, 146  
SHEEP CREEK  
near Morrill, 54  
SHERMAN RESERVOIR, 154  
SHORT LINE CANAL, 70  
SIX MILE CANAL, 135  
SNAKE RIVER  
at Doughboy, 31  
near Burge, 34  
SOUTH FORK ELKHORN RIVER  
near Ewing, 182  
SOUTH PLATTE RIVER  
at North Platte, 121  
SOUTH PLATTE SUPPLY CANAL  
from South Platte River, 120  
STINKING WATER CREEK  
near Palisade, 202  
SUBURBAN CANAL, 111

---

---

## 2011 HYDROGRAPHIC REPORT

---

SUPERIOR CANAL, 230  
SUTHERLAND CANAL, 98  
SUTHERLAND POWER RETURN, 102  
SUTHERLAND RESERVOIR, 100  
SWANSON LAKE, 196

### T

TAYLOR-ORD CANAL  
    from North Loup River, 159  
    inlet to Mirdan Canal, 160  
    outlet from Mirdan Canal, 161  
THIRTY MILE CANAL, 132  
THOMPSON CREEK  
    at Riverton, 227  
TRI-COUNTY CANAL, 123  
TRINNIER CANAL, 83  
TRI-STATE CANAL  
    from Akers Draw, 48  
    from Dry Spotted Tail Creek, 49

    from North Platte River, 46  
    from Sheep Creek, 47  
    from Tub Springs, 51  
    from Wet Spotted Tail Creek, 50  
TUB SPRINGS  
    near Scottsbluff, 58  
TURKEY CREEK, 223  
    at Edison, 218  
    at Furnas-Gosper County  
        Line, 217  
    at Naponee, 223  
    near Dannebrog, 158  
    near Wilber, 236

### U

UNION CANAL, 94  
UNION CREEK  
    at Madison, 188

### W

WESTERN CANAL, 119  
WHITE RIVER  
    at Crawford, 3  
WHITNEY RESERVOIR, 4  
WILLOW CREEK  
    near Foster, 185  
    near Pierce, 187  
WILLOW CREEK RESERVOIR, 186  
WINTERS CREEK  
    near Scottsbluff, 62  
WINTERS CREEK CANAL  
    from North Platte River, 59  
    from Winters Creek, 60  
WINTERS CREEK RESERVOIR, 43  
WOOD RIVER  
    near Alda, 144

---