06796000 Platte River at North Bend, Nebr.

Lower Platte Basin
Lower Platte-Shell Subbasin

LOCATION.--Lat 41°27′10″, long 96°46′32″ referenced to North American Datum of 1983, in SE ¼ SE ¼ sec.7, T.17 N., R.6 D., Dodge County, NE, Hydrologic Unit 10200201, on left bank 80 ft upstream from bridge on State Highway 79, 1 mi south of North Bend, 5 mi downstream from Shell Creek, and at mile 73.0.

DRAINAGE AREA.--70,400 mi^2 of which 12,600 mi^2 probably is noncontributing.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,262.32 ft above sea level. Prior to Sept. 12, 1951, nonrecording gage and Sept. 12, 1951 to Sept. 30, 1970 water-stage recorder, at present site at datum 2.00 ft higher. Data collection platform at station.

REMARKS.--Records good except for the estimated periods, which are poor.

06796000 Platte River at North Bend, Nebr.—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3,060	4,540	e2,840	e2,990	e4,200	e8,210	3,710	3,870	25,800	4,130	1,740	e1,160
2	3,400	2,970	e3,600	e2,960	e4,590	e11,200	4,080	3,110	19,300	3,290	2,450	e995
3	4,130	3,830	e3,870	e2,990	e4,810	e8,070	4,030	3,320	17,000	3,150	2,260	e1,170
4	3,580	3,930	e3,730	e3,090	e4,920	e10,200	3,890	3,950	16,300	3,050	1,790	e1,240
5	4,000	3,500	e3,680	e3,350	e5,190	e9,390	3,620	3,850	21,600	3,240	e2,280	e1,300
6	3,560	3,760	e3,190	e3,480	e5,520	e7,030	4,060	3,670	27,900	2,980	e1,850	1,710
7	2,930	3,970	e2,840	e3,910	e5,670	e5,150	5,930	3,640	23,300	2,770	e1,460	e1,330
8	3,680	3,460	e2,750	e4,340	e5,720	e3,270	3,110	3,580	20,700	2,760	e2,050	e1,570
9	4,600	3,820	e2,510	e4,770	e5,580	e1,880	3,950	3,400	26,600	2,600	1,680	2,080
10	4,250	3,060	e2,430	e5,090	e5,350	e3,690	3,410	3,360	26,100	3,490	2,420	2,080
11	4,160	2,870	e2,700	e5,540	e5,060	e5,500	5,010	4,870	19,300	4,440	2,750	2,090
12	3,670	3,340	e3,160	e5,800	e4,760	7,310	7,430	6,800	13,700	2,440	3,050	3,060
13	3,810	3,430	e3,570	e5,540	e4,530	4,510	5,990	5,950	11,500	3,220	2,920	2,820
14	4,110	3,360	e3,870	e5,060	e4,550	4,160	5,950	5,870	9,920	1,900	3,040	3,490
15	4,510	3,750	e3,840	e4,460	e4,510	4,080	5,700	4,720	8,890	2,700	3,080	2,690
16	8,820	2,900	e3,710	e4,170	e4,290	3,930	5,050	4,430	6,350	3,580	2,480	2,390
17	8,040	3,230	e3,920	e3,620	e4,060	3,860	5,510	3,810	5,580	4,450	2,750	1,850
18	6,400	3,270	e4,190	e3,150	e4,250	4,200	5,150	3,590	4,900	7,640	2,630	1,900
19	7,340	2,700	e4,570	e2,850	e4,510	4,330	5,720	3,370	4,820	7,620	2,610	2,230
20	7,850	2,740	e4,830	e2,490	e4,920	3,510	4,850	3,260	4,230	7,280	1,770	1,850
21	5,870	3,770	e5,130	e2,230	e5,260	3,540	4,670	2,880	3,850	7,200	e1,640	2,100
22	5,050	2,830	e5,230	e2,040	e5,100	3,790	4,230	2,610	3,810	6,780	e2,100	1,780
23	4,780	2,360	e4,800	e1,900	e4,910	3,470	3,670	3,510	3,900	5,290	e1,630	1,700
24	4,780	2,720	e4,440	e2,020	e5,100	2,500	3,690	11,600	3,550	4,090	e1,440	1,910
25	4,360	3,350	e3,910	e2,230	e5,480	3,570	4,260	21,800	3,150	3,820	e1,440	1,750
26	4,390	3,320	e3,520	e2,530	e6,240	3,600	4,290	16,900	5,330	3,620	e2,190	1,700
27	3,720	3,430	e3,320	e2,870	e8,500	3,110	4,350	15,800	5,420	2,870	e1,750	2,060
28	3,510	2,390	e3,290	e3,140	e7,510	3,120	5,240	21,200	4,820	2,450	e1,700	2,010
29	4,060	2,160	e3,190	e3,480	e6,820	3,310	4,740	23,300	5,010	3,490	e1,140	1,800
30	4,120	e2,050	e3,060	e4,110	---	3,190	4,380	33,300	4,860	2,670	e1,640	2,340
31	4,360	---	e3,020	e4,690	---	3,660	---	33,400	---	2,720	e713	---
Total	144,900	96,810	112,710	110,890	151,910	150,340	139,670	268,720	357,490	121,730	64,443	58,155
Mean	4,674	3,227	3,636	3,577	5,238	4,850	4,656	8,668	11,920	3,927	2,079	1,938
Max	8,820	4,540	5,230	5,800	8,500	11,200	7,430	33,400	27,900	7,640	3,080	3,490
Min	2,930	2,050	2,430	1,900	4,060	1,880	3,110	2,610	3,150	1,900	713	995
Ac-ft	287,400	192,000	223,600	220,000	301,300	298,200	277,000	533,000	709,100	241,500	127,800	115,400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2008, BY WATER YEAR (WY)

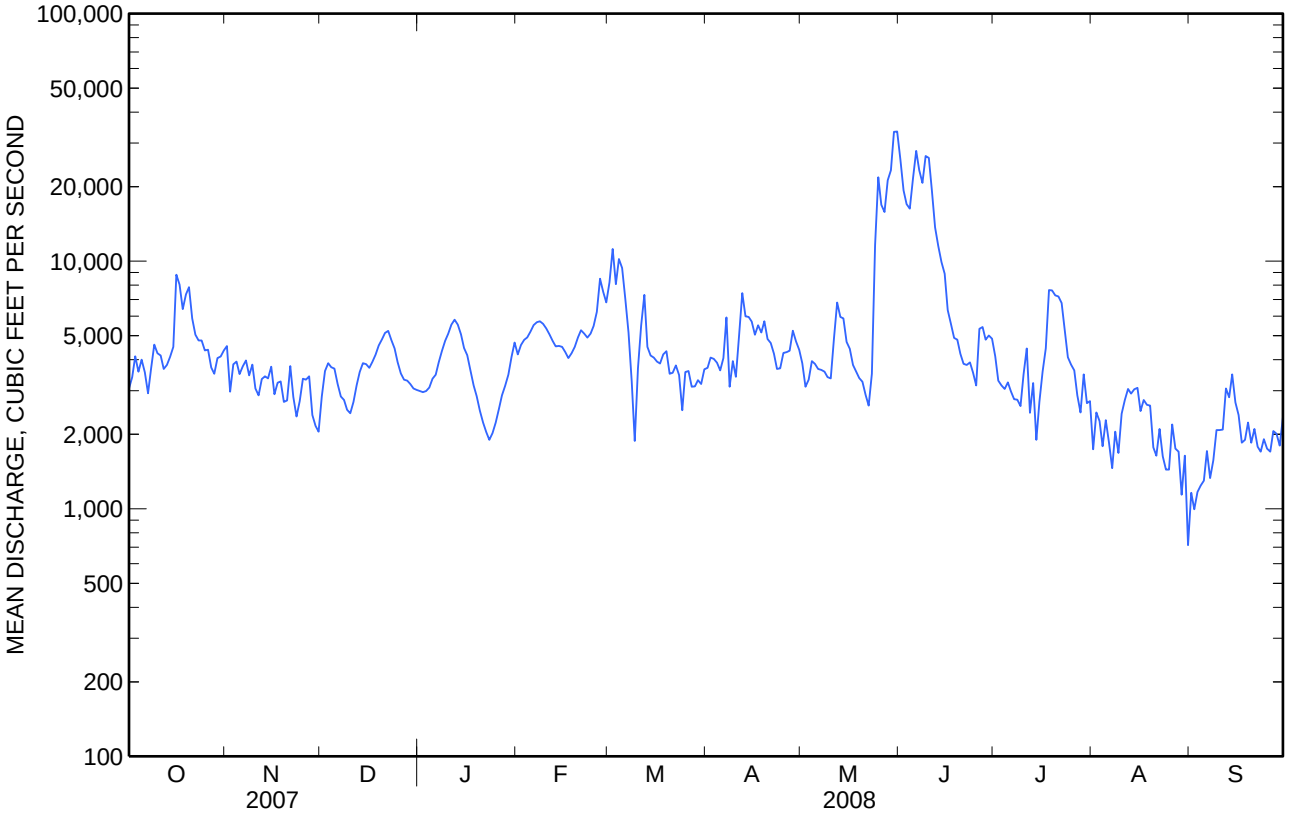
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3,730	4,055	3,551	3,361	5,205	7,074	5,931	5,860	6,498	3,545	2,475	2,999
Max	10,130	9,462	8,581	7,361	11,850	16,870	19,400	21,770	25,340	17,070	8,021	9,022
(WY)	(1974)	(1985)	(1985)	(1984)	(1984)	(1993)	(1984)	(1984)	(1983)	(1993)	(1983)	(1986)
Min	1,624	1,938	1,413	932	2,689	3,571	2,672	1,724	1,255	381	442	936
(WY)	(1980)	(1956)	(1956)	(2004)	(1979)	(2006)	(2004)	(2006)	(2006)	(1974)	(1955)	(1955)

06796000 Platte River at North Bend, Nebr.—Continued

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1949 - 2008	
Annual total	1,691,780		1,777,768			
Annual mean	4,635		4,857		4,506	
Highest annual mean					10,070	1984
Lowest annual mean					2,168	1956
Highest daily mean	27,300	May 31	33,400	May 31	82,300	Mar 10, 1993
Lowest daily mean	750	Jan 16	713	Aug 31	36	Jul 29, 1974
Annual seven-day minimum	906	Jan 12	1,150	Aug 29	146	Jul 24, 1974
Maximum peak flow			41,500	May 30	112,000a	Mar 29, 1960
Maximum peak stage			7.90	May 30	15.55b	Mar 19, 1978
Annual runoff (ac-ft)	3,356,000		3,526,000		3,264,000	
10 percent exceeds	8,060		7,370		8,120	
50 percent exceeds	3,720		3,720		3,620	
90 percent exceeds	2,420		2,020		1,400	

a Stage 10.04 ft
b Backwater from ice



06796000 Platte River at North Bend, Nebr.—Continued

WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
[Remark codes: >, greater than.]

Date	Time	Altitude of land surface feet (72000)	Instantaneous discharge, cfs (00061)	Discharge, instantaneous m3/s (30209)	Drainage area, mi2 (81024)	Specif. conductance, wat unf lab, µS/cm 25 degC (90095)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Total coliform, Defined Tech., MPN/ 100 mL (50569)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
May										
30...	0950	1,262	27,900	790	70,400	314	39,000	>240,000	2,830	213,000