Water-Data Report 2013

06801000 Platte River near Ashland, Nebr.

Lower Platte Basin
Lower Platte Subbasin

LOCATION.--Lat 41°03′44″, long 96°19′29″ referenced to North American Datum of 1983, in SE ¼ SW ¼ sec.29, T.13 N., R.10 E., Sarpy County, NE, Hydrologic Unit 10200202, on left bank, 35 ft northeast of upstream side of Highway 6 bridge, 3 mi northeast of Ashland, 2 mi upstream from Salt Creek, and at mile 27.9.

DRAINAGE AREA.--83,600 mi^2 of which 14,300 mi^2 probably is noncontributing.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--DAILY DISCHARGE--August 1928 to May 1953, July 1988 to current year.

PERIOD OF RECORD.--DAILY GAGE HEIGHT--October 2009 to current year.

REVISED RECORDS.--WDR NE-94-1: 1993 (M). WDR-US-2010: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 1,040.00 ft above sea level. Prior to Oct. 1, 1929, chain gage at former highway bridge 0.5 mi upstream at datum 15.83 ft higher. Oct. 1, 1929 to Oct. 7, 1933, staff or chain gage at former highway bridge 0.5 mi upstream at datum 14.79 ft higher. Oct. 14, 1933 to Dec. 10, 1938, water-stage recorder at site 950 ft upstream from former bridge at datum 14.79 ft higher. Dec. 11, 1938 to June 16, 1948, water-stage recorder at former highway bridge 0.5 mi upstream at datum 14.79 ft higher. June 17, 1948 to May 11, 1953, 0.5 mi downstream of Highway 6 bridge at datum 12.51 ft higher.

REMARKS.--Records good except for the estimated daily discharges, which are poor. Natural flow of stream affected by transmountain diversions, storage reservoirs, power developments, groundwater withdrawals, diversions for irrigation, and return flow from irrigated areas.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 06801000, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/06801000.2013.pdf

06801000 Platte River near Ashland, Nebr.—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,450	2,890	4,040	e1,630	e3,120	e7,770	5,500	3,760	13,800	4,970	2,100	1,810
2	1,390	3,760	3,710	e1,720	e2,970	e7,170	5,640	5,730	11,200	4,180	2,610	1,380
3	1,560	2,340	3,740	e1,860	e2,960	e6,410	4,400	6,970	10,500	3,950	2,590	1,450
4	1,660	1,910	3,630	e2,070	e3,150	e6,850	4,810	8,120	8,770	3,460	3,030	1,330
5	1,790	3,000	3,940	e2,300	e4,010	e6,710	3,800	7,660	8,580	3,070	3,850	1,350
6	1,760	3,390	3,910	e2,610	e4,980	5,790	4,240	6,680	7,260	2,620	3,780	1,460
7	1,690	3,090	3,680	e2,970	e5,240	5,360	4,750	6,540	7,410	2,750	3,530	1,460
8	1,410	3,010	4,050	e3,340	e5,080	5,630	5,120	6,580	5,690	2,390	3,400	1,530
9	1,590	3,060	4,020	e3,750	e6,150	5,670	5,770	5,720	7,230	2,430	3,240	1,350
10	1,680	3,120	3,980	e4,170	e8,480	5,800	7,420	6,350	7,000	2,250	3,560	1,300
11	1,640	3,280	e1,770	e4,660	e9,140	6,840	11,400	6,050	6,950	2,200	3,360	1,780
12	1,840	3,480	e2,370	e4,520	6,820	5,640	9,710	5,900	5,980	2,120	3,040	1,580
13	1,960	3,750	e2,370	e4,350	6,890	7,290	8,810	5,700	5,370	2,020	2,660	1,360
14	2,060	3,780	e2,570	e4,200	7,260	5,610	7,650	5,330	5,100	1,620	2,810	1,550
15	2,050	3,540	e2,610	e4,130	5,800	5,530	6,950	5,270	5,250	1,550	3,000	1,520
16	2,070	3,640	e3,720	e4,150	4,970	5,430	7,680	4,840	6,810	1,640	3,640	1,560
17	1,780	3,390	e4,980	e4,100	4,220	5,870	8,520	4,710	5,800	1,660	3,970	1,610
18	1,950	3,120	e4,970	e4,140	4,640	5,740	9,590	3,980	5,020	1,440	3,780	1,830
19	2,120	2,900	e4,770	e4,180	5,760	5,650	8,770	4,980	4,450	1,350	4,370	1,930
20	2,100	3,090	e4,170	e3,730	e3,800	5,860	8,010	4,660	4,250	1,510	4,260	2,100
21	2,100	3,570	e2,600	e3,210	e2,510	5,570	7,370	4,660	3,420	1,420	3,500	1,950
22	2,710	3,830	e1,410	e2,840	e767	5,530	7,250	6,000	3,720	1,290	3,380	2,120
23	2,730	3,560	e1,280	e2,900	e1,320	4,960	7,520	6,070	4,200	1,250	3,110	2,120
24	2,540	3,220	e1,730	e2,800	e2,640	5,080	7,740	5,300	5,130	1,200	3,590	2,010
25	2,570	3,290	e1,700	e2,930	e3,030	4,870	8,290	5,450	5,760	1,280	3,990	2,080
26	2,670	3,550	e1,450	e3,320	e2,890	4,860	7,860	5,690	6,480	1,250	4,120	1,720
27	2,690	3,530	e1,200	e3,360	e4,370	4,360	6,830	7,540	5,930	1,420	3,500	1,900
28	2,960	3,610	e1,210	e3,640	e5,730	5,090	6,380	12,300	5,610	1,560	3,180	2,540
29	3,260	3,310	e1,230	e4,180	---	4,820	6,270	12,000	5,330	2,170	2,710	2,460
30	3,030	2,890	e1,380	e4,050	---	5,100	6,470	11,000	4,960	2,210	2,430	2,830
31	2,970	---	e1,660	e3,440	---	5,570	---	13,200	---	2,050	2,080	---
Total	65,780	97,900	89,850	105,250	128,697	178,430	210,520	204,740	192,960	66,280	102,170	52,970
Mean	2,122	3,263	2,898	3,395	4,596	5,756	7,017	6,605	6,432	2,138	3,296	1,766
Max	3,260	3,830	4,980	4,660	9,140	7,770	11,400	13,200	13,800	4,970	4,370	2,830
Min	1,390	1,910	1,200	1,630	767	4,360	3,800	3,760	3,420	1,200	2,080	1,300
Ac-ft	130,500	194,200	178,200	208,800	255,300	353,900	417,600	406,100	382,700	131,500	202,700	105,100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	5,435	5,716	5,115	4,817	7,079	8,940	8,436	8,575	11,720	6,570	4,577	4,278
Max	11,290	9,403	8,778	9,022	12,480	23,190	15,470	19,330	43,630	31,980	10,730	9,825
(WY)	(2008)	(1999)	(1998)	(1998)	(2007)	(1993)	(1998)	(1995)	(2010)	(1993)	(1996)	(1993)
Min	2,122	3,148	2,879	1,896	3,621	4,833	4,081	2,969	2,064	872	398	979
(WY)	(2013)	(2004)	(1990)	(2004)	(2003)	(2006)	(2004)	(1989)	(2006)	(2012)	(2012)	(2012)

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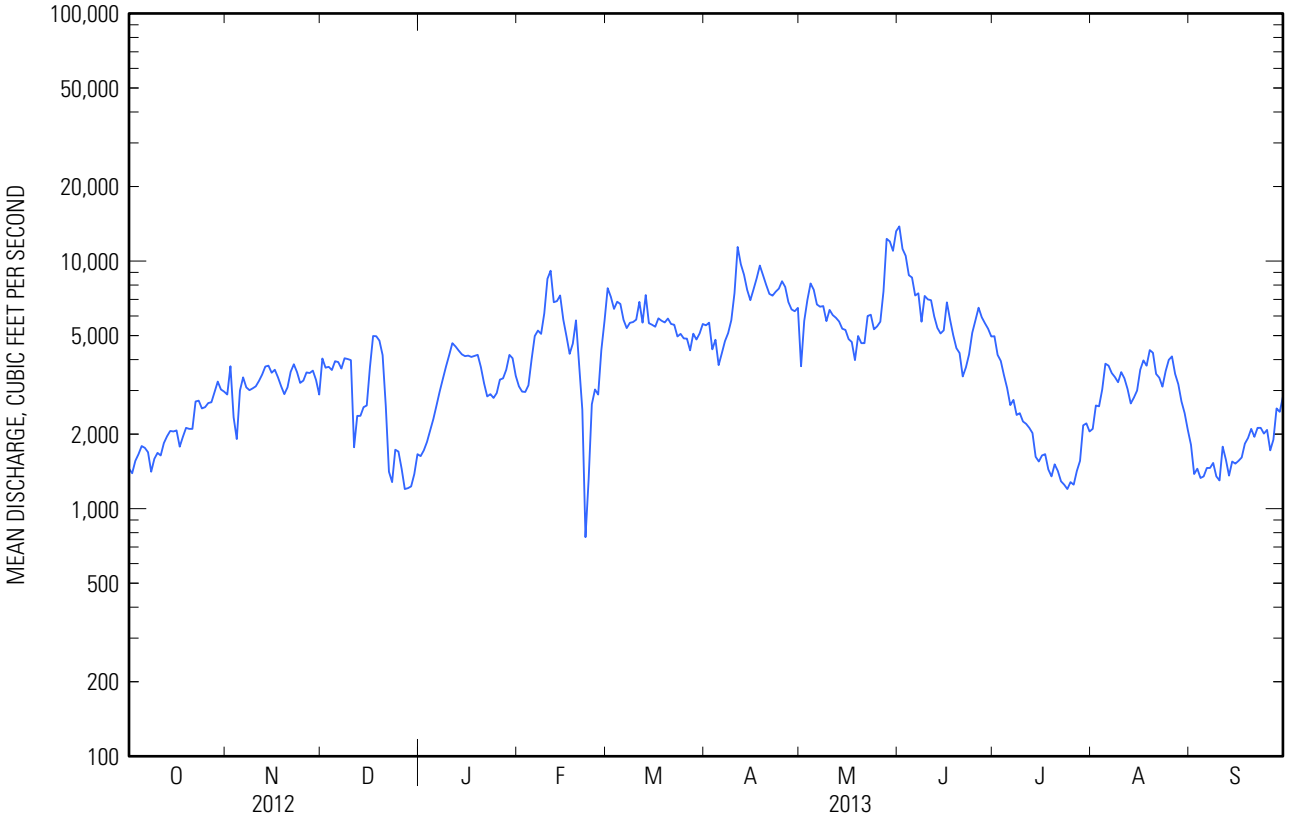
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1989 - 2013	
Annual total	1,538,846		1,495,547			
Annual mean	4,204		4,097		6,761	
Highest annual mean					11,820	1993
Lowest annual mean					3,604	2006
Highest daily mean	11,700	Apr 17	13,800	Jun 1	110,000	Mar 10, 1993
Lowest daily mean	237	Aug 17	767	Feb 22	237	Aug 17, 2012
Annual seven-day minimum	308	Aug 1	1,300	Jul 21	308	Aug 1, 2012
Maximum peak flow			16,200	Jun 1	[a]130,000	Mar 10, 1993
Maximum peak stage			17.17	Jun 1	[b]23.05	Feb 20, 1997
Annual runoff (ac-ft)	3,052,000		2,966,000		4,898,000	
10 percent exceeds	8,490		7,190		11,200	
50 percent exceeds	3,640		3,640		5,670	
90 percent exceeds	464		1,560		2,150	

[a] Estimated, includes overbank flow; gage height, 19.23 ft, backwater from ice.
[b] Backwater from ice.



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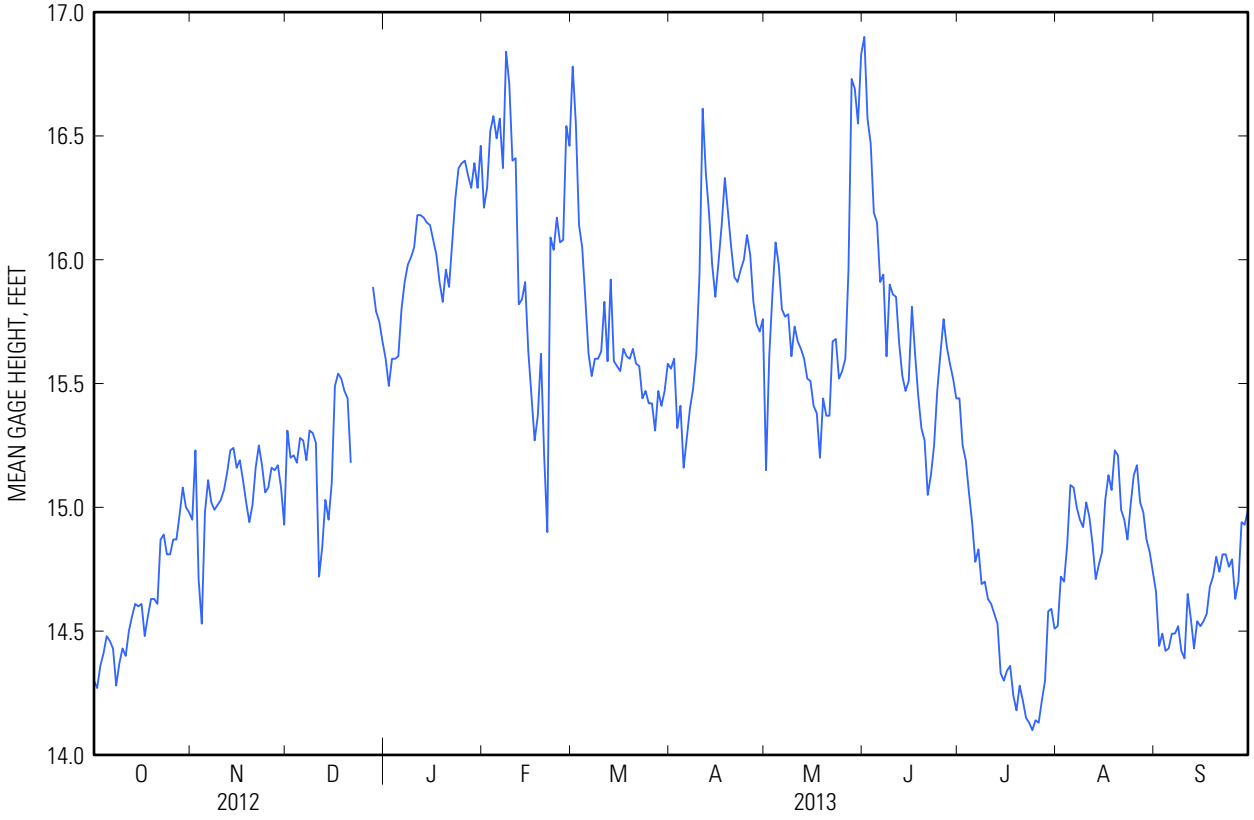
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	14.30	14.95	15.31	15.60	16.21	16.78	15.56	15.15	16.90	15.44	14.52	14.66
2	14.27	15.23	15.20	15.49	16.29	16.55	15.60	15.61	16.57	15.25	14.72	14.44
3	14.36	14.71	15.21	15.60	16.52	16.14	15.32	15.86	16.47	15.19	14.70	14.49
4	14.41	14.53	15.18	15.60	16.58	16.05	15.41	16.07	16.19	15.06	14.85	14.42
5	14.48	14.98	15.28	15.61	16.49	15.84	15.16	15.98	16.15	14.94	15.09	14.43
6	14.46	15.11	15.27	15.80	16.57	15.62	15.28	15.80	15.91	14.78	15.08	14.49
7	14.43	15.02	15.19	15.91	16.37	15.53	15.40	15.77	15.94	14.83	15.00	14.49
8	14.28	14.99	15.31	15.98	16.84	15.60	15.48	15.78	15.61	14.69	14.95	14.52
9	14.37	15.01	15.30	16.01	16.71	15.60	15.62	15.61	15.90	14.70	14.92	14.42
10	14.43	15.03	15.26	16.05	16.40	15.63	15.94	15.73	15.86	14.63	15.02	14.39
11	14.40	15.07	14.72	16.18	16.41	15.83	16.61	15.67	15.85	14.61	14.96	14.65
12	14.50	15.14	14.84	16.18	15.82	15.59	16.35	15.64	15.66	14.57	14.85	14.55
13	14.56	15.23	15.03	16.17	15.84	15.92	16.19	15.60	15.53	14.53	14.71	14.43
14	14.61	15.24	14.95	16.15	15.91	15.59	15.98	15.52	15.47	14.33	14.77	14.54
15	14.60	15.16	15.10	16.14	15.63	15.57	15.85	15.51	15.51	14.30	14.82	14.52
16	14.61	15.19	15.49	16.08	15.45	15.55	15.99	15.41	15.81	14.34	15.03	14.54
17	14.48	15.11	15.54	16.02	15.27	15.64	16.14	15.38	15.62	14.36	15.13	14.57
18	14.56	15.02	15.52	15.91	15.37	15.61	16.33	15.20	15.45	14.24	15.07	14.68
19	14.63	14.94	15.47	15.83	15.62	15.60	16.19	15.44	15.32	14.18	15.23	14.72
20	14.63	15.01	15.44	15.96	15.21	15.64	16.05	15.37	15.27	14.28	15.21	14.80
21	14.61	15.16	15.18	15.89	14.90	15.58	15.93	15.37	15.05	14.22	14.99	14.74
22	14.87	15.25	---	16.07	16.09	15.57	15.91	15.67	15.13	14.15	14.95	14.81
23	14.89	15.17	---	16.25	16.04	15.44	15.96	15.68	15.25	14.13	14.87	14.81
24	14.81	15.06	---	16.37	16.17	15.47	16.00	15.52	15.47	14.10	15.01	14.76
25	14.81	15.08	---	16.39	16.07	15.42	16.10	15.55	15.62	14.14	15.13	14.79
26	14.87	15.16	---	16.40	16.08	15.42	16.02	15.60	15.76	14.13	15.17	14.63
27	14.87	15.15	---	16.34	16.54	15.31	15.83	15.96	15.65	14.22	15.02	14.70
28	14.97	15.17	15.89	16.29	16.46	15.47	15.74	16.73	15.58	14.30	14.98	14.94
29	15.08	15.08	15.79	16.39	---	15.41	15.71	16.69	15.52	14.58	14.87	14.93
30	15.00	14.93	15.75	16.29	---	15.47	15.76	16.55	15.44	14.59	14.82	14.99
31	14.98	---	15.67	16.46	---	15.58	---	16.83	---	14.51	14.74	---
Mean	14.62	15.06	---	16.05	16.07	15.68	15.85	15.75	15.72	14.53	14.94	14.63
Max	15.08	15.25	---	16.46	16.84	16.78	16.61	16.83	16.90	15.44	15.23	14.99
Min	14.27	14.53	---	15.49	14.90	15.31	15.16	15.15	15.05	14.10	14.52	14.39

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