Water-Data Report 2013

05421740 Wapsipinicon River near Anamosa, IA

Upper Mississippi-Skunk-Wapsipinicon Basin
Lower Wapsipinicon Subbasin

LOCATION.--Lat 42°05′00″, long 91°16′02″ referenced to North American Datum of 1927, in SW ¼ NW ¼ SW ¼ sec.13, T.84 N., R.4 W., Jones County, IA, Hydrologic Unit 07080103, on left bank 6 ft upstream from bridge on Shaw Road, 2.2 mi downstream from dam in Anamosa, 1.1 mi downstream from mouth of Dutch Creek and Fawn Creek, and 92.7 mi upstream from mouth.

DRAINAGE AREA.--1,575 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Discharge records from July 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 755.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. Minor diurnal fluctuations during periods of low flow due to operations of hydroelectric dam located 2.2 mi upstream. U.S. Geological Survey data collection platform with satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 21, 1968, discharge about 20,000 ft^3/s, gage height 22.90 ft. Flood of May 18, 1999, gage height and discharge not determined.

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 05421740, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/05421740.2013.pdf

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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	80	167	170	e135	e228	e273	2,370	2,820	18,500	7,070	610	315
2	87	200	179	e138	e228	e260	2,420	2,710	16,800	6,330	585	294
3	80	146	186	e123	e204	e256	2,470	2,670	13,800	5,620	561	251
4	76	168	214	e124	e198	e251	2,510	3,220	10,700	4,590	538	234
5	72	165	155	e118	e198	e242	2,520	4,310	8,880	3,660	656	223
6	72	168	174	e117	e201	e222	2,370	5,460	8,240	3,040	728	208
7	71	174	177	e115	e336	e218	2,210	6,110	7,790	2,630	718	198
8	69	171	174	e110	e457	e229	2,120	5,830	6,730	2,360	657	179
9	69	169	185	e110	e421	871	2,160	5,510	5,580	2,190	606	198
10	76	163	183	e120	e585	4,950	2,990	5,300	4,820	2,000	568	166
11	89	249	159	e148	e809	7,310	3,930	5,420	4,400	1,820	625	171
12	95	268	180	e197	e738	7,070	4,490	5,630	4,150	1,660	672	152
13	90	297	180	e151	e685	7,030	4,680	5,400	4,270	1,530	630	167
14	129	272	164	e154	e636	7,310	4,600	4,770	3,930	1,440	592	127
15	182	281	212	e158	e616	7,650	4,600	4,140	3,860	1,350	555	193
16	132	213	201	e161	e607	6,870	4,760	3,680	3,750	1,250	514	131
17	297	237	e209	e152	e574	6,780	5,470	3,240	3,620	1,160	508	162
18	275	246	e213	e158	e547	6,270	10,100	2,750	3,580	1,100	577	251
19	268	225	e182	e168	e456	4,990	11,100	2,380	3,780	1,010	563	394
20	198	221	e129	e154	e421	4,180	10,800	2,220	4,080	936	511	384
21	203	221	e120	e129	e415	3,330	9,700	2,730	4,070	874	462	369
22	242	219	e118	e105	e367	2,750	8,710	4,000	4,590	833	448	333
23	247	203	e123	e115	e355	2,300	7,680	4,140	6,410	820	511	284
24	233	195	e127	e115	e349	2,060	6,550	3,840	7,770	720	535	301
25	242	194	e135	e124	e348	2,020	5,520	3,930	6,110	721	458	218
26	209	182	e129	e129	e355	2,000	4,660	4,210	12,500	811	411	253
27	192	145	e125	e166	e297	1,890	3,990	5,220	19,600	817	384	211
28	191	176	e131	e228	e291	1,860	3,570	7,110	18,000	778	360	244
29	176	187	e129	e327	---	1,940	3,270	8,850	14,100	715	333	212
30	174	169	e127	e411	---	2,110	2,990	10,200	9,290	671	311	231
31	166	---	e135	e341	---	2,270	---	18,500	---	640	292	---
Total	4,782	6,091	5,025	5,001	11,922	97,762	145,310	156,300	243,700	61,146	16,479	7,054
Mean	154	203	162	161	426	3,154	4,844	5,042	8,123	1,972	532	235
Max	297	297	214	411	809	7,650	11,100	18,500	19,600	7,070	728	394
Min	69	145	118	105	198	218	2,120	2,220	3,580	640	292	127
Ac-ft	9,490	12,080	9,970	9,920	23,650	193,900	288,200	310,000	483,400	121,300	32,690	13,990
Cfsm	0.10	0.13	0.10	0.10	0.27	2.00	3.08	3.20	5.16	1.25	0.34	0.15
In.	0.11	0.14	0.12	0.12	0.28	2.31	3.43	3.69	5.76	1.44	0.39	0.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	810	665	563	645	828	2,471	2,916	3,020	3,482	1,942	938	532
Max	3,666	2,508	1,251	1,284	2,221	5,186	8,493	5,376	11,700	7,709	2,796	1,734
(WY)	(2008)	(2010)	(2010)	(2006)	(2011)	(2010)	(2008)	(2004)	(2008)	(2010)	(2007)	(2007)
Min	132	203	162	134	83.6	228	491	1,342	621	190	167	111
(WY)	(2004)	(2013)	(2013)	(2003)	(2003)	(2003)	(2003)	(2005)	(2012)	(2012)	(2012)	(2012)

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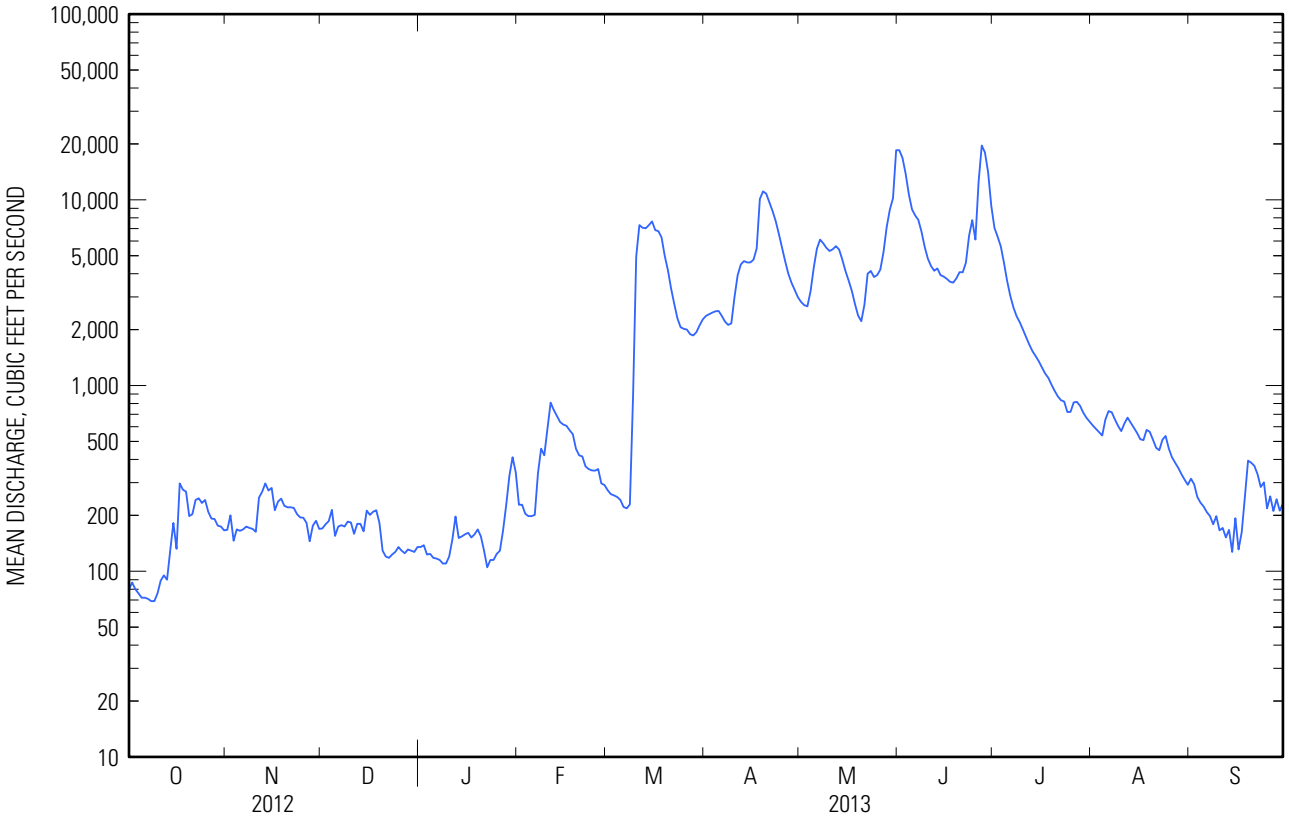
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 2002 - 2013	
Annual total	228,132		760,572			
Annual mean	623		2,084		1,573	
Highest annual mean					3,234	2008
Lowest annual mean					702	2003
Highest daily mean	2,730	May 11	19,600	Jun 27	31,000	Jun 13, 2008
Lowest daily mean	69	Oct 8	69	Oct 8[a]	69	Oct 8, 2012[a]
Annual seven-day minimum	72	Oct 4	72	Oct 4	72	Oct 4, 2012
Maximum peak flow			20,500	May 31	31,800	Jun 13, 2008
Maximum peak stage			21.56	May 31	26.18	Jun 13, 2008
Annual runoff (ac-ft)	452,500		1,509,000		1,140,000	
Annual runoff (cfsm)	0.396		1.32		0.999	
Annual runoff (inches)	5.39		17.96		13.57	
10 percent exceeds	1,390		6,170		3,820	
50 percent exceeds	278		421		731	
90 percent exceeds	113		129		201	

[a] Also Oct 9, 2012.