Water-Data Report 2013

03262500 Great Miami River at Piqua OH

Great Miami Basin
Upper Great Miami Subbasin

LOCATION.--Lat 40°09′03″, long 84°13′44″ referenced to North American Datum of 1927, Miami County, OH, Hydrologic Unit 05080001, downstream side of State Route 36 bridge, 3.8 mi downstream from Loramie Creek.

DRAINAGE AREA.--866 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--January 1907 to December 1910(flood stages only), October 1913 to June 1914(gage heights and discharge measurements only), October 1914 to September 1917, October 1917 to September 1921(gage heights and discharge measurements only), September 2012 to current year. Gage height records starting January 1911 are contained in reports of National Weather Service. Monthly discharge for October 1914 to September 1917 published in WSP 1305 for Miami River at Piqua.

GAGE.--Water-stage recorder. Datum of gage is 843.08 ft NAVD 1988. Prior to Oct. 1, 1921, nonrecording gage, 3500 ft upstream; Jan. 1, 1907 - Feb. 23, 1918 at datum 848.7 ft adjustment of 1912; Feb. 24, 1918 - Sept. 30, 1921 at datum 849.1 adjustment of 1912.

COOPERATION.--Base data furnished by Miami Conservancy District.

REMARKS.--Records fair except for estimated records, which are poor. Flood flow regulated by retarding basin on Loraime Creek since 1921. Some regulation by Indian Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,500 ft^3/s May 7, 1916 (gage height, 11.0 ft); minimum, 16 ft^3/s Nov. 23, 24, 27, 1914. Maximum stage known, 23.3 ft Mar. 25, 1913.

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 03262500, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/03262500.2013.pdf

03262500 Great Miami River at Piqua OH—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	---	---	---	52
2	---	---	---	---	---	---	---	---	---	---	---	59
3	---	---	---	---	---	---	---	---	---	---	---	56
4	---	---	---	---	---	---	---	---	---	---	---	64
5	---	---	---	---	---	---	---	---	---	---	---	64
6	---	---	---	---	---	---	---	---	---	---	---	68
7	---	---	---	---	---	---	---	---	---	---	---	69
8	---	---	---	---	---	---	---	---	---	---	---	902
9	---	---	---	---	---	---	---	---	---	---	---	799
10	---	---	---	---	---	---	---	---	---	---	---	387
11	---	---	---	---	---	---	---	---	---	---	---	202
12	---	---	---	---	---	---	---	---	---	---	---	135
13	---	---	---	---	---	---	---	---	---	---	---	102
14	---	---	---	---	---	---	---	---	---	---	---	85
15	---	---	---	---	---	---	---	---	---	---	---	78
16	---	---	---	---	---	---	---	---	---	---	---	75
17	---	---	---	---	---	---	---	---	---	---	---	72
18	---	---	---	---	---	---	---	---	---	---	---	85
19	---	---	---	---	---	---	---	---	---	---	---	83
20	---	---	---	---	---	---	---	---	---	---	---	74
21	---	---	---	---	---	---	---	---	---	---	---	81
22	---	---	---	---	---	---	---	---	---	---	---	312
23	---	---	---	---	---	---	---	---	---	---	---	410
24	---	---	---	---	---	---	---	---	---	---	---	272
25	---	---	---	---	---	---	---	---	---	---	---	168
26	---	---	---	---	---	---	---	---	---	---	---	142
27	---	---	---	---	---	---	---	---	---	---	---	355
28	---	---	---	---	---	---	---	---	---	---	---	1,030
29	---	---	---	---	---	---	---	---	---	---	---	808
30	---	---	---	---	---	---	---	---	---	---	---	440
31	---	---	---	---	---	---	---	---	---	---	---	---
Total	---	---	---	---	---	---	---	---	---	---	---	7,529
Mean	---	---	---	---	---	---	---	---	---	---	---	251
Max	---	---	---	---	---	---	---	---	---	---	---	1,030
Min	---	---	---	---	---	---	---	---	---	---	---	52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2012 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	---	---	---	---	---	---	---	---	---	---	---	251
Max	---	---	---	---	---	---	---	---	---	---	---	251
(WY)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(2012)
Min	---	---	---	---	---	---	---	---	---	---	---	251
(WY)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(---)	(2012)

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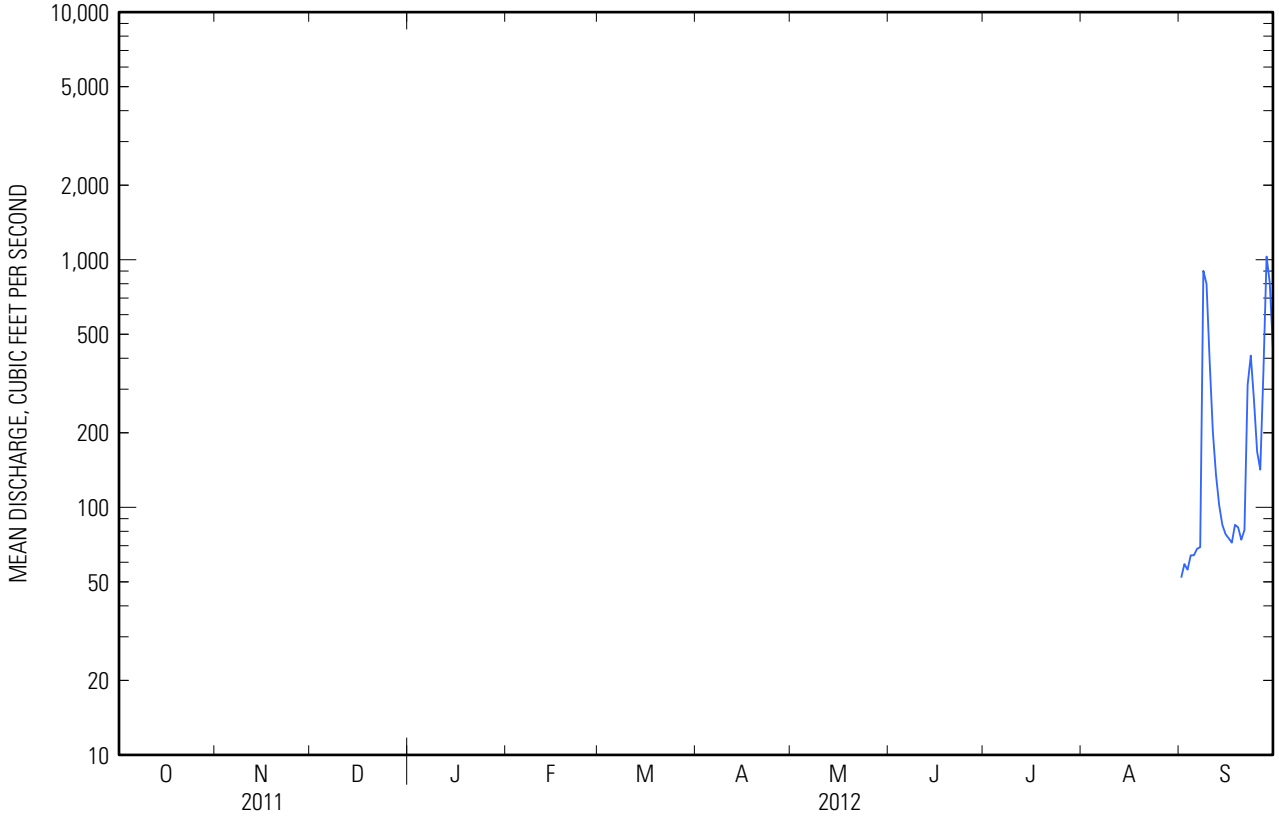

03262500 Great Miami River at Piqua OH—Continued

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	274	2,020	136	645	2,400	2,560	962	1,100	511	2,790	217	78
2	413	1,510	139	662	1,520	1,800	800	908	772	2,660	196	74
3	1,070	1,020	148	e598	1,070	1,240	651	752	690	1,640	219	78
4	865	716	162	599	839	914	572	629	468	1,230	204	76
5	526	536	230	e474	658	721	519	554	346	1,220	207	77
6	2,040	436	297	494	555	768	476	512	289	1,110	186	72
7	2,180	377	294	447	491	835	451	486	289	909	153	69
8	1,130	342	868	421	548	856	431	473	260	2,190	154	68
9	626	296	1,100	501	719	1,320	420	450	225	1,790	285	67
10	419	252	2,120	2,300	634	3,730	404	512	239	3,650	203	65
11	321	218	1,700	5,220	618	5,250	5,100	1,230	370	3,190	168	65
12	265	302	1,000	6,610	710	5,620	10,600	983	324	2,130	145	82
13	202	901	684	8,330	670	3,180	9,960	724	1,180	1,540	135	94
14	177	864	544	10,000	598	1,920	6,420	545	1,290	1,080	118	85
15	220	609	458	7,710	532	1,410	3,540	453	682	748	131	81
16	315	485	433	4,130	469	1,300	2,390	465	449	497	117	79
17	314	398	392	2,610	425	1,270	4,330	439	360	355	100	76
18	244	342	407	1,800	385	1,960	3,770	403	302	297	95	76
19	252	306	436	1,330	395	2,940	3,560	377	253	261	93	94
20	316	285	939	992	370	1,820	3,260	346	228	422	92	110
21	343	258	3,470	796	333	1,230	2,040	313	187	667	92	457
22	315	235	2,280	e481	328	939	1,490	283	174	924	124	513
23	266	205	1,580	e414	354	739	1,150	295	156	772	171	278
24	241	196	1,170	e425	343	646	2,830	295	163	452	122	174
25	226	224	921	e381	326	706	4,880	361	231	368	104	130
26	242	193	803	e361	457	717	2,860	267	225	261	94	109
27	653	165	795	e323	2,980	897	1,760	227	410	350	90	98
28	1,100	175	632	e536	3,020	2,290	1,370	250	297	577	80	87
29	776	150	606	1,130	---	2,790	1,760	247	254	390	82	84
30	684	139	597	3,270	---	1,930	1,380	219	551	277	80	85
31	1,860	---	586	4,450	---	1,290	---	263	---	224	81	---
Total	18,875	14,155	25,927	68,440	22,747	55,588	80,136	15,361	12,175	34,971	4,338	3,581
Mean	609	472	836	2,208	812	1,793	2,671	496	406	1,128	140	119
Max	2,180	2,020	3,470	10,000	3,020	5,620	10,600	1,230	1,290	3,650	285	513
Min	177	139	136	323	326	646	404	219	156	224	80	65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2012 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	609	472	836	2,208	812	1,793	2,671	496	406	1,128	140	185
Max	609	472	836	2,208	812	1,793	2,671	496	406	1,128	140	251
(WY)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2012)
Min	609	472	836	2,208	812	1,793	2,671	496	406	1,128	140	119
(WY)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)	(2013)

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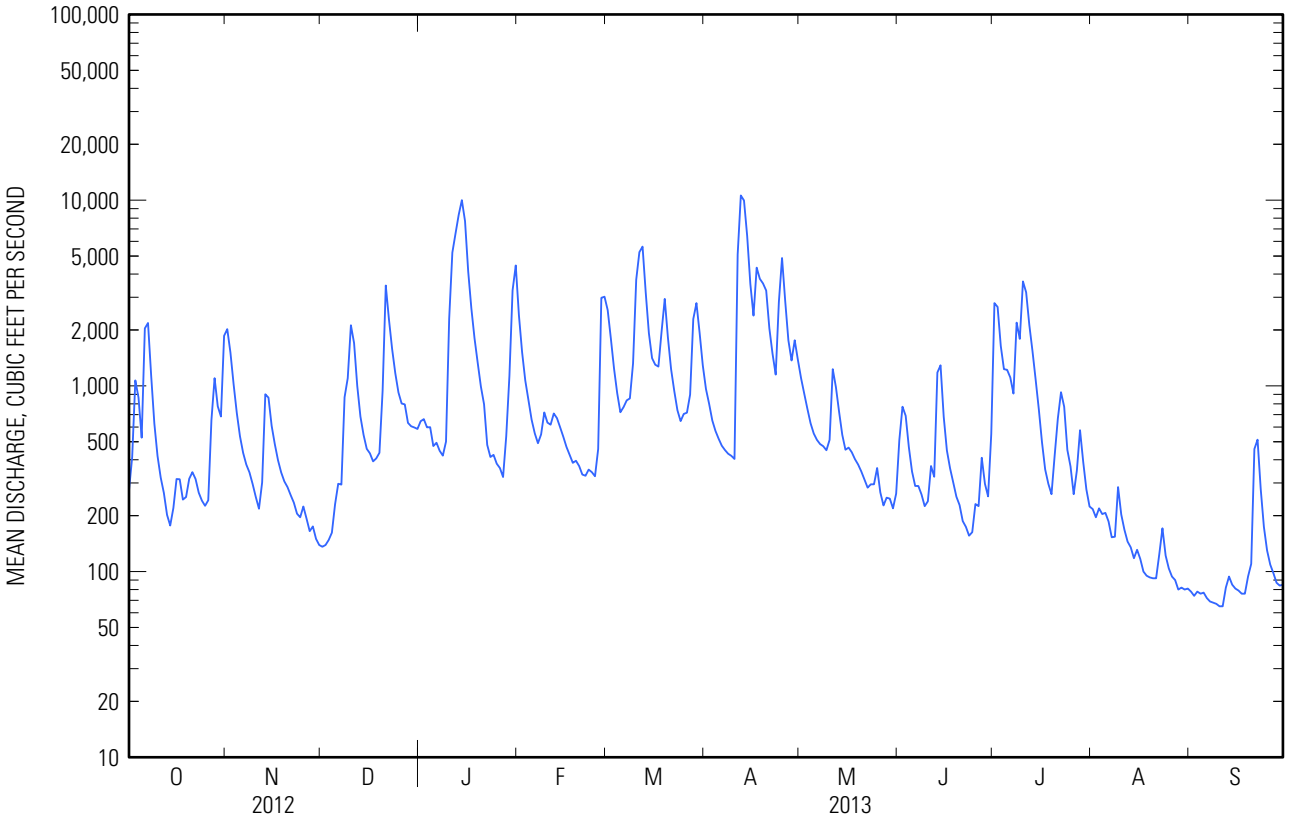
SUMMARY STATISTICS

	Water Year 2013		Water Years 2012 - 2013	
Annual total	356,294			
Annual mean	976		976	
Highest annual mean			976	2013
Lowest annual mean			976	2013
Highest daily mean	10,600	Apr 12	10,600	Apr 12, 2013
Lowest daily mean	65	Sep 10[a]	52	Sep 1, 2012
Annual seven-day minimum	69	Sep 5	62	Sep 1, 2012
Maximum peak flow	11,400	Apr 12	11,400	Apr 12, 2013
Maximum peak stage	10.07	Apr 12	10.07	Apr 12, 2013
Instantaneous low flow	54	Sep 8	44	Sep 1, 2012
10 percent exceeds	2,390		2,390	
50 percent exceeds	458		458	
90 percent exceeds	110		110	

[a] Also Sep 11.