Water-Data Report 2013

03234500 SCIOTO RIVER AT HIGBY OH

Scioto Basin
Lower Scioto Subbasin

LOCATION.--Lat 39°12′44″, long 82°51′50″ referenced to North American Datum of 1927, Ross County, OH, Hydrologic Unit 05060002, on left bank at upstream side of highway bridge, 0.8 mi downstream from Walnut Creek, 1.2 mi north of Higby, 3 mi northwest of Richmondale, and 5.0 mi upstream from Salt Creek.

DRAINAGE AREA.--5,131 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for some periods, published in WSP 1305.

REVISED RECORDS.--WSP 893: 1937(M). WSP 1908: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 566.01 ft NAVD 1988 (levels by U.S. Army Corps of Engineers). Oct. 1964 to Sept 2011 at same site at datum of 567.28 ft NGVD 1929. Nov. 1930 to Sept. 1964 at same site at of 567.6 ft, adjustment of 1912. Prior to Nov. 1930, nonrecording gage at same site at 1912 datum.

REMARKS.--Records fair except for estimated periods, which are poor. U.S. Army Corps of Engineers satellite telemeter at station. Water-quality data formerly collected at this site.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 31.6 ft, Mar. 26, 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 03234500, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/03234500.2013.pdf

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,480	7,770	809	3,170	17,300	11,500	5,100	10,200	1,450	7,220	2,340	813
2	2,040	8,010	731	3,120	12,800	10,400	4,100	7,630	1,540	7,960	1,990	1,240
3	1,660	7,240	821	3,130	8,120	7,880	3,230	5,530	1,810	7,750	1,770	950
4	1,950	5,200	1,280	3,050	6,160	6,210	2,800	4,730	2,690	5,480	1,560	745
5	2,910	3,400	1,290	2,780	4,420	5,130	2,530	4,100	3,560	6,560	1,500	654
6	2,260	2,580	2,080	2,630	3,780	7,640	2,350	3,720	2,540	7,320	1,540	599
7	2,470	1,930	2,070	2,640	3,770	9,940	2,140	4,760	2,830	6,070	1,920	570
8	3,070	1,470	3,990	2,630	3,750	9,230	2,030	4,880	3,060	6,220	1,750	553
9	3,960	1,280	5,100	2,670	4,400	8,260	1,950	4,240	2,760	9,640	2,800	541
10	3,350	1,130	7,120	2,780	4,400	9,360	1,820	3,750	2,480	14,100	6,230	540
11	2,240	1,170	8,370	4,700	3,960	8,900	1,740	5,280	3,060	18,300	5,090	533
12	1,710	1,270	9,280	10,700	4,740	12,400	4,100	6,910	4,480	18,900	4,100	509
13	1,520	1,420	6,980	16,600	4,900	19,400	13,500	6,110	10,700	16,400	3,070	752
14	1,490	2,410	4,430	19,300	4,550	16,600	17,900	5,010	13,800	13,000	2,140	1,140
15	1,170	2,930	3,210	20,000	4,280	10,400	17,300	4,280	10,900	11,200	1,680	768
16	1,270	2,780	2,470	18,100	3,600	7,330	14,000	3,660	10,600	10,000	1,390	628
17	1,190	2,120	2,490	14,900	3,210	6,370	13,600	3,310	9,320	8,580	1,140	573
18	961	1,530	3,200	9,820	2,880	7,390	14,800	3,070	5,260	7,550	985	553
19	862	1,270	3,350	6,800	2,760	17,800	11,900	3,110	4,960	6,710	912	542
20	886	1,250	3,400	4,820	2,800	19,800	11,400	3,250	4,550	6,430	873	543
21	892	1,930	6,510	3,950	2,660	14,100	8,800	2,920	2,920	6,330	929	624
22	1,050	2,850	9,830	3,400	2,610	8,480	6,970	2,550	2,240	6,630	909	3,200
23	855	2,110	9,510	2,910	2,550	6,140	6,240	2,240	1,990	9,270	796	2,340
24	796	1,720	7,390	2,470	2,540	5,070	5,750	2,130	1,890	12,300	1,120	1,290
25	1,700	1,390	6,040	2,280	2,410	4,830	6,720	2,010	1,920	8,750	1,030	1,040
26	1,760	920	5,040	2,230	2,360	4,900	8,740	1,860	1,840	5,300	834	924
27	927	837	5,840	2,190	2,910	6,200	8,070	1,730	3,040	3,570	757	788
28	1,250	1,240	5,030	2,320	8,970	6,910	6,830	1,660	4,860	2,820	739	666
29	3,990	1,120	4,340	3,960	---	6,900	10,900	1,620	4,530	2,550	708	616
30	5,990	926	3,750	6,510	---	6,030	11,800	1,580	4,990	2,670	672	578
31	7,050	---	3,360	13,900	---	5,460	---	1,510	---	2,970	843	---
Total	65,709	73,203	139,111	200,460	133,590	286,960	229,110	119,340	132,570	258,550	54,117	25,812
Mean	2,120	2,440	4,487	6,466	4,771	9,257	7,637	3,850	4,419	8,340	1,746	860
Max	7,050	8,010	9,830	20,000	17,300	19,800	17,900	10,200	13,800	18,900	6,230	3,200
Min	796	837	731	2,190	2,360	4,830	1,740	1,510	1,450	2,550	672	509
Cfsm	0.41	0.48	0.87	1.26	0.93	1.80	1.49	0.75	0.86	1.63	0.34	0.17
In.	0.48	0.53	1.01	1.45	0.97	2.08	1.66	0.87	0.96	1.87	0.39	0.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,485	2,589	4,729	7,122	7,725	9,941	8,347	6,310	4,498	2,863	1,925	1,443
Max	11,290	15,460	20,730	39,500	18,620	30,220	19,750	25,070	13,580	11,430	10,070	13,230
(WY)	(2007)	(1973)	(2012)	(1937)	(1951)	(2008)	(2011)	(1996)	(1997)	(1992)	(1980)	(1979)
Min	263	304	349	433	518	1,375	1,485	809	718	518	457	301
(WY)	(1931)	(1935)	(1935)	(1931)	(1954)	(1941)	(1941)	(1941)	(1934)	(1944)	(1936)	(1953)

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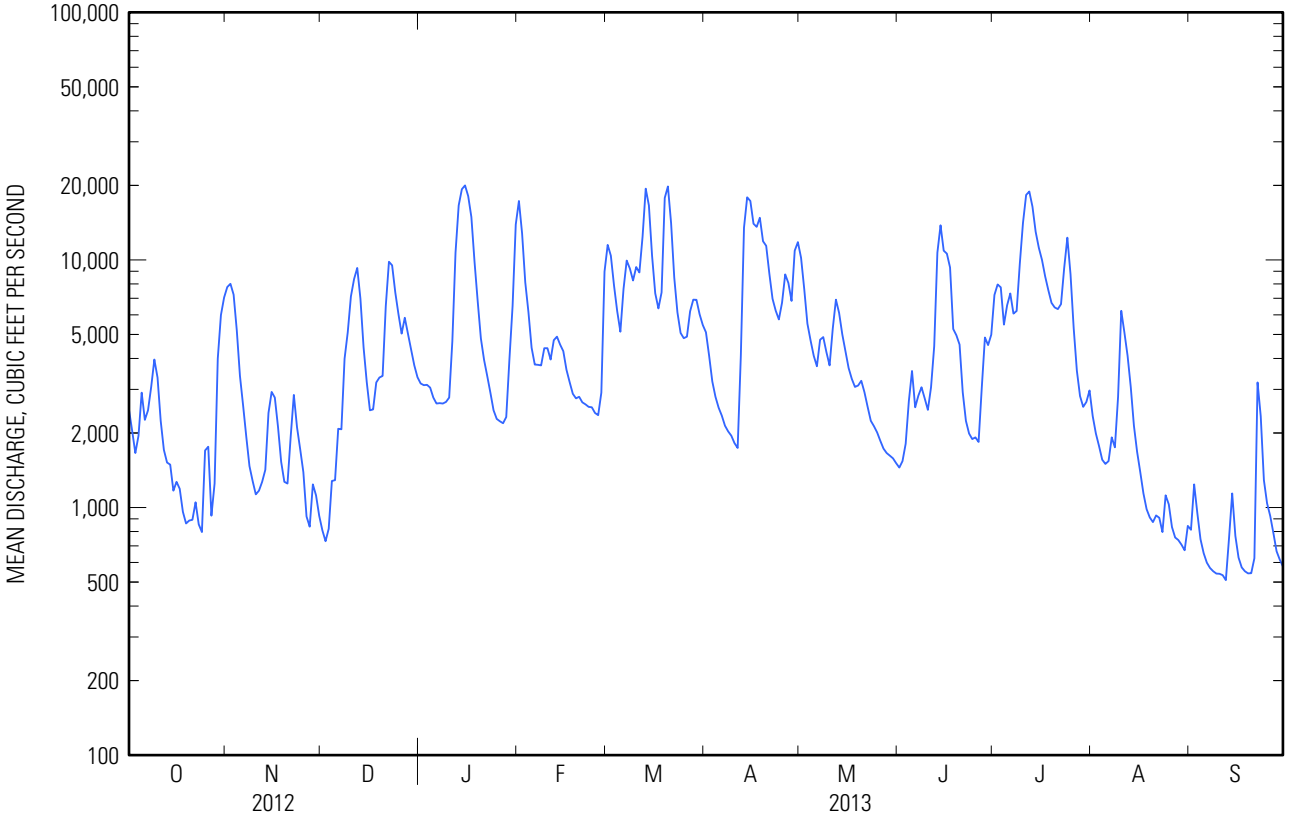
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1931 - 2013	
Annual total	1,445,978		1,718,532			
Annual mean	3,951		4,708		4,901	
Highest annual mean					8,178	1996
Lowest annual mean					1,364	1954
Highest daily mean	36,100	Jan 27	20,000	Jan 15	127,000	Jan 23, 1959
Lowest daily mean	495	Aug 31	509	Sep 12	244	Oct 23, 1930
Annual seven-day minimum	507	Aug 26	549	Sep 6	255	Oct 19, 1930
Maximum peak flow			20,400	Mar 20	177,000	Jan 23, 1937
Maximum peak stage			11.38	Mar 20	26.40	Jan 23, 1937
Instantaneous low flow			496	Sep 12	244	Oct 23, 1930
Annual runoff (cfsm)	0.77		0.92		0.96	
Annual runoff (inches)	10.48		12.46		12.98	
10 percent exceeds	8,320		10,600		12,700	
50 percent exceeds	2,220		3,120		2,240	
90 percent exceeds	688		869		571