Water-Data Report 2012

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, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 03234500, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/03234500.2012.pdf

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6,810	4,550	33,900	9,420	20,000	5,630	3,730	2,620	1,450	1,040	696	501
2	6,160	3,770	33,600	8,910	16,300	7,060	3,160	12,200	1,750	1,190	637	531
3	5,450	3,750	27,400	8,140	13,000	8,300	2,740	15,700	2,200	1,090	644	637
4	4,590	3,390	20,200	7,270	7,570	8,530	2,620	15,700	1,780	973	633	1,260
5	3,500	3,170	15,600	6,780	6,660	8,450	2,650	16,200	1,590	917	621	922
6	2,570	3,080	33,500	5,260	6,560	7,900	2,620	17,000	1,530	830	616	870
7	1,930	2,980	34,500	4,540	6,800	6,130	2,330	11,700	1,640	870	609	809
8	1,580	2,960	37,000	4,240	6,730	4,830	2,150	10,400	1,450	818	619	796
9	1,690	2,920	33,300	4,010	5,800	6,700	2,040	13,800	1,290	699	605	1,190
10	1,710	2,760	27,000	4,070	5,260	8,170	1,950	14,200	1,170	651	790	2,690
11	1,250	2,630	22,100	3,950	4,670	6,070	1,850	11,100	1,090	633	1,830	3,860
12	1,200	2,290	17,700	4,480	4,390	5,080	1,760	8,220	1,100	619	1,490	3,130
13	1,270	2,130	15,200	4,830	4,140	5,150	1,700	6,280	1,300	603	954	2,140
14	e1,500	2,040	12,900	5,160	3,920	5,600	1,740	5,810	1,220	594	900	1,390
15	e1,440	3,310	12,600	4,770	4,110	5,980	2,230	4,610	1,040	594	751	967
16	e1,350	11,900	16,800	4,210	4,390	6,640	3,200	4,100	937	642	692	801
17	e1,260	17,400	19,700	9,010	5,580	6,880	2,670	3,680	906	909	654	723
18	e1,200	15,400	14,500	19,000	5,970	6,860	2,320	3,150	1,290	965	616	702
19	e1,250	10,600	11,900	19,200	5,770	7,270	2,040	2,830	2,070	726	587	666
20	e4,500	7,150	9,760	14,700	5,400	10,600	1,780	2,530	1,960	843	549	688
21	e14,500	5,830	9,590	8,380	4,870	8,030	1,750	2,300	1,560	1,080	576	652
22	e14,000	10,400	18,600	6,170	4,090	6,230	2,520	3,280	1,290	1,210	687	602
23	e12,000	21,700	28,200	8,900	3,960	5,560	2,890	4,290	1,090	868	625	1,100
24	e10,800	18,600	28,900	17,600	3,860	4,610	2,320	3,250	1,020	756	555	1,510
25	e9,500	17,100	23,300	20,800	3,710	5,740	2,100	2,310	937	715	535	1,370
26	7,180	12,800	14,100	19,400	3,530	6,780	2,030	1,950	861	997	510	1,270
27	6,690	11,000	11,300	36,100	3,410	5,780	4,210	1,820	797	934	501	1,070
28	7,820	16,700	16,100	33,000	3,280	4,660	4,100	1,710	758	2,170	516	1,510
29	7,550	27,100	17,800	32,700	3,660	4,160	3,350	1,640	734	1,340	506	2,130
30	7,030	31,400	15,100	25,800	---	3,750	2,800	1,540	783	951	520	2,740
31	6,150	---	10,500	23,000	---	3,520	---	1,470	---	809	495	---
Total	155,430	280,810	642,650	383,800	177,390	196,650	75,350	207,390	38,593	28,036	21,519	39,227
Mean	5,014	9,360	20,730	12,380	6,117	6,344	2,512	6,690	1,286	904	694	1,308
Max	14,500	31,400	37,000	36,100	20,000	10,600	4,210	17,000	2,200	2,170	1,830	3,860
Min	1,200	2,040	9,590	3,950	3,280	3,520	1,700	1,470	734	594	495	501
Cfsm	0.98	1.82	4.04	2.41	1.19	1.24	0.49	1.30	0.25	0.18	0.14	0.25
In.	1.13	2.04	4.66	2.78	1.29	1.43	0.55	1.50	0.28	0.20	0.16	0.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,477	2,591	4,732	7,130	7,761	9,950	8,356	6,340	4,499	2,796	1,927	1,450
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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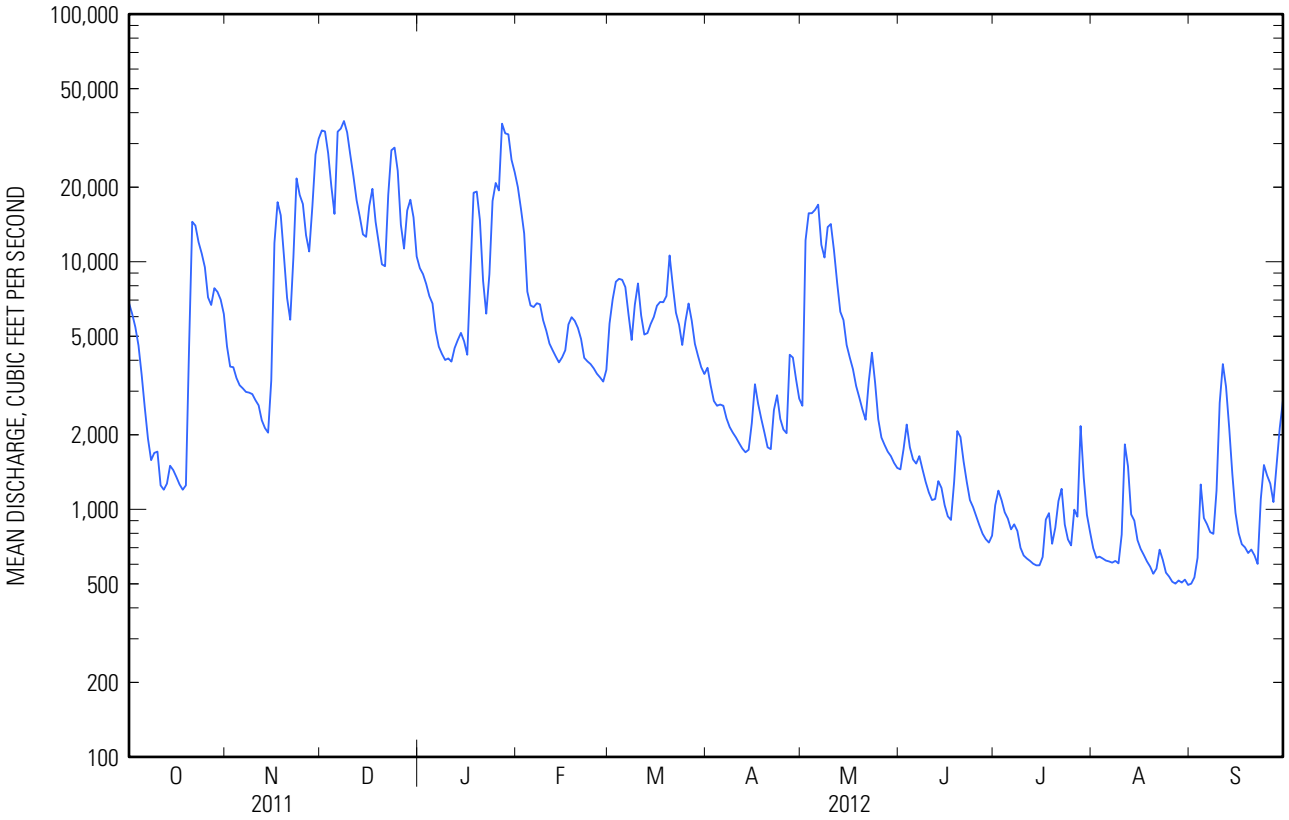
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1931 - 2012	
Annual total	3,735,475		2,246,845			
Annual mean	10,230		6,139		4,904	
Highest annual mean					8,178	1996
Lowest annual mean					1,364	1954
Highest daily mean	41,800	May 4	37,000	Dec 8	127,000	Jan 23, 1959
Lowest daily mean	813	Sep 4	495	Aug 31	244	Oct 23, 1930
Annual seven-day minimum	1,000	Aug 30	507	Aug 26	255	Oct 19, 1930
Maximum peak flow			39,500	Jan 27	177,000	Jan 23, 1937
Maximum peak stage			17.61	Jan 27	26.40	Jan 23, 1937
Instantaneous low flow			488	Aug 31[a]	244	Oct 23, 1930
Annual runoff (cfsm)	1.99		1.20		0.96	
Annual runoff (inches)	27.08		16.29		12.98	
10 percent exceeds	27,100		16,700		12,700	
50 percent exceeds	5,140		3,220		2,230	
90 percent exceeds	1,260		688		570	

[a] Also Sept. 1