03139000 KILLBUCK CREEK AT KILLBUCK, OH

Muskingum Basin
Walhonding Subbasin

LOCATION.--Lat 40°28′53″, long 81°59′10″ referenced to North American Datum of 1927, Holmes County, OH, Hydrologic Unit 05040003, on right bank at downstream side of bridge at intersection of U.S. Highway 62 and St. Rt. 520, 1.0 mi south of Killbuck, and 1.2 mi downstream from Black Creek. Prior to Oct. 5, 1976, at site 0.9 mi upstream.

DRAINAGE AREA.--464 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1930 to current year.

REVISED RECORDS.--WSP 873: 1935. WSP 1555: 1935. WSP 1907: Drainage area. WDR-OH-70-1: 1969. WDR-OH-77-1: Drainage area: WDR-OH-87-1: 1984-86.

GAGE.--Water-stage recorder. Datum of gage is 788.05 ft NGVD 1929. Prior to Oct. 1, 1949, nonrecording gage; Oct. 1, 1949-Oct. 5, 1976, water-stage recorder and nonrecording gage, at site 0.9 mi upstream at same datum.

REMARKS.--Records fair except estimated record, which is poor. Water-quality and sediment data formerly collected at this site. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 1	0030	*10,100	*18.07
Apr 5	2100	2,210	15.33
Apr 21	0000	2,180	15.29
May 4	1400	2,250	15.38
May 30	2230	3,050	16.13

Minimum discharge, 70 ft^3/s, Oct. 12, 13, gage height, 6.23 ft.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 03139000, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/03139000.2011.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	125	92	1,230	486	e132	6,890	508	1,160	2,340	362	156	85
2	101	87	1,100	729	e289	3,750	494	973	1,640	347	174	88
3	93	87	901	626	546	3,810	494	1,260	1,140	329	160	84
4	101	87	757	580	508	3,430	643	2,180	800	294	157	87
5	99	87	646	497	456	3,600	1,950	2,190	914	269	160	114
6	109	88	546	416	326	4,940	2,020	2,200	744	245	139	101
7	111	85	445	355	284	4,200	1,770	2,010	803	225	441	97
8	98	83	377	e306	e249	3,460	1,670	1,630	983	228	229	135
9	86	83	319	e294	e214	3,240	1,440	1,280	740	263	204	169
10	79	82	284	e270	e249	3,470	1,180	994	676	228	332	137
11	73	80	252	e239	e219	3,750	979	796	966	236	241	213
12	72	77	353	e231	e188	3,480	853	910	889	360	182	204
13	72	76	496	e210	e172	3,220	789	962	688	268	149	163
14	74	74	e446	e187	e308	2,920	696	986	609	228	150	131
15	77	74	e436	e175	e487	2,490	636	1,210	554	203	169	127
16	79	78	e418	e161	549	2,160	689	1,440	515	185	246	145
17	76	156	e355	e151	882	1,830	818	1,650	486	167	213	118
18	73	154	e305	e165	1,160	1,580	729	1,740	456	156	157	102
19	80	129	e257	e181	1,150	1,350	806	1,670	437	172	127	97
20	80	117	e231	e160	1,170	1,140	1,680	1,470	480	175	113	121
21	80	107	e204	e155	1,240	959	1,990	1,260	528	158	110	141
22	78	101	e184	e145	1,220	844	1,630	1,080	718	145	111	128
23	76	102	e169	e144	1,060	801	1,510	938	780	238	100	175
24	73	105	e148	e141	868	914	1,380	1,100	816	621	142	183
25	72	506	e133	e131	877	773	1,490	1,240	764	428	171	159
26	79	1,060	e124	e124	849	702	1,640	1,240	689	363	183	144
27	161	792	e117	e120	775	648	1,680	1,260	617	304	135	334
28	141	625	e113	e115	4,530	601	1,730	1,510	542	251	111	360
29	112	521	e109	e113	---	558	1,650	2,050	465	221	104	330
30	103	654	e109	e109	---	525	1,400	2,850	405	207	92	341
31	97	---	164	e104	---	522	---	2,910	---	177	86	---
Total	2,830	6,449	11,728	7,820	20,957	72,557	36,944	46,149	23,184	8,053	5,244	4,813
Mean	91.3	215	378	252	748	2,341	1,231	1,489	773	260	169	160
Max	161	1,060	1,230	729	4,530	6,890	2,020	2,910	2,340	621	441	360
Min	72	74	109	104	132	522	494	796	405	145	86	84
Cfsm	0.20	0.46	0.82	0.54	1.61	5.04	2.65	3.21	1.67	0.56	0.36	0.35
In.	0.23	0.52	0.94	0.63	1.68	5.82	2.96	3.70	1.86	0.65	0.42	0.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	144	229	399	574	670	894	751	533	418	288	199	151
Max	1,015	1,286	1,509	2,690	1,648	2,341	1,400	1,523	2,281	3,960	2,147	1,473
(WY)	(1991)	(1986)	(1991)	(2005)	(1975)	(2011)	(1957)	(1996)	(1947)	(1969)	(1935)	(1979)
Min	26.8	37.1	38.1	42.3	71.6	124	170	71.8	69.9	39.6	34.7	25.6
(WY)	(1964)	(1954)	(1964)	(1945)	(1934)	(1931)	(1935)	(1934)	(1988)	(1954)	(1932)	(1954)

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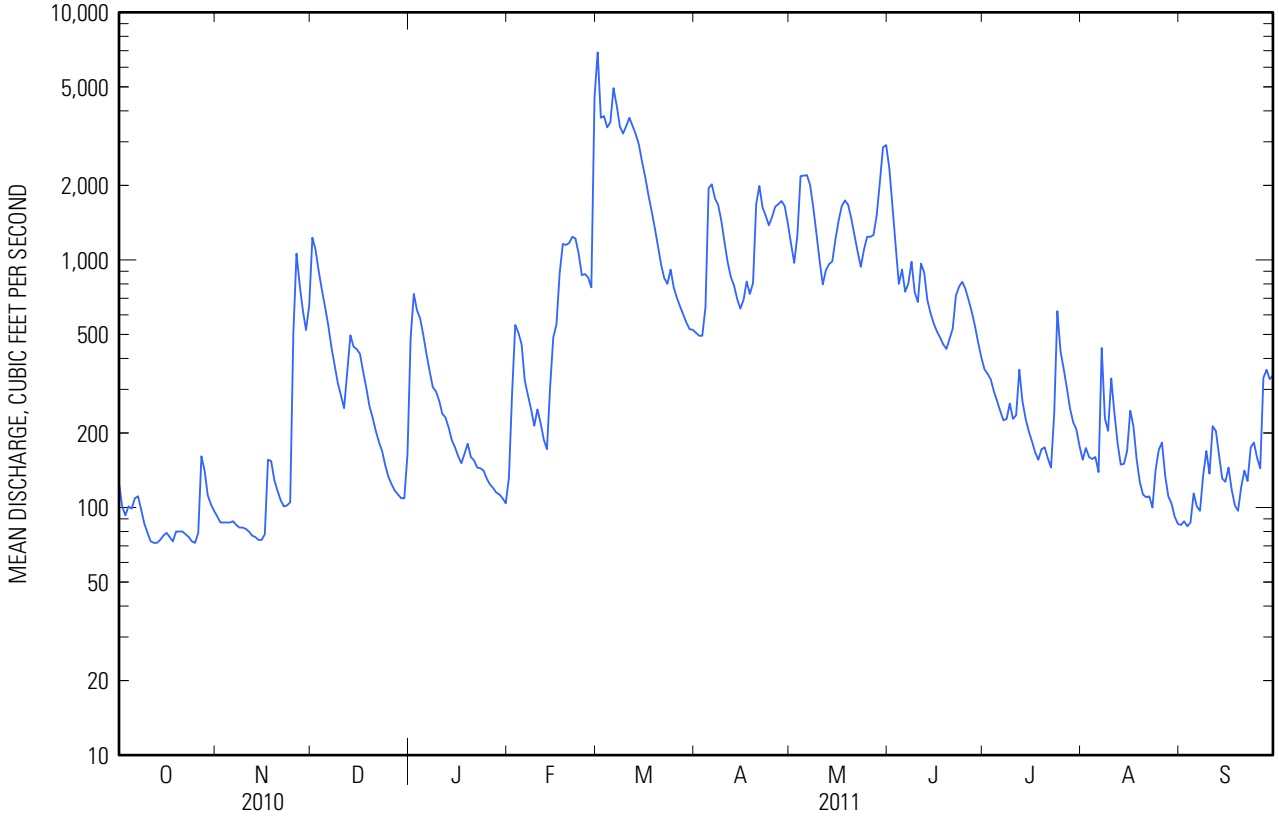
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1931 - 2011	
Annual total	142,949		246,728			
Annual mean	392		676		436	
Highest annual mean					698	2004
Lowest annual mean					128	1931
Highest daily mean	2,560	Mar 14	6,890	Mar 1	37,200	Jul 6, 1969
Lowest daily mean	51	Sep 6	72	Oct 12	23	Sep 10, 1954
Annual seven-day minimum	55	Sep 4	75	Oct 11	23	Sep 8, 1954
Maximum peak flow			10,100	Mar 1	47,500	Jul 5, 1969
Maximum peak stage			18.07	Mar 1	26.40	Jul 5, 1969
Instantaneous low flow			70	Oct 12	23	Sep 10, 1954
Annual runoff (cfsm)	0.84		1.46		0.94	
Annual runoff (inches)	11.46		19.78		12.78	
10 percent exceeds	1,080		1,660		1,100	
50 percent exceeds	231		306		219	
90 percent exceeds	74		88		59