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Water-Data Report 2012

03113990 CAPTINA CREEK AT STATE ROUTE 148 AT ARMSTRONGS MILLS, OH

Upper Ohio-Beaver Basin
Upper Ohio-Wheeling Subbasin

LOCATION.--Lat 39°54'24", long 80°56'10" referenced to North American Datum of 1927, Belmont County, OH, Hydrologic Unit 05030106, on left bank at downstream side of bridge on State Highway 148, at intersection of State Highway 9 at Armstrongs Mills.

DRAINAGE AREA.--127 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 2003 to current year.

GAGE.--Water-stage recorder. Datum of gage is 756.09 ft NAVD 1988. Prior to Oct 2004 datum of gage was 757.11 NGVD 1929.

REMARKS.--Records fair. Station relocated 1.5 mi upstream from station 03114000, Captina Creek at Armstrong Mills.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)
Oct 13	2130	*9,900	*12.98
Nov 22	1915	4,040	8.36
Mar 19	0715	5,260	9.40

Minimum discharge, 0.58 ft³/s, July 13, 14, gage height, 3.21 ft.

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 03113990, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/03113990.2012.pdf

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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	161	162	356	242	258	195	198	59	111	23	12	5.2
2	265	142	271	206	217	147	172	351	153	13	7.5	459
3	292	130	219	176	179	185	148	194	68	13	9.5	93
4	285	118	192	170	174	149	139	129	47	6.9	8.1	38
5	199	103	169	148	189	134	127	104	37	5.0	505	31
6	153	94	226	141	159	116	113	90	28	4.4	405	17
7	118	89	235	132	149	113	101	75	27	2.6	98	8.4
8	97	85	229	116	141	450	94	1,130	27	1.5	61	18
9	86	85	191	108	135	898	92	465	27	1.3	49	40
10	77	88	165	103	127	342	90	245	24	1.1	72	19
11	69	79	142	114	128	255	85	161	20	0.79	66	12
12	228	71	138	213	122	237	78	123	23	0.80	48	8.3
13	1,730	68	122	308	133	251	76	109	32	0.67	30	6.7
14	2,000	66	135	208	117	203	73	122	22	0.78	25	6.0
15	582	359	161	233	134	193	103	101	15	1.3	22	4.3
16	297	421	193	220	159	198	83	86	9.4	1.7	20	2.2
17	227	430	150	953	176	180	73	73	15	1.5	19	2.4
18	173	245	142	630	155	194	66	60	33	4.3	21	36
19	148	186	131	336	140	2,010	62	53	65	160	17	53
20	246	164	163	256	126	622	61	47	43	393	15	21
21	240	314	736	231	118	374	67	42	26	280	15	10
22	184	1,370	756	203	118	278	82	36	17	68	17	8.0
23	153	1,450	920	888	112	230	82	41	16	38	13	6.5
24	137	525	467	527	107	270	74	37	14	26	9.4	4.5
25	136	342	332	327	99	228	62	30	12	23	5.1	2.8
26	138	260	260	1,080	90	185	71	25	10	17	3.7	146
27	363	229	669	1,860	87	152	78	20	7.0	43	4.3	270
28	380	477	944	737	83	147	64	21	5.7	53	5.1	292
29	272	766	456	446	202	137	59	25	6.1	45	5.6	109
30	227	542	344	326	---	125	54	44	14	26	5.7	63
31	184	---	291	268	---	319	---	28	---	14	5.0	---
Total	9,847	9,460	9,905	11,906	4,134	9,517	2,727	4,126	954.2	1,269.64	1,599.0	1,792.3
Mean	318	315	320	384	143	307	90.9	133	31.8	41.0	51.6	59.7
Max	2,000	1,450	944	1,860	258	2,010	198	1,130	153	393	505	459
Min	69	66	122	103	83	113	54	20	5.7	0.67	3.7	2.2
Cfsm	2.50	2.48	2.52	3.02	1.12	2.42	0.72	1.05	0.25	0.32	0.41	0.47
In.	2.88	2.77	2.90	3.49	1.21	2.79	0.80	1.21	0.28	0.37	0.47	0.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	99.0	151	226	350	264	371	277	184	127	73.3	73.4	173
Max	318	451	387	945	463	708	777	296	334	205	417	991
(WY)	(2012)	(2004)	(2005)	(2005)	(2008)	(2007)	(2011)	(2009)	(2010)	(2008)	(2003)	(2004)
Min	4.91	9.44	91.8	77.6	83.8	57.5	84.9	50.4	17.8	9.08	8.61	4.46
(WY)	(2009)	(2009)	(2007)	(2011)	(2010)	(2009)	(2010)	(2007)	(2007)	(2005)	(2006)	(2008)

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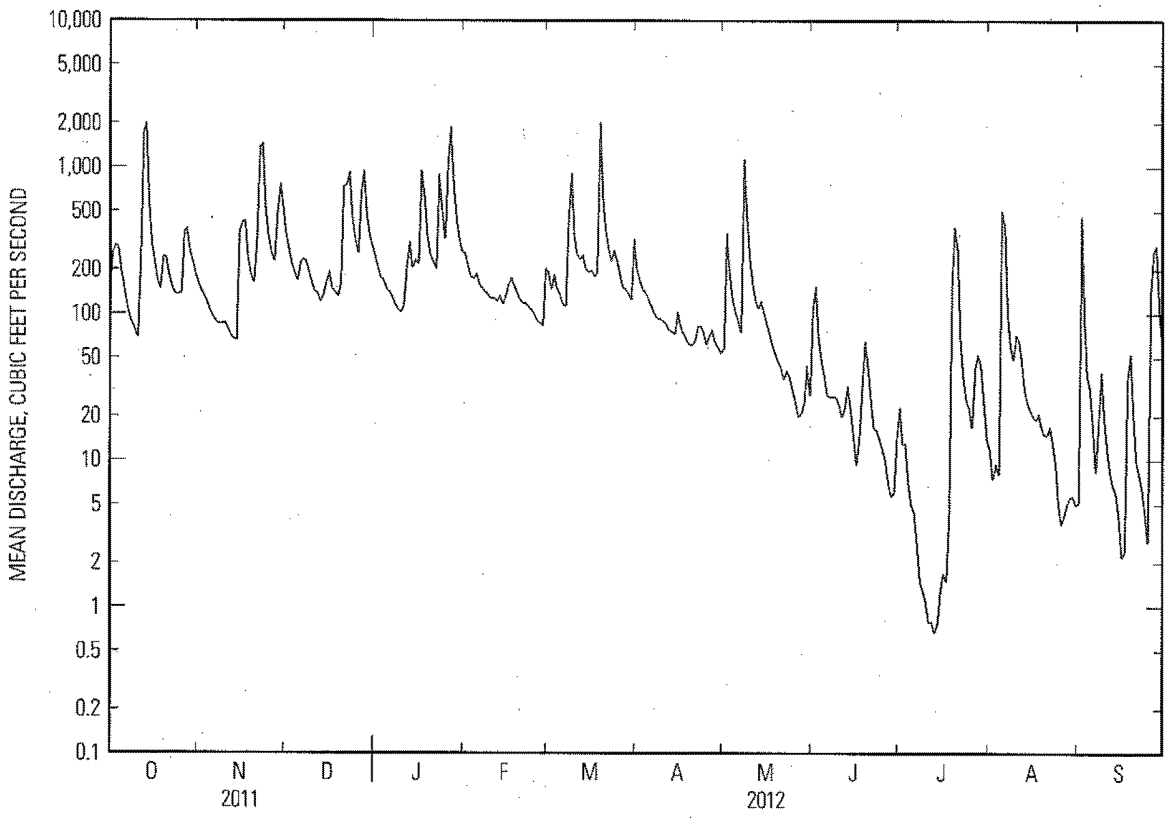
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 2003 - 2012	
Annual total	95,063.8		67,237.14			
Annual mean	260		184		189	
Highest annual mean					324	2004
Lowest annual mean					107	2009
Highest daily mean	2,690	Feb 25	2,010	Mar 19	9,600	Sep 17, 2004
Lowest daily mean	7.7	Aug 1	0.67	Jul 13	0.31	Sep 13, 2010
Annual seven-day minimum	9.7	Jul 31	0.96	Jul 9	0.68	Sep 7, 2010
Maximum peak flow			9,900	Oct 13	28,100	Sep 17, 2004
Maximum peak stage			12.98	Oct 13	23.54	Sep 17, 2004
Instantaneous low flow			0.58	Jul 13	0.29	Sep 11, 2010
Annual runoff (cfsm)	2.05		1.45		1.49	
Annual runoff (inches)	27.85		19.69		20.24	
10 percent exceeds	643		384		421	
50 percent exceeds	115		115		72	
90 percent exceeds	23		8.1		5.5	



7Q10 = 0.68 cfs