



Water-Data Report 2008

03075905 CHERRY CREEK AT STATE PARK ROAD NEAR MCHENRY, MD

Monongahela Basin
Youghiogheny Subbasin

LOCATION.--Lat 39°32'16.8", long 79°18'56.8" referenced to North American Datum of 1983, Garrett County, MD, Hydrologic Unit 05020006, on right bank, 3.0 mi southeast of McHenry, 3.2 mi northeast of Thayerville, and 0.15 mi upstream of confluence with Deep Creek Lake.

DRAINAGE AREA.--13.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2007 to September 2008.

GAGE.--Water-stage recorder. Datum of gage is 2,465.4 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for estimated daily discharges (ice effect, recorder malfunction) and discharges under 3 cfs, which are poor. U.S. Geological Survey satellite collection platform at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 10	0355	265	4.23
Feb 6	2315	275	4.26
Mar 5	0340	*371	*4.52

Minimum discharge, 0.73 ft³/s, Oct. 7, Sept. 25, 26.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.3	3.7	11	e30	33	28	18	30	84	9.2	8.8	2.2
2	1.2	3.3	14	e28	29	26	17	25	50	6.9	88	1.5
3	1.0	2.9	87	e26	27	37	15	24	28	5.2	119	1.3
4	0.97	2.6	65	e25	40	105	24	31	116	26	30	1.1
5	0.91	2.5	37	e23	125	285	29	21	e116	39	14	0.95
6	0.87	6.0	28	e60	213	103	25	17	e60	22	14	1.1
7	0.78	6.1	23	e47	187	70	22	15	35	20	12	1.1
8	0.80	4.7	41	e36	88	67	19	21	25	24	7.5	0.95
9	0.96	4.3	107	e29	62	50	17	45	20	14	6.2	4.9
10	1.4	5.5	219	e22	51	44	15	100	18	11	5.0	4.9
11	1.3	5.2	121	e95	34	43	15	105	19	7.8	4.3	2.8
12	1.9	7.7	79	e75	31	36	16	142	14	6.1	3.9	8.3
13	1.8	13	115	e62	e28	30	14	90	12	5.5	3.2	16
14	1.5	14	174	e50	e26	29	17	57	15	5.4	2.8	9.0
15	1.4	67	85	e42	e24	38	14	e36	22	4.4	2.5	5.0
16	1.2	60	63	e34	e22	36	12	e56	15	3.3	2.2	3.4
17	1.1	27	e52	e28	30	27	10	99	20	2.9	2.0	2.4
18	0.99	19	44	e26	81	34	9.4	e147	15	2.5	1.8	1.8
19	1.3	18	38	e24	56	91	8.9	e119	11	2.2	1.5	1.5
20	2.0	15	34	e23	35	129	50	e86	8.4	2.7	1.4	1.4
21	1.7	14	30	e22	e31	72	58	e75	7.1	6.7	1.3	1.2
22	1.4	12	27	e21	28	49	57	e56	13	15	1.2	1.1
23	1.4	12	65	e20	36	40	36	e44	9.0	32	1.1	1.0
24	9.5	9.6	100	e19	31	34	25	35	7.5	27	1.0	0.90
25	27	8.9	58	e17	28	29	20	29	5.8	12	0.96	0.78
26	21	13	39	e16	35	25	18	24	4.8	5.8	0.92	1.0
27	23	32	e33	e15	56	27	17	34	5.7	4.9	0.89	1.5
28	13	26	e36	e14	47	33	45	36	8.5	4.2	5.6	4.9
29	8.3	17	e40	25	41	27	57	26	18	3.4	7.7	3.9
30	5.7	13	e34	e80	---	21	41	19	14	4.5	6.0	2.4
31	4.4	---	e31	e52	---	19	---	48	---	10	4.0	---
Mean	4.55	14.8	62.3	35.0	53.6	54.3	24.7	54.6	26.6	11.1	11.6	3.01
Max	27	67	219	95	213	285	58	147	116	39	119	16
Min	0.78	2.5	11	14	22	19	8.9	15	4.8	2.2	0.89	0.78
Ac-ft	280	883	3,830	2,150	3,080	3,340	1,470	3,360	1,580	685	716	179
Cfsm	0.35	1.13	4.75	2.67	4.09	4.15	1.89	4.17	2.03	0.85	0.89	0.23
In.	0.40	1.26	5.48	3.08	4.42	4.78	2.11	4.80	2.26	0.98	1.02	0.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4.55	14.8	62.3	35.0	53.6	54.3	24.7	54.6	26.6	11.1	11.6	3.01
Max	4.55	14.8	62.3	35.0	53.6	54.3	24.7	54.6	26.6	11.1	11.6	3.01
(WY)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)
Min	4.55	14.8	62.3	35.0	53.6	54.3	24.7	54.6	26.6	11.1	11.6	3.01
(WY)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)	(2008)

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SUMMARY STATISTICS

Water Year 2008	
Annual mean	29.7
Highest daily mean	285 Mar 5
Lowest daily mean	0.78 Oct 7 ^a
Annual seven-day minimum	0.90 Oct 3
Maximum peak flow	^b 371 Mar 5
Maximum peak stage	4.52 Mar 5
Instantaneous low flow	0.73 Oct 7 ^c
Annual runoff (ac-ft)	21,560
Annual runoff (cfsm)	2.27
Annual runoff (inches)	30.86
10 percent exceeds	73
50 percent exceeds	20
90 percent exceeds	1.4

^a Oct. 7, Sept. 25.

^b From rating curve extended above 327 ft³/s.

^c Oct. 7, Sept. 25, 26.

