



Water-Data Report 2009

**01362192 PANTHER MOUNTAIN TRIBUTARY TO ESOPUS CREEK NEAR OLIVEREA, NY**

Upper Hudson Basin  
Middle Hudson Subbasin

LOCATION.--Lat 42°02'01", long 74°25'15" referenced to North American Datum of 1927, Ulster County, NY, Hydrologic Unit 02020006, on left bank 40 ft downstream from culvert on Oliverea-Slide Mountain Road, about 3.0 mi south of Oliverea, and 6.3 mi south of Big Indian.

DRAINAGE AREA.--1.54 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 2001 to June 2009 (discontinued).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,980 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 160 ft<sup>3</sup>/s, Sept. 27, 2003, gage height, 3.31 ft, from rating curve extended above 68 ft<sup>3</sup>/s on basis of flow-through-culvert analysis; minimum, no flow part or all of many days during 2002, 2005-08.

EXTREMES FOR CURRENT PERIOD.--October 2008 to June 2009: Peak discharges greater than base discharge of 100 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Dec 12	0315	*129	*3.05
No other peak greater than base discharge			

Minimum discharge, 0.09 ft<sup>3</sup>/s, Oct. 24, 25; minimum gage height, 1.62 ft, Feb. 6, 7.

## 01362192 PANTHER MOUNTAIN TRIBUTARY TO ESOPUS CREEK NEAR OLIVEREA, NY—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.9	8.4	3.7	3.5	0.23	3.2	2.4	2.2	2.8	---	---	---
2	1.5	8.4	2.5	2.9	0.22	2.6	2.4	2.2	2.5	---	---	---
3	1.2	7.7	2.3	2.4	0.21	e2.1	5.5	2.0	2.2	---	---	---
4	1.0	8.5	2.2	2.0	0.20	e1.8	8.1	1.9	1.9	---	---	---
5	0.89	9.4	2.0	1.8	0.17	1.6	8.0	1.6	1.7	---	---	---
6	0.79	11	1.8	1.5	0.16	1.7	6.8	1.7	1.5	---	---	---
7	0.70	9.8	1.7	1.5	0.17	4.2	5.6	2.9	1.3	---	---	---
8	0.59	7.5	1.4	1.4	0.52	7.8	4.5	2.2	1.2	---	---	---
9	0.57	5.3	1.3	1.1	0.51	23	3.7	2.5	1.2	---	---	---
10	0.50	4.0	6.4	1.0	0.39	5.7	3.4	2.3	1.1	---	---	---
11	0.44	3.2	11	0.96	0.64	6.5	3.8	2.2	1.00	---	---	---
12	0.39	2.7	50	0.86	2.9	6.5	3.0	2.1	1.2	---	---	---
13	0.36	2.6	e7.8	0.79	1.9	5.6	2.7	1.9	1.3	---	---	---
14	0.33	2.7	e6.0	0.74	1.7	4.5	2.6	2.9	1.5	---	---	---
15	0.30	3.6	5.9	0.66	1.5	3.8	2.4	2.7	1.9	---	---	---
16	0.30	4.9	7.4	e0.53	1.3	3.3	2.2	11	1.3	---	---	---
17	0.28	4.1	5.6	e0.47	1.2	3.0	2.0	25	1.2	---	---	---
18	0.23	3.5	3.9	0.51	1.2	2.9	1.9	11	3.9	---	---	---
19	0.20	3.0	3.2	0.48	1.1	3.0	1.8	8.8	3.7	---	---	---
20	0.18	2.6	2.6	0.45	0.97	2.8	1.9	5.5	5.6	---	---	---
21	0.16	2.1	2.3	0.40	0.88	2.5	4.1	4.1	12	---	---	---
22	0.14	1.8	1.9	0.37	0.85	2.4	4.5	3.2	10	---	---	---
23	0.12	1.6	1.6	0.34	0.80	2.1	4.2	2.6	7.6	---	---	---
24	0.10	1.5	e2.9	0.32	0.74	2.0	3.7	2.9	4.8	---	---	---
25	16	2.0	8.6	0.26	0.68	1.8	3.4	2.2	3.6	---	---	---
26	12	1.5	6.0	0.22	0.67	1.7	3.1	2.0	2.8	---	---	---
27	11	1.3	7.3	0.19	3.3	1.7	2.8	3.4	2.4	---	---	---
28	10	1.2	9.5	0.24	4.7	1.6	2.6	2.6	2.0	---	---	---
29	6.9	1.1	7.7	0.48	---	1.9	2.4	4.1	1.7	---	---	---
30	4.9	1.1	7.2	0.33	---	2.6	2.3	3.5	1.8	---	---	---
31	5.1	---	5.3	0.27	---	2.4	---	3.2	---	---	---	---
<b>Total</b>	79.07	128.1	189.0	28.97	29.81	118.3	107.8	128.4	88.70	---	---	---
<b>Mean</b>	2.55	4.27	6.10	0.93	1.06	3.82	3.59	4.14	2.96	---	---	---
<b>Max</b>	16	11	50	3.5	4.7	23	8.1	25	12	---	---	---
<b>Min</b>	0.10	1.1	1.3	0.19	0.16	1.6	1.8	1.6	1.0	---	---	---
<b>Cfsm</b>	1.66	2.77	3.96	0.61	0.69	2.48	2.33	2.69	1.92	---	---	---
<b>In.</b>	1.91	3.09	4.57	0.70	0.72	2.86	2.60	3.10	2.14	---	---	---

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