



Water-Data Report 2009

01350032 TOAD HOLLOW BROOK NEAR GRAND GORGE, NY

Upper Hudson Basin
Schoharie Subbasin

LOCATION.--Lat 42°19'58", long 74°29'38" referenced to North American Datum of 1927, Delaware County, NY, Hydrologic Unit 02020005, on left bank 40 ft upstream from culvert on Johnson Hollow Road, and 2.0 mi south of Grand Gorge.

DRAINAGE AREA.--0.76 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1999 to June 2009 (discontinued).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,760 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges and those below 1.0 ft³/s, which are poor. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 165 ft³/s, Sept. 16, 1999, gage height, 2.70 ft, from rating curve extended above 30 ft³/s; maximum gage height, 3.05 ft, Feb. 14, 2000 (ice jam); minimum, no flow part or all of many days during September 1999, August and September 2001, 2002, and 2005, and October 2005.

EXTREMES FOR CURRENT PERIOD.--October 2008 to June 2009: Peak discharges greater than base discharge of 25 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec 12	0300	*21	*2.06

Minimum discharge, 0.20 ft³/s, on several days in October; minimum gage height, 1.37 ft, Jan. 24, 25, Feb. 5, 6.

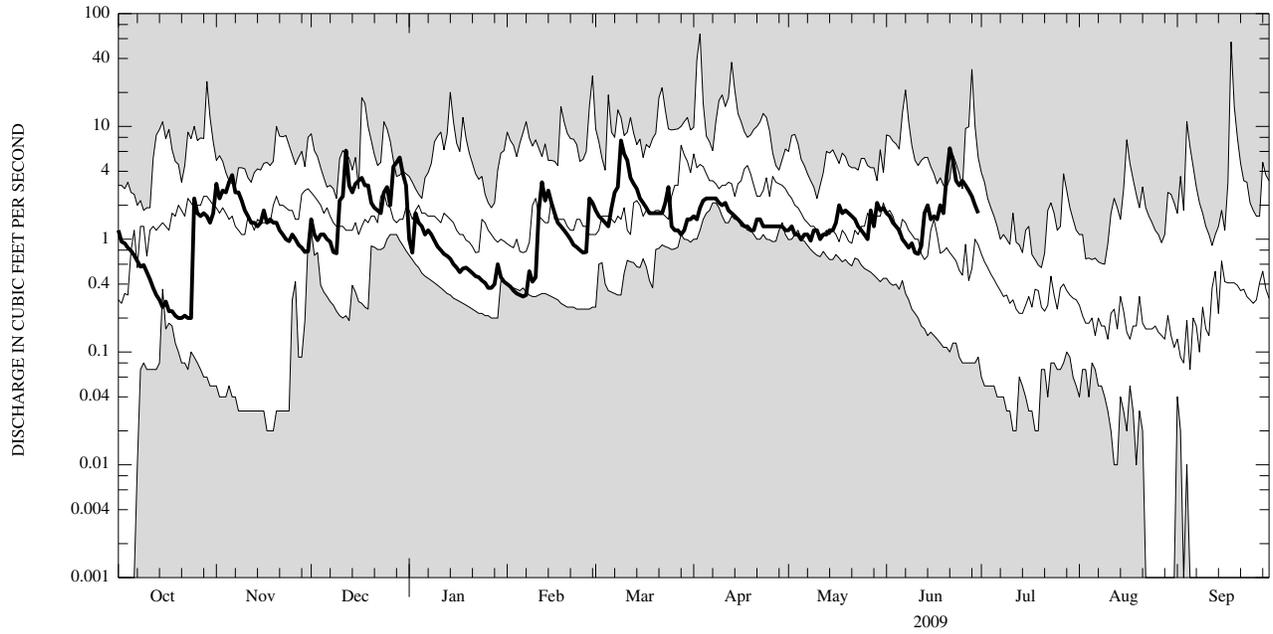
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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.2	3.1	1.5	e1.0	e0.40	e1.8	1.6	1.2	1.7	---	---	---
2	0.95	2.3	1.1	e0.76	e0.38	e1.6	1.5	1.3	1.6	---	---	---
3	0.92	2.7	0.98	1.7	e0.35	e1.5	1.9	1.1	1.4	---	---	---
4	0.84	2.6	1.1	1.4	e0.33	e1.4	2.2	1.1	1.3	---	---	---
5	0.79	3.2	1.1	1.3	e0.32	e1.3	2.3	0.99	1.2	---	---	---
6	0.72	3.7	1.0	1.1	e0.31	1.9	2.3	1.1	1.0	---	---	---
7	0.64	2.6	e0.95	1.2	e0.32	2.6	2.3	1.1	0.92	---	---	---
8	0.57	2.6	e0.77	1.1	e0.52	2.9	2.3	0.97	0.84	---	---	---
9	0.59	2.2	e0.75	0.97	e0.42	7.5	2.1	1.2	0.92	---	---	---
10	0.51	1.8	2.2	e0.86	e0.46	5.7	2.0	1.2	0.76	---	---	---
11	0.44	1.6	2.4	e0.80	1.8	5.0	2.1	1.0	0.74	---	---	---
12	0.37	1.4	6.1	0.74	3.2	3.5	1.8	1.1	0.87	---	---	---
13	0.32	1.4	3.0	0.71	2.2	3.1	1.7	1.1	1.7	---	---	---
14	0.29	1.3	2.6	0.67	2.7	2.8	1.6	1.2	2.0	---	---	---
15	0.25	1.4	3.1	e0.60	2.1	2.3	1.5	1.2	1.5	---	---	---
16	0.28	1.8	3.3	e0.56	e1.7	2.1	1.4	1.4	1.6	---	---	---
17	0.23	1.4	3.5	e0.51	e1.4	1.9	1.3	2.0	1.5	---	---	---
18	0.23	1.5	3.0	e0.55	e1.3	1.7	1.3	1.7	2.0	---	---	---
19	0.21	1.4	3.0	e0.56	e1.2	1.7	1.2	1.8	1.7	---	---	---
20	0.20	1.4	2.1	0.53	e1.1	1.7	1.2	1.7	3.6	---	---	---
21	0.20	1.2	1.9	0.50	1.0	1.7	1.5	1.6	6.4	---	---	---
22	0.21	1.1	e1.8	0.47	0.89	1.7	1.5	1.5	5.0	---	---	---
23	0.20	1.0	e1.7	0.46	0.85	2.1	1.3	1.3	3.3	---	---	---
24	0.20	0.96	2.6	0.43	0.80	2.9	1.3	1.2	3.0	---	---	---
25	2.3	1.1	2.9	e0.41	0.76	1.3	1.3	1.1	3.3	---	---	---
26	1.7	1.00	2.0	e0.37	0.77	1.2	1.3	1.0	3.0	---	---	---
27	1.6	0.89	4.4	e0.37	2.3	1.2	1.3	1.8	2.7	---	---	---
28	1.7	0.84	4.8	e0.40	2.1	1.1	1.3	1.3	2.4	---	---	---
29	1.6	0.77	5.3	e0.60	---	1.2	1.3	2.1	2.0	---	---	---
30	1.4	0.78	3.8	e0.46	---	1.5	1.2	1.8	1.7	---	---	---
31	1.7	---	3.0	e0.42	---	1.5	---	1.9	---	---	---	---
Total	23.36	51.04	77.75	22.51	31.98	71.4	48.9	42.06	61.65	---	---	---
Mean	0.75	1.70	2.51	0.73	1.14	2.30	1.63	1.36	2.06	---	---	---
Max	2.3	3.7	6.1	1.7	3.2	7.5	2.3	2.1	6.4	---	---	---
Min	0.20	0.77	0.75	0.37	0.31	1.1	1.2	0.97	0.74	---	---	---
Cfsm	0.99	2.24	3.30	0.96	1.50	3.03	2.14	1.79	2.70	---	---	---
In.	1.14	2.50	3.81	1.10	1.57	3.49	2.39	2.06	3.02	---	---	---

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CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.
ZERO OR NEGATIVE FLOWS ARE PLOTTED AS 0.001 DISCHARGE, WHICH MAY INCLUDE THE LOWEST DAILY MEAN FOR PERIOD OF RECORD.