

Water-Data Report 2008

01350101 SCHOHARIE CREEK AT GILBOA, NY

Upper Hudson Basin
Schoharie Subbasin

LOCATION.--Lat 42°23'50", long 74°27'03" referenced to North American Datum of 1927, Schoharie County, NY, Hydrologic Unit 02020005, on left bank 200 ft upstream from bridge on County Highway 322, 0.2 mi west of village of Gilboa, 0.4 mi downstream from dam on Schoharie Reservoir, and 0.8 mi upstream from the Platter Kill.

DRAINAGE AREA.--316 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1975 to current year (since October 1983, discharges only for days of Schoharie Reservoir spill and since October 1989, discharges only for days of mean flow exceeding 10 ft³/s).

REVISED RECORDS.--WDR NY-90-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 939.56 ft above NGVD of 1929.

REMARKS.--Records fair. Entire flow, runoff from 315 mi², except for periods of spill, diverted from Schoharie Reservoir through Shandaken Tunnel into Esopus Creek upstream from Ashokan Reservoir for water supply of city of New York. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,800 ft³/s, Jan. 19, 1996, gage height, 30.60 ft, outside gage height was 32.2 ft, from floodmark, from rating curve extended above 16,000 ft³/s on basis of flow-over-dam measurement of peak flow; minimum daily discharge, 0.04 ft³/s on many days, June to October 1976, and Sept. 11-13, 1980, but may have been lower since October 1983 (see PERIOD OF RECORD); minimum instantaneous discharge not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, about 65,000 ft³/s, Oct. 16, 1955, by computation of flow over dam; flood of Mar. 18, 1936, reached a discharge of 32,000 ft³/s, from information furnished by Bureau of Water Resources Development, City of New York.

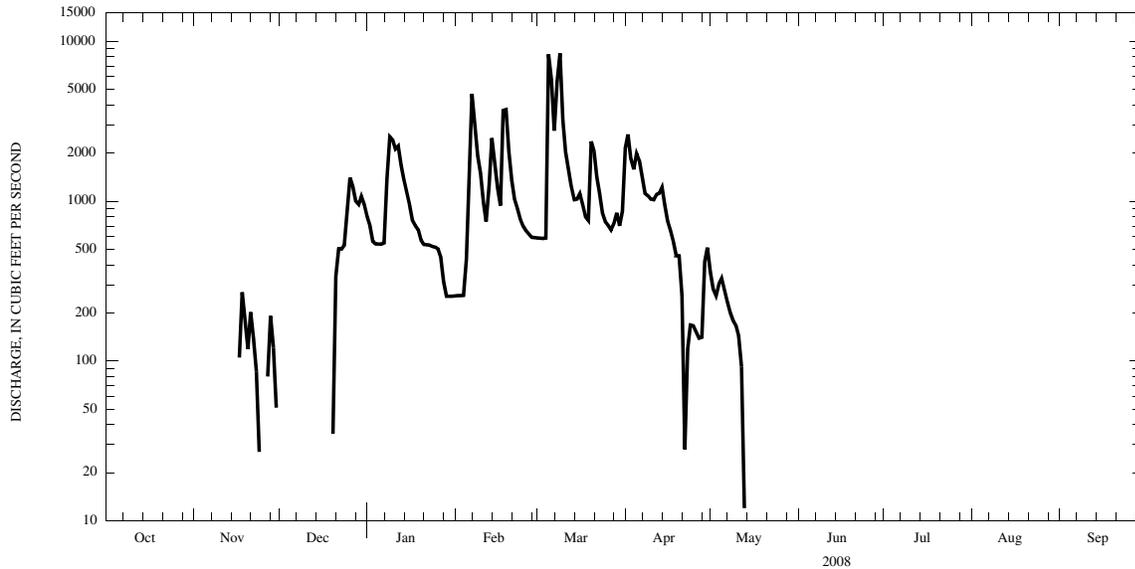
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,800 ft³/s, Mar. 5, gage height, 19.26 ft; minimum discharge not determined.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	802	255	588	2,140	361	---	---	---	---
2	---	---	---	703	256	586	2,610	282	---	---	---	---
3	---	---	---	561	256	583	1,830	256	---	---	---	---
4	---	---	---	540	257	587	1,580	303	---	---	---	---
5	---	---	---	538	432	8,290	1,980	328	---	---	---	---
6	---	---	---	537	1,300	5,780	1,780	276	---	---	---	---
7	---	---	---	547	4,690	2,760	1,410	233	---	---	---	---
8	---	---	---	1,370	2,930	5,610	1,120	200	---	---	---	---
9	---	---	---	2,530	1,920	8,400	1,080	179	---	---	---	---
10	---	---	---	2,420	1,490	3,210	1,030	166	---	---	---	---
11	---	---	---	2,120	985	2,030	1,020	143	---	---	---	---
12	---	---	---	2,210	746	1,590	1,100	92	---	---	---	---
13	---	---	---	1,680	1,220	1,230	1,120	12	---	---	---	---
14	---	---	---	1,350	2,480	1,020	1,220	---	---	---	---	---
15	---	---	---	1,140	1,720	1,030	933	---	---	---	---	---
16	---	---	---	946	1,210	1,110	740	---	---	---	---	---
17	---	105	---	757	937	950	647	---	---	---	---	---
18	---	269	---	703	3,690	797	551	---	---	---	---	---
19	---	176	---	663	3,740	756	456	---	---	---	---	---
20	---	119	35	569	2,030	2,360	455	---	---	---	---	---
21	---	202	338	535	1,350	2,040	257	---	---	---	---	---
22	---	138	504	533	1,020	1,420	28	---	---	---	---	---
23	---	86	501	530	897	1,110	119	---	---	---	---	---
24	---	27	530	520	771	838	168	---	---	---	---	---
25	---	---	838	515	698	740	166	---	---	---	---	---
26	---	---	1,400	503	653	702	152	---	---	---	---	---
27	---	80	1,230	445	622	661	139	---	---	---	---	---
28	---	191	1,000	313	593	724	141	---	---	---	---	---
29	---	121	953	254	592	843	418	---	---	---	---	---
30	---	51	1,070	254	---	701	512	---	---	---	---	---
31	---	---	952	254	---	863	---	---	---	---	---	---
Total	---	---	---	27,342	39,740	59,909	26,902	---	---	---	---	---
Mean	---	---	---	882	1,370	1,933	897	---	---	---	---	---
Max	---	---	---	2,530	4,690	8,400	2,610	---	---	---	---	---
Min	---	---	---	254	255	583	28	---	---	---	---	---

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CURRENT WATER YEAR DAILY MEAN DISCHARGE.