

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 except those for estimated daily discharges, which are poor. 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, 23,700 ft³/s, Apr. 16, gage height, 20.93 ft; minimum discharge not determined.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	83	---	1,510	1,110	---	---	---	---
2	---	---	---	---	59	---	1,410	1,020	---	---	---	---
3	---	---	---	---	e54	---	1,460	916	---	---	---	---
4	---	---	---	---	e35	---	1,540	795	543	---	---	---
5	---	---	---	---	e24	---	1,780	760	2,080	---	---	---
6	---	---	---	---	---	---	1,430	758	1,250	---	---	---
7	---	---	---	---	---	e98	1,100	751	774	---	---	---
8	---	---	---	599	---	e400	920	222	560	---	---	---
9	---	23	---	1,630	---	e680	800	---	433	---	---	---
10	---	236	---	1,240	---	e660	752	36	348	---	---	---
11	---	237	---	939	---	661	747	698	250	---	---	---
12	---	235	---	791	---	647	743	826	200	---	---	---
13	---	235	---	786	---	631	748	614	173	---	---	---
14	---	235	---	806	---	643	751	466	123	---	---	---
15	---	235	---	e1,250	---	1,550	752	319	32	---	---	---
16	---	241	---	1,960	---	3,470	12,700	285	---	---	---	---
17	---	2,860	---	1,360	---	2,040	10,200	245	---	---	---	---
18	---	2,190	---	963	---	1,630	6,080	166	---	---	---	---
19	---	1,150	---	907	---	1,230	4,910	126	---	---	---	---
20	---	662	---	776	---	1,030	4,950	320	---	---	---	---
21	---	391	---	552	---	831	4,430	470	68	---	---	---
22	---	270	---	522	---	932	4,070	313	45	---	---	---
23	---	260	---	505	---	3,090	3,630	210	15	---	---	---
24	---	258	---	461	---	2,820	3,390	139	---	---	---	---
25	---	257	---	401	---	3,580	2,660	97	---	---	---	---
26	---	255	---	262	---	2,830	2,450	63	---	---	---	---
27	---	94	---	174	---	3,820	1,960	42	---	---	---	---
28	---	---	---	206	---	4,840	1,810	51	---	---	---	---
29	---	---	---	201	---	3,380	1,600	51	---	---	---	---
30	---	---	---	152	---	2,260	1,330	27	---	---	---	---
31	---	---	---	122	---	1,820	---	---	---	---	---	---
Total	---	---	---	---	---	---	82,613	---	---	---	---	---
Mean	---	---	---	---	---	---	2,754	---	---	---	---	---
Max	---	---	---	---	---	---	12,700	---	---	---	---	---
Min	---	---	---	---	---	---	743	---	---	---	---	---

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