

**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 at downstream side of bridge on State Route 990V, 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 mi<sup>2</sup>.

**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 ft<sup>3</sup>/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. Prior to Aug. 29, 2011, at site 200 ft upstream at same datum.

REMARKS.--Records fair. Entire flow, runoff from 315 mi<sup>2</sup>, 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, 111,000 ft<sup>3</sup>/s, Aug. 28, 2011, gage height, 40.52 ft, from floodmark at site then in use, 32.34 ft, from floodmark at present site, from rating curve extended above 22,000 ft<sup>3</sup>/s on basis of flow-over-dam measurement of peak flow; minimum daily discharge, 0.04 ft<sup>3</sup>/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 ft<sup>3</sup>/s, Oct. 16, 1955, by computation of flow over dam; flood of Mar. 18, 1936, reached a discharge of 32,000 ft<sup>3</sup>/s, from information furnished by Bureau of Water Resources Development, City of New York.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 111,000 ft<sup>3</sup>/s, Aug. 28, gage height, 40.52 ft, from floodmark at site then in use, 32.34 ft, from floodmark at present site, from rating curve extended above 22,000 ft<sup>3</sup>/s on basis of flow-over-dam measurement of peak flow; minimum discharge not determined.

## 01350101 SCHOHARIE CREEK AT GILBOA, NY—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4,280	722	4,740	686	81	483	558	1,850	456	499	---	1,750
2	5,470	717	7,670	687	67	486	559	1,500	451	308	---	1,230
3	2,720	709	3,210	696	e75	489	559	1,260	229	458	---	708
4	1,820	704	2,110	689	e75	487	567	1,750	---	2,560	---	556
5	2,010	711	1,630	686	e67	489	e1,420	2,160	---	1,570	---	1,160
6	2,330	723	1,290	678	72	581	e2,230	1,700	---	865	---	4,180
7	2,510	727	1,050	667	84	5,130	e1,820	1,370	---	592	---	14,200
8	2,110	723	e876	660	88	3,380	1,520	1,140	---	455	---	10,500
9	1,500	725	e773	658	e97	2,340	1,290	966	---	408	---	5,320
10	1,060	729	e762	655	e97	2,000	1,180	818	---	324	---	2,840
11	794	730	760	639	e100	14,300	1,370	698	---	e294	---	1,780
12	621	725	765	623	97	7,230	2,200	609	---	e467	---	1,320
13	499	723	2,840	617	98	3,990	2,160	546	---	521	---	1,040
14	404	717	2,360	601	95	2,640	2,110	513	---	318	---	853
15	766	711	1,610	580	e108	2,040	1,710	507	---	312	---	764
16	2,200	706	1,240	564	109	1,860	1,320	562	---	307	---	711
17	1,640	733	1,000	553	108	e2,130	5,000	1,480	---	302	---	657
18	1,150	1,360	883	511	111	3,000	3,310	2,450	---	116	11	637
19	866	1,330	785	479	128	3,790	2,250	7,010	---	---	---	632
20	694	1,090	769	480	132	2,600	2,150	5,050	---	---	299	623
21	1,030	895	764	436	136	2,090	1,910	3,320	---	---	483	614
22	859	772	760	423	138	1,890	e1,610	2,340	---	---	482	608
23	746	714	758	398	141	e1,620	1,520	1,810	---	---	475	603
24	739	708	756	380	184	1,380	1,720	1,540	---	---	468	602
25	731	708	749	246	351	1,170	1,590	1,300	---	---	279	603
26	720	705	743	137	472	953	1,970	1,000	---	---	---	600
27	712	706	736	132	468	796	2,340	954	---	---	242	599
28	721	705	726	132	467	e672	2,980	821	---	---	36,800	1,040
29	725	702	719	132	---	591	3,390	664	352	---	9,590	5,980
30	723	699	713	138	---	e558	2,370	562	711	---	3,670	4,720
31	721	---	701	139	---	e557	---	496	---	---	2,410	---
<b>Total</b>	43,871	23,329	45,248	15,102	4,246	71,722	56,683	48,746	---	---	---	67,430
<b>Mean</b>	1,415	778	1,460	487	152	2,314	1,889	1,572	---	---	---	2,248
<b>Max</b>	5,470	1,360	7,670	696	472	14,300	5,000	7,010	---	---	---	14,200
<b>Min</b>	404	699	701	132	67	483	558	496	---	---	---	556

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