01351500 SCHOHARIE CREEK AT BURTONSVILLE, NY

Upper Hudson Basin
Schoharie Subbasin

LOCATION.--Lat 42°48′00″, long 74°15′48″ referenced to North American Datum of 1927, Schenectady County, NY, Hydrologic Unit 02020005, on right bank 0.4 mi south of Burtonsville, 2.7 mi north of Esperance, and about 15 mi upstream from mouth.

DRAINAGE AREA.--886 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1939 to current year.

REVISED RECORDS.--WDR NY-82-1: 1981(average discharge). WDR NY-90-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 507.98 ft above NGVD of 1929.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow regulated to some extent by Blenheim-Gilboa Pumped Storage Project about 37 mi upstream. Entire flow, runoff from 315 mi^2, 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. For days of reservoir outflow greater than 10 ft^3/s, see station 01350101. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft^3/s, Jan. 20, 1996, gage height, 12.88 ft; minimum discharge, 2.4 ft^3/s, Sept. 24, 25, 1964, gage height, 0.30 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of March 1936 and September 1938 reached stages of 10.5 and 10.2 ft, respectively, from information provided by local resident. However, flood of October 1903 is known to have reached a higher stage than the 1936 or 1938 flood.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,300 ft^3/s, Mar. 9, gage height, 4.89 ft; minimum discharge, 67 ft^3/s, Oct. 24, 25, Sept. 26, 27; minimum gage height, 0.86 ft, Oct. 24, 25.

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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	190	1,610	816	2,580	e235	1,460	1,500	196	765	2,080	8,790	540
2	192	1,710	1,230	e2,440	e229	999	1,280	191	658	4,040	6,650	326
3	168	2,050	877	2,320	e221	e651	1,150	195	537	3,900	4,310	243
4	153	1,720	690	2,010	e223	e589	2,210	183	415	2,570	2,620	193
5	137	2,280	772	1,880	e241	e619	2,510	177	394	1,860	1,920	162
6	137	2,230	622	1,680	e235	664	1,880	180	298	1,470	1,510	137
7	119	2,510	580	1,490	e300	1,380	1,850	230	192	1,200	1,180	126
8	109	2,640	523	1,730	e900	4,340	1,730	257	161	1,030	973	118
9	105	2,630	e440	e1,270	e1,280	10,100	1,510	223	157	863	744	112
10	105	1,930	823	e983	e2,340	9,230	1,340	234	246	696	749	100
11	101	1,400	1,480	e749	2,760	7,620	1,240	231	203	514	836	93
12	101	1,470	4,750	e812	e3,990	5,640	1,330	188	203	706	581	175
13	97	1,150	6,100	e738	e4,320	3,520	1,190	163	256	1,180	514	607
14	96	1,160	3,690	e584	3,660	2,740	986	150	605	549	351	588
15	93	1,050	4,380	e487	2,360	2,270	879	194	964	396	271	542
16	90	1,790	6,770	e431	1,770	2,030	690	229	644	310	242	488
17	105	2,170	4,280	e392	1,490	1,950	552	790	634	335	204	474
18	107	1,690	3,390	e360	1,290	1,810	459	538	2,020	859	160	462
19	99	1,370	2,560	e330	1,330	2,470	392	369	3,650	1,280	156	322
20	84	906	2,140	e325	1,230	2,140	322	283	2,810	866	210	131
21	74	705	e1,900	e333	1,170	1,870	376	226	7,340	484	194	106
22	72	546	e1,680	e349	1,110	1,470	499	192	7,430	457	418	90
23	70	428	e1,470	e364	1,060	1,270	452	189	4,200	436	502	79
24	69	384	1,510	e370	915	1,090	419	240	2,850	391	763	71
25	128	482	6,520	e358	e872	1,010	377	293	2,380	701	612	70
26	1,630	714	4,900	e336	892	884	302	311	2,190	1,170	411	68
27	917	605	4,450	e307	1,370	994	273	941	2,550	1,050	321	75
28	2,390	546	8,860	e271	3,240	975	251	1,040	2,510	818	233	151
29	2,920	490	8,690	e233	---	899	226	1,330	1,930	609	423	243
30	1,550	458	5,460	e235	---	1,220	209	1,600	1,560	4,900	867	195
31	1,170	---	3,810	e246	---	1,350	---	1,100	---	7,580	742	---
Total	13,378	40,824	96,163	26,993	41,033	75,254	28,384	12,663	50,752	45,300	38,457	7,087
Mean	432	1,361	3,102	871	1,465	2,428	946	408	1,692	1,461	1,241	236
Max	2,920	2,640	8,860	2,580	4,320	10,100	2,510	1,600	7,430	7,580	8,790	607
Min	69	384	440	233	221	589	209	150	157	310	156	68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	483	836	1,094	1,094	1,105	2,455	3,127	1,514	744	270	163	230
Max	5,181	3,414	4,753	5,089	4,069	6,627	8,446	4,045	4,171	2,312	1,291	2,419
(WY)	(1956)	(1978)	(1997)	(1996)	(1976)	(1979)	(1993)	(1984)	(2006)	(1996)	(2004)	(2004)
Min	4.07	22.4	58.8	71.3	108	525	356	140	48.8	19.4	8.26	4.90
(WY)	(1965)	(2002)	(1999)	(1981)	(1940)	(1981)	(1946)	(1941)	(1964)	(1959)	(1965)	(1964)

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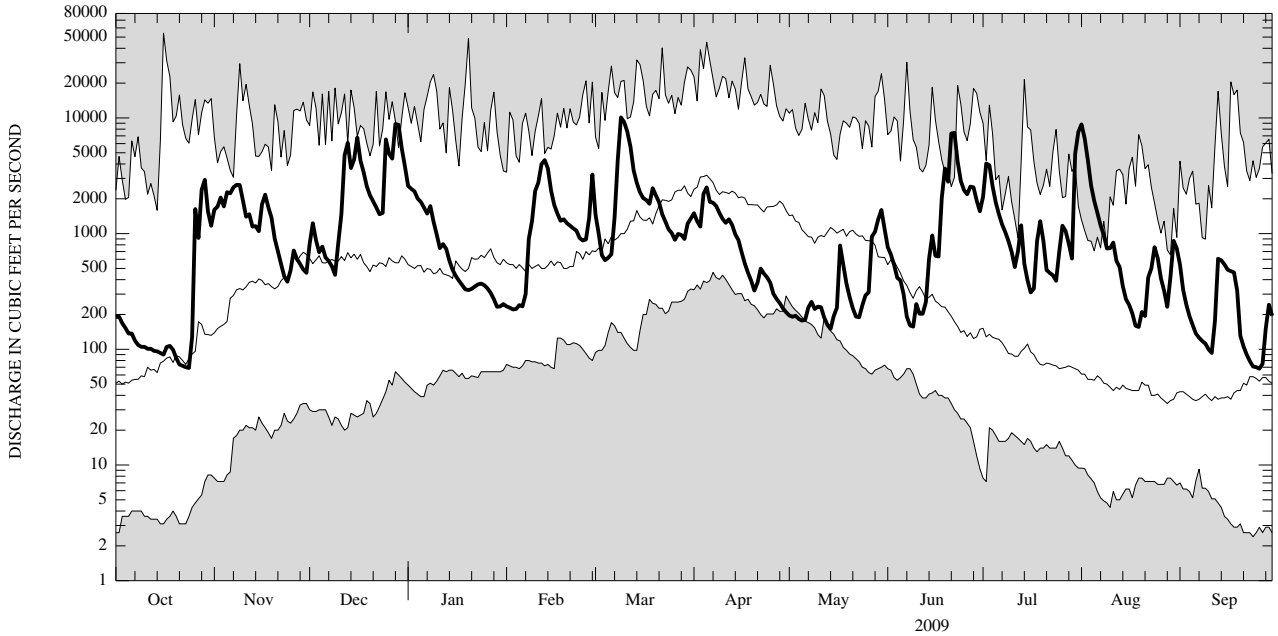
SUMMARY STATISTICS

	Calendar Year 2008		Water Year 2009		Water Years 1940 - 2009	
Annual total	625,005		476,288			
Annual mean	1,708		1,305		1,091	
Highest annual mean					2,014	1996
Lowest annual mean					320	1965
Highest daily mean	20,700	Mar 9	10,100	Mar 9	54,100	Oct 16, 1955
Lowest daily mean	49	Sep 5	68	Sep 26	2.4	Sep 24, 1964
Annual seven-day minimum	59	Aug 31	80	Sep 21	2.6	Sep 21, 1964
10 percent exceeds	4,700		2,880		2,770	
50 percent exceeds	720		706		363	
90 percent exceeds	98		151		33	



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.