01334500 HOOSIC RIVER NEAR EAGLE BRIDGE, NY

Upper Hudson Basin
Hudson-Hoosic Subbasin

LOCATION.--Lat 42°56′19″, long 73°22′39″ referenced to North American Datum of 1927, Rensselaer County, NY, Hydrologic Unit 02020003, on right bank 0.5 mi upstream from Case Brook, 1.2 mi downstream from Walloomsac River, and 1.2 mi southeast of Eagle Bridge.

DRAINAGE AREA.--510 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1910 to March 1922, July 1923 to current year.

REVISED RECORDS.--WSP 741: Drainage area. WSP 756: 1913(m). WSP 1302: 1922(M). WSP 1432: 1913 (minimum gage height). WSP 1502: 1911-12, 1914, 1920-21, 1928(M), l936(M).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 355.41 ft above NGVD of 1929. Prior to March 1922, nonrecording gage and July 24, 1923 to July 18, 1936, water-stage recorder, at site 0.2 mi upstream at different datums.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Diurnal fluctuation at medium and low flow caused by powerplants upstream from station. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,400 ft^3/s, Dec. 31, 1948, gage height, 21.15 ft, from floodmark in gage house, from rating curve extended above 30,000 ft^3/s on basis of peak flow over downstream dams and contracted-opening measurements at gage heights 17.8 ft and 21.15 ft; minimum discharge, 24 ft^3/s, Sept. 14, 1913.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 7,400 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 09	0815	*26,700	*15.61
Oct 25	2300	8,450	9.93
Nov 30	1300	13,600	11.94
Jan 18	2230	16,400	12.84

Minimum discharge, 126 ft^3/s, Oct 7, gage height, 2.09 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	285	1,530	4,900	1,920	1,890	e600	786	818	1,620	1,560	549	467
2	231	1,490	3,260	1,690	1,670	e600	928	781	1,970	1,450	510	418
3	204	1,310	2,530	1,660	2,130	e580	799	966	2,840	1,450	481	398
4	188	1,170	2,100	1,470	2,710	e580	2,530	1,020	2,850	1,150	900	434
5	176	1,060	1,860	1,420	3,600	e560	2,150	916	2,130	1,220	856	413
6	169	979	1,670	1,340	3,020	e540	1,580	805	1,760	996	601	416
7	165	1,170	1,490	1,210	2,290	e520	1,420	759	1,750	867	572	391
8	3,230	1,010	1,280	1,130	1,880	516	2,060	703	2,290	777	600	359
9	19,100	957	1,290	1,110	1,660	539	1,620	670	1,930	716	496	349
10	4,110	2,400	1,280	1,130	1,460	630	1,390	645	3,100	662	442	452
11	2,250	1,600	1,210	1,130	1,360	806	1,250	629	2,450	859	423	373
12	1,940	1,260	1,150	2,390	1,280	767	1,150	847	1,900	1,040	385	330
13	2,120	1,120	1,010	1,970	1,160	1,020	1,090	1,900	1,600	2,000	358	314
14	2,340	1,030	769	3,810	e1,140	4,070	1,030	1,540	1,390	1,350	339	314
15	4,030	1,130	836	4,770	1,130	2,300	1,060	1,560	1,280	1,000	378	1,280
16	3,300	1,400	e840	2,590	1,120	1,510	1,010	1,390	1,130	888	370	956
17	2,470	3,830	e820	2,200	1,310	1,270	921	1,740	1,030	759	330	699
18	1,890	2,240	e770	6,860	1,210	1,090	886	1,500	986	671	302	593
19	1,640	1,730	e680	8,700	821	1,020	813	2,560	938	606	290	530
20	1,350	1,490	e640	3,860	e860	936	753	2,860	1,130	551	1,570	624
21	1,180	1,350	e600	3,090	e860	850	710	2,270	944	518	1,160	535
22	1,100	2,260	e570	2,640	e820	868	701	2,370	799	864	729	478
23	4,660	2,670	e560	2,260	e780	810	1,360	1,880	763	1,560	563	485
24	3,060	1,780	e570	2,030	e760	803	1,970	1,600	884	926	488	657
25	5,080	1,500	e660	1,860	680	801	1,450	1,400	870	731	458	687
26	6,110	1,310	2,120	1,710	e640	779	1,250	1,260	1,670	650	441	589
27	3,670	1,240	1,830	1,440	631	749	1,120	1,310	1,700	569	434	502
28	2,640	1,390	1,380	1,440	e620	726	1,000	1,120	2,050	642	643	457
29	2,140	2,100	1,620	1,460	---	723	924	987	2,700	933	575	864
30	1,820	9,090	4,140	2,060	---	723	890	1,210	2,390	766	653	1,070
31	1,680	---	2,340	2,130	---	724	---	2,790	---	630	552	---
Total	84,328	54,596	46,775	74,480	39,492	29,010	36,601	42,806	50,844	29,361	17,448	16,434
Mean	2,720	1,820	1,509	2,403	1,410	936	1,220	1,381	1,695	947	563	548
Max	19,100	9,090	4,900	8,700	3,600	4,070	2,530	2,860	3,100	2,000	1,570	1,280
Min	165	957	560	1,110	620	516	701	629	763	518	290	314
Cfsm	5.33	3.57	2.96	4.71	2.77	1.83	2.39	2.71	3.32	1.86	1.10	1.07
In.	6.15	3.98	3.41	5.43	2.88	2.12	2.67	3.12	3.71	2.14	1.27	1.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	560	905	1,009	973	927	1,671	2,300	1,282	723	445	363	400
Max	2,720	3,394	2,638	3,002	2,546	4,595	4,247	3,094	2,362	1,349	1,893	2,668
(WY)	(2006)	(1928)	(2004)	(1979)	(1984)	(1936)	(1993)	(1984)	(1972)	(1915)	(1976)	(1938)
Min	83.7	111	149	135	233	406	875	358	195	142	113	95.7
(WY)	(1965)	(1965)	(1915)	(1931)	(1931)	(1965)	(1946)	(1987)	(1964)	(1962)	(1913)	(1964)

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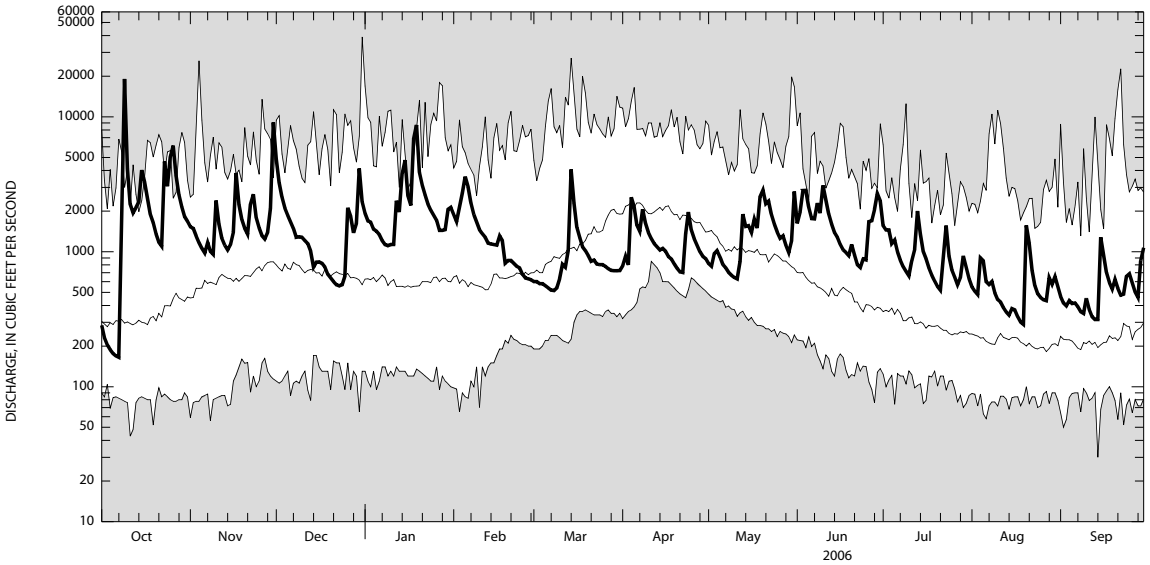
SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1910 - 2006	
Annual total	444,961		522,175			
Annual mean	1,219		1,431		963	
Highest annual mean					1,611	1976
Lowest annual mean					378	1965
Highest daily mean	19,100	Oct 9	19,100	Oct 9	39,000	Dec 31, 1948
Lowest daily mean	124	Sep 14	165	Oct 7	30	Sep 14, 1913
Annual seven-day minimum	135	Sep 8	203	Oct 1	77	Oct 7, 1964
Annual runoff (cfsm)	2.39		2.81		1.89	
Annual runoff (inches)	32.46		38.09		25.65	
10 percent exceeds	2,460		2,540		2,140	
50 percent exceeds	817		1,120		582	
90 percent exceeds	188		480		177	



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.