01334500 HOOSIC RIVER NEAR EAGLE BRIDGE, NY

Upper Hudson Basin
Hudson-Hoosic Subbasin

LOCATION.--Lat 42°56′19″, long 73°22′37″ referenced to North American Datum of 1983, 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), I936(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.--No estimated daily discharges. Records fair. 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 flow over downstream dams and contracted-opening measurements of peak flow; 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)
Dec 8	0545	*8,280	*9.84
No other peak greater than base discharge			

Minimum discharge, 129 ft^3/s, Sept. 4, gage height, 2.13 ft.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 01334500, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/01334500.2012.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2,620	1,220	1,400	1,510	1,560	575	688	990	666	249	178	147
2	2,560	1,290	1,150	1,620	1,740	557	746	1,110	735	253	175	139
3	2,260	1,340	1,050	1,380	1,430	672	706	1,090	971	252	168	133
4	1,980	1,390	977	975	1,310	811	655	1,120	878	267	153	131
5	1,740	1,280	1,020	1,110	1,170	658	626	1,000	763	265	199	161
6	1,460	1,160	1,170	1,080	1,110	534	597	874	693	241	420	187
7	1,290	1,080	1,910	1,040	1,080	582	568	799	719	231	266	157
8	1,170	1,040	6,360	991	961	769	545	2,820	604	222	192	153
9	1,070	1,010	3,120	906	934	1,730	534	4,190	556	181	167	369
10	989	944	2,360	853	858	1,230	535	2,830	520	166	169	251
11	917	904	1,940	820	853	997	524	2,220	468	166	347	190
12	853	849	1,700	817	696	987	499	1,710	439	162	834	168
13	868	799	1,540	863	675	1,250	476	1,440	1,220	159	356	156
14	1,040	762	1,440	844	710	1,670	456	1,340	910	156	255	148
15	1,720	792	1,780	597	709	1,510	450	2,890	623	163	231	143
16	1,310	763	2,660	606	698	1,490	511	2,970	507	211	227	140
17	1,200	859	1,990	799	773	1,560	468	2,400	446	183	206	135
18	1,050	795	1,610	1,080	749	1,510	416	1,810	410	177	220	165
19	949	730	1,370	839	688	1,460	395	1,510	387	168	204	1,120
20	986	684	1,380	749	647	1,350	391	1,270	373	155	182	521
21	966	652	1,560	646	585	1,210	390	1,100	348	151	175	316
22	862	620	2,470	619	613	1,100	607	1,130	316	147	170	255
23	802	2,260	2,790	713	649	1,050	1,650	1,240	302	145	158	387
24	758	1,750	2,200	1,190	662	945	1,240	1,040	292	226	150	325
25	828	1,300	1,750	1,110	702	933	937	914	303	295	144	254
26	790	1,250	1,640	900	582	902	813	819	426	201	142	229
27	1,160	1,200	1,520	3,470	552	790	828	720	396	214	138	232
28	1,460	1,150	2,950	3,250	579	757	770	641	332	222	195	275
29	1,210	1,070	1,960	2,090	548	835	697	631	292	264	244	605
30	1,230	1,710	1,630	1,710	---	784	639	975	266	253	183	446
31	1,200	---	1,580	1,510	---	714	---	863	---	204	158	---
Total	39,298	32,653	59,977	36,687	24,823	31,922	19,357	46,456	16,161	6,349	7,006	8,038
Mean	1,268	1,088	1,935	1,183	856	1,030	645	1,499	539	205	226	268
Max	2,620	2,260	6,360	3,470	1,740	1,730	1,650	4,190	1,220	295	834	1,120
Min	758	620	977	597	548	534	390	631	266	145	138	131
Cfsm	2.49	2.13	3.79	2.32	1.68	2.02	1.27	2.94	1.06	0.40	0.44	0.53
In.	2.87	2.38	4.37	2.68	1.81	2.33	1.41	3.39	1.18	0.46	0.51	0.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	590	920	1,038	985	932	1,705	2,272	1,267	720	457	389	420
Max	2,720	3,394	2,638	3,002	2,546	4,595	4,247	3,094	2,362	1,533	1,893	2,731
(WY)	(2006)	(1928)	(2004)	(1979)	(1984)	(1936)	(1993)	(1984)	(1972)	(2009)	(1976)	(2011)
Min	83.7	111	149	135	233	406	645	358	195	142	113	95.7
(WY)	(1965)	(1965)	(1915)	(1931)	(1931)	(1965)	(2012)	(1987)	(1964)	(1962)	(1913)	(1964)

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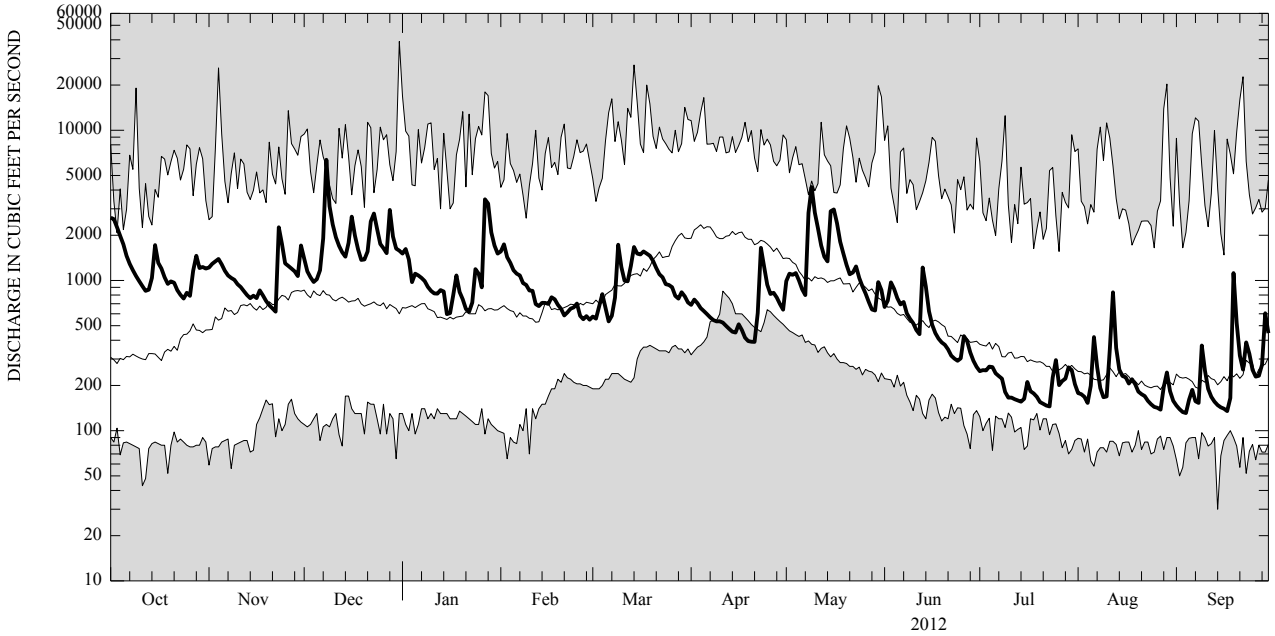
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1910 - 2012	
Annual total	563,049		328,727			
Annual mean	1,543		898		974	
Highest annual mean					1,611	1976
Lowest annual mean					378	1965
Highest daily mean	20,300	Aug 29	6,360	Dec 8	39,000	Dec 31, 1948
Lowest daily mean	221	Aug 14	131	Sep 4	30	Sep 14, 1913
Annual seven-day minimum	255	Aug 1	150	Aug 30	77	Oct 7, 1964
Annual runoff (cfsm)	3.02		1.76		1.91	
Annual runoff (inches)	41.07		23.98		25.96	
10 percent exceeds	2,670		1,710		2,150	
50 percent exceeds	1,090		772		600	
90 percent exceeds	418		174		180	



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.