01374505 EAST BRANCH CROTON RIVER AT BREWSTER, NY

Lower Hudson Basin
Lower Hudson Subbasin

LOCATION.--Lat 41°23′40″, long 73°36′27″ referenced to North American Datum of 1927, Putnam County, NY, Hydrologic Unit 02030101, on right bank 50 ft downstream from bridge on US Highway 6 at Brewster, 1.6 mi downstream from East Branch Reservoir Dam, and 0.9 mi upstream from bridge at Diverting Reservoir.

DRAINAGE AREA.--81.2 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1994 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 317.58 ft above NGVD of 1929 (NYS Department of Transportation benchmark).

REMARKS.--No estimated daily discharges. Records good. Flow regulated by East Branch Reservoir. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,810 ft^3/s, Mar. 8, 2011, gage height, 8.30 ft; minimum discharge, 10 ft^3/s, Sept. 26, 2002, gage height, 2.55 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,810 ft^3/s, Mar. 8, gage height, 8.30 ft; minimum discharge, 46 ft^3/s, Aug. 19, 24, 27, gage height, 3.04 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	76	53	75	62	61	104	173	73	59	111	52	629
2	51	53	62	64	62	146	172	74	57	97	50	448
3	50	53	59	64	62	164	171	73	56	91	50	346
4	51	59	58	63	62	176	171	70	55	86	50	274
5	51	56	58	63	62	184	172	68	55	79	50	225
6	51	55	58	63	63	531	215	67	55	76	52	318
7	51	54	58	63	63	2,910	344	67	55	76	64	497
8	51	55	58	63	65	3,350	343	66	54	76	52	1,390
9	51	55	58	63	64	1,890	341	67	58	75	58	1,460
10	51	55	58	62	63	1,040	338	67	55	74	54	1,200
11	51	55	59	62	62	1,410	336	67	56	74	52	824
12	51	55	71	63	62	1,570	432	67	58	76	52	595
13	51	55	70	62	62	1,150	479	67	61	67	52	453
14	53	55	64	62	64	769	471	67	58	57	72	360
15	54	55	63	62	64	572	467	75	58	56	73	299
16	52	55	62	62	63	509	478	71	60	56	59	249
17	52	60	62	62	65	454	500	79	65	56	56	213
18	52	56	63	63	68	416	477	112	74	56	55	188
19	52	56	63	63	68	365	477	356	74	52	55	167
20	52	55	63	63	66	314	476	519	74	50	48	156
21	52	55	62	63	65	294	474	560	74	50	50	148
22	52	55	62	62	65	278	472	487	99	50	48	149
23	52	56	62	62	64	262	477	397	130	50	47	172
24	52	56	62	62	65	257	470	384	120	50	47	238
25	52	56	62	62	85	242	297	397	123	50	48	218
26	52	56	62	62	74	225	72	464	179	50	47	213
27	54	56	62	62	71	205	72	506	188	50	159	201
28	54	56	62	62	83	189	77	512	162	50	2,020	199
29	54	56	62	61	---	178	75	504	164	50	2,290	265
30	54	56	62	61	---	173	73	498	131	50	1,760	283
31	54	---	62	61	---	171	---	234	---	50	997	---
Total	1,636	1,663	1,924	1,934	1,843	20,498	9,592	7,115	2,567	1,991	8,619	12,377
Mean	52.8	55.4	62.1	62.4	65.8	661	320	230	85.6	64.2	278	413
Max	76	60	75	64	85	3,350	500	560	188	111	2,290	1,460
Min	50	53	58	61	61	104	72	66	54	50	47	148

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	116	126	188	179	189	294	228	130	110	86.1	105	97.2
Max	282	317	510	418	460	661	539	261	216	217	278	413
(WY)	(2005)	(2006)	(1997)	(2006)	(2009)	(2011)	(2007)	(1998)	(2003)	(2003)	(2011)	(2011)
Min	20.8	45.8	52.0	53.5	49.5	59.5	69.7	53.1	51.5	48.2	43.8	44.6
(WY)	(2003)	(2003)	(2008)	(2001)	(2002)	(2002)	(2006)	(2009)	(2004)	(2004)	(2010)	(2010)

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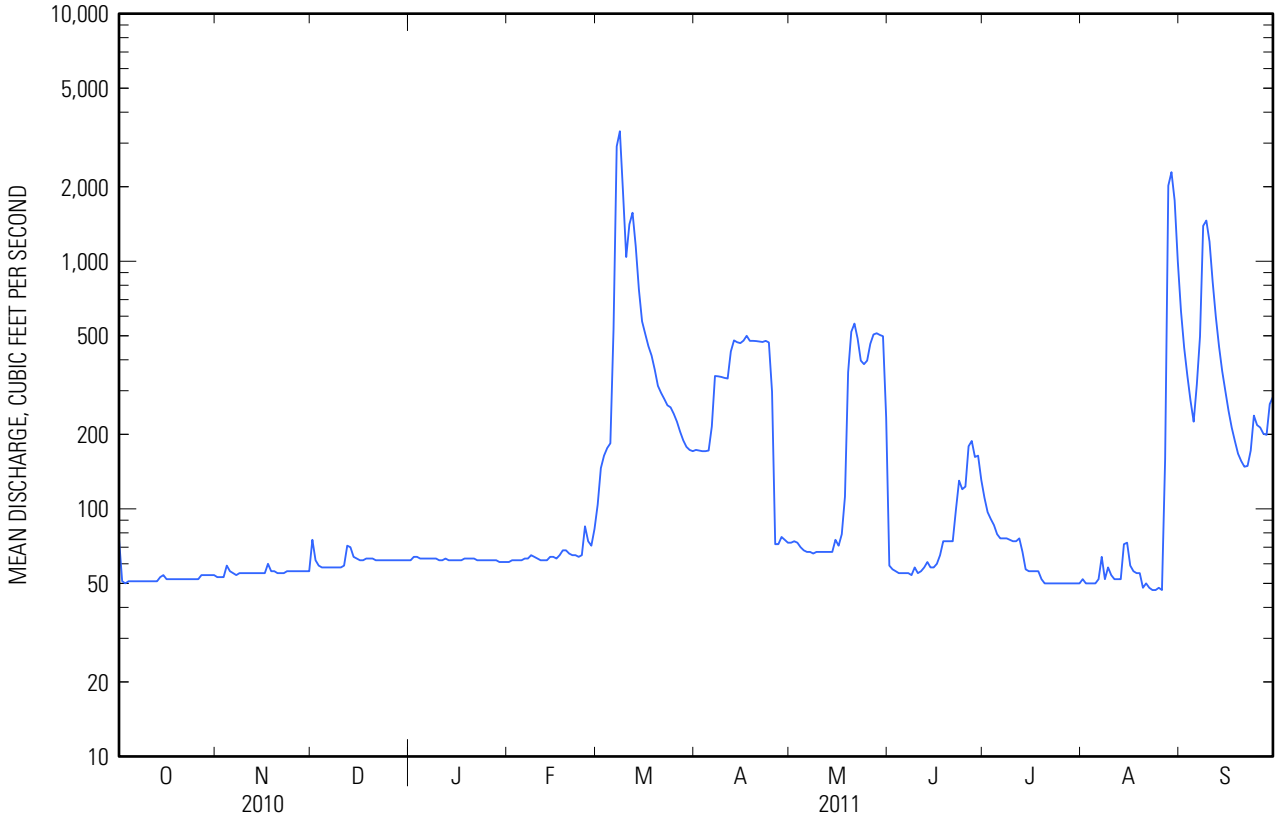
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1994 - 2011	
Annual total	55,880		71,759			
Annual mean	153		197		153	
Highest annual mean					198	1997
Lowest annual mean					89.3	2002
Highest daily mean	1,460	Mar 31	3,350	Mar 8	3,350	Mar 8, 2011
Lowest daily mean	42	Aug 11	47	Aug 23	11	Sep 25, 2002
Annual seven-day minimum	42	Aug 8	48	Aug 20	13	Sep 23, 2002
10 percent exceeds	486		475		310	
50 percent exceeds	58		63		90	
90 percent exceeds	44		52		51