01362497 LITTLE BEAVER KILL AT BEECHFORD NEAR MOUNT TREMPER, NY

Upper Hudson Basin
Middle Hudson Subbasin

LOCATION.--Lat 42°01′10″, long 74°16′00″ referenced to North American Datum of 1927, Ulster County, NY, Hydrologic Unit 02020006, on right bank 950 ft upstream from State Highway 28 at Beechford, 0.3 mi above mouth, and 1.8 mi southeast of Mount Tremper.

DRAINAGE AREA.--16.5 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1997 to current year.

REVISED RECORDS.--WDR NY-99-1: 1998. WDR NY-01-1: 1998-2000.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 660 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,820 ft^3/s, June 26, 2006, gage height, 8.71 ft; minimum discharge, 0.11 ft^3/s, Sept. 8, 9, 2002; minimum gage height, 1.41 ft, Aug. 12, 13, 1999.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 1	0400	1,690	7.17
Dec 1	1500	1,690	7.17
Mar 7	0030	1,450	6.79
Mar 11	0745	2,060	7.72
Apr 17	0100	789	5.61
Apr 28	1100	624	5.27
May 19	0430	633	5.29
Aug 15	0730	1,480	6.83
Aug 28	1100	*2,530	*8.35
Sep 7	0645	1,260	6.46
Sep 28	1115	1,440	6.77

Minimum discharge, 2.4 ft^3/s, July 31, Aug. 1, gage height, 1.95 ft.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 01362497, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/01362497.2011.pdf

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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	862	20	785	16	e11	e81	27	90	25	49	2.8	53
2	209	18	354	22	e12	75	23	68	22	36	7.8	41
3	84	16	144	20	e11	e57	19	57	18	129	3.8	34
4	55	35	91	17	e11	e52	21	82	15	104	3.7	28
5	65	52	67	16	e14	47	32	68	13	62	3.2	53
6	53	36	55	e16	e28	499	30	54	12	44	4.0	199
7	45	33	45	e16	e19	723	26	47	11	33	7.8	832
8	34	36	36	e15	e17	198	25	41	9.2	28	4.5	662
9	25	36	31	e14	e15	116	23	35	9.4	24	9.0	277
10	20	30	e28	e13	e15	251	22	28	8.6	19	19	135
11	17	26	26	e13	e13	1,280	22	23	12	16	7.3	81
12	15	23	115	e13	e14	364	21	19	17	13	5.1	58
13	13	21	204	e12	e13	202	45	17	16	11	4.3	44
14	12	22	115	e11	e20	140	39	16	13	9.4	4.3	35
15	32	22	75	e11	e21	108	e32	24	11	8.0	476	32
16	32	21	58	e11	e17	117	e106	131	9.4	6.7	245	26
17	24	146	47	e11	e19	121	476	214	11	5.6	108	21
18	21	75	40	e19	e47	127	192	335	9.7	5.2	80	18
19	18	57	34	e26	e57	112	128	486	7.9	4.9	89	15
20	17	47	31	e21	e48	86	120	274	6.9	4.4	65	14
21	16	43	27	e18	e44	76	82	151	6.2	3.9	60	13
22	14	37	25	e16	e40	75	64	102	12	3.4	59	21
23	13	32	23	e15	e37	67	106	81	40	3.0	39	33
24	12	27	20	e14	e35	58	93	79	90	3.0	29	94
25	12	24	e18	e14	e55	50	84	58	197	6.6	27	54
26	13	35	17	e13	e46	43	89	44	110	7.4	27	43
27	43	29	e17	e13	e42	38	102	47	68	6.2	45	37
28	28	24	e17	e13	e66	34	316	34	69	4.4	1,290	675
29	23	23	e17	e12	---	31	214	29	147	4.1	384	671
30	21	27	15	e12	---	29	129	41	71	3.5	153	314
31	20	---	14	e11	---	28	---	30	---	2.8	80	---
Total	1,868	1,073	2,591	464	787	5,285	2,708	2,805	1,067.3	660.5	3,342.6	4,613
Mean	60.3	35.8	83.6	15.0	28.1	170	90.3	90.5	35.6	21.3	108	154
Max	862	146	785	26	66	1,280	476	486	197	129	1,290	832
Min	12	16	14	11	11	28	19	16	6.2	2.8	2.8	13
Cfsm	3.65	2.17	5.07	0.91	1.70	10.3	5.47	5.48	2.16	1.29	6.53	9.32
In.	4.21	2.42	5.84	1.05	1.77	11.92	6.11	6.32	2.41	1.49	7.54	10.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	43.8	44.5	58.9	49.1	38.8	82.8	60.0	37.6	44.9	17.0	20.6	33.5
Max	136	91.6	117	113	129	170	120	90.5	146	55.1	108	154
(WY)	(2006)	(2007)	(2004)	(1999)	(2008)	(2011)	(2007)	(2011)	(2006)	(2009)	(2011)	(2011)
Min	1.39	1.98	8.15	7.28	8.38	8.66	17.9	10.0	4.09	2.27	0.90	1.53
(WY)	(2002)	(2002)	(1999)	(2002)	(2004)	(2006)	(1999)	(2007)	(2010)	(2002)	(2002)	(1998)

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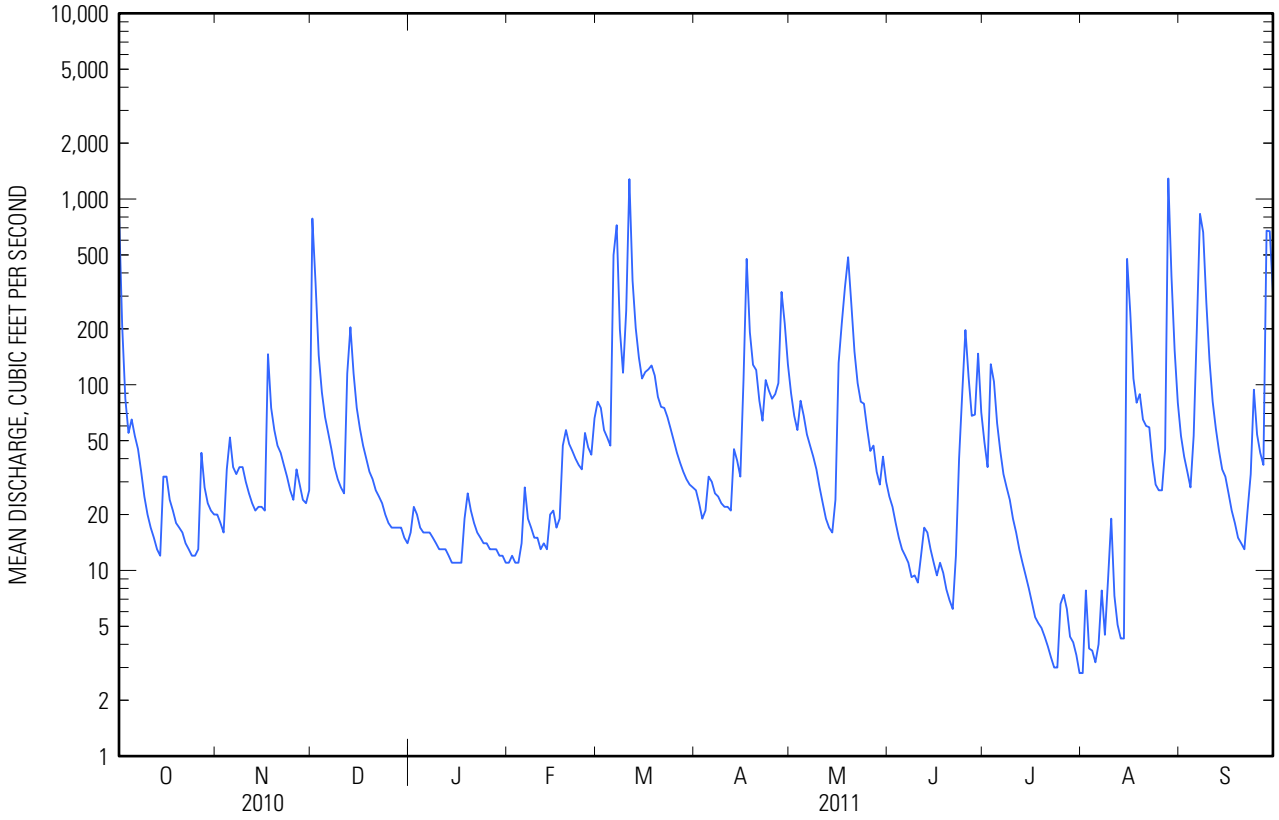
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1998 - 2011	
Annual total	15,579.31		27,264.4			
Annual mean	42.7		74.7		44.3	
Highest annual mean					74.7	2011
Lowest annual mean					14.9	2002
Highest daily mean	862	Oct 1	1,290	Aug 28	1,330	Apr 16, 2007
Lowest daily mean	0.66	Jul 9	2.8	Jul 31	0.15	Sep 10, 2002
Annual seven-day minimum	0.93	Aug 8	3.9	Jul 30	0.18	Sep 7, 2002
Annual runoff (cfsm)	2.59		4.53		2.69	
Annual runoff (inches)	35.12		61.47		36.49	
10 percent exceeds	91		145		93	
50 percent exceeds	17		29		21	
90 percent exceeds	1.4		9.4		2.4