

Historical flood peaks and peaks during the flood of Oct 1, 2010 at selected U.S. Geological Survey streamgages in New York.

Summary prepared in cooperation with New York State Dept. of Transportation

Prepared By: T.P. Suro Oct. 14, 2010

[mi², square miles; ft, feet; ft³/s, cubic feet per second; ft³/s/mi², cubic feet per second per square mile.]

[All data is provisional and subject to revision]

[Statistical analyses of annual peaks computed using Log Pearson Type III analysis with data thru 2006 Water Year unless footnoted to include peaks through Oct. 2010]

USGS station number	Station name	Drainage area (mi ²)	Period of record	Previous maximum discharge of record			Flood of October 1, 2010					*Recurrence interval (years)
				Date of peak	Peak stage (ft)	Peak discharge (ft ³ /s)	Date of peak	Time of peak (hr)	Peak stage (ft)	Peak discharge (ft ³ /s)	Peak discharge (ft ³ /s/mi ²)	
HUDSON RIVER BASIN												
01318500	HUDSON RIVER AT HADLEY NY	1,664.00	1921-2010	01/01/49	21	42,700	10/01/2010	0230	10.35	17,000	10.2	< 2
01321000	SACANDAGA RIVER NEAR HOPE NY	491.00	1911-2010	03/27/13	a11.0	32,000	10/01/2010	1045	7.37	13,200	26.9	2
01327750	HUDSON RIVER AT FORT EDWARD NY	2,817.00	1976-2010	05/03/83	28.34	35,200	10/01/2010	0015	24.87	18,800	6.7	< 2
01336000	MOHAWK RIVER BELOW DELTA DAM NEAR ROME NY	152.00	1927-2010	10/02/45	11.18	8,560	10/01/2010	1630	6.02	2,620	17.2	2
01346000	WEST CANADA CREEK AT KAST BRIDGE NY	560.00	1920-2010	06/29/06	8.29	21,800	10/01/2010	0730	6.18	11,300	20.2	3
01347000	MOHAWK RIVER NEAR LITTLE FALLS NY	1,342.00	1927-2010	06/28/06	19.72	35,000	10/01/2010	1030	15.57	21,700	16.2	4
01349150	CANAJOHARIE CREEK NR CANAJOHARIE NY	59.70	1993-2010	11/09/96	8.88	3,630	10/01/2010	1015	7.80	2,600	43.6	4
01349700	EAST KILL NEAR JEWETT CENTER NY	35.60	1965-74,1987, 1996-2010	01/19/96	17.00	13,500	10/01/2010	545	14.31	9,320	261.8	# 10
01350000	SCHOHARIE CREEK AT PRATTSVILLE NY	237.00	1902-2010	01/19/96	19.39	52,800	10/01/2010	0645	17.38	41,400	174.7	# 20
01350101	SCHOHARIE CREEK AT GILBOA NY	316.00	1975-2010	01/19/96	30.60	70,800	10/01/2010	1845	17.35	10,700	33.9	< 2
01350140	MINE KILL NEAR NORTH BLENHEIM NY	16.20	1969-74, 1974-2010	01/19/96	5.20	2,550	10/01/2010	0615	5.84	2,060	127.2	# 10
01350355	SCHOHARIE CREEK AT BREAKABEEN NY	444.00	1975-2010	01/19/96	20.51	80,200	10/01/2010	2030	8.64	10,200	23.0	< 2
01351500	SCHOHARIE CREEK AT BURTONSVILLE NY	886.00	1939-2010	01/20/96	12.88	81,600	10/01/2010	1500	5.99	20,600	23.3	< 2
01357500	MOHAWK RIVER AT COHOES NY	3,450.00	1917-2010	03/06/64	23.15	143,000	10/01/2010	0000	18.15	57,000	16.5	< 2
01358000	HUDSON RIVER AT GREEN ISLAND NY	8,090.00	1946-2010	03/19/36	29.48	215,000	10/02/2010	0230	--	86,400	10.7	< 2
01361500	CATSKILL CREEK AT OAK HILL NY	98.00	1911-28,1980,1987-2010	04/04/1987	16.6	15,400	10/01/2010	--	12.20	8,600	87.8	10
01362197	BUSHNELLSVILLE CREEK AT SHANDAKEN NY	11.40	1951,56,1972-87,1994-2010	04/02/2005	12.52	2,700	10/01/2010	--	7.72	628	55.1	5
01362200	ESOPUS CREEK AT ALLABEN NY	63.70	1963-2010	04/02/2005	14.44	21,700	10/01/2010	0515	12.20	10,100	158.6	# 10
0136230002	WOODLAND CREEK ABOVE MOUTH AT PHOENICIA NY	20.60	2003-2010	04/02/2005	10.65	8,600	10/01/2010	0430	9.93	7,080	343.7	--
01362342	HOLLOW TREE BROOK AT LANESVILLE NY	1.95	1997-2010	04/02/2005	4.12	360	10/01/2010	0330	4.56	396	203.1	--
01362370	STONY CLOVE CREEK BLW OX CLOVE AT CHICHESTER NY	30.90	1997-2010	04/02/2005	10.33	13,000	10/01/2010	0600	8.26	9,220	298.4	--
01362497	LITTLE BEAVER KILL AT BEECHFORD NR MT TREMPER NY	16.50	1997-2010	12/17/00	8.36	2,190	10/01/2010	0400	7.17	1,690	102.4	--
01362500	ESOPUS CREEK AT COLDBROOK NY	192.00	1914-25,31-2010	03/21/80	21.94	65,300	10/01/2010	0600	18.86	45,300	235.9	20
01364959	RONDOUT CREEK ABOVE RED BROOK NEAR PEEKAMOOSSE NY	5.36	1996-2010	07/23/2004	4.91	1,340	10/01/2010	0320	4.95	1,380	257.5	# 15
01364500	ESOPUS CREEK AT MOUNT MARION NY	419.00	b1971-2010	04/03/05	26.46	30,500	10/01/2010	0945	20.25	8,010	19.1	< 2
01365000	RONDOUT CREEK NEAR LOWES CORNERS NY	38.30	1937-2010	07/22/1938	--	7,600	10/01/2010	0415	8.63	5,720	149.3	# 10
01367500	RONDOUT CREEK AT ROSENDALE NY	383.00	b1951-2010	04/03/05	24.96	30,500	10/01/2010	1245	18.48	14,000	36.6	# 3
DELAWARE RIVER BASIN												
01413408	DRY BROOK AT ARKVILLE NY	82.20	1996-2010	4/2/2005	13.86	11,100	10/01/2010	0615	11.42	7,960	96.8	--
01413500	EAST BR DELAWARE R AT MARGARETVILLE NY	163.00	1937-2010	01/19/96	14.88	25,800	10/01/2010	0730	12.03	11,500	70.6	7
01414000	PLATTE KILL AT DUNRAVEN NY	34.90	1941-62, 1996-2010	01/19/96	9.60	5,690	10/01/2010	0545	6.69	2,090	59.9	4
01414500	MILL BROOK NEAR DUNRAVEN NY	25.20	1937-2010	01/19/96	12.56	5,380	10/01/2010	0545	7.13	2,370	94.0	5
01415000	TREMPER KILL NEAR ANDES, NY	33.20	1937-2010	01/19/96	7.69	5,000	10/01/2010	0545	8.51	6,600	198.8	# >100
01417000	EAST BRANCH DELAWARE RIVER AT DOWNSVILLE NY	372.00	b1955-2010	09/18/04	12.09	18,000	10/01/2010	1200	2.87	69	0.2	< 2
01417500	EAST BR DELAWARE RIVER AT HARVARD NY	458.00	b1955-2010	06/28/06	16.61	22,100	10/01/2010	0800	8.64	5,420	11.8	3
01420500	BEAVER KILL AT COOKS FALLS NY	241.00	1913-2010	06/28/06	20.55	62,400	10/01/2010	0800	15.69	30,700	127.4	20
01421000	EAST BR DELAWARE R AT FISHS EDDY NY	784.00	b1955-2010	06/28/06	d21.43	77,400	10/01/2010	0945	16.21	45,400	57.9	15

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01421900	W BR DELAWARE RIVER UPSTREAM FROM DELHI NY	134.00	1937-70,96-2010	06/28/06	a 9.80	c 13000	10/01/2010	1145	12.41	8,710	65.0	25
01422500	LITTLE DELAWARE RIVER NEAR DELHI NY	49.80	1937-70,1997-2010	01/19/96	8.51	6,100	10/01/2010	0115	7.03	3,190	64.1	7
01423000	WEST BRANCH DELAWARE RIVER AT WALTON NY	332.00	1950-2010	06/28/06	16.85	28,600	10/01/2010	1645	14.75	19,700	59.3	15
0142400103	TROUT CREEK NEAR TROUT CREEK NY	20.20	1952-1967, 1996-2010	06/27/2006	6.99	4,350	10/01/2010	0530	5.93	2,090	103.5	9
01425000	WEST BR. DELAWARE RIVER AT STILESVILLE NY	456.00	b1964-2010	06/28/06	17.72	33,100	10/01/2010	0430	7.45	213	0.5	< 2
01426500	WEST BRANCH DELAWARE RIVER AT HALE EDDY NY	595.00	b1964-2010	06/28/06	19.10	43,400	10/01/2010	0730	8.15	6,680	11.2	< 2
01427510	DELAWARE RIVER AT CALLICOON NY	1,820.00	1975-2010	06/28/06	20.38	144,000	10/01/2010	1415	13.10	63,800	35.1	** 5
01428500	DELAWARE R ABOVE LACKAWAXEN R NR BARRYVILLE NY	2,020.00	1940-2010	06/28/06	28.97	151,000	10/01/2010	1745	17.18	64,300	31.8	** 5
01434000	DELAWARE RIVER AT PORT JERVIS NY	3,070.00	1904-2010	08/19/55	23.91	233,000	10/01/2010	1915	13.53	77,500	25.2	** 4
0143400680	EAST BRANCH NEVERSINK RIVER NORTHEAST OF DENNING NY	8.93	1990-2010	09/16/1999	6.96	3,070	10/01/2010	0330	6.96	3,070	343.8	# 15
01434017	E BR NEVERSINK RIVER NEAR CLARYVILLE NY	22.90	1991-2010	4/2/2005	12.33	4,590	10/01/2010	0500	12.50	5,400	235.8	# 50
01434020	W BR NEVERSINK RIVER AT WINNISOOK LK NEAR FROST VALLEY NY	0.77	1991-2010	4/2/2005	3.37	218	10/01/2010	0310	3.86	262	340.3	# 25
01434498	W BR NEVERSINK RIVER AT CLARYVILLE NY	33.80	1991-2010	4/2/2005	12.73	9,570	10/01/2010	0430	13.06	6,780	200.6	# 7
01435000	NEVERSINK RIVER NEAR CLARYVILLE NY	66.60	1937-2010	11/25/50	15.00	23,400	10/01/2010	0500	13.79	21,000	315.3	# 60
01436000	NEVERSINK RIVER AT NEVERSINK NY	92.60	b1954-2010	04/03/05	12.99	12,300	10/01/2010	230	3.38	82	0.9	< 2
01436690	NEVERSINK RIVER AT BRIDGEVILLE NY	171.00	1992-2010	04/03/05	21.24	25,900	10/01/2010	830	11.66	5,950	34.8	3
01437500	NEVERSINK RIVER AT GODEFFROY NY	307.00	b1954-2010	08/19/55	12.49	33,000	10/01/2010	1045	8.20	6470	21.1	3
SUSQUEHANNA RIVER BASIN												
01500500	SUSQUEHANNA RIVER AT UNADILLA NY	982.00	1935-1995, 1996-2010	06/29/2006	17.72	35,100	10/02/2010	530	11.07	13300	13.5	2
01503000	SUSQUEHANNA RIVER AT CONKLIN NY	2,232.00	1912-2010	06/28/2006	25.02	76,800	10/02/2010	2330	10.70	18900	8.5	< 2
01509000	TIOUGHNIOGA RIVER AT CORTLAND NY	292.00	1938-2010	04/03/2005	14.07	14,200	10/01/2010	1430	11.31	8230	28.2	5
01510000	OTSELIC RIVER AT CINCINNATUS NY	147.00	1938-1964, 1969-2010	04/03/2005	10.55	12200	10/02/2010	1215	7.99	5140	35.0	3

* Sites in pink indicate significant regulation. Recurrence intervals at these sites were calculated from statistical analyses of annual peak discharges during the regulated period. No adjustments were made for the amount of available storage in the reservoirs before or during floods, nor for changes in regulation procedures during the period of regulation. Other studies, such as flood-insurance studies, and other procedures, can be investigated for alternate methods of determining discharge recurrence intervals at these sites.

** Statistical Analysis from USGS Open-File Report 2008-1203

Statistical analysis of annual peaks computed using Log Pearson Type III analysis with provisionl data through October 2, 2010.

a At former site
 b Since current degree of regulation
 e Estimate