Water-Data Report 2011

01357500 MOHAWK RIVER AT COHOES, NY

Upper Hudson Basin
Mohawk Subbasin

LOCATION.--Lat 42°47′07″, long 73°42′29″ referenced to North American Datum of 1927, Albany County, NY, Hydrologic Unit 02020004, on right bank at School Street powerplant in Cohoes, and 2.0 mi upstream from mouth. Water-quality sampling site at bridge on State Highway 32, 0.75 mi below gage.

DRAINAGE AREA.--3,450 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--December 1917 to current year. Prior to July 17, 1925, published as "at Crescent Dam".

REVISED RECORDS.--WSP 1302: 1919-23 (M). WDR NY-90-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 49.13 ft above NGVD of 1929. Dec. 1, 1917, to July 16, 1925, water-stage recorder at site 1.7 mi upstream at Crescent Dam at datum 130.87 ft higher. July 17 to Oct. 19, 1925, powerplant gage at present site.

COOPERATION.--Diversions through Barge Canal at Lock 6 (see 01357499) provided by New York State Department of Transportation.

REMARKS.--No estimated daily discharges. Records fair except those below 1,000 ft^3/s, which are poor. Flow published for this site may be affected by diversions for municipal water supplies upstream from station. Total flow of Mohawk River equals flow published at Cohoes which includes small diversion for Cohoes water supply, plus flow diverted at Crescent Dam to Barge Canal through Lock 6 (see 01357499 Mohawk River Diversion at Crescent Dam). Prior to 1926 records published as total flow. Satellite and telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 143,000 ft^3/s, Mar. 6, 1964, result of release from ice jam, gage height, 23.15 ft; minimum discharge (water years 1918-90), 6 ft^3/s, Sept. 18, 1941, gage height, 3.40 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--An extreme flood occurred sometime from 1860-65 with a depth of 12 ft on the Cohoes dam and a peak discharge estimated to be at least 200,000 ft^3/s (from New York State Museum Bulletin 85).

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 41,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 2	0000	57,000	18.15
Oct 7	1530	41,100	16.73
Mar 12	1300	56,700	18.13
Mar 19	0430	54,200	17.92
Apr 29	0815	57,600	18.20
Aug 29	1300	*117,000	a*21.86
Sep 8	1500	93,300	20.51

a Recorded; outside gage height was 22.34 ft, from crest-stage gage.

Minimum discharge not determined.

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 01357500, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/01357500.2011.pdf

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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	35,500	6,960	10,600	4,700	3,500	6,040	8,630	26,000	4,480	9,120	1,860	10,500
2	43,400	6,890	33,300	5,960	3,160	9,420	9,460	18,400	5,130	6,490	1,130	7,000
3	22,100	6,490	27,600	7,440	2,980	9,070	10,100	13,300	3,540	3,430	1,320	7,810
4	17,800	6,440	21,000	6,840	3,010	7,420	10,700	14,400	4,610	5,850	1,240	6,330
5	12,600	13,300	16,300	5,680	3,230	7,010	18,400	23,700	2,670	6,420	1,280	10,700
6	17,300	12,600	12,400	5,030	3,030	10,100	24,500	19,100	1,190	3,130	1,730	21,800
7	34,500	10,000	10,100	4,570	3,210	28,200	19,300	15,000	1,710	4,370	2,160	36,400
8	26,000	8,840	8,970	4,650	3,610	24,900	16,500	11,100	2,600	3,000	2,290	82,200
9	18,400	10,100	8,040	3,970	3,900	20,500	13,600	8,270	2,620	8,540	2,300	69,200
10	12,500	11,800	6,630	3,670	3,470	16,900	12,200	4,860	2,750	3,640	2,220	37,800
11	9,380	9,260	6,380	3,810	3,700	22,800	11,300	1,700	4,160	3,460	1,700	24,100
12	5,380	7,630	7,260	4,570	3,160	49,400	13,600	1,670	5,840	2,810	2,690	16,100
13	7,770	6,880	9,910	3,630	3,210	36,300	16,200	1,750	4,030	1,750	2,200	8,760
14	6,210	6,800	15,100	3,960	3,250	27,600	17,800	4,690	3,410	2,740	1,450	8,320
15	6,290	6,600	9,770	3,500	3,670	20,400	18,600	5,160	3,550	2,460	2,430	6,320
16	11,400	6,880	8,540	3,140	3,900	18,100	16,300	7,340	3,130	1,980	7,540	7,840
17	12,300	8,770	7,740	4,190	4,520	21,100	15,500	12,800	2,670	1,940	7,060	7,310
18	7,580	15,900	6,920	3,970	4,710	31,700	22,300	9,820	3,570	2,260	3,960	5,290
19	5,730	16,800	6,180	4,010	6,710	44,800	20,400	12,900	2,300	1,450	2,940	4,880
20	5,930	12,600	5,410	4,190	12,600	29,100	16,800	23,400	1,670	1,970	1,480	4,980
21	5,290	9,220	5,150	4,450	10,300	22,100	17,900	19,800	1,590	2,160	2,590	3,930
22	5,750	9,170	5,280	4,200	8,540	19,100	17,300	17,200	3,740	1,680	2,910	5,260
23	7,140	12,000	5,110	3,690	6,860	18,100	16,000	12,600	11,800	2,060	3,560	8,570
24	5,840	15,500	4,660	3,320	5,930	15,200	20,900	9,920	9,490	1,020	1,010	8,600
25	4,140	14,200	4,700	3,080	5,780	13,100	18,800	9,070	16,300	1,580	3,240	8,580
26	10,700	11,100	4,900	3,620	4,890	11,400	25,500	7,880	15,400	2,020	3,500	7,590
27	16,600	12,200	4,500	3,980	5,120	9,870	30,800	7,170	9,920	1,920	3,900	6,360
28	17,900	10,600	2,910	3,280	5,330	8,540	42,100	10,000	7,100	2,110	26,000	3,790
29	12,400	9,070	3,670	3,420	---	8,100	53,800	11,000	7,870	2,090	96,900	8,540
30	8,710	8,250	5,130	3,320	---	7,810	41,700	9,020	10,000	1,580	42,000	24,600
31	8,950	---	4,930	3,210	---	7,910	---	6,590	---	2,220	18,400	---
Total	421,490	302,850	289,090	131,050	135,280	582,090	596,990	355,610	158,840	97,250	254,990	469,460
Mean	13,600	10,100	9,325	4,227	4,831	18,780	19,900	11,470	5,295	3,137	8,225	15,650
Max	43,400	16,800	33,300	7,440	12,600	49,400	53,800	26,000	16,300	9,120	96,900	82,200
Min	4,140	6,440	2,910	3,080	2,980	6,040	8,630	1,670	1,190	1,020	1,010	3,790

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1926 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3,710	5,780	6,608	5,961	5,796	11,540	13,930	6,775	3,797	2,483	1,951	2,469
Max	13,950	14,090	16,340	16,400	15,810	28,580	32,280	17,320	15,350	8,985	8,225	15,650
(WY)	(1978)	(1928)	(1997)	(1998)	(1976)	(1936)	(1993)	(1943)	(2006)	(2006)	(2011)	(2011)
Min	731	842	1,841	1,017	1,314	3,723	3,530	1,835	1,121	671	605	740
(WY)	(1965)	(1931)	(1931)	(1931)	(1931)	(1940)	(1995)	(1995)	(1941)	(1941)	(1941)	(1995)

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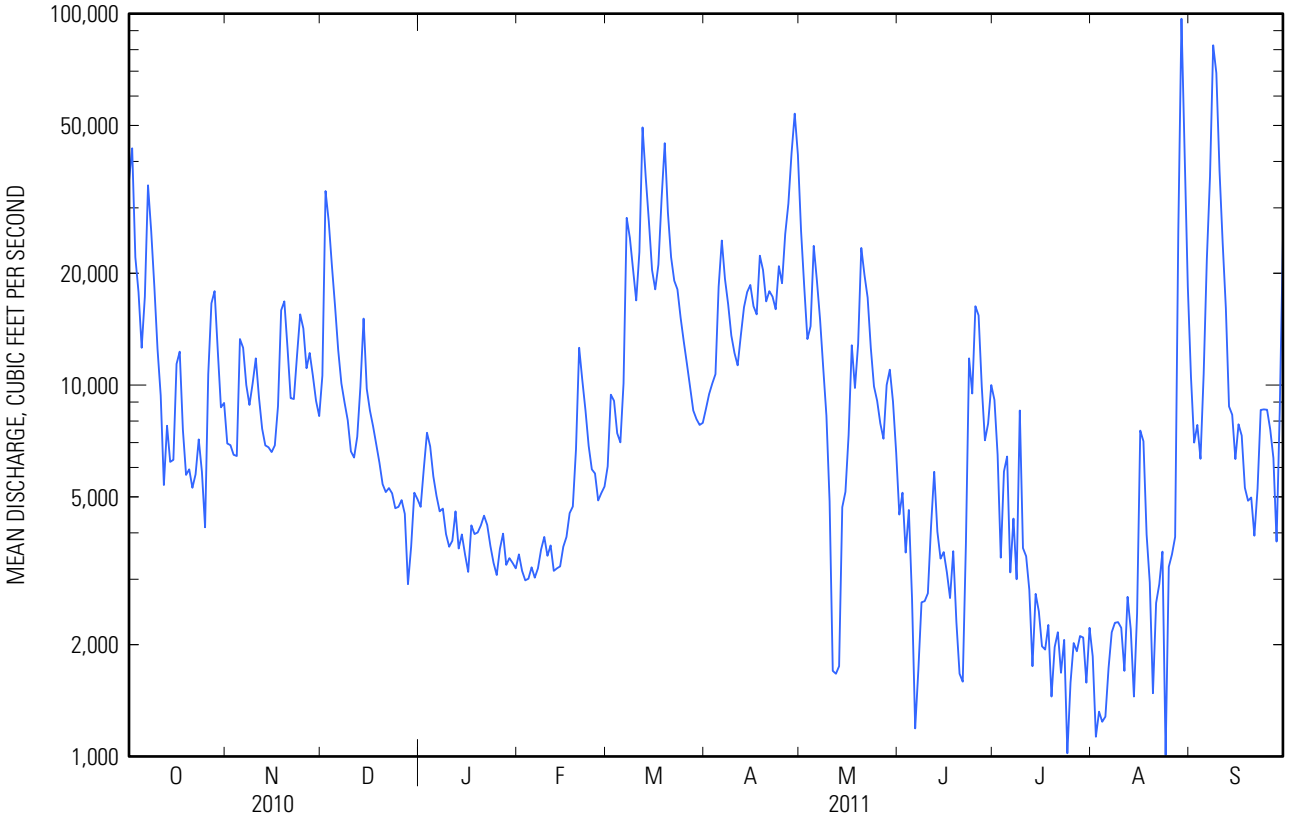
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1926 - 2011	
Annual total	2,689,610		3,794,990			
Annual mean	7,369		10,400		5,895	
Highest annual mean					10,400	2011
Lowest annual mean					3,017	1965
Highest daily mean	54,000	Mar 24	96,900	Aug 29	112,000	Mar 19, 1936
Lowest daily mean	1,020	Apr 22	1,010	Aug 24	23	Aug 24, 1941
Annual seven-day minimum	1,510	Sep 22	1,520	Jul 30	458	Aug 24, 1995
10 percent exceeds	17,400		21,900		13,500	
50 percent exceeds	4,250		7,010		3,460	
90 percent exceeds	1,700		2,240		1,170	



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WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1954-59, 1970, 1976-79, June 1988 to current year.

CHEMICAL DATA: 1955, 1957 (a), 1958-59 (b), 1970 (a), 1977 (c), 1978-79 (d), 1988 (a), 1989 (c), 1990 (d), 1991 (c), 1992 (a), 1993 (c), 1994 (d), 1995 (e), 1996 (d), 1997-2000 (e), 2001 (d), 2002-05 (c), 2006 (d), 2009 (d).

MINOR ELEMENTS DATA: 1958-59 (b), 1976 (a), 1977 (c), 1978 (d), 1979 (e), 1988 (a), 1989 (c), 1990 (d), 1991 (c), 1992 (a).

PESTICIDE DATA: 1976 (a), 1977 (c), 1979 (d), 1993 (a), 1994 (d), 1995 (e), 1996 (d), 1997-2000 (e), 2001 (d), 2002-05 (c), 2006 (d), 2009 (d).

ORGANIC DATA: OC--1976 (a), 1977 (c), 1978-79 (d), 1993 (c), 1994 (d), 1995 (e), 1996-97 (d), 1999-2000 (e), 2001 (d). PCB--1976 (a), 1977 (c), 1979 (d), 1993 (a). PCN--1976 (a), 1979 (d), 1993 (a).

NUTRIENT DATA: 1955, 1957 (a), 1958-59 (b), 1970, 1976 (a), 1977 (c), 1978-79 (d), 1993 (c), 1994 (d), 1995 (e), 1996-2001 (d), 2002-05 (c), 2006 (d), 2009 (d).

BIOLOGICAL DATA: Bacteria--1977 (c), 1978-79 (d), 1993(a). Phytoplankton--1979 (d), 1993 (a).

SEDIMENT DATA: 1954-58, 1976-79 (e), 1988 (a), 1989 (c), 1990 (d), 1991 (c), 1992 (a), 1993 (c), 1994 (d), 1995 (e), 1996 (d), 1997-2011 (e).

PERIOD OF DAILY RECORD.--

ORGANIC CARBON: March 1999 to August 2000.

WATER TEMPERATURE: May 1956 to June 1959.

SUSPENDED-SEDIMENT DISCHARGE and CONCENTRATION: January 1954 to June 1959, August 1976 to September 1979, March 1999 to August 2000, October 2004 to current year.

INSTRUMENTATION.--Point-sample intake for automatic sampler located at downstream left bank of Rt. 32 bridge.

REMARKS.--A sampling method code of "EWI" indicates an equal-width-increment sample.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISSOLVED-ORGANIC-CARBON CONCENTRATION: Maximum daily mean, 5.6 mg/L on several days; minimum daily mean, 2.8 mg/L, Apr. 5, 1999.

DISSOLVED-ORGANIC-CARBON DISCHARGE: Maximum daily, 634 tons, June 7, 2000; minimum daily, 2.1 tons, Sept. 4, 1999.

PARTICULATE-ORGANIC-CARBON CONCENTRATION: Maximum daily mean, 13.7 mg/L, Feb. 29, 2000; minimum daily mean, 0.2 mg/L on many days.

PARTICULATE-ORGANIC-CARBON DISCHARGE: Maximum daily, 2,085 tons, Feb. 29, 2000; minimum daily, 0.1 ton, Sept. 4, 1999.

WATER TEMPERATURE (water years 1956-59): Maximum daily, 28.0°C, July 21, 1957; minimum daily, 0.0°C on many days during winter periods.

SUSPENDED-SEDIMENT CONCENTRATION (water years 1954-59, 1976-79, 1999-2000, 2005-11): Maximum daily mean, 2,510 mg/L, Aug. 29, 2011; minimum daily mean, 1 mg/L, Jan. 6, 1956, Jan. 6, 7, Feb. 21, 22, 25, 1977, on several days in 2005-06 water years, Aug. 24, 25, 2008, on several days in 2009-11 water years.

SUSPENDED-SEDIMENT DISCHARGE (water years 1954-59, 1976-79, 1999-2000, 2005-11): Maximum daily, 694,000 tons, Aug. 29, 2011; minimum daily, 0.8 ton, Aug. 7, 1955.

EXTREMES FOR CURRENT YEAR.--

SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 2,510 mg/L, Aug. 29; minimum daily mean, 1 mg/L, on several days.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 694,000 tons, Aug. 29; minimum daily, 8.8 tons, Jul. 24.

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
Part 1 of 11
[mg/L, milligrams per liter]

Date	Sample start time	Sampling method (82398)	Suspended sediment concen-tration, mg/L (80154)
10-01-2010	**0755**	Point sample	40
10-01-2010	**1255**	Point sample	171
10-01-2010	**1555**	Point sample	243
10-01-2010	**2355**	Point sample	322
10-02-2010	**0755**	Point sample	310
10-02-2010	**1555**	Point sample	202
10-02-2010	**2355**	Point sample	129
10-03-2010	**0755**	Point sample	93
10-03-2010	**1555**	Point sample	73
10-03-2010	**2355**	Point sample	68
10-04-2010	**0755**	Point sample	66
10-04-2010	**1555**	Point sample	53
10-04-2010	**2355**	Point sample	37
10-05-2010	**0755**	Point sample	33
10-05-2010	**1555**	Point sample	28
10-05-2010	**2355**	Point sample	24
10-06-2010	**0755**	Point sample	23
10-06-2010	**1555**	Point sample	30
10-06-2010	**2355**	Point sample	33
10-07-2010	**0755**	Point sample	57
10-07-2010	**1555**	Point sample	88
10-07-2010	**2355**	Point sample	91
10-08-2010	**0755**	Point sample	79
10-08-2010	**1555**	Point sample	54
10-08-2010	**2355**	Point sample	38
10-09-2010	**0755**	Point sample	35
10-09-2010	**1555**	Point sample	33
10-09-2010	**2355**	Point sample	33
10-10-2010	**0755**	Point sample	23
10-10-2010	**1555**	Point sample	23
10-10-2010	**1810**	Point sample	21
10-10-2010	**1825**	Point sample	21
10-10-2010	**1855**	Point sample	21
10-10-2010	**2010**	Point sample	20
10-11-2010	**0410**	Point sample	17
10-11-2010	**1210**	Point sample	16
10-11-2010	**1610**	Point sample	14
10-13-2010	**1025**	Point sample	12
10-13-2010	**1055**	Point sample	12
10-15-2010	**1055**	Point sample	10

01357500 MOHAWK RIVER AT COHOES, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
Part 2 of 11
[mg/L, milligrams per liter]

Date	Sample start time	Sampling method (82398)	Suspended sediment concen-tration, mg/L (80154)
10-16-2010	1010	Point sample	14
10-16-2010	1810	Point sample	16
10-17-2010	0210	Point sample	12
10-17-2010	1010	Point sample	13
10-17-2010	1810	Point sample	12
10-18-2010	0210	Point sample	12
10-18-2010	0440	Point sample	11
10-20-2010	0640	Point sample	8
10-22-2010	0640	Point sample	7
10-24-2010	0640	Point sample	6
10-26-2010	0640	Point sample	7
10-26-2010	1210	Point sample	8
10-26-2010	2010	Point sample	12
10-27-2010	0410	Point sample	10
10-27-2010	1210	Point sample	12
10-27-2010	2010	Point sample	19
10-28-2010	0410	Point sample	23
10-28-2010	1210	Point sample	25
10-28-2010	2010	Point sample	22
10-29-2010	0410	Point sample	19
10-29-2010	1210	Point sample	15
10-29-2010	2010	Point sample	13
10-29-2010	2310	Point sample	9
10-30-2010	2240	Point sample	10
10-31-2010	0110	Point sample	10
11-02-2010	0110	Point sample	6
11-04-2010	0110	Point sample	5
11-05-2010	0910	Point sample	8
11-05-2010	1710	Point sample	12
11-06-2010	0110	Point sample	10
11-06-2010	0910	Point sample	9
11-08-2010	0845	Point sample	5
11-08-2010	1840	Point sample	6
11-09-2010	0240	Point sample	7
11-09-2010	1040	Point sample	5
11-09-2010	1240	Point sample	5
11-09-2010	1310	Point sample	5
11-09-2010	1325	Point sample	5
11-09-2010	2140	Point sample	4
11-10-2010	0540	Point sample	6

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
Part 3 of 11
[mg/L, milligrams per liter]

Date	Sample start time	Sampling method (82398)	Suspended sediment concen-tration, mg/L (80154)
11-10-2010	**1025**	Point sample	10
11-10-2010	**1825**	Point sample	7
11-11-2010	**0640**	Point sample	7
11-15-2010	**1530**	Point sample	4
11-17-2010	**1425**	Point sample	9
11-17-2010	**1455**	Point sample	9
11-17-2010	**1625**	Point sample	7
11-18-2010	**0025**	Point sample	8
11-18-2010	**0825**	Point sample	10
11-18-2010	**1625**	Point sample	12
11-19-2010	**0025**	Point sample	11
11-19-2010	**0825**	Point sample	12
11-19-2010	**1625**	Point sample	9
11-20-2010	**0025**	Point sample	15
11-20-2010	**0825**	Point sample	13
11-20-2010	**1625**	Point sample	12
11-21-2010	**0025**	Point sample	11
11-21-2010	**0425**	Point sample	10
11-21-2010	**1840**	Point sample	7
11-21-2010	**2010**	Point sample	6
11-22-2010	**1510**	Point sample	5
11-22-2010	**2310**	Point sample	6
11-23-2010	**0910**	Point sample	6
11-24-2010	**0745**	Point sample	13
11-24-2010	**1540**	Point sample	13
11-24-2010	**2340**	Point sample	16
11-25-2010	**0740**	Point sample	16
11-25-2010	**1540**	Point sample	13
11-25-2010	**2340**	Point sample	12
11-26-2010	**0740**	Point sample	10
11-26-2010	**0825**	Point sample	11
11-26-2010	**0840**	Point sample	10
11-26-2010	**1640**	Point sample	9
11-27-2010	**0040**	Point sample	9
11-27-2010	**0840**	Point sample	9
11-27-2010	**1640**	Point sample	8
11-28-2010	**0040**	Point sample	9
11-28-2010	**1640**	Point sample	7
11-29-2010	**0040**	Point sample	6
11-29-2010	**0255**	Point sample	6

01357500 MOHAWK RIVER AT COHOES, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
Part 4 of 11
[mg/L, milligrams per liter]

Date	Sample start time	Sampling method (82398)	Suspended sediment concen-tration, mg/L (80154)
12-01-2010	0255	Point sample	3
12-01-2010	1425	Point sample	5
12-01-2010	2225	Point sample	18
12-02-2010	0625	Point sample	59
12-02-2010	1425	Point sample	182
12-02-2010	1638	Point sample	182
12-02-2010	1655	EWI	216
12-02-2010	1710	Point sample	190
12-03-2010	0110	Point sample	178
12-03-2010	0910	Point sample	185
12-03-2010	1710	Point sample	127
12-04-2010	0110	Point sample	97
12-04-2010	0910	Point sample	78
12-04-2010	1710	Point sample	57
12-05-2010	0110	Point sample	46
12-05-2010	0910	Point sample	36
12-05-2010	1710	Point sample	30
12-06-2010	0110	Point sample	25
12-06-2010	0910	Point sample	23
12-06-2010	1710	Point sample	21
12-07-2010	0110	Point sample	17
12-07-2010	0910	Point sample	17
12-07-2010	1710	Point sample	16
12-07-2010	2010	Point sample	16
12-07-2010	2125	Point sample	16
12-07-2010	2210	Point sample	15
12-10-2010	1650	Point sample	23
12-12-2010	1640	Point sample	8
12-13-2010	1410	Point sample	12
12-13-2010	2210	Point sample	14
12-14-2010	0610	Point sample	26
12-23-2010	0910	Point sample	12
12-29-2010	0910	Point sample	9
12-31-2010	0910	Point sample	5
01-02-2011	0910	Point sample	6
01-04-2011	0910	Point sample	6
01-06-2011	0910	Point sample	4
01-08-2011	0910	Point sample	4
01-10-2011	0910	Point sample	5
01-21-2011	1050	Point sample	8

01357500 MOHAWK RIVER AT COHOES, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
Part 5 of 11
[mg/L, milligrams per liter]

Date	Sample start time	Sampling method (82398)	Suspended sediment concen-tration, mg/L (80154)
01-21-2011	1100	Point sample	2
01-23-2011	1055	Point sample	3
01-25-2011	1055	Point sample	6
01-27-2011	1055	Point sample	3
01-29-2011	1055	Point sample	2
01-31-2011	1055	Point sample	2
02-02-2011	1055	Point sample	1
02-04-2011	1055	Point sample	2
02-06-2011	1055	Point sample	2
02-08-2011	1055	Point sample	1
02-10-2011	1055	Point sample	2
02-12-2011	1055	Point sample	2
02-14-2011	1055	Point sample	1
02-16-2011	1055	Point sample	1
02-18-2011	1055	Point sample	2
02-19-2011	2010	Point sample	28
02-20-2011	0410	Point sample	18
02-20-2011	1210	Point sample	8
02-20-2011	2010	Point sample	15
02-21-2011	0410	Point sample	22
02-21-2011	0740	Point sample	25
02-21-2011	0755	Point sample	24
02-21-2011	1555	Point sample	23
02-24-2011	1010	Point sample	6
02-26-2011	1010	Point sample	3
02-28-2011	1010	Point sample	3
03-02-2011	1025	Point sample	4
03-02-2011	1855	Point sample	4
03-03-2011	0055	Point sample	5
03-03-2011	0755	Point sample	4
03-05-2011	0755	Point sample	5
03-05-2011	1625	Point sample	4
03-06-2011	1525	Point sample	8
03-06-2011	2325	Point sample	27
03-07-2011	0725	Point sample	67
03-07-2011	1525	Point sample	217
03-07-2011	2325	Point sample	187
03-08-2011	0725	Point sample	109
03-08-2011	1525	Point sample	120
03-08-2011	2325	Point sample	86

01357500 MOHAWK RIVER AT COHOES, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
Part 6 of 11
[mg/L, milligrams per liter]

Date	Sample start time	Sampling method (82398)	Suspended sediment concen-tration, mg/L (80154)
03-09-2011	1525	Point sample	48
03-09-2011	2325	Point sample	40
03-10-2011	0725	Point sample	28
03-10-2011	1525	Point sample	24
03-10-2011	2325	Point sample	27
03-11-2011	0725	Point sample	23
03-11-2011	1525	Point sample	32
03-11-2011	2325	Point sample	187
03-12-2011	0725	Point sample	505
03-12-2011	1525	Point sample	498
03-12-2011	2325	Point sample	310
03-13-2011	0725	Point sample	193
03-13-2011	1525	Point sample	136
03-13-2011	2325	Point sample	121
03-14-2011	0725	Point sample	100
03-14-2011	1525	Point sample	75
03-14-2011	2325	Point sample	61
03-15-2011	0725	Point sample	45
03-15-2011	1525	Point sample	36
03-15-2011	2325	Point sample	28
03-16-2011	0725	Point sample	24
03-16-2011	1525	Point sample	21
03-16-2011	2325	Point sample	21
03-17-2011	0725	Point sample	21
03-17-2011	1525	Point sample	20
03-17-2011	2325	Point sample	26
03-18-2011	0725	Point sample	39
03-18-2011	1525	Point sample	78
03-18-2011	2325	Point sample	161
03-19-2011	0725	Point sample	302
03-19-2011	1525	Point sample	281
03-19-2011	2325	Point sample	193
03-20-2011	0725	Point sample	160
03-20-2011	1525	Point sample	102
03-20-2011	2325	Point sample	66
03-21-2011	0725	Point sample	52
03-21-2011	2325	Point sample	36
03-22-2011	2325	Point sample	22
03-23-2011	2325	Point sample	17
03-25-2011	0725	Point sample	12

01357500 MOHAWK RIVER AT COHOES, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
Part 7 of 11
[mg/L, milligrams per liter]

Date	Sample start time	Sampling method (82398)	Suspended sediment concen-tration, mg/L (80154)
03-28-2011	1510	Point sample	11
03-30-2011	1510	Point sample	7
04-01-2011	1510	Point sample	7
04-02-2011	2340	Point sample	6
04-04-2011	0340	Point sample	8
04-05-2011	0340	Point sample	7
04-05-2011	1940	Point sample	17
04-06-2011	0340	Point sample	26
04-06-2011	1140	Point sample	44
04-06-2011	1940	Point sample	51
04-07-2011	0340	Point sample	40
04-07-2011	1140	Point sample	32
04-08-2011	0340	Point sample	24
04-08-2011	1940	Point sample	15
04-11-2011	1300	Point sample	11
04-12-2011	1300	Point sample	10
04-13-2011	1300	Point sample	14
04-14-2011	1300	Point sample	14
04-15-2011	1300	Point sample	14
04-16-2011	1300	Point sample	12
04-17-2011	1300	Point sample	9
04-18-2011	0500	Point sample	15
04-18-2011	2100	Point sample	21
04-19-2011	0500	Point sample	25
04-19-2011	1300	Point sample	25
04-19-2011	2100	Point sample	22
04-20-2011	0500	Point sample	18
04-20-2011	1300	Point sample	14
04-21-2011	1300	Point sample	12
04-22-2011	1300	Point sample	12
04-23-2011	1300	Point sample	14
04-25-2011	1300	Point sample	33
04-26-2011	0500	Point sample	23
04-26-2011	1300	Point sample	34
04-26-2011	2100	Point sample	100
04-27-2011	0500	Point sample	104
04-27-2011	1300	Point sample	133
04-27-2011	2100	Point sample	102
04-28-2011	0500	Point sample	94
04-28-2011	1300	Point sample	112

01357500 MOHAWK RIVER AT COHOES, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
Part 8 of 11
[mg/L, milligrams per liter]

Date	Sample start time	Sampling method (82398)	Suspended sediment concen-tration, mg/L (80154)
04-28-2011	2100	Point sample	196
04-29-2011	0500	Point sample	274
04-29-2011	1300	Point sample	387
04-29-2011	2100	Point sample	280
04-30-2011	0500	Point sample	237
04-30-2011	1300	Point sample	191
04-30-2011	2100	Point sample	144
05-01-2011	0500	Point sample	109
05-01-2011	2100	Point sample	56
05-02-2011	1300	Point sample	40
05-03-2011	0500	Point sample	31
05-04-2011	1300	Point sample	23
05-04-2011	2100	Point sample	28
05-05-2011	0500	Point sample	43
05-05-2011	1010	Point sample	43
05-05-2011	1045	EWI	52
05-05-2011	1115	Point sample	39
05-05-2011	1915	Point sample	46
05-06-2011	0315	Point sample	43
05-06-2011	1115	Point sample	38
05-07-2011	0315	Point sample	25
05-07-2011	1915	Point sample	17
05-08-2011	1915	Point sample	13
05-09-2011	1740	Point sample	11
05-11-2011	1740	Point sample	6
05-13-2011	1740	Point sample	5
05-15-2011	1740	Point sample	7
05-16-2011	1610	Point sample	14
05-17-2011	0810	Point sample	19
05-20-2011	1610	Point sample	28
05-21-2011	0010	Point sample	29
05-21-2011	0810	Point sample	33
05-21-2011	1610	Point sample	25
05-22-2011	0010	Point sample	24
05-22-2011	0810	Point sample	25
05-22-2011	1610	Point sample	20
05-23-2011	0810	Point sample	20
05-23-2011	1610	Point sample	15
05-25-2011	0010	Point sample	12
05-26-2011	1240	Point sample	10

01357500 MOHAWK RIVER AT COHOES, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
Part 9 of 11
[mg/L, milligrams per liter]

Date	Sample start time	Sampling method (82398)	Suspended sediment concen-tration, mg/L (80154)
05-28-2011	0525	Point sample	11
05-29-2011	1325	Point sample	12
06-01-2011	2110	Point sample	8
06-03-2011	2110	Point sample	6
06-05-2011	2110	Point sample	4
06-07-2011	2110	Point sample	12
06-09-2011	2110	Point sample	7
06-11-2011	2110	Point sample	17
06-13-2011	2110	Point sample	6
06-15-2011	2110	Point sample	5
06-17-2011	2110	Point sample	3
06-19-2011	2110	Point sample	3
06-21-2011	2110	Point sample	6
06-23-2011	0410	Point sample	11
06-23-2011	1210	Point sample	33
06-23-2011	2010	Point sample	17
06-24-2011	0410	Point sample	20
06-24-2011	1210	Point sample	13
06-24-2011	2355	Point sample	12
06-25-2011	0755	Point sample	18
06-25-2011	1555	Point sample	33
06-25-2011	2355	Point sample	37
06-26-2011	0755	Point sample	34
06-26-2011	1555	Point sample	29
06-26-2011	2355	Point sample	22
06-30-2011	1130	Point sample	26
06-30-2011	1930	Point sample	20
07-01-2011	0330	Point sample	22
07-01-2011	1130	Point sample	20
07-01-2011	1930	Point sample	18
07-02-2011	0330	Point sample	15
07-02-2011	0555	Point sample	17
07-04-2011	0555	Point sample	14
07-06-2011	0555	Point sample	10
07-08-2011	0555	Point sample	4
07-09-2011	1225	Point sample	19
07-09-2011	2025	Point sample	22
07-10-2011	0155	Point sample	15
07-12-2011	0155	Point sample	6
07-14-2011	0155	Point sample	4

01357500 MOHAWK RIVER AT COHOES, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
Part 10 of 11
[mg/L, milligrams per liter]

Date	Sample start time	Sampling method (82398)	Suspended sediment concen-tration, mg/L (80154)
07-16-2011	0155	Point sample	9
07-18-2011	0155	Point sample	5
07-20-2011	0155	Point sample	4
07-22-2011	0155	Point sample	4
07-24-2011	0155	Point sample	2
07-26-2011	0155	Point sample	5
07-28-2011	0155	Point sample	4
07-30-2011	0155	Point sample	4
08-01-2011	0155	Point sample	4
08-03-2011	0155	Point sample	3
08-05-2011	0155	Point sample	5
08-07-2011	0155	Point sample	5
08-09-2011	0155	Point sample	2
08-11-2011	0155	Point sample	3
08-13-2011	0155	Point sample	4
08-15-2011	0155	Point sample	5
08-16-2011	0555	Point sample	18
08-16-2011	0610	Point sample	18
08-16-2011	2240	Point sample	10
08-17-2011	0640	Point sample	11
08-17-2011	1240	Point sample	7
08-19-2011	1240	Point sample	5
08-21-2011	1240	Point sample	10
08-23-2011	1240	Point sample	6
08-25-2011	1240	Point sample	5
08-27-2011	1240	Point sample	6
08-28-2011	0955	Point sample	13
08-28-2011	1755	Point sample	151
08-29-2011	0155	Point sample	924
08-29-2011	0955	Point sample	2,580
08-29-2011	1050	Point sample	3,080
08-29-2011	1120	EWI	3,690
08-29-2011	1150	Point sample	3,490
08-29-2011	1948	Point sample	2,890
08-30-2011	0348	Point sample	1,710
08-30-2011	1148	Point sample	1,120
08-31-2011	0348	Point sample	598
08-31-2011	1148	Point sample	513
08-31-2011	1948	Point sample	421
09-01-2011	1148	Point sample	304

01357500 MOHAWK RIVER AT COHOES, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
Part 11 of 11
[mg/L, milligrams per liter]

Date	Sample start time	Sampling method (82398)	Suspended sediment concen-tration, mg/L (80154)
09-01-2011	2124	Point sample	261
09-03-2011	2124	Point sample	189
09-05-2011	1009	Point sample	103
09-06-2011	0209	Point sample	78
09-06-2011	1809	Point sample	87
09-07-2011	1009	Point sample	153
09-07-2011	1809	Point sample	264
09-08-2011	0209	Point sample	611
09-08-2011	1009	Point sample	1,450
09-08-2011	1048	Point sample	1,560
09-08-2011	1115	EWI	1,680
09-08-2011	1133	Point sample	1,570
09-08-2011	1933	Point sample	1,120
09-09-2011	0333	Point sample	904
09-09-2011	1133	Point sample	802
09-09-2011	1933	Point sample	767
09-10-2011	0333	Point sample	587
09-10-2011	1134	Point sample	541
09-11-2011	0334	Point sample	364
09-11-2011	1934	Point sample	223
09-12-2011	1134	Point sample	159
09-13-2011	0334	Point sample	100
09-14-2011	1024	Point sample	54
09-16-2011	1054	Point sample	57
09-18-2011	1709	Point sample	35
09-20-2011	1709	Point sample	29
09-22-2011	1710	Point sample	26
09-23-2011	1340	Point sample	33
09-23-2011	2140	Point sample	28
09-24-2011	0540	Point sample	30
09-24-2011	0925	Point sample	31
09-26-2011	0925	Point sample	26
09-28-2011	0925	Point sample	17
09-29-2011	1840	Point sample	29
09-30-2011	0240	Point sample	47
09-30-2011	1040	Point sample	117
09-30-2011	1840	Point sample	196

01357500 MOHAWK RIVER AT COHOES, NY—Continued

SUSPENDED-SEDIMENT
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
[e, estimated]

Day	Mean concen-tration (mg/L)	Sediment discharge (tons/day)	Mean concen-tration (mg/L)	Sediment discharge (tons/day)	Mean concen-tration (mg/L)	Sediment discharge (tons/day)	Mean concen-tration (mg/L)	Sediment discharge (tons/day)	Mean concen-tration (mg/L)	Sediment discharge (tons/day)	Mean concen-tration (mg/L)	Sediment discharge (tons/day)
	October		November		December		January		February		March	
1	165	21,300	e8	e159	8	273	e7	e83	e1	e14	e5	e74
2	268	33,500	6	120	137	13,500	7	112	1	9.5	5	128
3	100	6,120	e6	e105	159	12,000	e7	e141	e2	e12	5	130
4	66	3,290	6	104	81	4,670	7	126	2	16	e6	e112
5	36	1,200	11	426	41	1,810	e6	e91	e3	e22	5	103
6	31	1,490	9	327	26	876	5	69	3	23	11	359
7	77	7,530	e7	e181	19	529	e5	e62	e2	e17	154	12,200
8	74	5,570	7	159	e17	e402	5	64	1	11	135	9,130
9	40	1,970	6	173	e15	e316	e6	e59	e2	e16	64	3,600
10	28	974	9	287	16	293	6	60	2	19	32	1,490
11	18	472	8	196	e10	e168	e6	e66	e3	e25	49	3,930
12	e14	e205	e7	e148	10	189	e7	e83	3	24	470	63,500
13	14	291	e6	e120	13	367	e7	e70	e2	e17	192	19,200
14	e12	e202	e6	e106	29	1,180	e7	e80	1	9.7	99	7,540
15	12	204	5	92	e18	e503	e8	e74	e1	e9.9	47	2,620
16	16	508	e5	e93	e12	e282	e8	e70	1	11	26	1,290
17	14	477	7	168	e13	e262	e9	e97	e2	e19	25	1,420
18	12	253	12	529	e13	e242	e9	e96	2	25	79	7,480
19	e11	e166	14	633	e13	e223	e9	e101	9	230	283	34,700
20	10	159	15	507	e14	e201	e10	e109	17	580	143	11,600
21	e9	e134	10	245	e14	e197	6	69	26	729	55	3,290
22	9	136	6	155	e15	e209	e3	e34	e18	e416	33	1,680
23	e8	e150	8	277	15	205	4	42	e11	e198	22	1,100
24	7	106	15	643	e14	e179	e6	e54	7	114	e18	e729
25	e7	e73	17	646	e14	e172	7	62	e5	e84	14	502
26	11	337	12	357	e13	e171	e6	e57	4	55	e14	e421
27	16	738	10	344	e12	e149	4	44	e4	e55	e13	e355
28	27	1,300	9	262	e12	e91	e3	e26	4	59	13	298
29	18	614	6	158	11	104	2	19	---	---	e11	e237
30	11	257	e5	e112	e8	e113	e2	e18	---	---	8	179
31	11	269	---	---	6	84	2	17	---	---	e8	e171
Total	---	89,995	---	7,832	---	39,960	---	2,155	---	2,820.1	---	189,568

01357500 MOHAWK RIVER AT COHOES, NY—Continued

SUSPENDED-SEDIMENT
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
[e, estimated]

Day	Mean concen-tration (mg/L)	Sediment discharge (tons/day)	Mean concen-tration (mg/L)	Sediment discharge (tons/day)	Mean concen-tration (mg/L)	Sediment discharge (tons/day)	Mean concen-tration (mg/L)	Sediment discharge (tons/day)	Mean concen-tration (mg/L)	Sediment discharge (tons/day)	Mean concen-tration (mg/L)	Sediment discharge (tons/day)
	April		May		June		July		August		September	
1	8	185	96	6,980	11	141	24	589	5	24	370	10,700
2	7	188	47	2,340	e10	e144	18	315	e4	e13	e280	e5,310
3	e8	e226	34	1,210	9	82	e13	e127	4	16	241	5,090
4	9	266	29	1,150	e7	e92	15	247	e6	e21	e225	e3,840
5	14	749	49	3,100	6	40	e16	e289	7	23	126	3,460
6	45	2,970	42	2,210	e5	e16	10	94	e6	e29	98	5,810
7	39	2,030	24	980	6	36	e7	e82	5	32	231	25,400
8	22	1,010	17	507	e7	e47	5	41	e4	e25	1,200	273,000
9	e16	e590	14	317	9	70	e17	e469	3	19	874	166,000
10	e15	e478	e11	e146	e9	e68	13	142	e4	e21	595	61,600
11	13	400	9	40	12	159	e8	e77	4	19	328	21,800
12	13	462	e7	e33	e15	e254	7	56	e5	e34	182	8,080
13	15	677	6	30	9	95	e6	e27	5	32	101	2,450
14	16	770	e7	e100	e7	e68	5	41	e6	e24	66	1,490
15	16	794	9	129	6	62	e7	e48	9	64	e63	e1,080
16	14	614	13	292	e6	e54	11	55	16	320	66	1,400
17	12	492	22	774	4	29	e8	e40	10	207	e55	e1,080
18	20	1,210	e19	e547	e4	e39	7	40	e6	e64	45	646
19	27	1,500	e20	e736	4	26	e6	e22	6	49	e40	e533
20	18	820	30	1,890	e5	e21	5	27	e7	e27	37	495
21	14	691	32	1,760	5	23	e5	e29	12	83	e34	e366
22	14	664	26	1,210	e6	e72	5	21	e12	e97	33	466
23	17	732	20	700	23	753	e4	e20	10	104	36	843
24	e27	e1,500	e15	e400	17	472	3	8.8	e7	e18	36	835
25	34	1,750	14	347	29	1,390	e5	e21	7	72	e34	e781
26	55	4,160	12	257	36	1,530	6	33	e7	e66	30	611
27	129	10,800	e12	e234	e23	e630	e5	e28	7	72	e23	e395
28	141	16,900	13	360	e22	e419	5	29	139	20,400	23	232
29	336	48,700	14	417	e28	e600	e5	e30	2,510	694,000	31	771
30	216	24,800	e13	e328	29	798	5	21	1,310	170,000	153	10,100
31	---	---	e12	e205	---	---	e5	e30	588	29,800	---	---
Total	---	127,128	---	29,729	---	8,230	---	3,098.8	---	915,775	---	614,664

	Total suspended sediment discharge (tons)
Year	2,030,954.9