Water-Data Report 2013

01372007 RONDOUT CREEK AT RONDOUT, NY

Upper Hudson Basin
Rondout Subbasin

LOCATION.--Lat 41°55'05.3", long 73°58'54.2" referenced to North American Datum of 1983, Ulster County, NY, Hydrologic Unit 02020007, on left bank at State Highway 9W bridge and 1.1 mi above mouth, at Rondout.

DRAINAGE AREA.--1,185 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements--2008, 2011. March 2011 to current year.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is 3.45 ft below NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Telephone gage-height and velocity telemeter at station. Flow at this site is affected by astronomical tides.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 59,700 ft^3/s, Aug. 28, 2011, gage height, 11.86 ft; maximum gage height, 13.42 ft, Oct. 30, 2012; minimum instantaneous discharge not determined; minimum gage height, 0.02 ft, Feb. 26, 2012.

EXTREMES FOR 2011 YEAR.--(March to September).--Maximum discharge, 59,700 ft^3/s, Aug. 28, gage height, 11.86 ft; minimum instantaneous discharge not determined; minimum gage height, 0.96 ft, Mar. 3.

EXTREMES FOR 2012 YEAR.--Maximum discharge, 16,500 ft^3/s, Oct. 1, gage height, 6.99 ft; maximum gage height, 8.48 ft, June 5; minimum instantaneous discharge not determined; minimum gage height, 0.02 ft, Feb. 26.

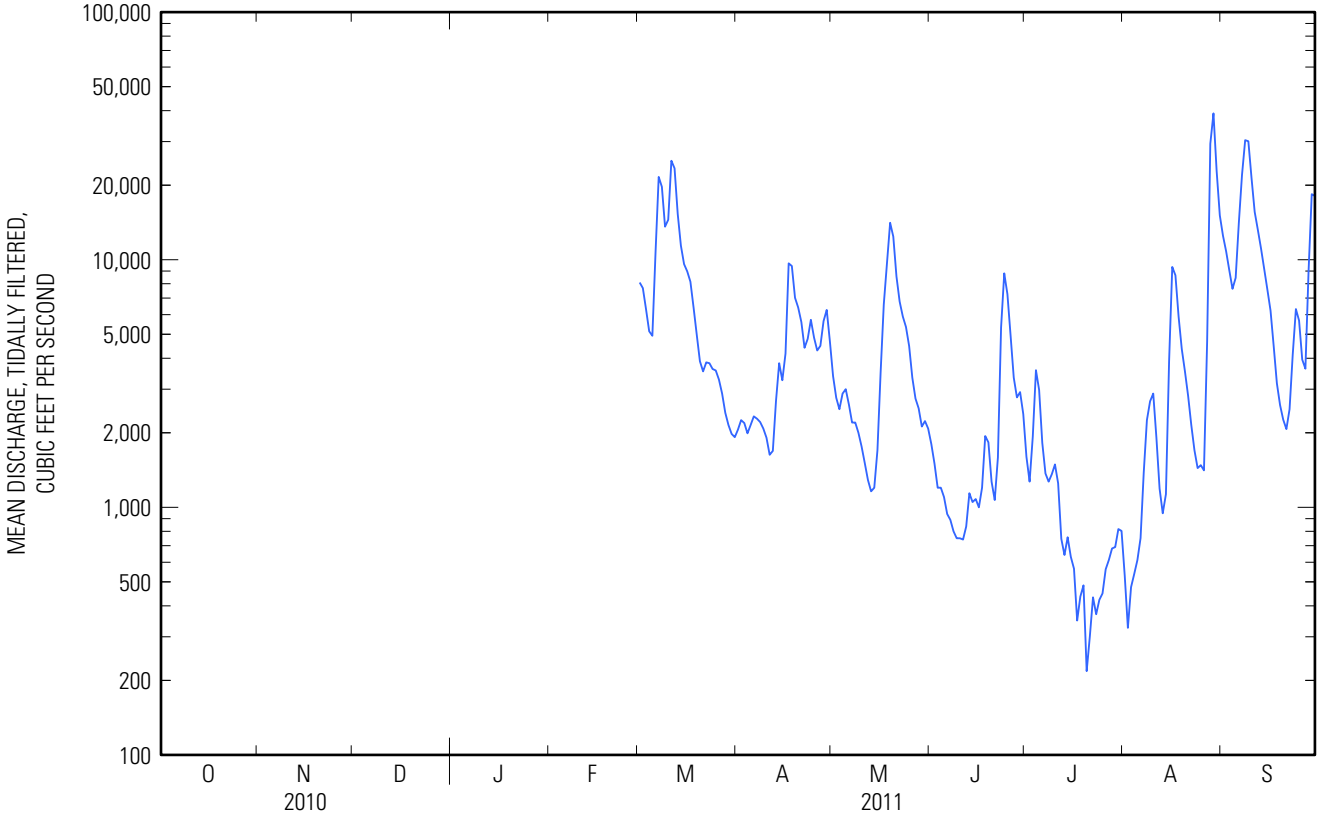
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,100 ft^3/s, June 14, gage height, 5.49 ft; maximum gage height, 13.42 ft, Oct. 30; minimum instantaneous discharge not determined; minimum gage height, 0.28 ft, Feb. 18.

01372007 RONDOUT CREEK AT RONDOUT, NY—Continued

DISCHARGE, TIDALLY FILTERED, 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	---	---	---	---	---	8,090	2,060	3,390	e1,800	1,600	531	12,500
2	---	---	---	---	---	7,680	2,250	2,770	e1,500	1,270	326	10,800
3	---	---	---	---	---	6,310	2,190	2,490	e1,200	1,930	476	9,050
4	---	---	---	---	---	5,140	1,990	2,880	e1,200	3,580	538	7,630
5	---	---	---	---	---	4,930	2,150	e3,000	e1,100	2,980	612	8,450
6	---	---	---	---	---	10,700	2,330	e2,600	e940	1,820	751	14,100
7	---	---	---	---	---	21,600	2,280	e2,200	e890	1,370	1,380	22,000
8	---	---	---	---	---	19,700	2,210	e2,200	e800	1,270	2,250	30,400
9	---	---	---	---	---	13,600	2,080	e2,000	e750	1,360	2,680	30,100
10	---	---	---	---	---	14,500	1,910	1,760	e750	1,490	2,880	21,400
11	---	---	---	---	---	25,100	1,630	1,510	741	1,250	1,910	15,600
12	---	---	---	---	---	23,400	1,690	1,290	837	746	1,190	13,200
13	---	---	---	---	---	15,300	2,690	1,160	1,140	642	946	11,100
14	---	---	---	---	---	11,400	3,820	e1,200	1,050	757	1,130	9,180
15	---	---	---	---	---	9,600	3,260	e1,700	1,080	631	3,890	7,580
16	---	---	---	---	---	8,970	4,180	e3,500	1,000	565	9,350	6,230
17	---	---	---	---	---	8,150	9,670	e6,600	1,200	349	8,650	4,470
18	---	---	---	---	---	6,410	9,430	9,660	1,940	436	5,890	3,170
19	---	---	---	---	---	4,980	7,020	14,100	1,830	484	4,360	2,590
20	---	---	---	---	---	3,890	6,410	12,400	1,270	218	3,540	2,260
21	---	---	---	---	---	3,540	5,600	8,560	1,070	301	2,820	2,070
22	---	---	---	---	---	3,850	4,410	6,780	1,590	433	2,150	2,490
23	---	---	---	---	---	3,820	4,790	5,900	5,320	370	1,700	4,140
24	---	---	---	---	---	3,620	5,720	5,350	8,810	423	1,440	6,320
25	---	---	---	---	---	3,570	4,850	4,480	7,260	449	1,480	5,680
26	---	---	---	---	---	3,280	4,300	3,340	4,940	562	1,410	3,950
27	---	---	---	---	---	2,880	4,490	2,750	3,340	613	4,670	3,630
28	---	---	---	---	---	2,410	5,650	2,510	2,780	682	29,400	9,020
29	---	---	---	---	---	2,150	6,270	2,120	2,920	691	39,000	18,400
30	---	---	---	---	---	1,980	4,680	2,230	2,380	817	22,800	18,100
31	---	---	---	---	---	1,920	---	2,080	---	803	15,100	---
Total	---	---	---	---	---	262,470	122,010	124,510	63,428	30,892	175,250	315,610
Mean	---	---	---	---	---	8,467	4,067	4,016	2,114	997	5,653	10,520
Max	---	---	---	---	---	25,100	9,670	14,100	8,810	3,580	39,000	30,400
Min	---	---	---	---	---	1,920	1,630	1,160	741	218	326	2,070

01372007 RONDOUT CREEK AT RONDOUT, NY—Continued



01372007 RONDOUT CREEK AT RONDOUT, NY—Continued

DISCHARGE, TIDALLY FILTERED, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	13,300	3,630	e6,550	3,100	2,690	1,430	882	1,040	1,750	324	764	322
2	10,600	3,540	e4,580	2,800	2,570	2,060	1,200	1,120	2,530	279	650	272
3	9,190	3,390	e3,630	2,270	2,320	3,230	1,190	1,400	3,250	255	529	262
4	8,160	3,090	e3,690	1,770	2,130	3,660	1,080	1,820	2,780	298	279	295
5	7,320	2,720	e3,000	1,590	2,020	2,800	1,000	2,220	2,510	320	248	511
6	5,970	2,560	e2,710	1,510	1,790	2,140	869	1,940	2,340	291	480	982
7	4,780	e2,500	e4,140	1,580	1,590	1,810	716	1,270	2,020	246	401	1,290
8	3,920	e2,330	e13,400	1,660	1,420	1,710	695	1,500	1,830	234	318	971
9	3,230	e2,080	e12,600	1,610	1,500	1,860	608	2,690	1,640	386	386	727
10	2,720	e1,930	e7,570	1,440	1,410	1,730	594	2,470	1,360	348	627	790
11	2,500	e1,910	e6,080	1,410	1,360	1,600	644	1,790	1,080	389	549	752
12	2,430	e1,760	e7,140	2,240	1,340	1,670	542	1,600	1,200	386	523	564
13	2,250	e1,560	e5,150	3,710	1,270	1,490	524	1,170	2,380	462	549	520
14	3,930	e1,480	e4,580	3,510	1,140	1,180	488	1,220	2,460	367	427	476
15	5,190	e1,440	e5,280	2,360	1,050	1,090	507	2,580	1,680	346	555	404
16	4,010	e1,410	e4,020	1,470	977	1,340	555	3,750	1,190	967	605	358
17	3,180	e1,620	e3,120	1,670	1,060	1,270	590	2,900	1,040	677	564	542
18	2,880	e1,640	2,310	1,790	1,250	1,110	540	1,860	846	423	578	896
19	2,790	e1,460	1,880	1,550	1,370	987	363	1,260	635	318	465	2,030
20	3,420	e1,320	1,870	1,490	1,240	855	393	1,190	683	338	522	2,200
21	3,570	e1,320	1,990	1,390	1,190	966	595	1,310	638	486	516	1,640
22	3,160	e1,260	2,620	1,080	1,030	1,020	1,730	2,000	727	693	441	1,210
23	2,660	e5,510	3,680	1,140	916	1,090	4,420	2,730	678	587	509	1,140
24	2,000	e8,050	3,640	2,250	1,320	882	4,610	2,980	690	521	590	983
25	1,860	e4,990	2,860	3,330	1,820	662	3,080	2,540	769	554	479	819
26	1,810	e3,600	2,440	3,420	1,790	938	2,310	2,000	728	533	341	786
27	1,910	e4,950	3,200	5,860	1,560	753	2,040	1,430	580	680	326	846
28	2,640	e3,800	5,980	6,830	1,450	680	1,500	1,480	524	1,170	386	1,360
29	2,940	e3,090	5,330	5,160	1,290	818	1,220	1,640	430	1,770	459	2,460
30	3,060	e7,180	3,870	3,880	---	785	1,040	1,700	398	1,410	361	2,050
31	3,600	---	3,330	3,040	---	765	---	1,640	---	980	273	---
Total	130,980	87,120	142,240	77,910	43,863	44,381	36,525	58,240	41,366	17,038	14,700	28,458
Mean	4,225	2,904	4,588	2,513	1,513	1,432	1,218	1,879	1,379	550	474	949
Max	13,300	8,050	13,400	6,830	2,690	3,660	4,610	3,750	3,250	1,770	764	2,460
Min	1,810	1,260	1,870	1,080	916	662	363	1,040	398	234	248	262

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2011 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4,225	2,904	4,588	2,513	1,513	4,949	2,642	2,948	1,747	773	3,064	5,734
Max	4,225	2,904	4,588	2,513	1,513	8,467	4,067	4,016	2,114	997	5,653	10,520
(WY)	(2012)	(2012)	(2012)	(2012)	(2012)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)
Min	4,225	2,904	4,588	2,513	1,513	1,432	1,218	1,879	1,379	550	474	949
(WY)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)	(2012)

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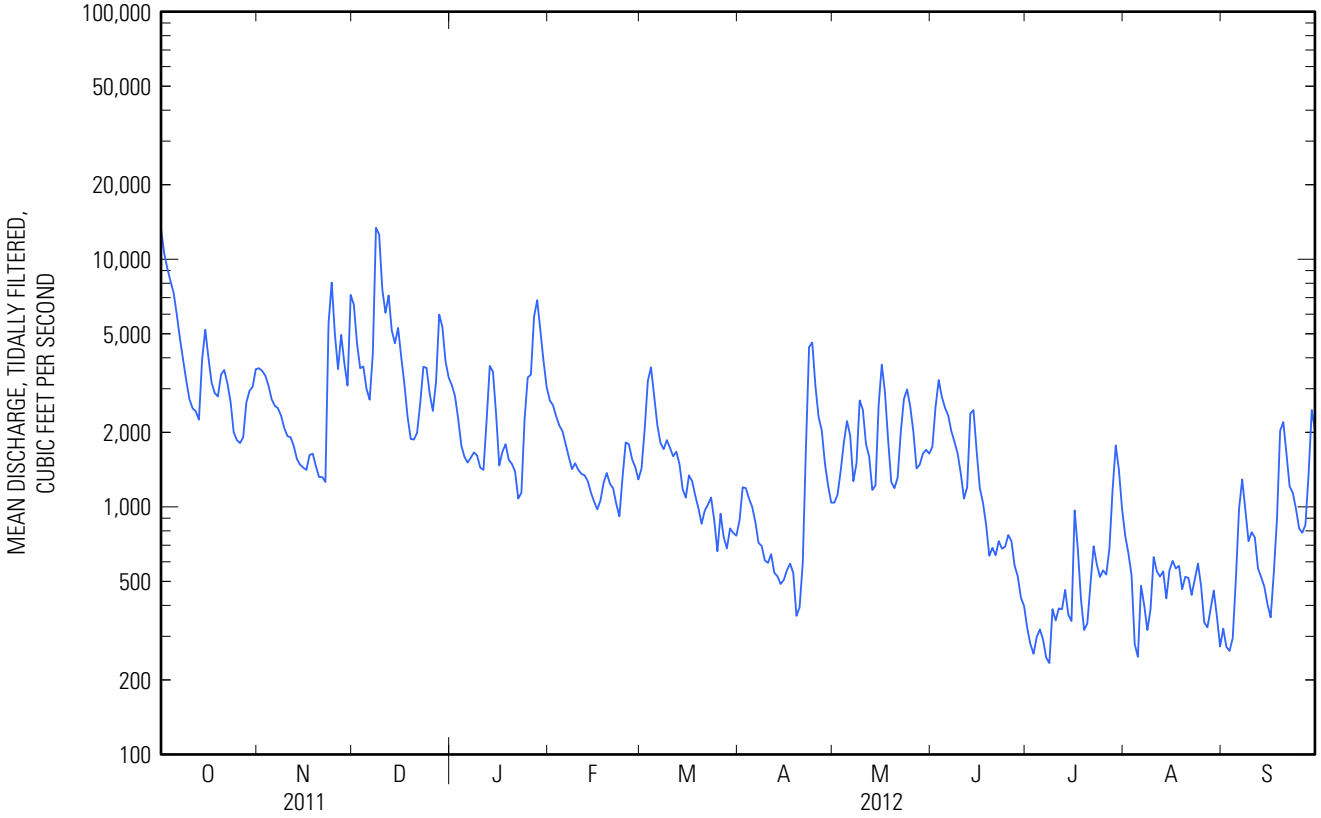
SUMMARY STATISTICS

	Water Year 2012		Water Years 2011 - 2012	
Annual total	722,821			
Annual mean	1,975		1,975	
Highest annual mean			1,975	2012
Lowest annual mean			1,975	2012
Highest daily mean	13,400	Dec 8	39,000	Aug 29, 2011
Lowest daily mean	234	Jul 8	218	Jul 20, 2011
Annual seven-day minimum	275	Jul 2	275	Jul 2, 2012
10 percent exceeds	3,870		3,870	
50 percent exceeds	1,440		1,440	
90 percent exceeds	426		426	



01372007 RONDOUT CREEK AT RONDOUT, NY—Continued

DISCHARGE, TIDALLY FILTERED, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1,390	3,480	745	2,060	9,560	5,220	1,740	1,100	905	10,400	713	635
2	1,560	3,120	770	1,880	7,020	4,030	1,980	1,040	946	e11,700	589	990
3	2,650	2,610	804	1,400	4,950	3,320	1,670	773	967	e11,000	578	1,560
4	e2,190	2,120	755	1,280	3,820	2,630	1,370	677	836	e5,990	467	1,440
5	e2,520	1,630	872	1,350	2,960	2,290	1,360	811	851	e6,160	650	1,070
6	e2,310	1,310	787	1,130	2,270	2,250	1,290	871	983	e3,880	500	788
7	e1,840	1,370	723	1,120	1,850	2,270	1,080	627	1,980	2,040	435	714
8	e1,390	1,470	743	1,140	1,710	2,220	1,080	862	5,430	1,620	820	710
9	e1,280	1,260	937	1,160	1,440	2,330	1,100	1,860	5,320	1,540	4,890	590
10	e1,190	1,080	1,030	1,150	1,300	2,670	1,240	2,010	4,990	1,560	10,100	583
11	e1,100	1,000	1,230	1,260	1,510	3,140	1,320	1,810	9,980	1,470	7,350	552
12	e1,080	1,070	1,300	1,670	1,350	5,790	1,790	1,970	13,700	1,310	2,640	557
13	e920	1,300	1,180	3,040	1,060	9,130	2,340	1,870	8,970	1,060	2,370	602
14	855	1,610	1,010	4,330	1,260	7,100	1,930	1,370	13,800	790	2,190	500
15	738	1,670	866	4,830	1,670	4,430	1,640	995	12,200	956	1,440	491
16	812	1,490	833	4,230	2,400	3,910	1,460	750	8,050	745	1,220	438
17	1,100	1,350	1,320	3,600	2,520	3,350	1,290	1,050	5,630	573	1,050	422
18	1,120	1,070	3,510	3,150	1,940	2,630	1,050	944	4,420	581	937	444
19	4,140	1,030	4,140	2,710	1,610	2,510	1,220	645	3,760	527	804	406
20	7,360	962	3,220	2,450	1,400	2,520	2,620	824	2,700	555	665	371
21	4,840	885	7,580	2,160	1,470	2,690	2,920	518	2,040	353	567	374
22	2,970	846	9,710	1,740	1,380	2,470	2,380	576	1,790	430	628	475
23	2,440	713	6,630	1,280	1,190	2,510	1,940	617	1,070	652	661	472
24	2,440	838	5,220	1,180	1,360	2,460	1,540	1,310	812	765	613	529
25	2,780	872	4,290	1,060	1,760	2,400	1,400	2,110	824	786	592	560
26	2,660	809	3,320	1,100	1,980	2,120	1,340	2,100	822	765	462	566
27	2,090	765	3,200	801	3,600	2,060	1,180	1,570	1,130	494	604	499
28	1,920	740	2,740	546	6,040	1,980	1,070	1,020	2,750	537	831	404
29	1,620	730	2,680	627	---	1,750	1,040	916	3,820	741	1,050	377
30	2,730	750	2,660	1,870	---	1,700	1,090	962	5,020	717	1,040	385
31	3,630	---	2,210	7,220	---	1,790	---	888	---	819	765	---
Total	67,665	39,950	77,015	64,524	72,380	97,670	46,470	35,446	126,496	71,516	48,221	18,504
Mean	2,183	1,332	2,484	2,081	2,585	3,151	1,549	1,143	4,217	2,307	1,556	617
Max	7,360	3,480	9,710	7,220	9,560	9,130	2,920	2,110	13,800	11,700	10,100	1,560
Min	738	713	723	546	1,060	1,700	1,040	518	812	353	435	371

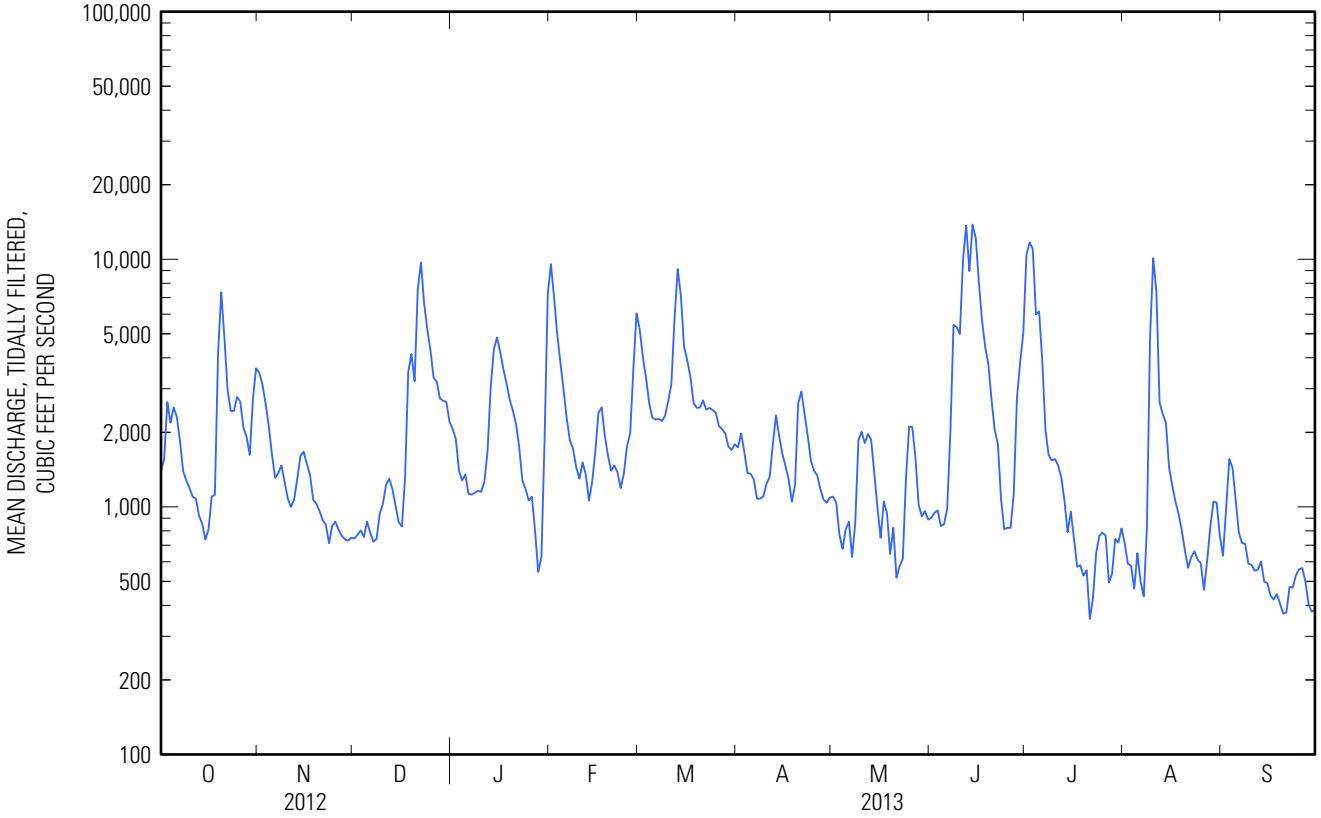
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2011 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3,204	2,118	3,536	2,297	2,039	4,350	2,278	2,346	2,570	1,284	2,561	4,029
Max	4,225	2,904	4,588	2,513	2,585	8,467	4,067	4,016	4,217	2,307	5,653	10,520
(WY)	(2012)	(2012)	(2012)	(2012)	(2013)	(2011)	(2011)	(2011)	(2013)	(2013)	(2011)	(2011)
Min	2,183	1,332	2,484	2,081	1,513	1,432	1,218	1,143	1,379	550	474	617
(WY)	(2013)	(2013)	(2013)	(2013)	(2012)	(2012)	(2012)	(2013)	(2012)	(2012)	(2012)	(2013)

01372007 RONDOUT CREEK AT RONDOUT, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 2011 - 2013	
Annual total	547,111		765,857			
Annual mean	1,495		2,098		2,036	
Highest annual mean					2,098	2013
Lowest annual mean					1,975	2012
Highest daily mean	9,710	Dec 22	13,800	Jun 14	39,000	Aug 29, 2011
Lowest daily mean	234	Jul 8	353	Jul 21	218	Jul 20, 2011
Annual seven-day minimum	275	Jul 2	419	Sep 16	275	Jul 2, 2012
10 percent exceeds	2,830		4,420		4,120	
50 percent exceeds	1,190		1,340		1,390	
90 percent exceeds	426		582		518	



01372007 RONDOUT CREEK AT RONDOUT, NY—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SEDIMENT DATA: 2011 (e), 2012 (c), 2013 (e).

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: March 2011 to current year.

REMARKS.--Point samples are collected using an automatic sampler with vinyl sample tubing. Tubing is housed in 2 inch flexible conduit between gage and left bank bulkhead and attached to bulkhead wall 8 ft above river bottom. A sampling method code of "SS Pumping" indicates suspended sediment sampling using a pumping mechanism. Turbidity data are collected every 6 minutes using an in situ turbidity probe located at the automatic sampler intake tubing. Daily suspended-sediment load and concentration are derived from a regression equation relating turbidity to suspended-sediment concentration. A negative load indicates the net movement of suspended sediment was upstream for that day.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 518 mg/L, Aug. 28, 2011; minimum daily mean, 3 mg/L, on several days in 2012-13.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 70,700 tons, Aug. 28, 2011; minimum daily, -7.5 tons, July 21, 2013.

EXTREMES FOR 2011 YEAR.--(March to September)
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 518 mg/L, Aug. 28; minimum daily mean, 4 mg/L, July 24.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 70,700 tons, Aug. 28; minimum daily, 2.1 tons, July 23.

EXTREMES FOR 2012 YEAR.--
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 92 mg/L, Dec. 8; minimum daily mean, 3 mg/L, on several days in February.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, about 3,180 tons, Dec. 8; minimum daily, -4.4 tons, July 1.

EXTREMES FOR CURRENT YEAR.--
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 138 mg/L, Feb. 1; minimum daily mean, 3 mg/L, on several days in November and December.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 4,640 tons, June 11; minimum daily, -7.5 tons, July 21.

01372007 RONDOUT CREEK AT RONDOUT, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

[mg/L, milligrams per liter]

Date	Sample start time	Sampling method (82398)	Suspended sediment concen-tration, mg/L (80154)
05-30-2013	**1140**	SS Pumping	12
05-31-2013	**1700**	SS Pumping	11
06-07-2013	**0300**	SS Pumping	13
06-08-2013	**1110**	SS Pumping	35
06-08-2013	**1740**	SS Pumping	54
06-09-2013	**0900**	SS Pumping	39
06-10-2013	**0030**	SS Pumping	24
06-11-2013	**0900**	SS Pumping	271
06-11-2013	**2135**	SS Pumping	109
06-12-2013	**0325**	SS Pumping	72
06-14-2013	**0600**	SS Pumping	107
06-14-2013	**0935**	SS Pumping	129
06-14-2013	**1405**	SS Pumping	113
06-15-2013	**1255**	SS Pumping	73
06-19-2013	**1720**	SS Pumping	29
06-22-2013	**2120**	SS Pumping	326
06-24-2013	**1420**	SS Pumping	17
06-28-2013	**0120**	SS Pumping	16
06-30-2013	**1505**	SS Pumping	29
08-16-2013	**0710**	SS Pumping	32
08-19-2013	**1710**	SS Pumping	13
09-05-2013	**1010**	SS Pumping	26
09-10-2013	**0710**	SS Pumping	16
09-23-2013	**2310**	SS Pumping	26

01372007 RONDOUT CREEK AT RONDOUT, NY—Continued

SUSPENDED SEDIMENT CONCENTRATION, WATER, UNFILTERED, ESTIMATED BY REGRESSION EQUATION, MILLIGRAMS PER LITER
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	---	---	---	---	---	---	---	---	---	---	29	679
2	---	---	---	---	---	---	---	---	---	---	28	597
3	---	---	---	---	---	---	---	---	---	---	21	343
4	---	---	---	---	---	---	---	---	---	---	13	188
5	---	---	---	---	---	---	---	---	---	---	16	195
6	---	---	---	---	---	---	---	---	---	---	29	768
7	---	---	---	---	---	---	---	---	---	---	179	12,500
8	---	---	---	---	---	---	---	---	---	---	119	6,530
9	---	---	---	---	---	---	---	---	---	---	67	2,390
10	---	---	---	---	---	---	---	---	---	---	51	1,610
11	---	---	---	---	---	---	---	---	---	---	195	16,400
12	---	---	---	---	---	---	---	---	---	---	117	7,720
13	---	---	---	---	---	---	---	---	---	---	58	2,290
14	---	---	---	---	---	---	---	---	---	---	47	1,430
15	---	---	---	---	---	---	---	---	---	---	39	991
16	---	---	---	---	---	---	---	---	---	---	32	757
17	---	---	---	---	---	---	---	---	---	---	30	674
18	---	---	---	---	---	---	---	---	---	---	26	452
19	---	---	---	---	---	---	---	---	---	---	24	320
20	---	---	---	---	---	---	---	---	---	---	20	216
21	---	---	---	---	---	---	---	---	---	---	16	156
22	---	---	---	---	---	---	---	---	---	---	14	157
23	---	---	---	---	---	---	---	---	---	---	13	137
24	---	---	---	---	---	---	---	---	---	---	11	107
25	---	---	---	---	---	---	---	---	---	---	9	91
26	---	---	---	---	---	---	---	---	---	---	9	73
27	---	---	---	---	---	---	---	---	---	---	8	57
28	---	---	---	---	---	---	---	---	---	---	7	44
29	---	---	---	---	---	---	---	---	---	---	7	39
30	---	---	---	---	---	---	---	---	---	---	6	33
31	---	---	---	---	---	---	---	---	---	---	7	35
Total	---	---	---	---	---	---	---	---	---	---	---	57,979

01372007 RONDOUT CREEK AT RONDOUT, NY—Continued

SUSPENDED SEDIMENT CONCENTRATION, WATER, UNFILTERED, ESTIMATED BY REGRESSION EQUATION, MILLIGRAMS PER LITER
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	7	40	15	142	7	32	12	55	6	12	60	2,050
2	7	44	13	100	7	33	10	35	5	5.1	42	1,240
3	7	46	11	75	e8	e24	8	36	6	7.7	29	719
4	8	41	11	90	e7	e21	23	274	6	8.3	18	371
5	9	55	13	138	e7	e20	12	103	6	8.1	20	391
6	8	52	12	97	e7	e18	8	35	6	7.3	99	3,830
7	8	50	9	e58	e7	e17	7	24	6	20	138	8,710
8	8	51	9	e58	e7	e16	7	20	10	64	173	15,200
9	8	46	8	46	e14	e15	7	24	13	99	136	11,800
10	8	40	8	40	7	17	7	31	22	190	70	4,010
11	7	30	8	27	9	18	7	20	15	75	40	1,660
12	7	35	8	23	8	13	7	14	11	37	32	1,160
13	9	66	8	18	8	20	7	10	10	27	26	780
14	10	106	9	24	8	18	7	15	9	24	21	522
15	13	106	9	e29	8	26	7	8.6	14	121	18	373
16	13	89	10	e94	7	22	6	9.0	76	2,420	17	299
17	74	2,560	33	664	7	19	5	5.6	51	1,220	13	164
18	66	1,650	35	800	7	42	6	7.5	30	466	10	84
19	46	831	100	4,500	6	33	5	7.5	22	246	9	61
20	33	591	62	2,160	7	23	5	2.5	18	183	8	49
21	27	415	33	734	7	20	5	3.4	22	162	8	45
22	20	229	23	419	7	23	5	5.7	14	76	10	63
23	17	208	22	350	14	285	5	2.1	12	52	12	131
24	22	356	20	292	65	1,770	4	3.2	10	34	29	563
25	19	231	16	195	38	753	6	3.7	9	39	31	482
26	17	185	13	112	23	304	6	11	11	39	20	211
27	22	268	11	82	16	136	5	7.1	9	39	14	123
28	25	383	8	59	12	87	5	8.9	518	70,700	93	3,860
29	42	781	7	39	13	104	5	7.2	445	56,200	199	10,900
30	22	283	10	59	15	108	5	12	125	7,430	100	5,100
31	---	---	10	63	---	---	5	13	76	2,970	---	---
Total	---	9,868	---	11,587	---	4,037	---	814.0	---	142,981.5	---	74,951

01372007 RONDOUT CREEK AT RONDOUT, NY—Continued

SUSPENDED SEDIMENT CONCENTRATION, WATER, UNFILTERED, ESTIMATED BY REGRESSION EQUATION, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

[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	49	1,740	9	81	15	e236	20	168	16	114	5	21
2	35	992	8	75	12	e134	14	107	11	81	5	25
3	30	724	7	67	12	e107	9	59	9	55	6	51
4	26	574	7	58	10	e88	7	32	8	44	11	110
5	24	484	6	47	8	e57	7	31	6	35	12	87
6	22	347	6	43	7	e54	5	23	5	26	9	53
7	19	245	6	36	8	e79	5	22	5	23	8	41
8	18	189	5	e28	92	e3,180	5	25	5	17	7	33
9	15	137	5	e25	72	e2,430	4	19	4	16	7	40
10	13	102	5	e24	45	e871	4	18	4	17	8	37
11	11	80	5	e23	29	e432	4	16	4	14	8	36
12	10	73	5	e21	21	e344	4	25	3	12	7	31
13	10	55	4	e15	16	e208	10	117	3	11	6	25
14	16	186	4	e14	13	e189	15	142	4	11	6	18
15	31	492	4	e14	8	e83	18	124	3	9.2	6	16
16	19	207	4	e14	8	68	20	64	3	7.7	6	24
17	13	113	5	e20	7	50	16	73	3	8.2	8	23
18	11	82	5	e20	6	40	13	69	3	9.4	7	18
19	9	67	4	e14	6	26	10	42	3	11	8	18
20	10	100	4	e13	5	26	9	37	3	11	8	14
21	14	136	5	e16	7	42	8	33	3	10	8	20
22	11	96	6	e18	5	36	7	21	3	8.6	9	20
23	10	78	49	e739	7	76	7	20	4	9.5	8	27
24	9	43	63	e1,370	14	143	7	42	4	15	9	22
25	9	44	51	e666	16	131	10	99	5	24	8	8.1
26	8	43	33	e304	13	94	13	110	5	26	7	21
27	8	39	22	e256	11	69	26	494	5	23	7	15
28	8	61	17	e154	39	789	53	997	5	22	6	9.1
29	9	74	13	e152	42	589	40	542	5	17	6	14
30	7	58	13	e219	42	427	32	327	---	---	6	11
31	8	84	---	---	31	268	21	170	---	---	6	13
Total	---	7,745	---	4,546	---	11,366	---	4,068	---	687.6	---	901.2

01372007 RONDOUT CREEK AT RONDOUT, NY—Continued

SUSPENDED SEDIMENT CONCENTRATION, WATER, UNFILTERED, ESTIMATED BY REGRESSION EQUATION, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

[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	5	11	11	26	16	69	13	-4.4	13	23	8	8.0
2	6	18	10	25	13	82	13	9.8	12	22	9	9.4
3	6	17	10	37	30	315	12	6.9	9	13	9	8.8
4	7	15	9	42	21	160	11	3.1	9	6.2	8	4.6
5	8	24	10	66	19	135	12	2.6	8	2.6	8	12
6	7	18	12	62	17	109	13	7.0	9	14	8	19
7	8	9.5	12	38	15	88	11	-1.8	9	5.5	9	34
8	7	12	11	40	15	70	12	5.0	9	5.3	8	15
9	8	9.8	14	128	15	67	11	8.9	8	3.8	9	15
10	8	14	15	109	14	46	10	2.2	8	13	8	16
11	8	12	13	59	11	27	9	7.8	9	9.8	10	14
12	8	9.0	11	53	12	28	8	3.1	7	7.4	10	12
13	8	11	9	24	16	124	7	5.5	9	12	9	9.8
14	8	3.6	8	22	19	127	7	1.9	8	5.0	9	12
15	8	8.4	10	70	13	61	7	-1.7	9	12	10	11
16	8	8.0	21	228	11	34	8	19	9	13	10	9.3
17	8	11	17	139	10	28	9	11	9	10	10	18
18	8	9.0	13	64	11	24	10	12	9	16	10	19
19	10	7.6	10	34	9	17	9	3.1	8	12	13	90
20	9	6.2	9	32	10	19	10	7.8	8	14	17	102
21	9	7.9	9	33	8	14	10	12	8	12	14	68
22	11	50	11	64	12	18	9	21	9	13	13	41
23	48	756	12	91	15	18	10	13	8	10	14	41
24	37	493	17	149	11	15	9	11	8	11	12	28
25	23	194	13	92	10	17	9	10	7	6.3	11	24
26	17	110	11	68	12	20	9	4.9	7	5.4	10	18
27	14	81	9	29	10	10	9	9.6	7	4.0	11	26
28	13	49	9	40	11	11	12	31	7	6.4	12	30
29	11	32	15	75	9	7.0	15	88	7	7.6	17	135
30	11	28	22	102	10	9.1	13	41	8	6.4	16	89
31	---	---	17	73	---	---	12	26	8	7.2	---	---
Total	---	2,035.0	---	2,114	---	1,769.1	---	376.3	---	308.9	---	938.9

	Total suspended sediment discharge (tons)
Year	36,856.0

01372007 RONDOUT CREEK AT RONDOUT, NY—Continued

SUSPENDED SEDIMENT CONCENTRATION, WATER, UNFILTERED, ESTIMATED BY REGRESSION EQUATION, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

[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	15	47	16	150	3	6.9	9	53	138	3,740	39	548
2	14	52	16	139	3	8.7	8	45	113	2,100	32	355
3	15	122	16	116	3	7.1	8	30	67	850	22	197
4	17	139	14	81	3	6.0	8	26	44	435	16	108
5	e15	e123	12	53	3	8.0	8	31	35	307	12	73
6	e14	e83	10	30	4	5.3	7	20	26	155	10	60
7	e13	e59	8	28	3	6.6	7	21	19	92	9	55
8	e12	e43	7	27	3	4.8	7	22	16	76	8	47
9	e11	e40	6	18	3	8.8	7	20	14	57	7	44
10	e10	e30	6	16	4	9.5	7	22	13	48	7	54
11	e9	e29	6	15	4	14	7	29	12	53	7	65
12	8	24	6	17	4	16	8	28	10	39	23	470
13	8	18	8	24	4	13	12	106	11	30	103	2,910
14	8	18	7	30	4	12	12	135	11	41	56	1,010
15	8	16	7	36	4	10	14	186	12	52	40	497
16	9	18	6	26	4	10	14	159	14	100	29	320
17	7	23	6	22	4	12	14	136	16	106	20	181
18	7	18	5	15	12	154	13	115	19	90	14	96
19	21	479	5	13	22	254	11	80	18	74	11	76
20	100	2,630	4	11	18	125	9	62	18	71	8	53
21	48	596	4	8.8	80	2,890	9	48	18	74	9	66
22	28	218	4	9.0	99	2,870	8	44	18	63	7	42
23	19	119	4	6.9	63	1,050	8	24	17	54	6	42
24	15	93	4	9.2	52	719	8	25	17	60	6	36
25	13	93	4	9.6	41	490	8	23	20	92	6	39
26	13	106	4	8.2	31	247	9	29	16	80	7	38
27	11	60	3	6.9	25	256	9	20	9	81	7	42
28	10	56	3	6.8	18	128	9	14	29	529	7	39
29	11	19	3	6.9	14	102	10	18	---	---	7	34
30	11	91	3	7.0	12	97	11	36	---	---	6	29
31	15	162	---	---	11	61	62	1,850	---	---	7	36
Total	---	5,624	---	946.3	---	9,601.7	---	3,457	---	9,549	---	7,662

01372007 RONDOUT CREEK AT RONDOUT, NY—Continued

SUSPENDED SEDIMENT CONCENTRATION, WATER, UNFILTERED, ESTIMATED BY REGRESSION EQUATION, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

[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	6	28	9	25	7	13	115	3,750	7	12	7	10
2	7	41	10	22	9	16	91	3,110	7	6.1	7	15
3	7	32	11	16	8	20	e49	e1,040	7	11	9	37
4	6	23	10	10	8	15	e27	e376	8	7.8	12	48
5	6	20	8	11	8	16	18	176	7	14	11	30
6	7	23	8	15	8	19	14	99	8	12	10	20
7	7	19	9	9.9	10	29	12	65	9	12	10	22
8	8	19	10	13	36	693	11	51	7	13	9	19
9	9	21	8	46	32	529	13	49	19	379	8	14
10	9	31	9	46	22	262	12	54	103	3,320	8	16
11	9	37	9	44	115	4,640	14	58	63	1,280	7	11
12	10	52	8	44	62	1,680	14	54	31	297	7	7.1
13	11	78	9	51	32	593	13	43	20	113	8	7.4
14	11	63	9	30	79	3,440	12	23	15	69	7	7.3
15	10	46	8	23	55	1,830	11	28	18	63	7	6.0
16	10	30	7	11	33	681	10	20	13	36	7	6.5
17	9	32	7	21	23	346	10	13	12	32	8	6.1
18	11	29	8	19	20	227	10	14	11	25	8	11
19	11	29	8	5.9	18	188	10	11	11	22	8	11
20	14	113	6	19	16	106	9	9.7	10	20	8	13
21	20	165	6	4.3	11	59	12	-7.5	10	20	8	11
22	16	100	6	8.6	9	49	13	14	9	19	8	13
23	13	65	7	3.1	10	19	13	12	9	21	7	10
24	11	47	9	27	12	31	10	19	9	16	7	9.7
25	9	35	12	75	11	18	11	19	8	12	7	8.8
26	11	42	11	60	12	7.3	12	23	8	9.7	6	8.5
27	10	29	10	46	11	13	10	11	9	13	6	7.2
28	11	29	9	25	10	91	11	9.0	8	9.9	6	5.8
29	10	32	9	25	21	221	8	16	7	18	6	5.5
30	11	34	9	22	20	199	9	13	7	18	6	4.6
31	---	---	7	15	---	---	7	15	7	12	---	---
Total	---	1,344	---	792.8	---	16,050.3	---	9,187.2	---	5,912.5	---	401.5

	Total suspended sediment discharge (tons)
Year	70,528.3