Water-Data Report 2013

01359528 NORMANS KILL AT ALBANY, NY

Upper Hudson Basin
Middle Hudson Subbasin

LOCATION.--Lat 42°38′00″, long 73°48′20″ referenced to North American Datum of 1983, Albany County, NY, Hydrologic Unit 02020006, on left bank 0.35 mi upstream from bridge on Normans Kill Road at Normansville, and 0.40 mi upstream from Delaware Avenue bridge, in Albany.

DRAINAGE AREA.--168 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Occasional low-flow and/or miscellaneous discharge measurements, water years 1949, 1952, 1954, 1959, 1962-65, 1985. Continuous record--1979-83, annual maximum only--1984, 1992-2012, July 2012 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 86.48 ft above NGVD of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,200 ft^3/s, Aug. 28, 2011, gage height, 14.15 ft; minimum discharge, 11 ft^3/s, Sept. 29, Oct. 9, 1980, Sept. 30, 1981.

EXTREMES FOR 2012 YEAR.--(July to September).--Peak discharges greater than base discharge of 2,200 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 18	2300	*961	*5.01

Minimum discharge, 20 ft^3/s, on several days in August and September, gage height, 2.78 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,200 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 20	0635	2,370	6.76
Dec 22	0220	2,220	6.60
May 23	0525	2,690	7.08
Jun 11	1810	3,040	7.43
Jun 14	0810	*3,930	*8.23

Minimum discharge, 19 ft^3/s, Aug. 21, gage height, 2.83 ft.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 01359528, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/01359528.2013.pdf

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DISCHARGE, 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	---	---	---	---	---	---	---	---	---	32	32	24
2	---	---	---	---	---	---	---	---	---	32	45	22
3	---	---	---	---	---	---	---	---	---	31	36	22
4	---	---	---	---	---	---	---	---	---	31	32	23
5	---	---	---	---	---	---	---	---	---	31	35	29
6	---	---	---	---	---	---	---	---	---	30	44	26
7	---	---	---	---	---	---	---	---	---	30	32	25
8	---	---	---	---	---	---	---	---	---	30	28	34
9	---	---	---	---	---	---	---	---	---	29	27	39
10	---	---	---	---	---	---	---	---	---	27	70	27
11	---	---	---	---	---	---	---	---	---	27	113	23
12	---	---	---	---	---	---	---	---	---	27	104	24
13	---	---	---	---	---	---	---	---	---	28	44	22
14	---	---	---	---	---	---	---	---	---	38	33	22
15	---	---	---	---	---	---	---	---	---	38	37	25
16	---	---	---	---	---	---	---	---	---	55	33	22
17	---	---	---	---	---	---	---	---	---	35	30	23
18	---	---	---	---	---	---	---	---	---	34	31	196
19	---	---	---	---	---	---	---	---	---	30	27	362
20	---	---	---	---	---	---	---	---	---	27	26	123
21	---	---	---	---	---	---	---	---	---	27	27	96
22	---	---	---	---	---	---	---	---	---	27	25	47
23	---	---	---	---	---	---	---	---	---	30	24	59
24	---	---	---	---	---	---	---	---	---	79	23	38
25	---	---	---	---	---	---	---	---	---	41	22	37
26	---	---	---	---	---	---	---	---	---	38	23	38
27	---	---	---	---	---	---	---	---	---	49	22	42
28	---	---	---	---	---	---	---	---	---	42	78	84
29	---	---	---	---	---	---	---	---	---	46	39	130
30	---	---	---	---	---	---	---	---	---	41	e31	131
31	---	---	---	---	---	---	---	---	---	35	e25	---
Total	---	---	---	---	---	---	---	---	---	1,097	1,198	1,815
Mean	---	---	---	---	---	---	---	---	---	35.4	38.6	60.5
Max	---	---	---	---	---	---	---	---	---	79	113	362
Min	---	---	---	---	---	---	---	---	---	27	22	22
Cfsm	---	---	---	---	---	---	---	---	---	0.21	0.23	0.36
In.	---	---	---	---	---	---	---	---	---	0.24	0.27	0.40

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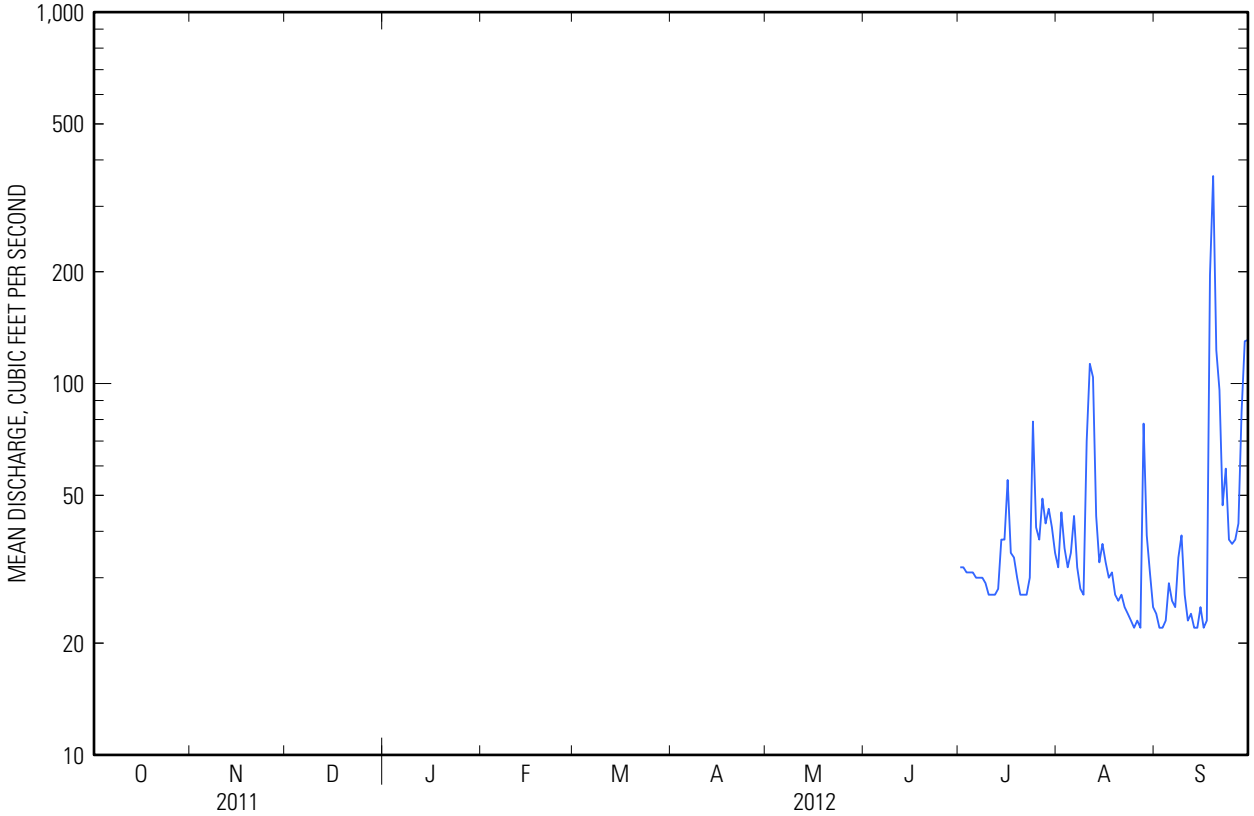

01359528 NORMANS KILL AT ALBANY, NY—Continued

DISCHARGE, 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	126	111	64	e150	e400	573	365	119	255	281	33	129
2	117	107	64	132	e220	401	369	118	221	259	33	55
3	103	98	75	e130	e190	283	277	115	215	153	30	51
4	57	89	76	e130	e150	231	243	114	190	138	30	39
5	56	81	82	137	e130	201	204	113	130	130	29	33
6	46	75	84	124	e110	192	173	106	129	126	27	30
7	42	72	84	124	e110	184	171	50	321	123	26	29
8	52	72	120	e130	e105	208	149	46	1,010	235	27	30
9	108	69	187	e120	e105	262	161	50	491	390	97	28
10	112	65	151	120	e100	293	261	44	317	200	117	33
11	105	64	168	122	e100	322	568	45	1,980	159	104	35
12	48	63	158	149	e110	622	590	48	1,650	128	101	106
13	38	133	133	285	e110	1,510	858	41	1,110	122	155	110
14	52	149	111	402	e115	699	466	39	2,930	119	99	60
15	51	132	110	567	e120	407	337	40	889	115	147	39
16	45	111	109	355	e120	317	276	44	507	110	102	36
17	40	98	119	284	e60	266	275	40	394	98	41	35
18	42	90	363	e230	e50	242	257	98	556	44	31	34
19	420	84	510	e200	e50	235	258	105	320	37	31	88
20	1,580	80	308	173	e50	216	830	104	227	34	29	98
21	536	76	798	167	e40	186	530	48	149	33	26	99
22	352	72	1,320	e120	42	184	322	262	136	33	26	121
23	286	72	482	e120	102	179	265	1,530	132	123	27	40
24	201	74	348	e120	116	164	256	431	153	52	24	33
25	173	72	287	e110	118	190	222	945	171	39	24	30
26	159	72	206	e110	119	195	152	1,250	156	36	28	29
27	66	73	171	e100	160	190	130	430	146	34	51	28
28	55	71	e160	e110	351	202	124	267	611	40	34	29
29	58	70	e150	e120	---	247	123	277	401	67	29	29
30	104	67	e150	e180	---	282	123	537	266	40	28	28
31	136	---	e140	e300	---	331	---	353	---	35	154	---
Total	5,366	2,562	7,288	5,621	3,553	10,014	9,335	7,809	16,163	3,533	1,740	1,564
Mean	173	85.4	235	181	127	323	311	252	539	114	56.1	52.1
Max	1,580	149	1,320	567	400	1,510	858	1,530	2,930	390	155	129
Min	38	63	64	100	40	164	123	39	129	33	24	28
Cfsm	1.03	0.51	1.40	1.08	0.76	1.92	1.85	1.50	3.21	0.68	0.33	0.31
In.	1.19	0.57	1.61	1.24	0.79	2.22	2.07	1.73	3.58	0.78	0.39	0.35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	65.9	85.2	115	93.6	246	501	421	136	213	61.2	32.8	35.6
Max	173	175	235	181	763	764	993	252	539	114	56.1	60.5
(WY)	(2013)	(1980)	(2013)	(2013)	(1981)	(1983)	(1983)	(2013)	(2013)	(2013)	(2013)	(2012)
Min	19.7	27.8	21.2	45.6	30.1	101	87.7	87.3	46.4	35.4	23.5	17.1
(WY)	(1983)	(1983)	(1983)	(1981)	(1980)	(1981)	(1981)	(1982)	(1981)	(2012)	(1980)	(1980)

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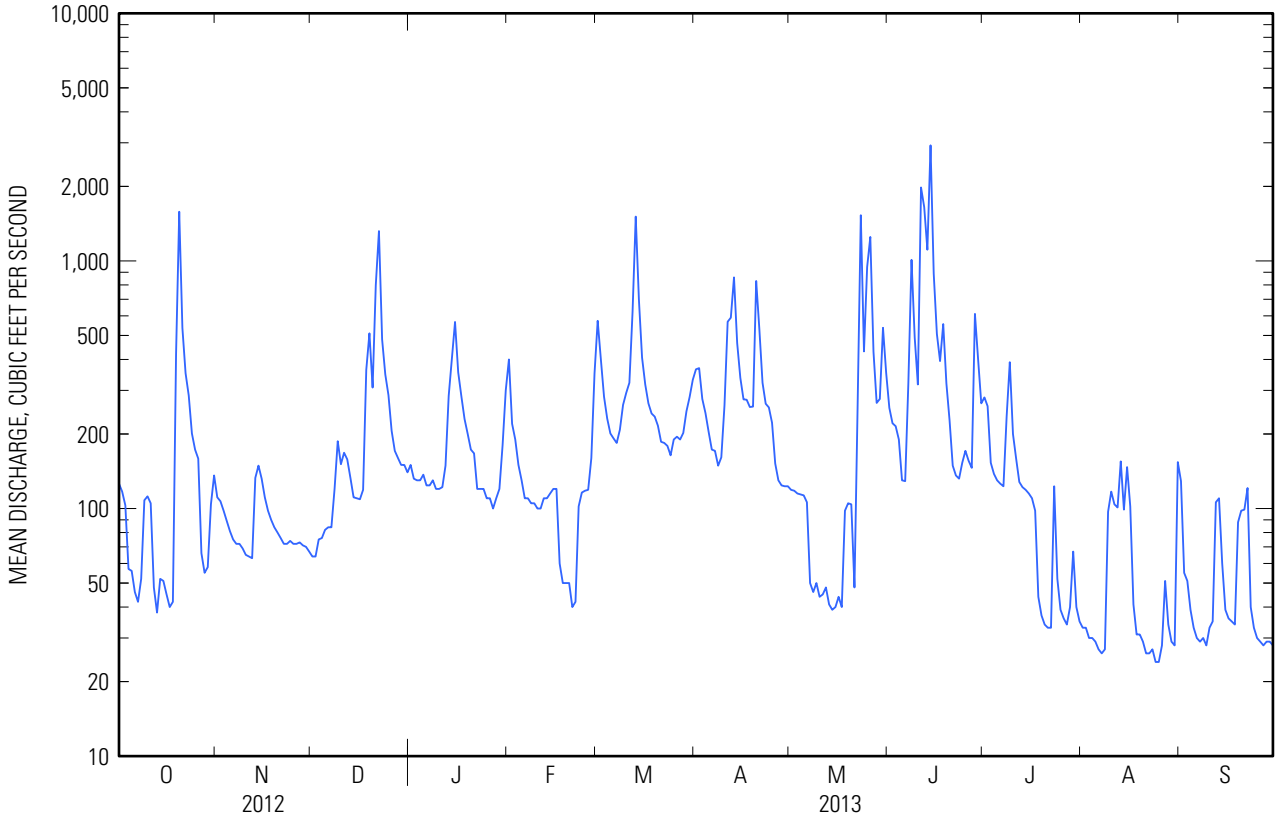
SUMMARY STATISTICS

	Water Year 2013		Water Years 1979 - 2013	
Annual total	74,548			
Annual mean	204		158	
Highest annual mean			204	2013
Lowest annual mean			112	1981
Highest daily mean	2,930	Jun 14	8,070	Mar 22, 1980
Lowest daily mean	24	Aug 24	12	Aug 24, 1980
Annual seven-day minimum	26	Aug 20	12	Aug 24, 1980
Annual runoff (cfsm)	1.22		0.940	
Annual runoff (inches)	16.51		12.77	
10 percent exceeds	401		360	
50 percent exceeds	120		66	
90 percent exceeds	34		22	



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WATER-QUALITY RECORDS

PERIOD OF RECORD.--
SEDIMENT DATA: 2011-13 (e).

PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT DISCHARGE: August to September 2011, July 2012 to current year.

REMARKS.--Point samples are collected using an automatic sampler with teflon-lined sample tubing. Tubing is housed in a 2 inch diameter galvanized steel pipe extending 40 ft from the left bank along the bedrock channel bottom. Sample tubing intake is 18 inches above channel bottom. A sampling method code of "SS Pumping" indicates suspended-sediment sampling using a pumping mechanism. Turbidity data are collected every 5 minutes (15 minutes during the 2012 water year) using an in situ turbidity probe located about 1,500 ft downstream. Beginning in the 2012 water year, daily suspended load and concentration derived from a regression equation relating turbidity to suspended-sediment concentration.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 2,280 mg/L, Aug. 28, 2011; minimum daily mean, 2 mg/L, July 19, 20, 22, 2012.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, about 42,300 tons, Aug. 28, 2011; minimum daily, 0.17 tons, Sept. 16, 17, 2012.

EXTREMES FOR 2012 YEAR.--(July to September)
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 390 mg/L, Sept. 19; minimum daily mean, 2 mg/L, July 19, 20, 22.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 597 tons, Sept. 19; minimum daily, 0.17 tons, Sept. 16, 17.

EXTREMES FOR CURRENT YEAR.--
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 963 mg/L, May 23; minimum daily mean, 3 mg/L, Nov. 27, 29, 30, Dec. 1, 2, Aug. 8.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 6,980 tons, June 14; minimum daily, 0.23 tons, Aug. 25.

01359528 NORMANS KILL AT ALBANY, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
Part 1 of 2
[mg/L, milligrams per liter]

Date	Sample start time	Sampling method (82398)	Suspended sediment concen-tration, mg/L (80154)
01-31-2013	**0810**	SS Pumping	948
01-31-2013	**1115**	SS Pumping	827
01-31-2013	**1420**	SS Pumping	599
01-31-2013	**1730**	SS Pumping	694
01-31-2013	**2030**	SS Pumping	432
03-13-2013	**1420**	SS Pumping	1,840
03-13-2013	**1840**	SS Pumping	283
03-14-2013	**0800**	SS Pumping	238
04-10-2013	**2015**	SS Pumping	275
04-12-2013	**1210**	SS Pumping	88
04-13-2013	**0630**	SS Pumping	204
04-19-2013	**2310**	SS Pumping	287
05-07-2013	**1340**	SS Pumping	582
05-08-2013	**1130**	SS Pumping	12
05-24-2013	**0600**	SS Pumping	313
05-24-2013	**1810**	SS Pumping	303
05-25-2013	**1830**	SS Pumping	504
05-26-2013	**0640**	SS Pumping	566
05-26-2013	**1245**	SS Pumping	332
05-26-2013	**1850**	SS Pumping	194
05-27-2013	**0700**	SS Pumping	89
05-27-2013	**1910**	SS Pumping	65
05-28-2013	**1930**	SS Pumping	46
05-30-2013	**1445**	SS Pumping	129
05-30-2013	**2010**	SS Pumping	82
06-01-2013	**1445**	SS Pumping	104
06-01-2013	**2050**	SS Pumping	45
06-02-2013	**0255**	SS Pumping	34
06-03-2013	**0315**	SS Pumping	37
06-05-2013	**0355**	SS Pumping	21
06-07-2013	**2330**	SS Pumping	72
06-08-2013	**0230**	SS Pumping	216
06-08-2013	**1150**	SS Pumping	263
06-09-2013	**0925**	SS Pumping	50
06-09-2013	**1840**	SS Pumping	34
06-10-2013	**2120**	SS Pumping	89
06-11-2013	**0630**	SS Pumping	1,330
06-11-2013	**1850**	SS Pumping	1,110
06-13-2013	**1400**	SS Pumping	1,630
06-13-2013	**1700**	SS Pumping	1,130

01359528 NORMANS KILL AT ALBANY, NY—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Part 2 of 2

[mg/L, milligrams per liter]

Date	Sample start time	Sampling method (82398)	Suspended sediment concen-tration, mg/L (80154)
06-13-2013	**2000**	SS Pumping	1,210
06-13-2013	**2310**	SS Pumping	983
06-14-2013	**0825**	SS Pumping	1,150
06-14-2013	**1435**	SS Pumping	763
06-14-2013	**2214**	SS Pumping	297
06-24-2013	**1900**	SS Pumping	808
09-12-2013	**1710**	SS Pumping	172
09-13-2013	**0759**	SS Pumping	117

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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	---	---	---	---	---	---	---	---	3	0.28	3	0.22
2	---	---	---	---	---	---	---	---	5	0.60	3	0.20
3	---	---	---	---	---	---	---	---	3	0.34	4	0.21
4	---	---	---	---	---	---	---	---	3	0.22	4	0.23
5	---	---	---	---	---	---	---	---	4	0.34	5	0.36
6	---	---	---	---	---	---	---	---	7	0.91	4	0.26
7	---	---	---	---	---	---	---	---	4	0.30	3	0.22
8	---	---	---	---	---	---	---	---	4	0.28	43	5.7
9	---	---	---	---	---	---	---	---	4	0.26	10	1.2
10	---	---	---	---	---	---	---	---	76	17	5	0.36
11	---	---	---	---	---	---	---	---	34	10	4	0.28
12	---	---	---	---	---	---	---	---	24	6.9	5	0.29
13	---	---	---	---	---	---	---	---	8	1.0	4	0.23
14	---	---	---	---	---	---	---	---	5	0.48	3	0.19
15	---	---	---	---	---	---	---	---	6	0.58	3	0.21
16	---	---	---	---	---	---	---	---	6	0.49	3	0.17
17	---	---	---	---	---	---	---	---	6	0.46	3	0.17
18	---	---	---	---	---	---	---	---	5	0.45	266	395
19	---	---	---	---	---	---	e2	e0.20	5	0.35	390	597
20	---	---	---	---	---	---	2	0.18	5	0.36	71	24
21	---	---	---	---	---	---	3	0.20	4	0.33	29	7.6
22	---	---	---	---	---	---	2	0.18	4	0.26	28	3.8
23	---	---	---	---	---	---	7	0.91	4	0.24	18	3.1
24	---	---	---	---	---	---	23	5.0	3	0.19	12	1.3
25	---	---	---	---	---	---	6	0.68	3	0.19	8	0.83
26	---	---	---	---	---	---	4	0.46	3	0.19	7	0.70
27	---	---	---	---	---	---	7	0.92	3	0.18	8	0.87
28	---	---	---	---	---	---	5	0.59	32	7.0	32	7.7
29	---	---	---	---	---	---	5	0.65	8	0.86	29	10
30	---	---	---	---	---	---	5	0.51	7	0.52	29	10
31	---	---	---	---	---	---	4	0.35	4	0.31	---	---
Total	---	---	---	---	---	---	---	---	---	51.87	---	1,072.40

01359528 NORMANS KILL AT ALBANY, 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	25	8.5	13	3.8	3	0.53	19	e7.7	162	e211	178	290
2	17	5.4	11	3.3	3	0.54	e18	e6.5	e49	e29	53	59
3	14	3.9	8	2.2	4	0.75	e21	e7.3	e36	e19	37	28
4	12	1.8	7	1.7	4	0.86	e17	e6.1	e24	e10	28	18
5	9	1.4	6	1.3	5	1.1	e14	e5.1	e20	e7.0	23	12
6	7	0.85	5	1.1	5	1.1	e14	e4.6	e16	e4.8	21	11
7	6	0.71	5	0.92	4	0.98	e12	e4.2	e18	e5.6	18	9.1
8	7	1.0	5	0.87	13	4.6	e14	e4.9	e16	e4.6	23	13
9	12	3.6	4	0.78	16	8.2	e12	e3.8	e15	e4.5	45	32
10	13	4.1	4	0.77	15	6.1	10	3.4	e22	e6.2	63	51
11	12	3.5	5	0.80	13	6.1	10	3.4	e16	e4.4	80	71
12	7	0.95	5	0.78	8	3.5	29	12	16	e4.7	676	1,850
13	5	0.54	113	40	6	2.1	53	42	18	e5.5	590	2,730
14	7	1.0	26	10	5	1.6	59	65	18	e5.6	171	334
15	11	1.5	10	3.7	5	1.5	78	126	35	e11	86	97
16	7	0.86	6	1.8	5	1.5	32	31	27	e8.7	61	52
17	5	0.57	5	1.2	5	1.7	26	20	e12	e2.0	47	34
18	5	0.55	4	1.0	134	128	e22	e14	e9	e1.3	40	26
19	369	744	4	0.87	55	84	e20	e11	e7	e1.0	39	25
20	650	3,360	4	0.83	23	19	16	7.4	e6	e0.84	35	20
21	113	170	4	0.91	419	1,340	15	7.0	e5	e0.57	31	16
22	68	65	7	1.5	304	1,330	e14	e4.8	e4	e0.52	24	12
23	50	39	4	0.75	102	135	e16	e5.4	7	2.1	22	11
24	35	19	4	0.79	68	64	e14	e4.7	12	3.7	24	11
25	25	12	4	0.72	52	40	e13	e3.7	13	4.2	25	13
26	21	9.1	4	0.73	36	20	e12	e3.7	13	4.3	23	12
27	10	1.8	3	0.69	e26	e12	12	e3.3	42	23	20	10
28	8	1.1	4	0.70	e26	e14	11	e3.3	240	238	18	10
29	8	1.2	3	0.64	21	e7.8	13	e4.2	---	---	23	15
30	14	4.0	3	0.56	e23	e11	50	e25	---	---	26	20
31	16	5.9	---	---	e20	e7.4	489	e415	---	---	30	27
Total	---	4,472.83	---	85.71	---	3,254.96	---	865.5	---	623.13	---	5,919.1

01359528 NORMANS KILL AT ALBANY, 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	33	33	9	3.0	46	32	58	44	5	0.45	170	66
2	36	36	9	2.9	60	35	55	40	5	0.45	62	9.7
3	27	20	9	2.8	32	18	28	12	4	0.34	23	3.3
4	25	16	8	2.6	23	12	24	8.8	4	0.34	13	1.3
5	21	12	9	2.8	15	5.1	21	7.3	4	0.29	10	0.86
6	17	8.0	8	2.4	19	7.1	20	6.8	4	0.26	9	0.72
7	15	7.0	4	0.62	76	68	21	7.0	4	0.25	8	0.62
8	13	5.2	4	0.58	248	705	55	46	3	0.24	7	0.59
9	12	5.5	4	0.60	60	85	420	621	61	18	6	0.46
10	39	28	5	0.54	63	60	166	107	35	11	6	0.55
11	74	119	6	0.73	882	4,600	73	32	18	5.2	7	0.66
12	153	271	7	0.90	410	2,170	32	11	16	4.4	93	45
13	146	367	6	0.69	621	2,580	25	8.4	94	46	96	29
14	50	64	6	0.64	808	6,980	23	7.3	47	14	35	5.9
15	33	30	6	0.70	232	583	19	6.0	47	19	27	2.8
16	28	21	6	0.76	103	144	16	4.8	20	5.6	18	1.7
17	27	20	6	0.61	71	76	14	3.7	9	1.1	12	1.1
18	23	16	20	5.3	106	167	6	0.74	6	0.49	9	0.84
19	74	59	15	4.3	42	36	4	0.41	6	0.49	18	4.5
20	327	733	14	3.9	28	17	4	0.36	5	0.37	20	5.2
21	76	117	10	1.3	19	7.8	4	0.36	4	0.27	19	5.1
22	42	37	179	176	15	5.5	4	0.35	4	0.26	43	15
23	32	23	963	4,750	13	4.6	94	35	4	0.26	12	1.3
24	29	20	321	379	130	74	21	3.0	4	0.24	8	0.67
25	25	15	414	1,160	97	47	11	1.2	4	0.23	7	0.55
26	17	7.0	347	1,340	78	35	8	0.77	5	0.36	6	0.46
27	12	4.3	104	125	39	16	7	0.60	10	1.3	5	0.41
28	10	3.5	61	44	566	990	8	0.93	6	0.60	5	0.37
29	10	3.3	95	72	262	363	12	2.4	5	0.38	5	0.39
30	10	3.3	120	187	56	39	7	0.79	5	0.36	4	0.34
31	---	---	56	55	---	---	5	0.52	105	121	---	---
Total	---	2,104.1	---	8,326.67	---	19,962.1	---	1,020.53	---	253.53	---	205.39

	Total suspended sediment discharge (tons)
Year	47,093.55