01364959 RONDOUT CREEK ABOVE RED BROOK AT PEEKAMOOSE, NY

Upper Hudson Basin
Rondout Subbasin

LOCATION.--Lat 41°56′13″, long 74°22′30″ referenced to North American Datum of 1927, Ulster County, NY, Hydrologic Unit 02020007, 500 ft upstream from mouth of Red Brook, 0.8 mi upstream from outlet of Peekamoose Lake, and 0.8 mi north of Peekamoose.

DRAINAGE AREA.--5.36 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.-- Occasional discharge measurements, water years 1984-86, 1988-94. May 1996 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 1,740 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except those for estimated daily discharges and those above 400 ft^3/s, which are poor. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,340 ft^3/s, July 23, 2004, gage height, 4.91 ft, outside gage height was 5.61 ft, from crest-stage gage, from rating curve extended above 250 ft^3/s on basis of runoff comparison of peak flow with nearby stations; minimum discharge, 1.3 ft^3/s, part or all of several days during September 2001 and 2002; minimum gage height, 0.38 ft, Aug. 11, 1997, Sept. 12, 13, 18, 19, 20, 2001.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 220 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 28	1010	399	3.25
Nov 8	1805	273	2.82
Nov 16	2030	297	2.91
Apr 16	0655	a*513	b*3.56

a From rating curve extended as explained above.

b Recorded; outside gage height was 3.82 ft, from crest-stage gage.

Minimum discharge, 2.7 ft^3/s, July 22; minimum gage height, 0.55 ft, July 22, Sept. 26.

01364959 RONDOUT CREEK ABOVE RED BROOK AT PEEKAMOOSE, NY—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	35	29	24	25	9.6	3.4	32	22	6.4	4.0	5.6	6.5
2	21	35	22	20	9.4	16	36	22	6.5	3.8	5.3	6.0
3	17	27	17	17	8.9	7.6	35	19	7.9	3.7	5.0	5.6
4	16	24	16	17	8.3	4.9	38	18	32	8.2	4.7	5.4
5	15	22	16	18	e7.7	4.3	33	17	14	9.2	4.5	5.2
6	14	20	15	58	e7.3	4.7	26	16	9.6	5.5	4.7	5.0
7	14	19	14	31	e6.9	e4.3	23	15	8.9	4.2	4.6	4.9
8	13	89	13	82	e6.5	e4.0	21	14	8.5	3.8	10	4.8
9	13	70	13	46	6.2	e3.8	19	14	8.1	4.0	5.2	4.8
10	12	39	12	34	5.8	4.2	18	14	8.1	3.6	42	4.9
11	15	32	12	28	5.4	7.1	16	17	7.8	11	18	9.1
12	30	28	11	26	5.3	5.3	17	13	8.3	6.3	13	5.4
13	17	27	14	24	5.0	6.9	16	12	7.5	3.8	11	4.6
14	15	33	12	27	8.6	27	16	12	7.1	3.5	10	4.5
15	15	26	11	44	5.2	65	60	11	6.7	4.2	9.5	6.0
16	14	73	10	40	4.8	e35	315	11	8.5	3.6	10	4.5
17	34	93	9.8	28	4.5	e24	91	10	7.1	3.2	10	4.3
18	65	46	9.4	26	4.4	18	59	10	6.3	5.1	8.6	4.2
19	33	37	8.9	25	4.2	15	53	11	6.7	4.4	8.1	4.0
20	104	31	8.6	22	4.2	14	49	11	7.9	3.8	8.2	3.9
21	52	27	8.3	20	4.1	13	46	9.6	5.9	3.3	11	3.8
22	37	25	9.4	18	4.0	20	42	9.0	5.6	3.0	9.4	3.8
23	31	28	27	17	3.8	32	40	8.8	5.3	15	8.5	3.6
24	27	24	15	16	3.7	28	37	8.3	5.0	20	7.8	3.4
25	24	21	13	15	3.5	36	35	7.9	4.8	7.1	7.3	3.3
26	21	19	23	e14	3.5	35	32	7.4	4.6	5.5	6.9	3.2
27	20	18	19	e13	3.5	88	36	7.2	4.7	7.2	6.5	4.9
28	168	17	16	12	3.4	83	30	7.0	4.6	11	6.3	4.0
29	64	16	16	11	---	52	27	6.5	4.2	7.3	6.0	3.3
30	40	15	15	11	---	41	24	6.2	4.0	6.8	10	3.2
31	33	---	14	10	---	36	---	6.4	---	6.1	9.0	---
Total	1,029	1,010	444.4	795	157.7	738.5	1,322	373.3	232.6	191.2	286.7	140.1
Mean	33.2	33.7	14.3	25.6	5.63	23.8	44.1	12.0	7.75	6.17	9.25	4.67
Max	168	93	27	82	9.6	88	315	22	32	20	42	9.1
Min	12	15	8.3	10	3.4	3.4	16	6.2	4.0	3.0	4.5	3.2
Cfsm	6.19	6.28	2.67	4.78	1.05	4.44	8.22	2.25	1.45	1.15	1.73	0.87
In.	7.14	7.01	3.08	5.52	1.09	5.13	9.18	2.59	1.61	1.33	1.99	0.97

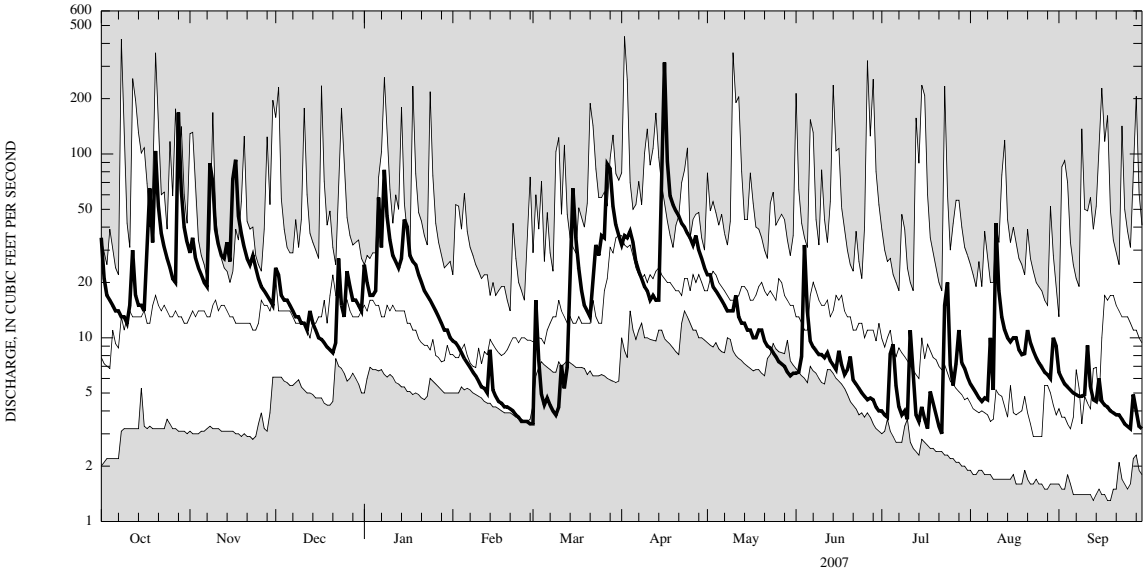
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	22.5	19.6	20.2	19.6	11.0	21.9	30.4	21.7	19.3	12.8	8.57	15.6
Max	58.5	33.7	42.5	37.5	21.1	39.7	55.1	43.6	44.9	31.6	26.6	40.6
(WY)	(2006)	(2007)	(1997)	(2006)	(2006)	(2003)	(2005)	(1998)	(2006)	(2000)	(2004)	(2003)
Min	3.23	3.46	5.90	6.23	4.46	7.27	16.4	12.0	6.47	3.08	1.97	2.37
(WY)	(2002)	(2002)	(1999)	(2002)	(2004)	(2006)	(2006)	(2007)	(1997)	(1997)	(2002)	(1998)

01364959 RONDOUT CREEK ABOVE RED BROOK AT PEEKAMOOSE, NY—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1996 - 2007	
Annual total	8,667.6		6,720.5			
Annual mean	23.7		18.4		18.4	
Highest annual mean					25.5	2006
Lowest annual mean					9.51	2002
Highest daily mean	322	Jun 26	315	Apr 16	436	Apr 2, 2005
Lowest daily mean	2.5	Aug 18	3.0	Jul 22	1.3	Sep 18, 2001
Annual seven-day minimum	2.7	Aug 12	3.5	Feb 23	1.4	Sep 7, 2002
Annual runoff (cfsm)	4.43		3.44		3.44	
Annual runoff (inches)	60.16		46.64		46.75	
10 percent exceeds	43		36		34	
50 percent exceeds	16		11		12	
90 percent exceeds	6.2		4.2		3.4	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.
SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.