



Water-Data Report 2007

01384500 RINGWOOD CREEK NEAR WANAQUE, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 41°07'38", long 74°15'57" referenced to North American Datum of 1983, Ringwood Borough, Passaic County, NJ, Hydrologic Unit 02030103, on right bank 500 ft upstream from Wanaque Reservoir, 0.7 mi downstream from Ringwood Mill Pond dam, and 6.5 mi north of Wanaque.

DRAINAGE AREA.--19.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1934 to September 1978, October 1985 to current year. Monthly discharge only for some periods, published in WSP 1302.

REVISED RECORDS.--WSP 781: 1904(M). WSP 1031: 1938, 1940. WSP 1552: 1923(M), 1924, 1925-26(M), 1927-28, 1933, 1937. WDR NJ-1971: 1968(M). WDR NJ-82-1: Drainage area. WDR NJ-87-1: 1986. WDR NJ-82-1: 1935-77(P).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 292.67 ft above NGVD of 1929 (levels by New Jersey Geological Survey). Prior to Sept. 30, 1978, at datum 10.0 ft higher.

REMARKS.--Records fair, except for estimated daily discharges, which are poor. Records given herein include flow over spillway and through ports in dam when open or through waste gate in dam. No flow through ports this year. Currently there is leakage through the waste gate and it is included in flow. Flow slightly regulated by Ringwood Mill Pond, Sterling, and Sterling Forest Lakes, and several smaller lakes above station. Several measurements of water temperature were made during the year. Satellite gage-height telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 230 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 28	1200	315	11.75
Nov 8	1845	569	12.28
Mar 2	1030	245	11.57
Apr 16	0015	*1,110	*13.16

01384500 RINGWOOD CREEK NEAR WANAQUE, NJ—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	16	72	53	55	18	12	54	51	8.4	2.6	2.1	1.7
2	15	80	58	51	18	135	54	50	7.3	2.3	1.9	1.7
3	12	68	48	43	18	89	49	45	7.3	2.3	1.6	1.0
4	11	57	43	41	16	67	61	40	13	2.7	1.6	0.95
5	15	51	38	41	e17	55	66	36	17	3.9	1.2	0.68
6	11	47	36	41	e15	e47	55	33	13	3.5	1.2	0.60
7	9.0	43	34	38	e13	e40	50	30	10	2.8	1.2	0.56
8	8.2	221	31	78	e13	e38	44	27	9.4	2.3	20	0.53
9	7.7	292	28	69	12	e32	41	25	8.7	2.1	9.0	0.71
10	7.5	169	27	58	11	31	38	24	8.0	1.7	14	3.6
11	12	131	27	52	11	37	34	22	7.6	1.6	14	2.1
12	51	109	26	49	11	37	58	20	6.3	1.7	8.2	1.6
13	25	93	25	49	11	37	63	18	5.6	1.3	6.5	1.2
14	18	88	25	50	e10	39	53	16	5.1	1.0	4.5	1.0
15	14	75	25	54	e12	46	289	15	4.7	0.85	3.6	1.2
16	13	76	23	51	e12	51	e740	15	4.3	0.65	2.8	0.92
17	16	113	22	43	e11	53	e410	17	4.1	0.48	2.6	0.77
18	37	85	21	39	e10	49	e255	17	3.7	3.6	3.5	0.56
19	29	73	19	39	e10	43	e185	19	3.2	5.2	1.9	0.62
20	36	65	19	36	e10	46	e160	18	3.8	3.8	1.9	0.37
21	40	58	18	32	12	48	126	16	3.8	2.4	7.8	0.33
22	34	53	19	31	13	56	100	14	3.8	2.2	9.1	0.72
23	31	86	44	30	14	103	82	13	3.3	14	7.2	0.57
24	28	98	35	28	13	119	69	12	2.7	12	5.8	0.35
25	25	77	30	27	11	133	61	12	2.9	7.2	4.7	0.36
26	23	68	36	23	12	111	60	11	2.8	4.8	4.0	0.17
27	22	63	33	23	11	100	90	10	2.6	3.5	3.4	0.23
28	191	57	31	22	12	89	78	9.5	3.8	4.0	2.7	0.21
29	145	53	29	21	---	77	66	9.7	3.8	3.2	2.0	0.13
30	99	49	27	20	---	67	58	9.2	2.9	2.9	1.8	0.26
31	82	---	27	19	---	60	---	8.5	---	2.3	3.2	---
Total	1,083.4	2,670	957	1,253	357	1,947	3,549	662.9	182.9	104.88	155.0	25.70
Mean	34.9	89.0	30.9	40.4	12.8	62.8	118	21.4	6.10	3.38	5.00	0.86
Max	191	292	58	78	18	135	740	51	17	14	20	3.6
Min	7.5	43	18	19	10	12	34	8.5	2.6	0.48	1.2	0.13
Cfsm	1.83	4.66	1.62	2.12	0.67	3.29	6.19	1.12	0.32	0.18	0.26	0.04
In.	2.11	5.20	1.86	2.44	0.70	3.79	6.91	1.29	0.36	0.20	0.30	0.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	18.8	33.2	44.1	42.6	40.0	65.3	58.8	38.4	23.9	13.8	12.7	12.8
Max	149	89.0	131	149	109	157	123	131	121	86.1	107	62.4
(WY)	(2006)	(2007)	(2004)	(1979)	(1970)	(1936)	(1940)	(1989)	(1972)	(1945)	(1955)	(1999)
Min	1.07	1.42	2.71	2.82	3.93	14.1	18.3	10.9	3.78	1.31	0.70	0.28
(WY)	(1945)	(2002)	(1999)	(2002)	(2002)	(2002)	(1966)	(1941)	(1957)	(1966)	(1966)	(1964)

01384500 RINGWOOD CREEK NEAR WANAQUE, NJ—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1935 - 2007	
Annual total	14,358.50		12,947.78			
Annual mean	39.3		35.5		33.6	
Highest annual mean					54.4	1952
Lowest annual mean					11.8	2002
Highest daily mean	323	Jan 18	^a 740	Apr 16	827	Oct 13, 2005
Lowest daily mean	0.90	Aug 24	0.13	Sep 29	0.00	Sep 11, 1963
Annual seven-day minimum	1.6	Aug 18	0.24	Sep 24	0.16	Sep 5, 1944
Maximum peak flow			1,110	Apr 16	2,300	Sep 16, 1999
Maximum peak stage			13.16	Apr 16	13.92	Sep 16, 1999
Instantaneous low flow			0.01	Sep 29, 30	0.00	Many days
Annual runoff (cfsm)	2.06		1.86		1.76	
Annual runoff (inches)	27.97		25.22		23.94	
10 percent exceeds	84		77		76	
50 percent exceeds	25		18		21	
90 percent exceeds	8.1		1.6		2.1	

^a Estimated.

