



Water-Data Report 2006

01391000 HOHOKUS BROOK AT HO-HO-KUS, NJ

PASSAIC RIVER BASIN

LOCATION.--Lat 40°59'52", long 74°06'43" referenced to North American Datum of 1983, Ho-Ho-Kus Borough, Bergen County, NJ, Hydrologic Unit 02030103, on left bank 500 ft upstream from bridge on Maple Avenue in Ho-Ho-Kus, and 3.5 mi upstream from mouth.

DRAINAGE AREA.--16.4 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Water years 1954-73 (operated as continuous-record gaging station), 1977-96 (operated as continuous-record gaging station), 1997 to 2005 (operated as crest-stage gage), 2006.

REVISED RECORDS.--WDR NJ-77-1: 1955(M), 1968(M), 1976(M). WDR NJ-95-1: 1984-94(P).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 120.09 ft above NGVD of 1929.

REMARKS.--Records fair. Some regulation and diurnal fluctuation at low and medium flows caused by unknown sources, possibly sewage treatment plant upstream of gage. Several measurements of water temperature were made during the year. Satellite stage telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 450 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 08	2315	*2,240	*4.20
Oct 12	2000	2,010	3.94
Oct 13	1330	538	2.74
Oct 14	1930	508	2.71
Dec 16	0800	1,210	3.26
Jan 18	1345	499	2.70
May 12	0415	1,360	3.38
Jun 24	1245	538	2.74
Jun 28	0830	1,550	3.53
Jul 22	1845	508	2.71
Aug 27	1945	579	2.78
Sep 03	0115	480	2.68

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16	40	66	38	42	27	23	24	24	44	22	28
2	16	38	52	45	39	28	23	24	67	37	21	104
3	16	37	45	189	82	29	24	24	130	35	23	193
4	16	36	45	95	69	27	47	23	59	32	23	52
5	16	35	41	68	84	27	26	23	39	54	21	39
6	16	35	39	61	50	27	23	22	31	54	20	42
7	18	37	37	50	42	26	22	21	102	37	21	35
8	516	34	36	44	39	26	52	20	90	32	21	31
9	585	35	40	42	37	26	48	20	58	29	19	29
10	66	41	38	39	35	28	31	20	58	37	25	27
11	44	34	38	54	35	27	29	21	37	32	23	26
12	864	31	37	103	39	31	28	381	31	33	20	25
13	501	31	35	53	36	31	27	60	29	41	18	25
14	321	31	33	98	33	28	29	38	29	30	18	45
15	178	31	33	104	36	25	36	36	29	27	30	113
16	87	51	439	56	42	24	30	50	26	26	22	85
17	66	97	102	46	55	24	26	40	24	26	20	42
18	54	47	57	241	46	24	24	35	23	25	19	34
19	51	39	45	105	35	24	23	47	24	25	18	31
20	47	35	41	67	33	24	24	36	23	24	18	30
21	44	36	36	58	32	23	22	29	22	30	18	27
22	50	101	33	50	31	24	32	26	21	59	17	26
23	86	69	33	89	31	25	151	25	23	32	18	25
24	56	49	32	73	30	23	61	24	159	26	17	26
25	164	41	52	60	29	23	39	24	71	24	28	25
26	87	37	109	50	28	23	32	23	44	24	27	24
27	59	36	53	43	27	23	29	23	35	23	105	23
28	51	36	41	42	27	22	26	21	462	37	149	23
29	48	39	56	45	---	22	24	21	85	30	89	36
30	44	184	52	51	---	22	24	21	53	23	66	26
31	41	---	39	45	---	22	---	20	---	22	35	---
Total	4,224	1,423	1,835	2,204	1,144	785	1,035	1,222	1,908	1,010	991	1,297
Mean	136	47.4	59.2	71.1	40.9	25.3	34.5	39.4	63.6	32.6	32.0	43.2
Max	864	184	439	241	84	31	151	381	462	59	149	193
Min	16	31	32	38	27	22	22	20	21	22	17	23
Cfsm	8.31	2.89	3.61	4.34	2.49	1.54	2.10	2.40	3.88	1.99	1.95	2.64
In.	9.58	3.23	4.16	5.00	2.59	1.78	2.35	2.77	4.33	2.29	2.25	2.94

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	28.2	36.3	36.7	36.5	41.3	50.7	53.5	40.5	31.1	25.8	25.0	23.4
Max	136	102	91.7	85.9	90.0	93.4	130	108	101	85.5	84.9	96.5
(WY)	(2006)	(1978)	(1984)	(1996)	(1973)	(1994)	(1983)	(1989)	(1972)	(1984)	(1955)	(1971)
Min	6.21	7.10	12.3	9.07	15.3	20.8	19.4	13.9	7.58	3.91	5.17	5.78
(WY)	(1965)	(1965)	(1981)	(1981)	(1980)	(1981)	(1985)	(1955)	(1965)	(1966)	(1966)	(1964)

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SUMMARY STATISTICS

	Water Year 2006		Water Years 1955 - 2006	
Annual total	19,078			
Annual mean	52.3		35.5	
Highest annual mean			61.3	1984
Lowest annual mean			16.1	1965
Highest daily mean	864	Oct 12	1,220	Nov 8, 1977
Lowest daily mean	16	Oct 1 - 6	2.5	Jul 13, 1966
Annual seven-day minimum	16	Oct 1	2.8	Aug 2, 1966
Maximum peak flow	2,240	Oct 8	4,670	Sep 16, 1999
Maximum peak stage	4.20	Oct 8	7.32	Sep 16, 1999
Instantaneous low flow	10	Oct 2, 3	1.9	Aug 2, 1966
Annual runoff (cfsm)	3.19		2.17	
Annual runoff (inches)	43.27		29.44	
10 percent exceeds	86		64	
50 percent exceeds	34		25	
90 percent exceeds	22		10	

