

MULLICA RIVER BASIN

01410000 OSWEGO RIVER AT HARRISVILLE, NJ

LOCATION.--Lat 39°39'48", long 74°31'25", Burlington County, Hydrologic Unit 02040301, on right bank 50 ft downstream from bridge on County Route 679 at Harrisville, and 0.3 mi upstream from confluence with West Branch Wading River.

DRAINAGE AREA.--72.5 mi².

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for some periods, published in WSP 1302. Prior to October 1955, published as "East Branch Wading River at Harrisville".

REVISED RECORDS.--WDR NJ-83-1: Drainage area.

GAGE.--Water-stage recorder. Concrete control since June 23, 1939. Datum of gage is 4.62 ft above NGVD of 1929.

REMARKS.--Records good, except estimated daily discharges which are fair. Figures given herein represent flow over main spillway and through bypass channel. Flow regulated by Harrisville Pond, 200 ft above station, capacity, about 30,000,000 gal and by ponds and cranberry bogs 5 to 10 mi upstream. Flow probably reduced by ground-water outflow to nearby surface drainage basins, such as Oyster Creek. Several measurements of water temperature were made during the year. Satellite gage-height telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	38	71	61	58	80	105	99	58	65	42	35
2	51	36	73	61	57	80	134	101	56	68	40	34
3	51	34	71	57	57	77	199	95	60	60	38	32
4	51	39	66	57	60	75	202	88	76	54	38	30
5	51	60	61	63	63	72	159	82	75	51	45	28
6	42	56	61	72	65	71	121	78	69	52	50	27
7	39	49	64	71	69	72	131	81	75	53	45	27
8	36	44	71	72	72	87	219	83	71	77	50	27
9	33	42	70	73	75	91	251	78	66	93	63	28
10	31	38	83	70	81	86	176	77	62	82	70	28
11	29	35	84	68	82	84	142	82	58	70	62	27
12	29	42	83	69	79	87	117	81	53	60	52	27
13	28	71	78	74	75	86	102	73	51	60	46	23
14	35	67	75	97	77	82	94	64	47	84	40	32
15	35	58	68	114	107	79	89	59	44	83	41	51
16	34	54	64	102	110	75	84	57	42	77	41	40
17	31	53	61	90	102	72	79	82	42	68	42	31
18	29	51	60	80	92	70	75	76	40	62	39	27
19	57	50	58	74	85	67	73	58	38	86	38	24
20	68	49	55	73	80	66	71	68	37	102	39	23
21	68	49	52	72	82	69	69	88	36	92	39	23
22	71	47	51	70	84	67	65	81	37	78	36	22
23	65	47	51	e71	84	86	64	71	37	64	34	22
24	57	47	e76	e69	81	110	74	65	37	54	35	21
25	52	52	e76	65	80	105	67	72	35	49	33	20
26	48	45	e70	65	77	95	64	86	34	48	32	21
27	46	44	67	64	75	89	71	85	53	45	32	23
28	44	68	64	61	75	114	75	75	75	41	32	21
29	43	83	61	61	---	141	76	68	70	41	35	22
30	43	71	60	61	---	142	80	63	68	43	36	21
31	40	---	59	60	---	118	---	60	---	43	37	---
TOTAL	1,389	1,519	2,064	2,217	2,184	2,695	3,328	2,376	1,602	2,005	1,302	817
MEAN	44.8	50.6	66.6	71.5	78.0	86.9	111	76.6	53.4	64.7	42.0	27.2
MAX	71	83	84	114	110	142	251	101	76	102	70	51
MIN	28	34	51	57	57	66	64	57	34	41	32	20
CFSM	0.62	0.70	0.92	0.99	1.08	1.20	1.53	1.06	0.74	0.89	0.58	0.38
IN.	0.71	0.78	1.06	1.14	1.12	1.38	1.71	1.22	0.82	1.03	0.67	0.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2005, BY WATER YEAR (WY)

MEAN	62.6	80.2	82.9	99.4	102	118	112	95.7	71.8	65.4	74.1	60.9
MAX	176	234	200	242	210	255	253	261	162	201	207	163
(WY)	(1959)	(1973)	(1973)	(1979)	(1939)	(1998)	(1970)	(1998)	(1998)	(1938)	(1933)	(1938)
MIN	28.6	28.6	27.1	31.2	28.8	40.5	41.3	43.1	33.7	24.2	23.9	24.4
(WY)	(1966)	(2002)	(1966)	(2002)	(2002)	(2002)	(1985)	(2002)	(1966)	(1977)	(1957)	(1951)

01410000 OSWEGO RIVER AT HARRISVILLE, NJ—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1931 - 2005	
ANNUAL TOTAL	24,507		23,498			
ANNUAL MEAN	67.0		64.4		85.4	
HIGHEST ANNUAL MEAN					138	1978
LOWEST ANNUAL MEAN					36.7	2002
HIGHEST DAILY MEAN	394	Apr 15	251	Apr 9	1,220	Aug 20, 1939
LOWEST DAILY MEAN	25	Sep 24	20	Sep 25	4.0	Jun 23, 1967
ANNUAL SEVEN-DAY MINIMUM	26	Sep 21	21	Sep 24	14	Sep 7, 1966
MAXIMUM PEAK FLOW			292	Apr 9	1,390a	Aug 20, 1939
MAXIMUM PEAK STAGE			3.97	Apr 9	9.54b	Aug 20, 1939
INSTANTANEOUS LOW FLOW			20	Many days	0.00c	Oct 26, 1932
ANNUAL RUNOFF (CFSM)	0.924		0.888		1.18	
ANNUAL RUNOFF (INCHES)	12.57		12.06		16.00	
10 PERCENT EXCEEDS	107		89		147	
50 PERCENT EXCEEDS	58		64		70	
90 PERCENT EXCEEDS	31		33		36	

- a From rating curve extended above 840 ft³/s extended by logarithmic plotting.
- b From high-water mark in gage house
- c While pond filling.
- e Estimated.

