

01443900 YARDS CREEK NEAR BLAIRSTOWN, NJ

LOCATION.--Lat 40°58'50", long 75°02'21", Warren County, Hydrologic Unit 02040105, on left bank 100 ft upstream from bridge on Hainesburg-Mount Vernon Road (Walnut Valley Road), 1.4 mi downstream from Lower Yards Creek Reservoir, 2.2 mi northeast of Hainesburg, 2.4 mi upstream from mouth, and 4.2 mi west of Blairstown.

DRAINAGE AREA.--5.34 mi².

PERIOD OF RECORD.--October 1966 to current year.

REVISED RECORDS.--WDR NJ-77-2: 1976. WDR NJ-79-2: 1977(m). WDR NJ-82-2: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 606.8 ft above NGVD of 1929.

REMARKS.--Records fair, except for estimated daily discharges which are poor. Flow regulated by GPU Generation Corp., at the Lower Yards Creek Reservoir 1.4 mi above station. Several measurements of water temperature were made during the year.

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	76	1.8	78	3.6	e10	e3.4	86	17	1.7	1.3	1.1	1.0
2	57	1.8	72	3.3	e7.6	e3.4	122	16	1.6	1.3	1.1	0.95
3	55	1.7	58	5.9	e3.0	e3.3	134	16	1.6	1.2	1.0	0.95
4	52	2.5	33	9.7	3.0	e3.3	121	15	2.1	1.2	1.0	0.92
5	27	2.3	31	13	3.1	e3.3	122	15	1.6	1.3	1.0	0.92
6	4.0	1.7	23	19	3.2	e3.3	116	14	2.3	1.2	1.0	0.93
7	3.5	1.6	20	22	3.4	e4.4	74	12	2.4	1.2	1.0	0.92
8	3.1	1.6	19	38	3.5	e4.2	44	11	1.6	3.3	1.4	0.89
9	2.9	1.6	19	42	4.0	e3.8	30	12	1.6	1.7	1.2	0.88
10	2.6	1.6	22	46	4.8	e3.8	28	9.0	2.1	1.4	1.1	0.87
11	2.4	1.5	24	42	e3.7	e3.8	21	2.6	1.9	1.3	1.1	0.87
12	2.2	2.9	28	32	3.5	e10	16	2.2	1.6	1.2	1.1	0.87
13	2.2	2.3	31	32	3.3	16	4.1	2.1	1.5	1.3	1.1	0.89
14	2.3	1.8	35	64	5.8	16	3.5	2.3	1.4	1.3	1.1	1.00
15	2.6	1.7	27	72	33	16	3.3	3.8	1.4	1.2	1.2	1.3
16	3.2	1.7	17	69	49	17	3.1	2.4	1.7	1.2	1.1	0.99
17	2.6	1.6	17	60	47	10	3.0	2.1	1.5	1.5	1.1	0.96
18	2.3	1.7	11	e45	e39	4.0	2.8	2.1	1.4	1.4	1.0	0.93
19	5.4	1.6	8.7	e16	e28	3.8	2.8	2.0	1.4	1.2	1.1	0.93
20	6.3	1.8	e12	e15	28	4.1	2.8	2.1	1.4	1.2	1.2	0.94
21	9.4	2.0	e8.5	e16	28	4.2	2.8	2.0	1.3	1.1	1.9	0.93
22	9.2	1.7	e3.5	e12	21	8.9	2.8	2.0	1.3	1.1	3.3	0.95
23	9.2	1.7	e14	e12	13	16	6.9	1.9	1.3	1.1	1.1	1.2
24	8.9	3.2	e31	e12	e13	18	5.5	2.0	1.3	1.1	1.0	1.2
25	8.4	4.6	e29	e15	e11	18	11	2.0	1.2	1.3	1.0	1.2
26	5.1	3.4	e23	e17	e3.5	17	17	2.0	1.2	1.1	0.92	1.3
27	1.9	3.1	e16	e16	e3.5	17	18	2.0	1.3	1.3	0.92	1.2
28	1.9	15	e9.5	e11	e3.3	37	16	2.1	1.4	1.2	1.2	1.1
29	1.9	45	4.2	e9.0	---	62	16	2.0	1.4	1.1	1.1	1.2
30	2.2	66	3.8	e11	---	69	17	1.8	1.5	1.1	1.1	1.1
31	1.9	---	3.8	e10	---	76	---	1.7	---	1.1	1.1	---
TOTAL	374.6	182.5	732.0	790.5	382.2	480.0	1,052.4	182.2	47.0	40.5	36.64	30.29
MEAN	12.1	6.08	23.6	25.5	13.7	15.5	35.1	5.88	1.57	1.31	1.18	1.01
MAX	76	66	78	72	49	76	134	17	2.4	3.3	3.3	1.3
MIN	1.9	1.5	3.5	3.3	3.0	3.3	2.8	1.7	1.2	1.1	0.92	0.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2005, BY WATER YEAR (WY)

MEAN	6.16	8.21	14.5	13.9	14.0	18.0	17.8	12.9	9.24	4.48	5.28	5.30
MAX	33.6	26.3	48.4	51.0	36.4	50.1	55.3	33.7	39.2	19.9	31.0	36.7
(WY)	(1990)	(1996)	(1997)	(1979)	(1979)	(1977)	(1983)	(1989)	(2003)	(1984)	(2003)	(2004)
MIN	0.97	1.20	0.91	1.66	2.17	3.42	4.43	1.58	1.00	0.89	0.65	0.58
(WY)	(1981)	(1967)	(1981)	(1981)	(2002)	(2002)	(1981)	(1970)	(1980)	(1980)	(1980)	(1980)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1967 - 2005	
ANNUAL TOTAL	4,723.10		4,330.83		10.8	
ANNUAL MEAN	12.9		11.9		16.1	1996
HIGHEST ANNUAL MEAN					3.17	1985
LOWEST ANNUAL MEAN					225	Jan 18, 1977
HIGHEST DAILY MEAN	211	Sep 19	134	Apr 3	0.02	Jun 19, 1970
LOWEST DAILY MEAN	0.80	Jul 11	0.87	Sep 10-12	0.46	Oct 7, 1980
ANNUAL SEVEN-DAY MINIMUM	0.88	Jul 5	0.88	Sep 7	583	Feb 24, 1977
MAXIMUM PEAK FLOW			190	Apr 2	3.92	Feb 24, 1977
MAXIMUM PEAK STAGE			3.54a	Feb 1	0.00	Sep 12, 1971
INSTANTANEOUS LOW FLOW			0.77	Aug 27	25	
10 PERCENT EXCEEDS	28		32		4.6	
50 PERCENT EXCEEDS	5.1		3.0		1.2	
90 PERCENT EXCEEDS	1.5		1.1			

a Ice Jam
e Estimated

