



Water-Data Report 2007

01443900 YARDS CREEK NEAR BLAIRSTOWN, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°58'50", long 75°02'21" referenced to North American Datum of 1983, Blairstown Township, Warren County, NJ, 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.

SURFACE-WATER RECORDS

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 Corporation, at the Lower Yards Creek Reservoir 1.4 mi above station. Reservoir is a part of a pumped-storage project. Several measurements of water temperature were made during the year.

01443900 YARDS CREEK NEAR BLAIRSTOWN, 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	3.0	57	26	16	e2.5	2.5	13	8.1	5.4	1.7	1.8	2.0
2	2.1	50	15	14	e2.5	52	8.2	8.7	2.9	1.6	1.7	1.9
3	1.8	27	14	23	e2.5	40	3.4	8.0	2.5	1.6	2.2	1.9
4	2.2	15	14	30	e2.6	32	7.7	6.6	4.6	1.8	2.6	1.9
5	8.1	14	12	28	e2.4	e28	12	3.8	3.1	2.0	1.8	1.9
6	12	12	10	27	e2.6	e25	6.7	4.6	2.4	1.8	1.8	1.9
7	12	6.8	6.6	24	e2.2	e25	3.3	4.5	2.2	1.8	1.8	1.9
8	12	31	3.1	37	e2.0	e18	3.1	4.5	2.1	1.6	5.0	1.9
9	7.3	52	3.0	35	e2.0	e7.0	4.4	4.5	2.0	1.5	2.1	1.9
10	1.8	49	3.0	30	e2.1	e3.0	11	4.5	1.9	1.5	3.9	1.8
11	1.9	47	2.9	26	e1.5	4.8	13	4.4	2.0	1.6	2.4	2.1
12	2.3	46	2.9	19	e1.8	4.5	15	4.4	2.0	1.5	2.1	1.8
13	1.8	28	3.4	14	1.9	10	14	4.3	1.9	1.5	2.0	1.8
14	1.8	9.4	3.2	15	1.8	15	15	3.1	1.9	1.5	1.9	1.8
15	1.8	4.2	2.9	15	2.0	15	59	2.2	1.9	1.5	1.9	1.7
16	1.7	12	2.8	14	2.1	21	97	2.4	1.8	1.5	1.9	1.6
17	3.5	21	2.6	14	2.0	19	99	2.3	1.8	1.5	2.1	1.5
18	11	16	6.3	12	2.0	17	100	2.5	1.8	2.3	2.0	1.5
19	14	15	9.7	10	2.0	21	87	2.1	1.9	1.6	1.9	1.5
20	17	20	9.6	10	2.0	34	59	2.1	3.1	1.5	2.0	1.5
21	16	24	5.7	9.5	2.2	33	33	1.9	2.0	1.4	4.6	1.5
22	15	21	5.7	5.5	2.4	21	31	1.9	2.0	1.4	2.9	1.5
23	14	21	13	2.9	2.3	16	30	1.9	1.8	4.2	2.5	1.5
24	15	18	11	2.8	2.1	13	26	1.8	1.8	2.5	2.3	1.4
25	14	17	11	2.7	2.1	13	25	1.8	1.7	1.9	2.3	1.4
26	14	15	14	e2.7	2.1	21	25	1.9	1.7	1.9	3.2	1.5
27	14	24	15	e2.8	2.2	25	9.6	1.7	1.9	2.3	2.2	1.5
28	42	29	14	e2.8	2.3	24	4.6	1.7	2.2	2.9	2.1	1.6
29	41	28	13	e2.7	---	24	3.8	1.6	1.9	2.1	2.0	1.6
30	51	28	11	e2.7	---	19	6.0	1.7	1.8	2.0	2.0	1.6
31	57	---	11	e2.5	---	13	---	1.7	---	1.8	2.5	---
Total	412.1	757.4	277.4	452.6	60.2	615.8	824.8	107.2	68.0	57.3	73.5	50.9
Mean	13.3	25.2	8.95	14.6	2.15	19.9	27.5	3.46	2.27	1.85	2.37	1.70
Max	57	57	26	37	2.6	52	100	8.7	5.4	4.2	5.0	2.1
Min	1.7	4.2	2.6	2.5	1.5	2.5	3.1	1.6	1.7	1.4	1.7	1.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	6.98	8.58	14.5	14.3	13.7	17.7	17.8	12.6	9.28	4.60	5.13	5.25
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	2.15	3.42	4.43	1.58	1.00	0.89	0.65	0.58
(WY)	(1981)	(1967)	(1981)	(1981)	(2007)	(2002)	(1981)	(1970)	(1980)	(1980)	(1980)	(1980)

01443900 YARDS CREEK NEAR BLAIRSTOWN, NJ—Continued**SUMMARY STATISTICS**

	Calendar Year 2006	Water Year 2007		Water Years 1967 - 2007	
Annual total	4,570.6		3,757.2		
Annual mean	12.5		10.3		10.9
Highest annual mean				16.1	1996
Lowest annual mean				3.17	1985
Highest daily mean	127	Jun 29	100	Apr 18	225 Jan 18, 1977
Lowest daily mean	1.1	Aug 21	1.4	Many days	0.02 Jun 19, 1970
Annual seven-day minimum	1.2	Aug 17	1.5	Sep 19	0.46 Oct 7, 1980
Maximum peak flow			125	Apr 16	583 Feb 24, 1977
Maximum peak stage			^a 3.23	Mar 8	3.92 Feb 24, 1977
Instantaneous low flow			0.97	Many days	0.00 Sep 12, 1971
10 percent exceeds	31		27		25
50 percent exceeds	5.9		2.9		4.6
90 percent exceeds	1.7		1.7		1.3

^a Effected by backwater from ice.

