



Water-Data Report 2010

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 hydroelectric project. Satellite stage telemetry at station. 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 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.6	26	15	11	e13	15	57	7.8	2.2	1.5	1.5	1.1
2	1.6	26	16	e11	e10	15	53	7.4	2.2	1.5	1.4	1.1
3	1.7	18	54	e11	e9.0	16	43	18	2.0	1.5	1.4	1.2
4	1.6	10	52	e10	8.2	14	37	20	2.0	1.5	1.4	1.2
5	1.4	7.1	54	e7.5	7.5	12	24	20	2.0	1.4	1.4	1.2
6	1.4	3.0	48	e5.0	e7.0	8.4	14	19	2.1	1.4	1.3	1.1
7	1.9	2.7	47	e4.6	e6.5	5.6	14	17	1.9	1.4	1.3	1.0
8	1.6	2.6	40	e3.8	e7.5	10	13	15	1.8	1.4	1.3	1.0
9	1.6	2.5	41	e3.0	e7.5	16	13	14	2.6	1.6	1.3	0.99
10	2.3	2.4	52	e2.8	5.3	18	12	8.3	2.6	2.4	1.3	1.0
11	1.7	5.6	32	e2.5	3.4	33	11	2.9	2.1	1.7	1.3	1.0
12	1.5	10	16	e2.3	e4.0	44	10	4.5	2.0	1.6	1.4	1.2
13	1.5	6.6	19	e2.4	e5.8	58	6.9	4.8	2.0	1.9	1.4	1.3
14	1.4	2.4	35	2.7	e5.8	70	3.0	5.6	2.0	3.1	1.3	1.4
15	1.8	2.3	44	2.8	e5.6	63	4.2	2.9	1.9	1.8	1.5	1.4
16	2.2	2.2	43	2.9	e5.6	68	6.4	2.6	1.9	1.6	1.6	1.5
17	2.0	2.2	27	3.6	e5.5	65	7.3	2.5	2.4	1.6	1.3	1.5
18	1.9	2.2	16	10	e4.0	55	6.3	4.0	1.9	1.5	1.2	1.4
19	1.8	2.4	15	14	2.8	49	5.8	7.3	1.8	1.6	1.2	1.4
20	1.8	11	27	14	2.9	34	5.8	10	1.8	1.5	1.2	1.3
21	1.9	14	30	14	2.8	23	4.4	10	1.7	1.5	1.2	1.3
22	1.9	13	13	13	4.8	29	2.6	10	1.9	1.4	1.7	1.3
23	1.9	12	e8.0	11	7.4	37	2.6	9.7	1.9	1.5	1.7	1.4
24	7.2	11	e3.5	10	12	29	2.6	7.4	1.7	1.5	1.4	1.3
25	4.3	7.0	3.4	35	15	27	5.5	3.8	1.7	1.5	1.3	1.3
26	2.8	2.9	6.1	65	16	27	15	2.3	1.7	1.4	1.3	1.3
27	3.4	2.8	9.8	40	15	27	27	2.4	1.7	1.4	1.3	1.4
28	9.1	2.6	30	16	14	25	35	2.6	1.7	1.3	1.3	1.8
29	11	2.7	e48	e16	---	42	23	2.5	1.6	1.4	1.2	1.5
30	23	8.4	e40	e16	---	54	11	2.6	1.6	1.3	1.1	2.9
31	28	---	12	e16	---	56	---	2.2	---	1.3	1.1	---
Total	128.8	223.6	896.8	378.9	213.9	1,045.0	475.4	249.1	58.4	49.0	41.6	39.79
Mean	4.15	7.45	28.9	12.2	7.64	33.7	15.8	8.04	1.95	1.58	1.34	1.33
Max	28	26	54	65	16	70	57	20	2.6	3.1	1.7	2.9
Min	1.4	2.2	3.4	2.3	2.8	5.6	2.6	2.2	1.6	1.3	1.1	0.99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	6.79	8.80	15.3	14.1	14.0	18.2	17.3	12.4	9.19	4.46	4.91	5.01
Max	33.6	26.3	48.4	51.0	37.5	50.1	55.3	33.7	39.2	19.9	31.0	36.7
(WY)	(1990)	(1996)	(1997)	(1979)	(2008)	(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)

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	Calendar Year 2009	Water Year 2010	Water Years 1967 - 2010
Annual total	3,380.6	3,800.29	
Annual mean	9.26	10.4	10.9
Highest annual mean			16.1
Lowest annual mean			3.17
Highest daily mean	63	Jun 19	70 Mar 14
Lowest daily mean	1.4	Oct 5	0.99 Sep 9
Annual seven-day minimum	1.6	Sep 5	1.0 Sep 5
Maximum peak flow			98 Mar 13
Maximum peak stage			b3.65 Jan 31
Instantaneous low flow			0.84 Sep 8
10 percent exceeds	23		31
50 percent exceeds	4.8		3.0
90 percent exceeds	1.7		1.3

^a From rating curve extended above 150 ft³/s.

^b Ice jam.

