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Water-Data Report 2009

**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 mi<sup>2</sup>.

**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.

## Water-Data Report 2009

## 01443900 YARDS CREEK NEAR BLAIRSTOWN, NJ—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**  
**DAILY MEAN VALUES**  
[*e*, estimated]

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	3.3	15	15	e22	8.8	2.6	11	2.9	11	3.7	4.9	4.4
<b>2</b>	2.2	14	14	e19	8.5	e7.0	11	3.1	7.7	11	6.2	4.5
<b>3</b>	2.0	14	11	e14	8.7	e12	12	2.7	4.8	13	5.2	3.5
<b>4</b>	1.9	14	11	e14	e8.5	e6.5	12	6.2	8.6	12	3.6	1.8
<b>5</b>	2.0	13	11	13	e4.5	e2.9	11	9.8	13	12	1.9	1.7
<b>6</b>	1.7	13	10	13	e2.8	2.9	13	10	13	7.6	1.8	1.5
<b>7</b>	1.8	13	10	16	e2.6	2.9	14	31	12	2.8	1.7	1.5
<b>8</b>	1.8	13	e10	15	2.9	2.7	13	24	7.5	2.7	1.6	1.6
<b>9</b>	1.8	13	e10	e14	2.8	6.8	8.4	14	3.7	2.6	1.9	1.5
<b>10</b>	1.7	13	16	e13	2.9	9.4	5.5	13	2.7	2.5	1.7	1.5
<b>11</b>	1.7	13	34	e12	4.1	9.5	5.2	11	8.5	2.5	1.6	1.6
<b>12</b>	1.6	8.5	109	e13	9.2	9.2	4.8	6.4	24	3.1	1.6	2.7
<b>13</b>	1.5	3.3	108	e12	11	9.4	5.0	2.7	20	2.3	4.7	1.8
<b>14</b>	1.5	6.8	101	e9.0	11	9.1	5.3	3.1	19	2.3	2.4	1.6
<b>15</b>	1.6	14	88	e5.5	10	8.7	5.7	3.1	19	2.2	2.0	1.6
<b>16</b>	1.6	15	54	e3.0	e11	8.9	5.5	9.0	19	2.1	1.9	1.7
<b>17</b>	1.6	15	36	e3.5	e13	9.3	5.3	41	24	2.3	1.8	1.9
<b>18</b>	1.8	15	28	3.8	e12	6.2	5.1	47	62	2.5	1.7	1.7
<b>19</b>	1.7	15	19	2.7	13	2.9	4.7	29	63	2.1	1.9	1.6
<b>20</b>	1.6	15	14	2.5	e13	2.6	5.0	12	39	2.1	1.7	1.6
<b>21</b>	1.7	14	14	2.4	e13	2.5	8.8	11	37	2.3	2.4	1.5
<b>22</b>	1.7	13	e17	2.3	12	2.3	11	6.9	34	2.4	2.5	1.5
<b>23</b>	1.8	13	e18	2.4	e11	2.2	10	3.2	33	2.4	2.6	1.5
<b>24</b>	1.8	13	e18	2.3	e8.5	2.2	9.7	3.4	28	2.3	2.2	1.6
<b>25</b>	5.7	16	20	e2.2	e2.6	2.2	9.2	3.1	23	2.3	1.9	1.6
<b>26</b>	4.0	14	22	e2.1	2.7	2.3	9.0	7.9	19	3.2	1.8	1.6
<b>27</b>	2.5	13	28	2.1	3.2	2.6	6.0	13	14	2.3	1.7	2.6
<b>28</b>	23	12	30	2.9	3.2	2.3	2.6	13	13	2.2	2.8	1.8
<b>29</b>	14	12	30	7.1	---	3.5	2.5	14	8.2	2.2	5.5	1.6
<b>30</b>	16	13	28	13	---	7.4	2.5	13	4.6	2.5	5.0	1.6
<b>31</b>	16	---	e26	9.5	---	11	---	12	---	3.5	4.6	---
<b>Total</b>	124.6	388.6	960	268.3	216.5	172.0	233.8	381.5	595.3	121.0	84.8	58.2
<b>Mean</b>	4.02	13.0	31.0	8.65	7.73	5.55	7.79	12.3	19.8	3.90	2.74	1.94
<b>Max</b>	23	16	109	22	13	12	14	47	63	13	6.2	4.5
<b>Min</b>	1.5	3.3	10	2.1	2.6	2.2	2.5	2.7	2.7	2.1	1.6	1.5

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2009, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	6.85	8.84	14.9	14.1	14.1	17.9	17.4	12.5	9.36	4.52	4.99	5.09
<b>Max</b>	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)
<b>Min</b>	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**

	<b>Calendar Year 2008</b>		<b>Water Year 2009</b>		<b>Water Years 1967 - 2009</b>	
<b>Annual total</b>	4,812.0		3,604.6			
<b>Annual mean</b>	13.1		9.88		10.9	
<b>Highest annual mean</b>					16.1	1996
<b>Lowest annual mean</b>					3.17	1985
<b>Highest daily mean</b>	115	Mar 9	109	Dec 12	225	Jan 18, 1977
<b>Lowest daily mean</b>	1.3	Aug 27	1.5	Many days	0.02	Jun 19, 1970
<b>Annual seven-day minimum</b>	1.3	Aug 27	1.6	Sep 5	0.46	Oct 7, 1980
<b>Maximum peak flow</b>			139	Dec 12	583	Feb 24, 1977
<b>Maximum peak stage</b>			3.07	Dec 12	3.92	Feb 24, 1977
<b>Instantaneous low flow</b>			1.3	Many days	0.00	Sep 12, 1971
<b>10 percent exceeds</b>	30		19		25	
<b>50 percent exceeds</b>	6.8		6.0		4.6	
<b>90 percent exceeds</b>	1.5		1.7		1.3	

<sup>a</sup> From rating curve extended above 150 ft<sup>3</sup>/s.

