

PA-88



## PA Watersheds Data System

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(Results table can be copied-and-pasted into Microsoft Excel™. Click and drag over the parameters and results, right click and press 'copy', open Excel™, right click and press 'paste')

**0.4 (LAB) Arnot #2 State Yard****pH**

Mean: 3.5475  
Median: 3.55  
Mode: 3.48  
First Quartile: 3.495  
Third Quartile: 3.6  
Standard Deviation: 0.06

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	3.55 pH Units
DW	9/10/2007 12:00:00 AM	3.51 pH Units
DW	3/12/2008 12:00:00 AM	3.65 pH Units
DW	8/18/2008 12:00:00 AM	3.48 pH Units

**Acidity**

Mean: 51.21  
Median: 57.02  
Mode: 36.05  
First Quartile: 44.46  
Third Quartile: 57.96  
Standard Deviation: 9.02

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	52.87 mg/l
DW	9/10/2007 12:00:00 AM	57.02 mg/l
DW	3/12/2008 12:00:00 AM	36.05 mg/l
DW	8/18/2008 12:00:00 AM	58.9 mg/l

**Iron**

Mean: 0.4025  
Median: 0.4  
Mode: 0.35  
First Quartile: 0.36  
Third Quartile: 0.445  
Standard Deviation: 0.05

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	0.4 mg/l
DW	9/10/2007 12:00:00 AM	0.35 mg/l
DW	3/12/2008 12:00:00 AM	0.49 mg/l
DW	8/18/2008 12:00:00 AM	0.37 mg/l

**Manganese**

Mean: 2.0525  
Median: 2.57  
Mode: 1.25  
First Quartile: 1.38  
Third Quartile: 2.725  
Standard Deviation: 0.69

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	1.51 mg/l
DW	9/10/2007 12:00:00 AM	2.88 mg/l
DW	3/12/2008 12:00:00 AM	1.25 mg/l
DW	8/18/2008 12:00:00 AM	2.57 mg/l

**Aluminum**

Mean: 4.305  
Median: 6.16  
Mode: 2.15  
First Quartile: 2.395

Third Quartile: 6.215  
Standard Deviation: 1.92

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	2.64 mg/l
DW	9/10/2007 12:00:00 AM	6.27 mg/l
DW	3/12/2008 12:00:00 AM	2.15 mg/l
DW	8/18/2008 12:00:00 AM	6.16 mg/l

**Sulfate**  
Mean: 116.7  
Median: 128  
Mode: 100.8  
First Quartile: 102.15  
Third Quartile: 131.25  
Standard Deviation: 14.76

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	100.8 mg/l
DW	9/10/2007 12:00:00 AM	128 mg/l
DW	3/12/2008 12:00:00 AM	103.5 mg/l
DW	8/18/2008 12:00:00 AM	134.5 mg/l

**Total Suspended Solids (TSS)**  
Mean: 2.5  
Median: 2  
Mode: 1  
First Quartile: 1  
Third Quartile: 4  
Standard Deviation: 2.06

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	2 mg/l
DW	9/10/2007 12:00:00 AM	1 mg/l
DW	3/12/2008 12:00:00 AM	1 mg/l
DW	8/18/2008 12:00:00 AM	6 mg/l

**Alkalinity**  
Mean: 0  
Median: 0  
Mode: 0  
First Quartile: 0  
Third Quartile: 0  
Standard Deviation: 0

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	0 mg/l
DW	9/10/2007 12:00:00 AM	0 mg/l
DW	3/12/2008 12:00:00 AM	0 mg/l
DW	8/18/2008 12:00:00 AM	0 mg/l

**Flow**  
Mean: 180  
Median: 90  
Mode: 50  
First Quartile: 70  
Third Quartile: 0  
Standard Deviation: 156.42

Sample Description	Sample Date	Measurement Units
DW	9/10/2007 12:00:00 AM	50 gpm
DW	3/12/2008 12:00:00 AM	400 gpm
DW	8/18/2008 12:00:00 AM	90 gpm

#### 0.4A (LAB) Arnot #2 State Yard

**pH**  
Mean: 6.42  
Median: 7.01

Mode: 5.09  
 First Quartile: 5.645  
 Third Quartile: 7.195  
 Standard Deviation: 0.88

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	6.2 pH Units
DW	9/10/2007 12:00:00 AM	7.38 pH Units
DW	3/12/2008 12:00:00 AM	5.09 pH Units
DW	8/18/2008 12:00:00 AM	7.01 pH Units

**Acidity**  
 Mean: -35.33  
 Median: -12.87  
 Mode: -78.22  
 First Quartile: -70.53  
 Third Quartile: -0.13  
 Standard Deviation: 36.74

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	-12.87 mg/l
DW	9/10/2007 12:00:00 AM	-78.22 mg/l
DW	3/12/2008 12:00:00 AM	12.61 mg/l
DW	8/18/2008 12:00:00 AM	-62.84 mg/l

**Iron**  
 Mean: 0.2825  
 Median: 0.36  
 Mode: 0.15  
 First Quartile: 0.2  
 Third Quartile: 0.365  
 Standard Deviation: 0.09

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	0.15 mg/l
DW	9/10/2007 12:00:00 AM	0.25 mg/l
DW	3/12/2008 12:00:00 AM	0.37 mg/l
DW	8/18/2008 12:00:00 AM	0.36 mg/l

**Manganese**  
 Mean: 1.45  
 Median: 1.45  
 Mode: 0.96  
 First Quartile: 1.02  
 Third Quartile: 1.88  
 Standard Deviation: 0.53

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	0.96 mg/l
DW	9/10/2007 12:00:00 AM	1.45 mg/l
DW	3/12/2008 12:00:00 AM	1.08 mg/l
DW	8/18/2008 12:00:00 AM	2.31 mg/l

**Aluminum**  
 Mean: 0.9225  
 Median: 0.94  
 Mode: 0.25  
 First Quartile: 0.53  
 Third Quartile: 1.315  
 Standard Deviation: 0.51

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	0.94 mg/l
DW	9/10/2007 12:00:00 AM	0.25 mg/l
DW	3/12/2008 12:00:00 AM	1.69 mg/l
DW	8/18/2008 12:00:00 AM	0.81 mg/l

**Sulfate**  
 Mean: 112.725  
 Median: 126.2  
 Mode: 96  
 First Quartile: 97.3

Third Quartile: 128.15		
Standard Deviation: 15.51		
<b>Sample Description</b>	<b>Sample Date</b>	<b>Measurement Units</b>
DW	4/15/2007 12:00:00 AM	96 mg/l
DW	9/10/2007 12:00:00 AM	126.2 mg/l
DW	3/12/2008 12:00:00 AM	98.6 mg/l
DW	8/18/2008 12:00:00 AM	130.1 mg/l

<b>Total Suspended Solids (TSS)</b>		
Mean: 3		
Median: 3		
Mode: 3		
First Quartile: 2		
Third Quartile: 4		
Standard Deviation: 1.41		
<b>Sample Description</b>	<b>Sample Date</b>	<b>Measurement Units</b>
DW	4/15/2007 12:00:00 AM	5 mg/l
DW	9/10/2007 12:00:00 AM	3 mg/l
DW	3/12/2008 12:00:00 AM	3 mg/l
DW	8/18/2008 12:00:00 AM	1 mg/l

<b>Alkalinity</b>		
Mean: 52.635		
Median: 89.06		
Mode: 2.59		
First Quartile: 12.05		
Third Quartile: 93.22		
Standard Deviation: 41.24		
<b>Sample Description</b>	<b>Sample Date</b>	<b>Measurement Units</b>
DW	4/15/2007 12:00:00 AM	21.51 mg/l
DW	9/10/2007 12:00:00 AM	97.38 mg/l
DW	3/12/2008 12:00:00 AM	2.59 mg/l
DW	8/18/2008 12:00:00 AM	89.06 mg/l

<b>Flow</b>		
Mean: 113.333333333333		
Median: 90		
Mode: 50		
First Quartile: 70		
Third Quartile: 0		
Standard Deviation: 63.42		
<b>Sample Description</b>	<b>Sample Date</b>	<b>Measurement Units</b>
DW	9/10/2007 12:00:00 AM	50 gpm
DW	3/12/2008 12:00:00 AM	200 gpm
DW	8/18/2008 12:00:00 AM	90 gpm

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# PA Watersheds Data System



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## 0.4A Arnot #2 State Yard

### Alkalinity

Mean: 71.1071428571429

Median: 60

Mode: 40

First Quartile: 40

Third Quartile: 100

Standard Deviation: 39.67

Sample Description	Sample Date	Measurement	Units
DW	4/10/2004 12:00:00 AM	14	mg/l
DW	5/27/2004 12:00:00 AM	25	mg/l
DW	6/26/2004 12:00:00 AM	55	mg/l
DW	7/17/2004 12:00:00 AM	120	mg/l
DW	8/21/2004 12:00:00 AM	68	mg/l
DW	9/18/2004 12:00:00 AM	40	mg/l
DW	10/16/2004 12:00:00 AM	40	mg/l
DW	11/20/2004 12:00:00 AM	60	mg/l
DW	12/20/2004 12:00:00 AM	20	mg/l
DW	1/22/2005 12:00:00 AM	20	mg/l
DW	2/17/2005 12:00:00 AM	40	mg/l
DW	3/12/2005 12:00:00 AM	40	mg/l
DW	4/23/2005 12:00:00 AM	40	mg/l
DW	5/21/2005 12:00:00 AM	60	mg/l
DW	6/13/2005 12:00:00 AM	100	mg/l
DW	7/16/2005 12:00:00 AM	100	mg/l
DW	8/13/2005 12:00:00 AM	120	mg/l
DW	9/17/2005 12:00:00 AM	80	mg/l
DW	10/15/2005 12:00:00 AM	100	mg/l
DW	11/13/2005 12:00:00 AM	60	mg/l
DW	12/17/2005 12:00:00 AM	40	mg/l
DW	1/14/2006 12:00:00 AM	40	mg/l
DW	2/12/2006 12:00:00 AM	20	mg/l
DW	3/4/2006 12:00:00 AM	20	mg/l
DW	4/15/2006 12:00:00 AM	60	mg/l
DW	5/13/2006 12:00:00 AM	80	mg/l
DW	6/18/2006 12:00:00 AM	80	mg/l
DW	7/15/2006 12:00:00 AM	80	mg/l
DW	8/12/2006 12:00:00 AM	100	mg/l
DW	9/17/2006 12:00:00 AM	140	mg/l
DW	10/15/2006 12:00:00 AM	100	mg/l
DW	11/24/2006 12:00:00 AM	140	mg/l
DW	12/16/2006 12:00:00 AM	40	mg/l
DW	1/20/2007 12:00:00 AM	40	mg/l
DW	2/20/2007 12:00:00 AM	40	mg/l
DW	3/10/2007 12:00:00 AM	60	mg/l
DW	4/21/2007 12:00:00 AM	40	mg/l
DW	5/19/2007 12:00:00 AM	40	mg/l
DW	6/23/2007 12:00:00 AM	80	mg/l
DW	7/14/2007 12:00:00 AM	140	mg/l
DW	8/25/2007 12:00:00 AM	60	mg/l
DW	9/15/2007 12:00:00 AM	160	mg/l
DW	10/13/2007 12:00:00 AM	140	mg/l
DW	11/11/2007 12:00:00 AM	100	mg/l
DW	12/10/2007 12:00:00 AM	60	mg/l
DW	1/15/2008 12:00:00 AM	40	mg/l
DW	2/15/2008 12:00:00 AM	20	mg/l
DW	3/15/2008 12:00:00 AM	20	mg/l
DW	4/19/2008 12:00:00 AM	60	mg/l
DW	5/17/2008 12:00:00 AM	60	mg/l
DW	6/14/2008 12:00:00 AM	100	mg/l
DW	7/19/2008 12:00:00 AM	140	mg/l
DW	8/17/2008 12:00:00 AM	80	mg/l

DW	9/13/2008 12:00:00 AM	160	mg/l
DW	10/18/2008 12:00:00 AM	120	mg/l
DW	11/15/2008 12:00:00 AM	80	mg/l

<b>pH</b>			
<b>Sample Description</b>	<b>Sample Date</b>	<b>Measurement</b>	<b>Units</b>
DW	4/10/2004 12:00:00 AM	7	pH Units
DW	5/27/2004 12:00:00 AM	6.3	pH Units
DW	6/26/2004 12:00:00 AM	6.8	pH Units
DW	7/17/2004 12:00:00 AM	7.2	pH Units
DW	8/21/2004 12:00:00 AM	6.5	pH Units
DW	9/18/2004 12:00:00 AM	6	pH Units
DW	10/16/2004 12:00:00 AM	6.5	pH Units
DW	11/20/2004 12:00:00 AM	6.8	pH Units
DW	12/20/2004 12:00:00 AM	6	pH Units
DW	1/22/2005 12:00:00 AM	5.5	pH Units
DW	2/17/2005 12:00:00 AM	6.5	pH Units
DW	3/12/2005 12:00:00 AM	6.5	pH Units
DW	4/23/2005 12:00:00 AM	6.5	pH Units
DW	5/21/2005 12:00:00 AM	7	pH Units
DW	6/13/2005 12:00:00 AM	7	pH Units
DW	7/16/2005 12:00:00 AM	7	pH Units
DW	8/13/2005 12:00:00 AM	7	pH Units
DW	9/17/2005 12:00:00 AM	7.5	pH Units
DW	10/15/2005 12:00:00 AM	7	pH Units
DW	11/13/2005 12:00:00 AM	6.5	pH Units
DW	12/17/2005 12:00:00 AM	6.5	pH Units
DW	1/14/2006 12:00:00 AM	6.5	pH Units
DW	2/12/2006 12:00:00 AM	6	pH Units
DW	3/4/2006 12:00:00 AM	6	pH Units
DW	4/15/2006 12:00:00 AM	7.2	pH Units
DW	5/13/2006 12:00:00 AM	7.0	pH Units
DW	6/18/2006 12:00:00 AM	7	pH Units
DW	7/15/2006 12:00:00 AM	6.5	pH Units
DW	8/12/2006 12:00:00 AM	7.5	mg/l
DW	9/17/2006 12:00:00 AM	7	mg/l
DW	10/15/2006 12:00:00 AM	7.5	mg/l
DW	11/24/2006 12:00:00 AM	7	mg/l
DW	12/16/2006 12:00:00 AM	7	mg/l
DW	1/20/2007 12:00:00 AM	6.5	mg/l
DW	2/20/2007 12:00:00 AM	6.5	pH Units
DW	3/10/2007 12:00:00 AM	7	pH Units
DW	4/21/2007 12:00:00 AM	6.5	pH Units
DW	5/19/2007 12:00:00 AM	6.8	pH Units
DW	6/23/2007 12:00:00 AM	7.5	pH Units
DW	7/14/2007 12:00:00 AM	7.5	pH Units
DW	8/25/2007 12:00:00 AM	7.5	pH Units
DW	9/15/2007 12:00:00 AM	7.5	pH Units
DW	10/13/2007 12:00:00 AM	7.5	pH Units
DW	11/11/2007 12:00:00 AM	7.5	pH Units
DW	12/10/2007 12:00:00 AM	7	pH Units
DW	1/15/2008 12:00:00 AM	6.5	pH Units
DW	2/15/2008 12:00:00 AM	6	pH Units
DW	3/15/2008 12:00:00 AM	5.5	pH Units
DW	4/19/2008 12:00:00 AM	6.5	pH Units
DW	5/17/2008 12:00:00 AM	7	pH Units
DW	6/14/2008 12:00:00 AM	7.5	pH Units
DW	7/19/2008 12:00:00 AM	7.5	pH Units
DW	8/17/2008 12:00:00 AM	7.5	pH Units
DW	9/13/2008 12:00:00 AM	8	pH Units
DW	10/18/2008 12:00:00 AM	8	pH Units
DW	11/15/2008 12:00:00 AM	7.5	pH Units

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