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PA Watersheds Data System

Keystone Watershed Monitoring Network

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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')

46.45 Anna S Mine

Alkalinity

Mean: 131
Median: 140
Mode: 140
First Quartile: 89.5
Third Quartile: 0
Standard Deviation: 43.41

Sample Description	Sample Date	Measurement	Units
BB	6/29/2004 12:00:00 AM	222	mg/l
BB	7/22/2004 12:00:00 AM	222	mg/l
BB	8/26/2004 12:00:00 AM	171	mg/l
BB	10/2/2004 12:00:00 AM	171	mg/l
BB	10/28/2004 12:00:00 AM	154	mg/l
BB	11/27/2004 12:00:00 AM	137	mg/l
BB	12/29/2004 12:00:00 AM	154	mg/l
BB	3/21/2005 12:00:00 AM	150	mg/l
BB	4/22/2005 12:00:00 AM	144	mg/l
BB	5/30/2005 12:00:00 AM	137	mg/l
BB	6/14/2005 12:00:00 AM	164	mg/l
BB	7/22/2005 12:00:00 AM	137	mg/l
BB	8/30/2005 12:00:00 AM	103	mg/l
BB	9/28/2005 12:00:00 AM	103	mg/l
BB	10/31/2005 12:00:00 AM	68	mg/l
BB	12/1/2005 12:00:00 AM	75	mg/l
BB	12/30/2005 12:00:00 AM	89	mg/l
BB	2/4/2006 12:00:00 AM	73	mg/l
BB	3/8/2006 12:00:00 AM	86	mg/l
BB	4/26/2006 12:00:00 AM	86	mg/l
BB	5/19/2006 12:00:00 AM	86	mg/l
BB	6/29/2006 12:00:00 AM	86	mg/l
BB	7/24/2006 12:00:00 AM	68	mg/l
BB	8/26/2006 12:00:00 AM	68	mg/l
BB	9/24/2006 12:00:00 AM	68	mg/l
BB	10/31/2006 12:00:00 AM	68	mg/l
BB	11/25/2006 12:00:00 AM	51	mg/l
DW	12/23/2006 12:00:00 AM	100	mg/l
DW	1/27/2007 12:00:00 AM	140	mg/l
DW	2/20/2007 12:00:00 AM	120	mg/l
DW	3/10/2007 12:00:00 AM	180	mg/l
DW	4/21/2007 12:00:00 AM	140	mg/l
DW	5/19/2007 12:00:00 AM	180	mg/l
DW	6/23/2007 12:00:00 AM	180	mg/l
DW	7/14/2007 12:00:00 AM	180	mg/l
DW	8/25/2007 12:00:00 AM	140	mg/l
DW	9/15/2007 12:00:00 AM	240	mg/l
DW	10/13/2007 12:00:00 AM	140	mg/l
DW	11/11/2007 12:00:00 AM	120	mg/l
DW	12/10/2007 12:00:00 AM	90	mg/l
DW	1/15/2008 12:00:00 AM	120	mg/l
DW	2/15/2008 12:00:00 AM	140	mg/l
DW	3/15/2008 12:00:00 AM	120	mg/l
DW	4/19/2008 12:00:00 AM	160	mg/l
DW	5/17/2008 12:00:00 AM	160	mg/l
DW	6/14/2008 12:00:00 AM	170	mg/l
DW	7/19/2008 12:00:00 AM	160	mg/l
DW	8/14/2008 12:00:00 AM	140	mg/l
DW	9/13/2008 12:00:00 AM	140	mg/l
DW	10/18/2008 12:00:00 AM	140	mg/l
DW	11/15/2008 12:00:00 AM	140	mg/l

pH

Mean: 7.32884615384616
Median: 7.4
Mode: 7.5
First Quartile: 7.15
Third Quartile: 7.5
Standard Deviation: 0.23

Sample Description	Sample Date	Measurement	Units
BB	6/29/2004 12:00:00 AM	7.6	pH Units
BB	7/15/2004 12:00:00 AM	7.3	pH Units
BB	7/22/2004 12:00:00 AM	7.7	pH Units
BB	8/26/2004 12:00:00 AM	7.4	pH Units
BB	10/2/2004 12:00:00 AM	7.3	pH Units
BB	10/28/2004 12:00:00 AM	7.5	pH Units
BB	11/27/2004 12:00:00 AM	7.3	pH Units
BB	12/29/2004 12:00:00 AM	7.4	pH Units
BB	3/21/2005 12:00:00 AM	7.4	pH Units
BB	4/22/2005 12:00:00 AM	7.6	pH Units
BB	5/30/2005 12:00:00 AM	7.6	pH Units
BB	6/14/2005 12:00:00 AM	7.6	pH Units
BB	7/22/2005 12:00:00 AM	7.5	pH Units
BB	8/30/2005 12:00:00 AM	7.4	pH Units
BB	9/28/2005 12:00:00 AM	7.3	pH Units
BB	10/31/2005 12:00:00 AM	7.3	pH Units
BB	12/1/2005 12:00:00 AM	6.8	pH Units
BB	12/30/2005 12:00:00 AM	7.2	pH Units
BB	2/4/2006 12:00:00 AM	7.5	pH Units
BB	3/8/2006 12:00:00 AM	7.2	pH Units
BB	4/26/2006 12:00:00 AM	7.2	pH Units
BB	5/19/2006 12:00:00 AM	7.4	pH Units
BB	6/29/2006 12:00:00 AM	7.1	pH Units
BB	7/24/2006 12:00:00 AM	7.2	pH Units
BB	8/26/2006 12:00:00 AM	7.6	pH Units
BB	9/24/2006 12:00:00 AM	6.9	pH Units
BB	10/31/2006 12:00:00 AM	7.5	pH Units
BB	11/25/2006 12:00:00 AM	7.1	pH Units
DW	12/23/2006 12:00:00 AM	7	pH Units
DW	1/27/2007 12:00:00 AM	7	pH Units
DW	2/20/2007 12:00:00 AM	7	pH Units
DW	3/10/2007 12:00:00 AM	7	pH Units
DW	4/21/2007 12:00:00 AM	7	pH Units
DW	5/19/2007 12:00:00 AM	7.5	pH Units
DW	6/23/2007 12:00:00 AM	7	pH Units
DW	7/14/2007 12:00:00 AM	7.5	pH Units
DW	8/25/2007 12:00:00 AM	7.2	pH Units
DW	9/15/2007 12:00:00 AM	7	pH Units
DW	10/13/2007 12:00:00 AM	7.7	pH Units
DW	11/11/2007 12:00:00 AM	7.5	pH Units
DW	12/10/2007 12:00:00 AM	7.5	pH Units
DW	1/15/2008 12:00:00 AM	7.5	pH Units
DW	2/15/2008 12:00:00 AM	7	pH Units
DW	3/15/2008 12:00:00 AM	7.5	pH Units
DW	4/19/2008 12:00:00 AM	7	pH Units
DW	5/17/2008 12:00:00 AM	7.5	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	8/14/2008 12:00:00 AM	7.5	pH Units
DW	9/13/2008 12:00:00 AM	7.5	pH Units
DW	10/18/2008 12:00:00 AM	7.5	pH Units
DW	11/15/2008 12:00:00 AM	7.3	pH Units

Acidity

No Data Found for this Parameter

46.4 Anna S mine

Alkalinity
No Data Found for this Parameter

pH
Mean: 2.35
Median: 2.7
Mode: 2
First Quartile: 2
Third Quartile: 2.7
Standard Deviation: 0.35

Sample Description	Sample Date	Measurement	Units
BB	6/29/2004 12:00:00 AM	2	pH Units
BB	9/28/2005 12:00:00 AM	2.7	pH Units

Acidity
Mean: 103
Median: 103
Mode: 103
First Quartile: 0
Third Quartile: 0
Standard Deviation: 0

Sample Description	Sample Date	Measurement	Units
BB	9/28/2005 12:00:00 AM	103	mg/l

46.6 Anna SMine

Alkalinity
No Data Found for this Parameter

pH
Mean: 3.5
Median: 3.5
Mode: 3.5
First Quartile: 0
Third Quartile: 0
Standard Deviation: 0

Sample Description	Sample Date	Measurement	Units
BB	6/29/2004 12:00:00 AM	3.5	pH Units

Acidity
No Data Found for this Parameter

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PA Watersheds Data System

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Babb Creek Watershed Association > 48.29 (LAB) Hunter's Drift

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46.4 (LAB) Anna S Mine

pH

Mean: 3.2325
Median: 3.21
Mode: 3
First Quartile: 3.005
Third Quartile: 3.46
Standard Deviation: 0.29

Sample Description	Sample Date	Measurement	Units
DW	4/15/2007 12:00:00 AM	3.01	pH Units
DW	9/10/2007 12:00:00 AM	3.71	pH Units
DW	3/12/2008 12:00:00 AM	3.21	pH Units
DW	8/19/2008 12:00:00 AM	3	pH Units

Acidity

Mean: 114.395
Median: 151.3
Mode: 31.28
First Quartile: 75.625
Third Quartile: 153.165
Standard Deviation: 49.88

Sample Description	Sample Date	Measurement	Units
DW	4/15/2007 12:00:00 AM	155.03	mg/l
DW	9/10/2007 12:00:00 AM	31.28	mg/l
DW	3/12/2008 12:00:00 AM	119.97	mg/l
DW	8/19/2008 12:00:00 AM	151.3	mg/l

Iron

Mean: 5.1625
Median: 6.43
Mode: 1.1
First Quartile: 3.035
Third Quartile: 7.29
Standard Deviation: 2.6

Sample Description	Sample Date	Measurement	Units
DW	4/15/2007 12:00:00 AM	8.15	mg/l
DW	9/10/2007 12:00:00 AM	1.1	mg/l
DW	3/12/2008 12:00:00 AM	6.43	mg/l
DW	8/19/2008 12:00:00 AM	4.97	mg/l

Manganese

Mean: 7.27
Median: 7.41
Mode: 3.85
First Quartile: 5.475
Third Quartile: 9.065
Standard Deviation: 2.43

Sample Description	Sample Date	Measurement	Units
DW	4/15/2007 12:00:00 AM	7.41	mg/l
DW	9/10/2007 12:00:00 AM	3.85	mg/l
DW	3/12/2008 12:00:00 AM	7.1	mg/l
DW	8/19/2008 12:00:00 AM	10.72	mg/l

Aluminum

Mean: 10.7725
Median: 12.42
Mode: 1.25

First Quartile: 6.55
Third Quartile: 14.995
Standard Deviation: 5.93

Sample Description	Sample Date	Measurement	Units
DW	4/15/2007 12:00:00 AM	11.85	mg/l
DW	9/10/2007 12:00:00 AM	1.25	mg/l
DW	3/12/2008 12:00:00 AM	12.42	mg/l
DW	8/19/2008 12:00:00 AM	17.57	mg/l

Sulfate
Mean: 311.55
Median: 406.7
Mode: 105.3
First Quartile: 213.65
Third Quartile: 409.45
Standard Deviation: 124.33

Sample Description	Sample Date	Measurement	Units
DW	4/15/2007 12:00:00 AM	406.7	mg/l
DW	9/10/2007 12:00:00 AM	105.3	mg/l
DW	3/12/2008 12:00:00 AM	322	mg/l
DW	8/19/2008 12:00:00 AM	412.2	mg/l

Total Suspended Solids (TSS)
Mean: 1.66666666666667
Median: 2
Mode: 2
First Quartile: 1.5
Third Quartile: 0
Standard Deviation: 0.47

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	2	mg/l
DW	3/12/2008 12:00:00 AM	1	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		mg/l
DW	8/19/2008 12:00:00 AM		mg/l

Flow
Mean: 256.666666666667
Median: 190
Mode: 180
First Quartile: 185
Third Quartile: 0
Standard Deviation: 101.43

Sample Description	Sample Date	Measurement	Units
DW	9/10/2007 12:00:00 AM	190	gpm
DW	3/12/2008 12:00:00 AM	400	gpm
DW	8/19/2008 12:00:00 AM	180	gpm

46.45 (LAB) Anna S Mine

pH
Mean: 7.2
Median: 7.17

Mode: 7
First Quartile: 7.065
Third Quartile: 7.335
Standard Deviation: 0.18

Sample Description	Sample Date	Measurement	Units
DW	4/15/2007 12:00:00 AM	7.17	pH Units
DW	9/10/2007 12:00:00 AM	7.5	pH Units
DW	3/12/2008 12:00:00 AM	7	pH Units
DW	8/19/2008 12:00:00 AM	7.13	pH Units

Acidity
Mean: -96.115
Median: -80.78
Mode: -122.83
First Quartile: -114.31
Third Quartile: -77.92
Standard Deviation: 19.27

Sample Description	Sample Date	Measurement	Units
DW	4/15/2007 12:00:00 AM	-80.78	mg/l
DW	9/10/2007 12:00:00 AM	-122.83	mg/l
DW	3/12/2008 12:00:00 AM	-75.06	mg/l
DW	8/19/2008 12:00:00 AM	-105.79	mg/l

Iron
Mean: 2.5925
Median: 1.59
Mode: 0.04
First Quartile: 0.77
Third Quartile: 4.415
Standard Deviation: 2.75

Sample Description	Sample Date	Measurement	Units
DW	4/15/2007 12:00:00 AM	1.5	mg/l
DW	9/10/2007 12:00:00 AM	7.24	mg/l
DW	3/12/2008 12:00:00 AM	1.59	mg/l
DW	8/19/2008 12:00:00 AM	0.04	mg/l

Manganese
Mean: 4.95
Median: 5.17
Mode: 0.07
First Quartile: 1.93
Third Quartile: 7.97
Standard Deviation: 3.84

Sample Description	Sample Date	Measurement	Units
DW	4/15/2007 12:00:00 AM	3.79	mg/l
DW	9/10/2007 12:00:00 AM	10.77	mg/l
DW	3/12/2008 12:00:00 AM	5.17	mg/l
DW	8/19/2008 12:00:00 AM	0.07	mg/l

Aluminum
Mean: 0.6025
Median: 0.92
Mode: 0.16
First Quartile: 0.18
Third Quartile: 1.025
Standard Deviation: 0.43

Sample Description	Sample Date	Measurement	Units
DW	4/15/2007 12:00:00 AM	1.13	mg/l
DW	9/10/2007 12:00:00 AM	0.16	mg/l
DW	3/12/2008 12:00:00 AM	0.2	mg/l
DW	8/19/2008 12:00:00 AM	0.92	mg/l

Sulfate
Mean: 299.175
Median: 289.9
Mode: 277.8
First Quartile: 279.7

Third Quartile: 318.65
Standard Deviation: 28.18

Sample Description	Sample Date	Measurement	Units
DW	4/15/2007 12:00:00 AM	289.9	mg/l
DW	9/10/2007 12:00:00 AM	281.6	mg/l
DW	3/12/2008 12:00:00 AM	277.8	mg/l
DW	8/19/2008 12:00:00 AM	347.4	mg/l

Total Suspended Solids (TSS)

Mean: 7.66666666666667
Median: 11
Mode: 11
First Quartile: 6
Third Quartile: 0
Standard Deviation: 4.71

Sample Description	Sample Date	Measurement	Units
DW	4/15/2007 12:00:00 AM	11	mg/l
DW	9/10/2007 12:00:00 AM	11	mg/l
DW	3/12/2008 12:00:00 AM	1	mg/l

Alkalinity

Mean: 119.4325
Median: 127.72
Mode: 93.75
First Quartile: 101.175
Third Quartile: 137.69
Standard Deviation: 20.26

Sample Description	Sample Date	Measurement	Units
DW	4/15/2007 12:00:00 AM	93.75	mg/l
DW	9/10/2007 12:00:00 AM	147.66	mg/l
DW	3/12/2008 12:00:00 AM	108.6	mg/l
DW	8/19/2008 12:00:00 AM	127.72	mg/l

Flow

Mean: 263.333333333333
Median: 200
Mode: 190
First Quartile: 195
Third Quartile: 0
Standard Deviation: 96.72

Sample Description	Sample Date	Measurement	Units
DW	9/10/2007 12:00:00 AM	190	gpm
DW	3/12/2008 12:00:00 AM	400	gpm
DW	8/19/2008 12:00:00 AM	200	gpm

46.6 (LAB) Anna S Mine

pH

Mean: 3.5225
Median: 3.67
Mode: 2.9
First Quartile: 3.26
Third Quartile: 3.785
Standard Deviation: 0.37

Sample Description	Sample Date	Measurement	Units
DW	4/10/2007 12:00:00 AM	3.62	pH Units
DW	9/10/2007 12:00:00 AM	2.9	pH Units
DW	3/12/2008 12:00:00 AM	3.9	pH Units
DW	8/19/2008 12:00:00 AM	3.67	pH Units

Acidity

Mean: -0.0299999999999976
Median: 35.84
Mode: -98.02

First Quartile: -36.105
Third Quartile: 36.045
Standard Deviation: 56.73

Sample Description	Sample Date	Measurement	Units
DW	4/10/2007 12:00:00 AM	35.84	mg/l
DW	9/10/2007 12:00:00 AM	-98.02	mg/l
DW	3/12/2008 12:00:00 AM	25.81	mg/l
DW	8/19/2008 12:00:00 AM	36.25	mg/l

Iron
Mean: 0.3875
Median: 0.34
Mode: 0.1
First Quartile: 0.215
Third Quartile: 0.56
Standard Deviation: 0.25

Sample Description	Sample Date	Measurement	Units
DW	4/10/2007 12:00:00 AM	0.33	mg/l
DW	9/10/2007 12:00:00 AM	0.34	mg/l
DW	3/12/2008 12:00:00 AM	0.1	mg/l
DW	8/19/2008 12:00:00 AM	0.78	mg/l

Manganese
Mean: 4.1225
Median: 4.69
Mode: 2.55
First Quartile: 3.155
Third Quartile: 5.09
Standard Deviation: 1.1

Sample Description	Sample Date	Measurement	Units
DW	4/10/2007 12:00:00 AM	4.69	mg/l
DW	9/10/2007 12:00:00 AM	2.55	mg/l
DW	3/12/2008 12:00:00 AM	3.76	mg/l
DW	8/19/2008 12:00:00 AM	5.49	mg/l

Aluminum
Mean: 1.965
Median: 2.7
Mode: 0.04
First Quartile: 1.105
Third Quartile: 2.825
Standard Deviation: 1.15

Sample Description	Sample Date	Measurement	Units
DW	4/10/2007 12:00:00 AM	2.95	mg/l
DW	9/10/2007 12:00:00 AM	0.04	mg/l
DW	3/12/2008 12:00:00 AM	2.17	mg/l
DW	8/19/2008 12:00:00 AM	2.7	mg/l

Sulfate
Mean: 238.575
Median: 168.4
Mode: 137.1
First Quartile: 142.5
Third Quartile: 334.65
Standard Deviation: 151.87

Sample Description	Sample Date	Measurement	Units
DW	4/10/2007 12:00:00 AM	147.9	mg/l
DW	9/10/2007 12:00:00 AM	500.9	mg/l
DW	3/12/2008 12:00:00 AM	168.4	mg/l
DW	8/19/2008 12:00:00 AM	137.1	mg/l

Total Suspended Solids (TSS)
Mean: 2.66666666666667
Median: 2
Mode: 1
First Quartile: 1.5
Third Quartile: 0

Standard Deviation: 1.7

Sample Description	Sample Date	Measurement	Units
DW	4/10/2007 12:00:00 AM	2	mg/l
DW	9/10/2007 12:00:00 AM	5	mg/l
DW	3/12/2008 12:00:00 AM	1	mg/l

Alkalinity

Mean: 28.005
Median: 0
Mode: 0
First Quartile: 0
Third Quartile: 56.01
Standard Deviation: 48.51

Sample Description	Sample Date	Measurement	Units
DW	4/10/2007 12:00:00 AM	0	mg/l
DW	9/10/2007 12:00:00 AM	112.02	mg/l
DW	3/12/2008 12:00:00 AM		mg/l
DW	8/19/2008 12:00:00 AM		mg/l

Flow

Mean: 187.5
Median: 240
Mode: 10
First Quartile: 55
Third Quartile: 320
Standard Deviation: 147.54

Sample Description	Sample Date	Measurement	Units
DW	4/10/2007 12:00:00 AM	100	gpm
DW	9/10/2007 12:00:00 AM	240	gpm
DW	3/12/2008 12:00:00 AM	400	gpm
DW	8/19/2008 12:00:00 AM	10	gpm