

PA-92



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')

17.6 (LAB) Bear Run Mine

pH

Mean: 3.0575
Median: 3.09
Mode: 3.09
First Quartile: 3.025
Third Quartile: 3.09
Standard Deviation: 0.05

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	2.97 pH Units
DW	9/10/2007 12:00:00 AM	3.09 pH Units
DW	3/12/2008 12:00:00 AM	3.09 pH Units
DW	8/18/2008 12:00:00 AM	3.08 pH Units

Acidity

Mean: 107.62
Median: 108.74
Mode: 97.71
First Quartile: 102.315
Third Quartile: 112.925
Standard Deviation: 6.89

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	106.92 mg/l
DW	9/10/2007 12:00:00 AM	117.11 mg/l
DW	3/12/2008 12:00:00 AM	108.74 mg/l
DW	8/18/2008 12:00:00 AM	97.71 mg/l

Iron

Mean: 3.9675
Median: 4.47
Mode: 2.52
First Quartile: 2.92
Third Quartile: 5.015
Standard Deviation: 1.15

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	4.47 mg/l
DW	9/10/2007 12:00:00 AM	3.32 mg/l
DW	3/12/2008 12:00:00 AM	5.56 mg/l
DW	8/18/2008 12:00:00 AM	2.52 mg/l

Manganese

Mean: 2.94
Median: 3.18
Mode: 2.4
First Quartile: 2.605
Third Quartile: 3.275
Standard Deviation: 0.37

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	2.4 mg/l
DW	9/10/2007 12:00:00 AM	3.37 mg/l
DW	3/12/2008 12:00:00 AM	3.18 mg/l
DW	8/18/2008 12:00:00 AM	2.81 mg/l

Aluminum

Mean: 7.8975
Median: 8.35
Mode: 6.06
First Quartile: 6.49

Third Quartile: 9.305		
Standard Deviation: 1.59		
Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	6.06 mg/l
DW	9/10/2007 12:00:00 AM	8.35 mg/l
DW	3/12/2008 12:00:00 AM	6.92 mg/l
DW	8/18/2008 12:00:00 AM	10.26 mg/l

Sulfate		
Mean: 187.525		
Median: 180.5		
Mode: 141.2		
First Quartile: 151.35		
Third Quartile: 223.7		
Standard Deviation: 47.89		
Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	161.5 mg/l
DW	9/10/2007 12:00:00 AM	266.9 mg/l
DW	3/12/2008 12:00:00 AM	180.5 mg/l
DW	8/18/2008 12:00:00 AM	141.2 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	1 mg/l
DW	9/10/2007 12:00:00 AM	2 mg/l
DW	8/18/2008 12:00:00 AM	2 mg/l

Alkalinity		
Mean: 25.715		
Median: 0		
Mode: 0		
First Quartile: 0		
Third Quartile: 51.43		
Standard Deviation: 44.54		
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	102.86 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: 148.33333333333		
Median: 120		
Mode: 25		
First Quartile: 72.5		
Third Quartile: 0		
Standard Deviation: 114.04		
Sample Description	Sample Date	Measurement Units
DW	9/10/2007 12:00:00 AM	25 gpm
DW	3/12/2008 12:00:00 AM	300 gpm
DW	8/18/2008 12:00:00 AM	120 gpm

17.6A (LAB) Bear Run Mine

pH	
Mean: 6.815	
Median: 6.69	
Mode: 6.69	

First Quartile: 6.655
 Third Quartile: 6.975
 Standard Deviation: 0.26

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	7.26 pH Units
DW	9/10/2007 12:00:00 AM	6.62 pH Units
DW	3/12/2008 12:00:00 AM	6.69 pH Units
DW	8/18/2008 12:00:00 AM	6.69 pH Units

Acidity

Mean: -93.6025
 Median: -86.29
 Mode: -104.94
 First Quartile: -102.605
 Third Quartile: -84.6
 Standard Deviation: 9.23

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	-104.94 mg/l
DW	9/10/2007 12:00:00 AM	-82.91 mg/l
DW	3/12/2008 12:00:00 AM	-86.29 mg/l
DW	8/18/2008 12:00:00 AM	-100.27 mg/l

Iron

Mean: 1.725
 Median: 2
 Mode: 0.15
 First Quartile: 0.71
 Third Quartile: 2.74
 Standard Deviation: 1.21

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	2 mg/l
DW	3/12/2008 12:00:00 AM	1.27 mg/l
DW	8/18/2008 12:00:00 AM	3.48 mg/l

Manganese

Mean: 2.91
 Median: 2.69
 Mode: 0.48
 First Quartile: 1.58
 Third Quartile: 4.24
 Standard Deviation: 1.89

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	0.48 mg/l
DW	9/10/2007 12:00:00 AM	2.68 mg/l
DW	3/12/2008 12:00:00 AM	2.69 mg/l
DW	8/18/2008 12:00:00 AM	5.79 mg/l

Aluminum

Mean: 0.855
 Median: 1.25
 Mode: 0.1
 First Quartile: 0.13
 Third Quartile: 1.58
 Standard Deviation: 0.76

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	0.1 mg/l
DW	9/10/2007 12:00:00 AM	1.91 mg/l
DW	3/12/2008 12:00:00 AM	1.25 mg/l
DW	8/18/2008 12:00:00 AM	0.16 mg/l

Sulfate

Mean: 180.275
 Median: 180.5
 Mode: 147.9
 First Quartile: 161.7
 Third Quartile: 198.85

Standard Deviation: 24.67

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	147.9 mg/l
DW	9/10/2007 12:00:00 AM	175.5 mg/l
DW	3/12/2008 12:00:00 AM	180.5 mg/l
DW	8/18/2008 12:00:00 AM	217.2 mg/l

Total Suspended Solids (TSS)

Mean: 3.5

Median: 4

Mode: 3

First Quartile: 3

Third Quartile: 4

Standard Deviation: 0.5

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

Alkalinity

Mean: 92.805

Median: 120.25

Mode: 0

First Quartile: 56.95

Third Quartile: 128.66

Standard Deviation: 54.25

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	113.9 mg/l
DW	9/10/2007 12:00:00 AM	0 mg/l
DW	3/12/2008 12:00:00 AM	120.25 mg/l
DW	8/18/2008 12:00:00 AM	137.07 mg/l

Flow

Mean: 123.333333333333

Median: 120

Mode: 50

First Quartile: 85

Third Quartile: 0

Standard Deviation: 61.28

Sample Description	Sample Date	Measurement Units
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	120 gpm

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17.6A Bear Run Mine

Acidity

No Data Found for this Parameter

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pH

Mean: 6.86153846153846

Median: 7

Mode: 7

First Quartile: 7

Third Quartile: 7.35

Standard Deviation: 1.39

Sample Description	Sample Date	Measurement	Units
DW	5/27/2004 12:00:00 AM	6.9	pH Units
DW	6/26/2004 12:00:00 AM	7	pH Units
DW	7/17/2004 12:00:00 AM	7	pH Units
DW	8/21/2004 12:00:00 AM	7	pH Units
DW	9/18/2004 12:00:00 AM	7	pH Units
DW	11/20/2004 12:00:00 AM	7	pH Units
DW	12/20/2004 12:00:00 AM	6.5	pH Units
DW	1/22/2005 12:00:00 AM	7	pH Units
DW	2/17/2005 12:00:00 AM	7	pH Units
DW	3/12/2005 12:00:00 AM	7	pH Units
DW	4/23/2005 12:00:00 AM	7	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	pH Units
DW	10/15/2005 12:00:00 AM	7	pH Units
DW	11/13/2005 12:00:00 AM	7.5	pH Units
DW	12/17/2005 12:00:00 AM	7	pH Units
DW	1/14/2006 12:00:00 AM	7	pH Units
DW	2/12/2006 12:00:00 AM	7	pH Units
DW	3/4/2006 12:00:00 AM	7	pH Units
DW	4/15/2006 12:00:00 AM	7.5	pH Units
DW	5/13/2006 12:00:00 AM	7.5	pH Units
DW	6/18/2006 12:00:00 AM	7.0	pH Units
DW	7/15/2006 12:00:00 AM	7.0	pH Units
DW	8/12/2006 12:00:00 AM	7.5	pH Units
DW	9/17/2006 12:00:00 AM	7.5	pH Units
DW	10/15/2006 12:00:00 AM	7.5	pH Units
DW	11/24/2006 12:00:00 AM	7	pH Units
DW	12/16/2006 12:00:00 AM	7.5	pH Units
DW	1/20/2007 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	7.2	pH Units
DW	6/23/2007 12:00:00 AM	7	pH Units
DW	7/14/2007 12:00:00 AM	7.3	pH Units
DW	8/25/2007 12:00:00 AM	7	pH Units
DW	9/15/2007 12:00:00 AM	7.3	pH Units
DW	10/13/2007 12:00:00 AM	7	pH Units
DW	1/15/2008 12:00:00 AM	7	pH Units
DW	2/15/2008 12:00:00 AM	7.5	pH Units
DW	3/15/2008 12:00:00 AM	7	pH Units
DW	4/19/2008 12:00:00 AM	7.5	pH Units
DW	5/17/2008 12:00:00 AM	7.4	pH Units
DW	6/14/2008 12:00:00 AM	7.5	pH Units
DW	7/19/2008 12:00:00 AM	7.2	pH Units
DW	8/17/2008 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		pH Units
DW	11/15/2008 12:00:00 AM		pH Units

Alkalinity

Mean: 147.076923076923

Median: 140

Mode: 140

First Quartile: 120

Third Quartile: 180

Standard Deviation: 52.08

Sample Description	Sample Date	Measurement	Units
DW	5/27/2004 12:00:00 AM	95	mg/l
DW	6/26/2004 12:00:00 AM	95	mg/l
DW	7/17/2004 12:00:00 AM	170	mg/l
DW	8/21/2004 12:00:00 AM	188	mg/l
DW	9/18/2004 12:00:00 AM	140	mg/l
DW	10/16/2004 12:00:00 AM	140	mg/l
DW	11/20/2004 12:00:00 AM	120	mg/l
DW	12/20/2004 12:00:00 AM	120	mg/l
DW	1/22/2005 12:00:00 AM	140	mg/l
DW	2/17/2005 12:00:00 AM	120	mg/l
DW	3/12/2005 12:00:00 AM	120	mg/l
DW	4/23/2005 12:00:00 AM	140	mg/l
DW	5/21/2005 12:00:00 AM	140	mg/l
DW	6/13/2005 12:00:00 AM	80	mg/l
DW	7/16/2005 12:00:00 AM	140	mg/l
DW	8/13/2005 12:00:00 AM	200	mg/l
DW	9/17/2005 12:00:00 AM	200	mg/l
DW	10/15/2005 12:00:00 AM	260	mg/l
DW	11/13/2005 12:00:00 AM	100	mg/l
DW	12/17/2005 12:00:00 AM	120	mg/l
DW	1/14/2006 12:00:00 AM	140	mg/l
DW	2/12/2006 12:00:00 AM	100	mg/l
DW	3/4/2006 12:00:00 AM	100	mg/l
DW	4/15/2006 12:00:00 AM	160	mg/l
DW	5/13/2006 12:00:00 AM	140	mg/l
DW	6/18/2006 12:00:00 AM	180	mg/l
DW	7/15/2006 12:00:00 AM	200	mg/l
DW	8/12/2006 12:00:00 AM	160	mg/l
DW	9/17/2006 12:00:00 AM	220	mg/l
DW	10/15/2006 12:00:00 AM	200	mg/l
DW	11/24/2006 12:00:00 AM	140	mg/l
DW	12/16/2006 12:00:00 AM	140	mg/l
DW	2/20/2007 12:00:00 AM	160	mg/l
DW	3/10/2007 12:00:00 AM	160	mg/l
DW	4/21/2007 12:00:00 AM	100	mg/l
DW	5/19/2007 12:00:00 AM	160	mg/l
DW	6/23/2007 12:00:00 AM	140	mg/l
DW	7/14/2007 12:00:00 AM	180	mg/l
DW	8/25/2007 12:00:00 AM	220	mg/l
DW	9/15/2007 12:00:00 AM	280	mg/l
DW	10/13/2007 12:00:00 AM	200	mg/l
DW	1/15/2008 12:00:00 AM	80	mg/l
DW	2/15/2008 12:00:00 AM	140	mg/l
DW	3/15/2008 12:00:00 AM	180	mg/l
DW	4/19/2008 12:00:00 AM	160	mg/l
DW	5/17/2008 12:00:00 AM	120	mg/l
DW	6/14/2008 12:00:00 AM	200	mg/l
DW	7/19/2008 12:00:00 AM	100	mg/l
DW	8/17/2008 12:00:00 AM	160	mg/l
DW	9/13/2008 12:00:00 AM	200	mg/l
DW	10/18/2008 12:00:00 AM		mg/l
DW	11/15/2008 12:00:00 AM		mg/l

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