

PA-11



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')

57.1C (LAB) Ratter Mine

pH

Mean: 5.795
Median: 6.54
Mode: 3.87
First Quartile: 4.995
Third Quartile: 6.595
Standard Deviation: 1.13

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	3.87 pH Units
DW	9/10/2007 12:00:00 AM	6.12 pH Units
DW	8/19/2008 12:00:00 AM	6.54 pH Units
DW	9/3/2008 12:00:00 AM	6.65 pH Units

Acidity

Mean: -11.7525
Median: -16.76
Mode: -50.43
First Quartile: -43.735
Third Quartile: 20.23
Standard Deviation: 41.59

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	57.22 mg/l
DW	9/10/2007 12:00:00 AM	-16.76 mg/l
DW	8/19/2008 12:00:00 AM	-50.43 mg/l
DW	9/3/2008 12:00:00 AM	-37.04 mg/l

Iron

Mean: 1.3575
Median: 1.76
Mode: 0.9
First Quartile: 0.93
Third Quartile: 1.785
Standard Deviation: 0.43

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	1.81 mg/l
DW	9/10/2007 12:00:00 AM	1.76 mg/l
DW	8/19/2008 12:00:00 AM	0.96 mg/l
DW	9/3/2008 12:00:00 AM	0.9 mg/l

Manganese

Mean: 1.0725
Median: 1.56
Mode: 0.31
First Quartile: 0.405
Third Quartile: 1.74
Standard Deviation: 0.68

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	1.56 mg/l
DW	9/10/2007 12:00:00 AM	1.92 mg/l
DW	8/19/2008 12:00:00 AM	0.31 mg/l
DW	9/3/2008 12:00:00 AM	0.5 mg/l

Aluminum

Mean: 1.9575
Median: 0.72
Mode: 0.1
First Quartile: 0.36

Third Quartile: 3.555
Standard Deviation: 2.57

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	6.39 mg/l
DW	9/10/2007 12:00:00 AM	0.72 mg/l
DW	8/19/2008 12:00:00 AM	0.62 mg/l
DW	9/3/2008 12:00:00 AM	0.1 mg/l

Sulfate

Mean: 431.175
Median: 439.3
Mode: 393.1
First Quartile: 414.2
Third Quartile: 448.15
Standard Deviation: 23.45

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	393.1 mg/l
DW	9/10/2007 12:00:00 AM	457 mg/l
DW	8/19/2008 12:00:00 AM	439.3 mg/l
DW	9/3/2008 12:00:00 AM	435.3 mg/l

Total Suspended Solids (TSS)

Mean: 16.75
Median: 4
Mode: 2
First Quartile: 2.5
Third Quartile: 31
Standard Deviation: 23.83

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	58 mg/l
DW	8/19/2008 12:00:00 AM	4 mg/l
DW	9/3/2008 12:00:00 AM	3 mg/l

Alkalinity

Mean: 53.4525
Median: 67.72
Mode: 0
First Quartile: 26.35
Third Quartile: 80.555
Standard Deviation: 34.12

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	93.39 mg/l
DW	8/19/2008 12:00:00 AM	67.72 mg/l
DW	9/3/2008 12:00:00 AM	52.7 mg/l

Flow

Mean: 10
Median: 10
Mode: 10
First Quartile: 10
Third Quartile: 0
Standard Deviation: 0

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

57.1 (LAB) Rattler Mine

pH

Mean: 2.67
Median: 2.71

Mode: 2.61		
First Quartile: 2.615		
Third Quartile: 2.725		
Standard Deviation: 0.06		
Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	2.62 pH Units
DW	9/10/2007 12:00:00 AM	2.61 pH Units
DW	3/12/2008 12:00:00 AM	2.71 pH Units
DW	8/19/2008 12:00:00 AM	2.74 pH Units

Acidity		
Mean: 341.255		
Median: 358.62		
Mode: 269.5		
First Quartile: 297.28		
Third Quartile: 385.23		
Standard Deviation: 51.71		
Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	411.84 mg/l
DW	9/10/2007 12:00:00 AM	358.62 mg/l
DW	3/12/2008 12:00:00 AM	325.06 mg/l
DW	8/19/2008 12:00:00 AM	269.5 mg/l

Iron		
Mean: 40.75		
Median: 46.18		
Mode: 25.23		
First Quartile: 29.28		
Third Quartile: 52.22		
Standard Deviation: 12.57		
Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	33.33 mg/l
DW	9/10/2007 12:00:00 AM	46.18 mg/l
DW	3/12/2008 12:00:00 AM	58.26 mg/l
DW	8/19/2008 12:00:00 AM	25.23 mg/l

Manganese		
Mean: 1.95		
Median: 2.21		
Mode: 1.38		
First Quartile: 1.51		
Third Quartile: 2.39		
Standard Deviation: 0.47		
Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	1.38 mg/l
DW	9/10/2007 12:00:00 AM	2.57 mg/l
DW	3/12/2008 12:00:00 AM	1.64 mg/l
DW	8/19/2008 12:00:00 AM	2.21 mg/l

Aluminum		
Mean: 18.445		
Median: 19.57		
Mode: 11.8		
First Quartile: 15.435		
Third Quartile: 21.455		
Standard Deviation: 4.18		
Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	11.8 mg/l
DW	9/10/2007 12:00:00 AM	19.57 mg/l
DW	3/12/2008 12:00:00 AM	19.07 mg/l
DW	8/19/2008 12:00:00 AM	23.34 mg/l

Sulfate		
Mean: 363.075		
Median: 366		
Mode: 334.7		
First Quartile: 349.8		

Third Quartile: 376.35
Standard Deviation: 18.54

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	334.7 mg/l
DW	9/10/2007 12:00:00 AM	366 mg/l
DW	3/12/2008 12:00:00 AM	386.7 mg/l
DW	8/19/2008 12:00:00 AM	364.9 mg/l

Total Suspended Solids (TSS)

Mean: 2.25
Median: 2
Mode: 2
First Quartile: 1.5
Third Quartile: 3
Standard Deviation: 1.09

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	3/12/2008 12:00:00 AM	2 mg/l
DW	8/19/2008 12:00:00 AM	4 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	8/19/2008 12:00:00 AM	0 mg/l

Flow

Mean: 23.333333333333
Median: 10
Mode: 10
First Quartile: 10
Third Quartile: 0
Standard Deviation: 18.86

Sample Description	Sample Date	Measurement Units
DW	9/10/2007 12:00:00 AM	10 gpm
DW	3/12/2008 12:00:00 AM	50 gpm
DW	8/19/2008 12:00:00 AM	10 gpm

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57.1C Rattler Mine

Alkalinity

Mean: 38.125

Median: 20

Mode: 7

First Quartile: 7

Third Quartile: 75

Standard Deviation: 39.13

Sample Description	Sample Date	Measurement	Units
BB	6/29/2004 12:00:00 AM	102	mg/l
BB	7/22/2004 12:00:00 AM	137	mg/l
BB	8/26/2004 12:00:00 AM	120	mg/l
BB	9/14/2004 12:00:00 AM	103	mg/l
BB	10/2/2004 12:00:00 AM	62	mg/l
BB	10/28/2004 12:00:00 AM	96	mg/l
BB	11/27/2004 12:00:00 AM	84	mg/l
BB	12/29/2004 12:00:00 AM	7	mg/l
BB	3/21/2005 12:00:00 AM	103	mg/l
BB	4/22/2005 12:00:00 AM	75	mg/l
BB	5/30/2005 12:00:00 AM	75	mg/l
BB	6/14/2005 12:00:00 AM	82	mg/l
BB	7/22/2005 12:00:00 AM	86	mg/l
BB	8/30/2005 12:00:00 AM	41	mg/l
BB	9/28/2005 12:00:00 AM	27	mg/l
BB	10/31/2005 12:00:00 AM	62	mg/l
BB	12/1/2005 12:00:00 AM	7	mg/l
BB	2/4/2006 12:00:00 AM	7	mg/l
BB	3/8/2006 12:00:00 AM	34	mg/l
BB	4/26/2006 12:00:00 AM	21	mg/l
BB	5/20/2006 12:00:00 AM	27	mg/l
BB	6/29/2006 12:00:00 AM	7	mg/l
BB	7/24/2006 12:00:00 AM	7	mg/l
BB	8/26/2006 12:00:00 AM	14	mg/l
BB	9/24/2006 12:00:00 AM	7	mg/l
BB	10/31/2006 12:00:00 AM	7	mg/l
BB	12/23/2006 12:00:00 AM	10	mg/l
DW	1/27/2007 12:00:00 AM	20	mg/l
DW	2/20/2007 12:00:00 AM	10	mg/l
DW	3/10/2007 12:00:00 AM	10	mg/l
DW	4/21/2007 12:00:00 AM	5	mg/l
DW	5/19/2007 12:00:00 AM	10	mg/l
DW	6/23/2007 12:00:00 AM	0	mg/l
DW	7/14/2007 12:00:00 AM	20	mg/l
DW	8/25/2007 12:00:00 AM	80	mg/l
DW	9/15/2007 12:00:00 AM	60	mg/l
DW	12/10/2007 12:00:00 AM	20	mg/l
DW	1/15/2008 12:00:00 AM	5	mg/l
DW	2/15/2008 12:00:00 AM	10	mg/l
DW	3/15/2008 12:00:00 AM	10	mg/l
DW	4/19/2008 12:00:00 AM	0	mg/l
DW	5/17/2008 12:00:00 AM	0	mg/l
DW	6/14/2008 12:00:00 AM	0	mg/l
DW	7/19/2008 12:00:00 AM	0	mg/l
DW	8/14/2008 12:00:00 AM	0	mg/l
DW	9/13/2008 12:00:00 AM	100	mg/l
DW	10/18/2008 12:00:00 AM	40	mg/l
DW	11/15/2008 12:00:00 AM	20	mg/l

pH

Mean: 5.79

Median: 6

Mode: 4.5		
First Quartile: 4.5		
Third Quartile: 6.9		
Standard Deviation: 1.31		
Sample Description	Sample Date	Measurement Units
BB	6/29/2004 12:00:00 AM	6.9 pH Units
BB	7/15/2004 12:00:00 AM	7.7 pH Units
BB	7/22/2004 12:00:00 AM	7.9 pH Units
BB	8/26/2004 12:00:00 AM	7.4 pH Units
BB	9/14/2004 12:00:00 AM	6.6 pH Units
BB	10/2/2004 12:00:00 AM	6.6 pH Units
BB	10/28/2004 12:00:00 AM	7.4 pH Units
BB	11/27/2004 12:00:00 AM	6.9 pH Units
BB	12/29/2004 12:00:00 AM	4.4 pH Units
BB	3/21/2005 12:00:00 AM	6.7 pH Units
BB	4/22/2005 12:00:00 AM	7.4 pH Units
BB	5/30/2005 12:00:00 AM	7.5 pH Units
BB	6/14/2005 12:00:00 AM	7.7 pH Units
BB	7/22/2005 12:00:00 AM	7.7 pH Units
BB	8/30/2005 12:00:00 AM	7.2 pH Units
BB	9/28/2005 12:00:00 AM	7.1 pH Units
BB	10/31/2005 12:00:00 AM	7 pH Units
BB	12/1/2005 12:00:00 AM	4.4 pH Units
BB	2/4/2006 12:00:00 AM	5.1 pH Units
BB	3/8/2006 12:00:00 AM	6 pH Units
BB	4/26/2006 12:00:00 AM	6.7 pH Units
BB	5/20/2006 12:00:00 AM	6.3 pH Units
BB	6/29/2006 12:00:00 AM	5.7 pH Units
BB	7/24/2006 12:00:00 AM	5.9 pH Units
BB	8/26/2006 12:00:00 AM	6.6 pH Units
BB	9/24/2006 12:00:00 AM	5.1 pH Units
BB	10/31/2006 12:00:00 AM	3.8 pH Units
BB	11/25/2006 12:00:00 AM	2.9 pH Units
BB	12/23/2006 12:00:00 AM	4.5 pH Units
DW	1/27/2007 12:00:00 AM	5 pH Units
DW	2/20/2007 12:00:00 AM	4.5 pH Units
DW	3/10/2007 12:00:00 AM	4.5 pH Units
DW	4/21/2007 12:00:00 AM	4 pH Units
DW	5/19/2007 12:00:00 AM	4.5 pH Units
DW	6/23/2007 12:00:00 AM	4 pH Units
DW	7/14/2007 12:00:00 AM	5 pH Units
DW	8/25/2007 12:00:00 AM	6 pH Units
DW	9/15/2007 12:00:00 AM	6.5 pH Units
DW	12/10/2007 12:00:00 AM	6 pH Units
DW	1/15/2008 12:00:00 AM	4.9 pH Units
DW	2/15/2008 12:00:00 AM	5.5 pH Units
DW	3/15/2008 12:00:00 AM	4.5 pH Units
DW	4/19/2008 12:00:00 AM	4 pH Units
DW	5/17/2008 12:00:00 AM	4.5 pH Units
DW	6/14/2008 12:00:00 AM	5 pH Units
DW	7/19/2008 12:00:00 AM	4.5 pH Units
DW	8/14/2008 12:00:00 AM	4 pH Units
DW	9/13/2008 12:00:00 AM	7.5 pH Units
DW	10/18/2008 12:00:00 AM	6.5 pH Units
DW	11/15/2008 12:00:00 AM	5.5 pH Units

Acidity		
Mean: 51		
Median: 51		
Mode: 51		
First Quartile: 0		
Third Quartile: 0		
Standard Deviation: 0		
Sample Description	Sample Date	Measurement Units
BB	11/25/2006 12:00:00 AM	51 mg/l

57.1 Rattler Mine**Alkalinity**

No Data Found for this Parameter

pH

Mean: 2.392

Median: 2.4

Mode: 2.3

First Quartile: 2.3

Third Quartile: 2.5

Standard Deviation: 0.42

Sample Description	Sample Date	Measurement	Units
DW	3/23/2004 12:00:00 AM	4	pH Units
BB	9/14/2004 12:00:00 AM	2.3	pH Units
BB	10/2/2004 12:00:00 AM	2.5	pH Units
BB	10/28/2004 12:00:00 AM	2.3	pH Units
BB	11/27/2004 12:00:00 AM	2.3	pH Units
BB	12/29/2004 12:00:00 AM	2.3	pH Units
BB	3/21/2005 12:00:00 AM	2.4	pH Units
BB	4/22/2005 12:00:00 AM	2.4	pH Units
BB	5/30/2005 12:00:00 AM	2.4	pH Units
BB	6/14/2005 12:00:00 AM	2.5	pH Units
BB	7/22/2005 12:00:00 AM	2.5	pH Units
BB	8/30/2005 12:00:00 AM	2.5	pH Units
BB	9/28/2005 12:00:00 AM	2.5	pH Units
BB	10/31/2005 12:00:00 AM	2.5	pH Units
BB	12/1/2005 12:00:00 AM	2.3	pH Units
BB	2/4/2006 12:00:00 AM	2.3	pH Units
BB	3/8/2006 12:00:00 AM	2.5	pH Units
BB	4/26/2006 12:00:00 AM	1.5	pH Units
BB	5/20/2006 12:00:00 AM	1.5	pH Units
BB	6/29/2006 12:00:00 AM	2.5	pH Units
BB	7/24/2006 12:00:00 AM	2.4	pH Units
BB	8/26/2006 12:00:00 AM	2.4	pH Units
BB	9/24/2006 12:00:00 AM	2.4	pH Units
BB	10/31/2006 12:00:00 AM	2.3	pH Units
BB	11/25/2006 12:00:00 AM	2.3	pH Units

Acidity

Mean: 297.869565217391

Median: 291

Mode: 239

First Quartile: 265.5

Third Quartile: 0

Standard Deviation: 68.02

Sample Description	Sample Date	Measurement	Units
BB	9/14/2004 12:00:00 AM	274	mg/l
BB	10/2/2004 12:00:00 AM	308	mg/l
BB	10/28/2004 12:00:00 AM	274	mg/l
BB	11/27/2004 12:00:00 AM	291	mg/l
BB	12/29/2004 12:00:00 AM	239	mg/l
BB	4/22/2005 12:00:00 AM	239	mg/l
BB	5/30/2005 12:00:00 AM	321	mg/l
BB	6/14/2005 12:00:00 AM	328	mg/l
BB	7/22/2005 12:00:00 AM	239	mg/l
BB	8/30/2005 12:00:00 AM	359	mg/l
BB	9/28/2005 12:00:00 AM	359	mg/l
BB	10/31/2005 12:00:00 AM	428	mg/l
BB	12/1/2005 12:00:00 AM	445	mg/l
BB	2/4/2006 12:00:00 AM	120	mg/l
BB	3/8/2006 12:00:00 AM	205	mg/l
BB	4/26/2006 12:00:00 AM	291	mg/l
BB	5/20/2006 12:00:00 AM	274	mg/l
BB	6/29/2006 12:00:00 AM	342	mg/l
BB	7/24/2006 12:00:00 AM	291	mg/l
BB	8/26/2006 12:00:00 AM	300	mg/l
BB	9/24/2006 12:00:00 AM	342	mg/l
BB	10/31/2006 12:00:00 AM	325	mg/l
BB	11/25/2007 12:00:00 AM	257	mg/l

57.1A Rattler Mine**Alkalinity**

No Data Found for this Parameter

pH

Mean: 4.6

Median: 4.8

Mode: 4.4

First Quartile: 4.4

Third Quartile: 4.8

Standard Deviation: 0.2

Sample Description	Sample Date	Measurement Units
DW/BB	4/12/2004 12:00:00 AM	4.8 pH Units
BB	8/26/2004 12:00:00 AM	4.4 pH Units

Acidity

No Data Found for this Parameter

57.1B Rattler Mine**Alkalinity**

Mean: 144

Median: 144

Mode: 144

First Quartile: 0

Third Quartile: 0

Standard Deviation: 0

Sample Description	Sample Date	Measurement Units
DW/BB	4/12/2004 12:00:00 AM	144 mg/l

pH

Mean: 6.3

Median: 6.4

Mode: 6.2

First Quartile: 6.2

Third Quartile: 6.4

Standard Deviation: 0.1

Sample Description	Sample Date	Measurement Units
DW/BB	4/12/2004 12:00:00 AM	6.2 pH Units
BB	8/26/2004 12:00:00 AM	6.4 pH Units

Acidity

No Data Found for this Parameter

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