

PA-49



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')

57.3C (LAB) Rattler Mine

pH

Mean: 5.03333333333333
 Median: 5.7
 Mode: 3.05
 First Quartile: 4.375
 Third Quartile: 0
 Standard Deviation: 1.43

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	3.05 pH Units
DW	3/12/2008 12:00:00 AM	5.7 pH Units
DW	9/3/2008 12:00:00 AM	6.35 pH Units

Acidity

Mean: 66.3866666666667
 Median: -0.99
 Mode: -33.69
 First Quartile: -17.34
 Third Quartile: 0
 Standard Deviation: 119.16

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	233.84 mg/l
DW	3/12/2008 12:00:00 AM	-0.99 mg/l
DW	9/3/2008 12:00:00 AM	-33.69 mg/l

Iron

Mean: 25.09
 Median: 28.39
 Mode: 10.93
 First Quartile: 19.66
 Third Quartile: 0
 Standard Deviation: 10.48

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	35.95 mg/l
DW	3/12/2008 12:00:00 AM	10.93 mg/l
DW	9/3/2008 12:00:00 AM	28.39 mg/l

Manganese

Mean: 3.21666666666667
 Median: 3.11
 Mode: 2.9
 First Quartile: 3.005
 Third Quartile: 0
 Standard Deviation: 0.31

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	3.11 mg/l
DW	3/12/2008 12:00:00 AM	2.9 mg/l
DW	9/3/2008 12:00:00 AM	3.64 mg/l

Aluminum

Mean: 10.2333333333333
 Median: 11.45
 Mode: 0.43
 First Quartile: 5.94
 Third Quartile: 0
 Standard Deviation: 7.56

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	18.82 mg/l

DW	3/12/2008 12:00:00 AM	11.45	mg/l
DW	9/3/2008 12:00:00 AM	0.43	mg/l

Sulfate
 Mean: 716.6
 Median: 657.7
 Mode: 526.9
 First Quartile: 592.3
 Third Quartile: 0
 Standard Deviation: 183.72

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	657.7 mg/l
DW	3/12/2008 12:00:00 AM	526.9 mg/l
DW	9/3/2008 12:00:00 AM	965.2 mg/l

Total Suspended Solids (TSS)
 Mean: 15
 Median: 16
 Mode: 6
 First Quartile: 11
 Third Quartile: 0
 Standard Deviation: 6.98

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	23 mg/l
DW	3/12/2008 12:00:00 AM	16 mg/l
DW	9/3/2008 12:00:00 AM	6 mg/l

Alkalinity
 Mean: 25.19
 Median: 17.29
 Mode: 0
 First Quartile: 8.645
 Third Quartile: 0
 Standard Deviation: 24.44

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	0 mg/l
DW	3/12/2008 12:00:00 AM	17.29 mg/l
DW	9/3/2008 12:00:00 AM	58.28 mg/l

Flow
 Mean: 32.5
 Median: 50
 Mode: 15
 First Quartile: 15
 Third Quartile: 50
 Standard Deviation: 17.5

Sample Description	Sample Date	Measurement Units
DW	3/12/2008 12:00:00 AM	50 gpm
DW	9/3/2008 12:00:00 AM	15 gpm

57.3 (LAB)Rattler Mine

pH
 Mean: 2.66666666666667
 Median: 2.69
 Mode: 2.57
 First Quartile: 2.63
 Third Quartile: 0
 Standard Deviation: 0.07

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	2.57 pH Units
DW	3/12/2008 12:00:00 AM	2.74 pH Units
DW	9/3/2008 12:00:00 AM	2.69 pH Units

Acidity		
Mean: 498.96		
Median: 495.46		
Mode: 442.73		
First Quartile: 469.095		
Third Quartile: 0		
Standard Deviation: 47.41		
Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	442.73 mg/l
DW	3/12/2008 12:00:00 AM	495.46 mg/l
DW	9/3/2008 12:00:00 AM	558.69 mg/l

Iron		
Mean: 85.9066666666667		
Median: 80.3		
Mode: 79.42		
First Quartile: 79.86		
Third Quartile: 0		
Standard Deviation: 8.56		
Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	80.3 mg/l
DW	3/12/2008 12:00:00 AM	79.42 mg/l
DW	9/3/2008 12:00:00 AM	98 mg/l

Manganese		
Mean: 3.49333333333333		
Median: 3.28		
Mode: 3.27		
First Quartile: 3.275		
Third Quartile: 0		
Standard Deviation: 0.31		
Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	3.28 mg/l
DW	3/12/2008 12:00:00 AM	3.27 mg/l
DW	9/3/2008 12:00:00 AM	3.93 mg/l

Aluminum		
Mean: 42.0833333333333		
Median: 39.58		
Mode: 25.8		
First Quartile: 32.69		
Third Quartile: 0		
Standard Deviation: 14.43		
Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	25.8 mg/l
DW	3/12/2008 12:00:00 AM	39.58 mg/l
DW	9/3/2008 12:00:00 AM	60.87 mg/l

Sulfate		
Mean: 557.566666666667		
Median: 575.4		
Mode: 496.1		
First Quartile: 535.75		
Third Quartile: 0		
Standard Deviation: 44.72		
Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	496.1 mg/l
DW	3/12/2008 12:00:00 AM	575.4 mg/l
DW	9/3/2008 12:00:00 AM	601.2 mg/l

Total Suspended Solids (TSS)		
Mean: 5		
Median: 5		
Mode: 4		
First Quartile: 4.5		
Third Quartile: 0		

Standard Deviation: 0.82		
Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	4 mg/l
DW	3/12/2008 12:00:00 AM	5 mg/l
DW	9/3/2008 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	3/12/2008 12:00:00 AM	mg/l
DW	9/3/2008 12:00:00 AM	mg/l

Flow		
Mean: 28.5		
Median: 50		
Mode: 7		
First Quartile: 7		
Third Quartile: 50		
Standard Deviation: 21.5		
Sample Description	Sample Date	Measurement Units
DW	3/12/2008 12:00:00 AM	50 gpm
DW	9/3/2008 12:00:00 AM	7 gpm

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57.3C Rattler Mine

Acidity

Mean: 90.1538461538462
 Median: 86
 Mode: 68
 First Quartile: 65
 Third Quartile: 116
 Standard Deviation: 46.67

Sample Description	Sample Date	Measurement	Units
BB	10/2/2004 12:00:00 AM	150	mg/l
BB	12/29/2004 12:00:00 AM	109	mg/l
BB	3/21/2005 12:00:00 AM	27	mg/l
BB	4/22/2005 12:00:00 AM	62	mg/l
BB	12/1/2005 12:00:00 AM	>109	mg/l
BB	2/4/2006 12:00:00 AM	123	mg/l
BB	3/8/2006 12:00:00 AM	68	mg/l
BB	4/26/2006 12:00:00 AM	68	mg/l
BB	6/29/2006 12:00:00 AM	103	mg/l
BB	7/24/2006 12:00:00 AM	68	mg/l
BB	9/24/2006 12:00:00 AM	86	mg/l
BB	10/31/2006 12:00:00 AM	137	mg/l
BB	11/25/2006 12:00:00 AM	171	mg/l

pH

Mean: 5.174
 Median: 5
 Mode: 4.5
 First Quartile: 4.2
 Third Quartile: 6.5
 Standard Deviation: 1.3

Sample Description	Sample Date	Measurement	Units
DW/BB	4/12/2004 12:00:00 AM	4.2	pH Units
BB	6/29/2004 12:00:00 AM	6.6	pH Units
BB	7/15/2004 12:00:00 AM	6.5	pH Units
BB	7/22/2004 12:00:00 AM	6.6	pH Units
BB	8/20/2004 12:00:00 AM	6.9	pH Units
BB	8/26/2004 12:00:00 AM	6.4	pH Units
BB	9/14/2004 12:00:00 AM	5.2	pH Units
BB	10/2/2004 12:00:00 AM	3.6	pH Units
BB	11/27/2004 12:00:00 AM	4.8	pH Units
BB	12/29/2004 12:00:00 AM	3.5	pH Units
BB	3/21/2005 12:00:00 AM	4	pH Units
BB	4/22/2005 12:00:00 AM	4.5	pH Units
BB	5/30/2005 12:00:00 AM	6.3	pH Units
BB	6/14/2005 12:00:00 AM	6.4	pH Units
BB	7/22/2005 12:00:00 AM	6.7	pH Units
BB	8/30/2005 12:00:00 AM	6.3	pH Units
BB	9/28/2005 12:00:00 AM	6.8	pH Units
BB	10/31/2005 12:00:00 AM	4.3	pH Units
BB	12/1/2005 12:00:00 AM	3	pH Units
BB	2/4/2006 12:00:00 AM	3	pH Units
BB	3/8/2006 12:00:00 AM	3.4	pH Units
BB	4/26/2006 12:00:00 AM	3.7	pH Units
BB	5/20/2006 12:00:00 AM	4.5	pH Units
BB	6/29/2006 12:00:00 AM	3.6	pH Units
BB	7/24/2006 12:00:00 AM	4.0	pH Units
BB	8/26/2006 12:00:00 AM	5.9	pH Units
BB	9/26/2006 12:00:00 AM	3.8	pH Units
BB	10/31/2006 12:00:00 AM	2.8	pH Units
BB	11/25/2006 12:00:00 AM	2.7	pH Units
DW	12/23/2006 12:00:00 AM	4.5	pH Units

DW	1/27/2007 12:00:00 AM	4.5	pH Units
DW	2/20/2007 12:00:00 AM	4.5	pH Units
DW	3/10/2007 12:00:00 AM	4.7	pH Units
DW	4/21/2007 12:00:00 AM	4.5	pH Units
DW	5/19/2007 12:00:00 AM	4.5	pH Units
DW	6/23/2007 12:00:00 AM	6	pH Units
DW	7/14/2007 12:00:00 AM	6.5	pH Units
DW	8/25/2007 12:00:00 AM	5.5	pH Units
DW	9/15/2007 12:00:00 AM	6.2	pH Units
DW	12/10/2007 12:00:00 AM	7.3	pH Units
DW	1/15/2008 12:00:00 AM	6.5	pH Units
DW	2/15/2008 12:00:00 AM	5	pH Units
DW	3/15/2008 12:00:00 AM	6	pH Units
DW	4/19/2008 12:00:00 AM	6	pH Units
DW	5/17/2008 12:00:00 AM	5	pH Units
DW	6/14/2008 12:00:00 AM	5	pH Units
DW	7/19/2008 12:00:00 AM	6.5	pH Units
DW	8/14/2008 12:00:00 AM	6.5	pH Units
DW	9/13/2008 12:00:00 AM	7	pH Units
DW	10/18/2008 12:00:00 AM	6.5	pH Units

Alkalinity

Mean: 62.3235294117647

Median: 41

Mode: 0

First Quartile: 14

Third Quartile: 96

Standard Deviation: 56.96

Sample Description	Sample Date	Measurement	Units
BB	6/29/2004 12:00:00 AM	143	mg/l
BB	7/22/2004 12:00:00 AM	137	mg/l
BB	8/26/2004 12:00:00 AM	86	mg/l
BB	9/14/2004 12:00:00 AM	14	mg/l
BB	11/27/2004 12:00:00 AM	21	mg/l
BB	5/30/2005 12:00:00 AM	103	mg/l
BB	6/14/2005 12:00:00 AM	130	mg/l
BB	7/22/2005 12:00:00 AM	157	mg/l
BB	8/30/2005 12:00:00 AM	89	mg/l
BB	9/28/2005 12:00:00 AM	96	mg/l
BB	10/31/2005 12:00:00 AM	7	mg/l
BB	5/20/2006 12:00:00 AM	7	mg/l
BB	8/26/2006 12:00:00 AM	41	mg/l
DW	12/23/2006 12:00:00 AM	0	mg/l
DW	1/27/2007 12:00:00 AM	8	mg/l
DW	2/20/2007 12:00:00 AM	0	mg/l
DW	3/10/2007 12:00:00 AM	0	mg/l
DW	4/21/2007 12:00:00 AM	0	mg/l
DW	5/19/2007 12:00:00 AM	0	mg/l
DW	6/23/2007 12:00:00 AM	120	mg/l
DW	7/14/2007 12:00:00 AM	80	mg/l
DW	8/25/2007 12:00:00 AM	20	mg/l
DW	9/15/2007 12:00:00 AM	40	mg/l
DW	12/10/2007 12:00:00 AM	80	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	40	mg/l
DW	4/19/2008 12:00:00 AM	80	mg/l
DW	5/17/2008 12:00:00 AM	20	mg/l
DW	6/14/2008 12:00:00 AM	20	mg/l
DW	7/19/2008 12:00:00 AM	160	mg/l
DW	8/14/2008 12:00:00 AM	220	mg/l
DW	9/13/2008 12:00:00 AM	80	mg/l
DW	10/18/2008 12:00:00 AM	60	mg/l

57.3A Rattler Mine

Acidity

Mean: 230.791666666667

Median: 222

Mode: 291

First Quartile: 174.5

Third Quartile: 274

Standard Deviation: 77.49

Sample Description	Sample Date	Measurement	Units
BB	9/14/2004 12:00:00 AM	171	mg/l
BB	10/2/2004 12:00:00 AM	496	mg/l
BB	10/28/2004 12:00:00 AM	222	mg/l
BB	11/27/2004 12:00:00 AM	257	mg/l
BB	12/29/2004 12:00:00 AM	137	mg/l
BB	3/21/2005 12:00:00 AM	157	mg/l
BB	4/22/2005 12:00:00 AM	212	mg/l
BB	5/30/2005 12:00:00 AM	192	mg/l
BB	6/14/2005 12:00:00 AM	178	mg/l
BB	7/22/2005 12:00:00 AM	130	mg/l
BB	8/30/2005 12:00:00 AM	137	mg/l
BB	9/28/2005 12:00:00 AM	137	mg/l
BB	10/31/2005 12:00:00 AM	205	mg/l
BB	12/1/2005 12:00:00 AM	257	mg/l
BB	2/4/2006 12:00:00 AM	222	mg/l
BB	3/8/2006 12:00:00 AM	222	mg/l
BB	4/26/2006 12:00:00 AM	239	mg/l
BB	5/20/2006 12:00:00 AM	239	mg/l
BB	6/29/2006 12:00:00 AM	291	mg/l
BB	7/24/2006 12:00:00 AM	291	mg/l
BB	8/26/2006 12:00:00 AM	257	mg/l
BB	9/24/2006 12:00:00 AM	308	mg/l
BB	10/31/2006 12:00:00 AM	291	mg/l
BB	11/25/2006 12:00:00 AM	291	mg/l

pH

Mean: 2.92413793103448

Median: 2.7

Mode: 2.5

First Quartile: 2.5

Third Quartile: 2.9

Standard Deviation: 0.9

Sample Description	Sample Date	Measurement	Units
BB	6/29/2004 12:00:00 AM	4.3	pH Units
BB	7/15/2004 12:00:00 AM	5.2	pH Units
BB	7/22/2004 12:00:00 AM	6.3	pH Units
BB	8/20/2004 12:00:00 AM	3	pH Units
BB	8/26/2004 12:00:00 AM	3.1	pH Units
BB	9/14/2004 12:00:00 AM	2.5	pH Units
BB	10/2/2004 12:00:00 AM	2.5	pH Units
BB	10/28/2004 12:00:00 AM	2.8	pH Units
BB	11/27/2004 12:00:00 AM	2.6	pH Units
BB	12/29/2004 12:00:00 AM	2.9	pH Units
BB	3/21/2005 12:00:00 AM	2.7	pH Units
BB	4/22/2005 12:00:00 AM	2.6	pH Units
BB	5/30/2005 12:00:00 AM	2.8	pH Units
BB	6/14/2005 12:00:00 AM	2.9	pH Units
BB	7/22/2005 12:00:00 AM	2.9	pH Units
BB	8/30/2005 12:00:00 AM	3.3	pH Units
BB	9/28/2005 12:00:00 AM	2.9	pH Units
BB	10/31/2005 12:00:00 AM	2.8	pH Units
BB	12/1/2005 12:00:00 AM	2.7	pH Units
BB	2/4/2006 12:00:00 AM	2.6	pH Units
BB	3/8/2006 12:00:00 AM	2.5	pH Units
BB	4/26/2006 12:00:00 AM	2	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	2.8	pH Units
BB	8/26/2006 12:00:00 AM	2.5	pH Units
BB	9/24/2006 12:00:00 AM	2.4	pH Units
BB	10/31/2006 12:00:00 AM	2.7	pH Units
BB	11/25/2006 12:00:00 AM	2.5	pH Units

Alkalinity		
Mean: 27		
Median: 27		
Mode: 27		
First Quartile: 0		
Third Quartile: 0		
Standard Deviation: 0		
Sample Description	Sample Date	Measurement Units
BB	7/22/2004 12:00:00 AM 27	mg/l

57.3 Rattler Mine

Acidity		
Mean: 233.666666666667		
Median: 325		
Mode: 0		
First Quartile: 162.5		
Third Quartile: 0		
Standard Deviation: 166.53		
Sample Description	Sample Date	Measurement Units
BB	12/29/2004 12:00:00 AM 325	mg/l
BB	5/30/2005 12:00:00 AM >340	mg/l
BB	4/26/2006 12:00:00 AM 376	mg/l

pH		
Mean: 2.42		
Median: 2.3		
Mode: 1.5		
First Quartile: 1.5		
Third Quartile: 2.35		
Standard Deviation: 1.06		
Sample Description	Sample Date	Measurement Units
DW/BB	4/12/2004 12:00:00 AM 4.4	pH Units
BB	6/29/2004 12:00:00 AM 1.5	pH Units
BB	12/29/2004 12:00:00 AM 2.4	pH Units
BB	5/30/2005 12:00:00 AM 2.3	pH Units
BB	4/26/2006 12:00:00 AM 1.5	pH Units

Alkalinity
No Data Found for this Parameter

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