

PA-91



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')

11.0 Klondike Mine

Alkalinity

Mean: 97.375
 Median: 86
 Mode: 80
 First Quartile: 60
 Third Quartile: 120
 Standard Deviation: 58.43

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Sample Description	Sample Date	Measurement	Units
DW	4/10/2004 12:00:00 AM	21	mg/l
DW	5/27/2004 12:00:00 AM	48	mg/l
DW	6/26/2004 12:00:00 AM	55	mg/l
DW	7/17/2004 12:00:00 AM	85	mg/l
DW	8/21/2004 12:00:00 AM	86	mg/l
DW	9/18/2004 12:00:00 AM	80	mg/l
DW	10/16/2004 12:00:00 AM	80	mg/l
DW	11/20/2004 12:00:00 AM	30	mg/l
DW	12/20/2004 12:00:00 AM	20	mg/l
DW	1/22/2005 12:00:00 AM	40	mg/l
DW	2/17/2005 12:00:00 AM	20	mg/l
DW	3/12/2005 12:00:00 AM	60	mg/l
DW	4/23/2005 12:00:00 AM	80	mg/l
DW	5/21/2005 12:00:00 AM	100	mg/l
DW	6/13/2005 12:00:00 AM	140	mg/l
DW	7/16/2005 12:00:00 AM	70	mg/l
DW	8/13/2005 12:00:00 AM	100	mg/l
DW	9/17/2005 12:00:00 AM	80	mg/l
DW	10/15/2005 12:00:00 AM	80	mg/l
DW	11/13/2005 12:00:00 AM	40	mg/l
DW	12/17/2005 12:00:00 AM	40	mg/l
DW	1/14/2006 12:00:00 AM	80	mg/l
DW	2/12/2006 12:00:00 AM	40	mg/l
DW	3/4/2006 12:00:00 AM	40	mg/l
DW	4/15/2006 12:00:00 AM	50	mg/l
DW	5/13/2006 12:00:00 AM	100	mg/l
DW	6/18/2006 12:00:00 AM	120	mg/l
DW	7/15/2006 12:00:00 AM	140	mg/l
DW	8/12/2006 12:00:00 AM	120	mg/l
DW	9/17/2006 12:00:00 AM	140	mg/l
DW	10/15/2006 12:00:00 AM	140	mg/l
DW	11/24/2006 12:00:00 AM	100	mg/l
DW	12/16/2006 12:00:00 AM	100	mg/l
DW	1/20/2007 12:00:00 AM	120	mg/l
DW	2/20/2007 12:00:00 AM	80	mg/l
DW	3/10/2007 12:00:00 AM	120	mg/l
DW	4/21/2007 12:00:00 AM	130	mg/l
DW	5/19/2007 12:00:00 AM	90	mg/l
DW	6/23/2007 12:00:00 AM	80	mg/l
DW	7/14/2007 12:00:00 AM	380	mg/l
DW	8/25/2007 12:00:00 AM	208	mg/l
DW	9/15/2007 12:00:00 AM	220	mg/l
DW	10/13/2007 12:00:00 AM	200	mg/l
DW	11/11/2007 12:00:00 AM	120	mg/l
DW	12/10/2007 12:00:00 AM	120	mg/l
DW	1/15/2008 12:00:00 AM	80	mg/l
DW	2/15/2008 12:00:00 AM	80	mg/l
DW	3/15/2008 12:00:00 AM	120	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	40	mg/l
DW	7/19/2008 12:00:00 AM	140	mg/l
DW	8/17/2008 12:00:00 AM	100	mg/l

DW	9/13/2008 12:00:00 AM	140	mg/l
DW	10/18/2008 12:00:00 AM	120	mg/l
DW	11/15/2008 12:00:00 AM	120	mg/l

pH			
Mean: 6.63818181818182			
Median: 6.5			
Mode: 7			
First Quartile: 6.5			
Third Quartile: 0			
Standard Deviation: 0.47			
Sample Description	Sample Date	Measurement	Units
DW	4/10/2004 12:00:00 AM	6.5	pH Units
DW	5/27/2004 12:00:00 AM	6.5	pH Units
DW	6/26/2004 12:00:00 AM	6.5	pH Units
DW	7/17/2004 12:00:00 AM	6.7	pH Units
DW	8/21/2004 12:00:00 AM	6.3	pH Units
DW	9/18/2004 12:00:00 AM	6.5	pH Units
DW	10/16/2004 12:00:00 AM	6.5	pH Units
DW	11/20/2004 12:00:00 AM	5.5	pH Units
DW	12/20/2004 12:00:00 AM	5.5	pH Units
DW	1/22/2005 12:00:00 AM	6	pH Units
DW	2/17/2005 12:00:00 AM	6	pH Units
DW	3/12/2005 12:00:00 AM	6	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	6.5	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	6.5	pH Units
DW	11/13/2005 12:00:00 AM	6	pH Units
DW	12/17/2005 12:00:00 AM	6	pH Units
DW	1/14/2006 12:00:00 AM	6.5	pH Units
DW	2/12/2006 12:00:00 AM	6.5	pH Units
DW	3/4/2006 12:00:00 AM	7	pH Units
DW	4/15/2006 12:00:00 AM	6.5	pH Units
DW	5/13/2006 12:00:00 AM	7	pH Units
DW	6/18/2006 12:00:00 AM	7	pH Units
DW	7/15/2006 12:00:00 AM	7	pH Units
DW	8/12/2006 12:00:00 AM	7.5	pH Units
DW	9/17/2006 12:00:00 AM	7	pH Units
DW	10/15/2006 12:00:00 AM	7.5	pH Units
DW	11/24/2006 12:00:00 AM	6.5	pH Units
DW	12/16/2006 12:00:00 AM	7	pH Units
DW	1/20/2007 12:00:00 AM	7	pH Units
DW	2/20/2007 12:00:00 AM	6	pH Units
DW	3/10/2007 12:00:00 AM	7	pH Units
DW	4/21/2007 12:00:00 AM	6	pH Units
DW	5/19/2007 12:00:00 AM	7	pH Units
DW	6/23/2007 12:00:00 AM	7	pH Units
DW	7/14/2007 12:00:00 AM	7	pH Units
DW	8/25/2007 12:00:00 AM	7.3	pH Units
DW	9/15/2007 12:00:00 AM	7	pH Units
DW	10/13/2007 12:00:00 AM	7	pH Units
DW	11/11/2007 12:00:00 AM	7	pH Units
DW	12/10/2007 12:00:00 AM	7.5	pH Units
DW	1/15/2008 12:00:00 AM	7	pH Units
DW	3/15/2008 12:00:00 AM	6.5	pH Units
DW	4/19/2008 12:00:00 AM	6	pH Units
DW	5/17/2008 12:00:00 AM	6.5	pH Units
DW	6/14/2008 12:00:00 AM	6	pH Units
DW	7/19/2008 12:00:00 AM	6.5	pH Units
DW	8/17/2008 12:00:00 AM	6.8	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
DW	11/15/2008 12:00:00 AM	6.5	pH Units

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11 (LAB) Klondike Mine *RAW WATER*

pH

Mean: 3.415
 Median: 3.4
 Mode: 3.06
 First Quartile: 3.1
 Third Quartile: 3.73
 Standard Deviation: 0.39

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	3.14 pH Units
DW	9/10/2007 12:00:00 AM	4.06 pH Units
DW	3/12/2008 12:00:00 AM	3.06 pH Units
DW	8/18/2008 12:00:00 AM	3.4 pH Units

Maps:
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Acidity

Mean: 75.4825
 Median: 84.74
 Mode: 34.18
 First Quartile: 56.095
 Third Quartile: 94.87
 Standard Deviation: 25.83

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	84.74 mg/l
DW	9/10/2007 12:00:00 AM	34.18 mg/l
DW	3/12/2008 12:00:00 AM	105 mg/l
DW	8/18/2008 12:00:00 AM	78.01 mg/l

Iron

Mean: 1.9425
 Median: 2.45
 Mode: 0.14
 First Quartile: 0.69
 Third Quartile: 3.195
 Standard Deviation: 1.41

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	0.14 mg/l
DW	9/10/2007 12:00:00 AM	1.24 mg/l
DW	3/12/2008 12:00:00 AM	3.94 mg/l
DW	8/18/2008 12:00:00 AM	2.45 mg/l

Manganese

Mean: 1.995
 Median: 2.8
 Mode: 0.14
 First Quartile: 1.15
 Third Quartile: 2.84
 Standard Deviation: 1.11

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	0.14 mg/l
DW	9/10/2007 12:00:00 AM	2.88 mg/l
DW	3/12/2008 12:00:00 AM	2.16 mg/l
DW	8/18/2008 12:00:00 AM	2.8 mg/l

Aluminum

Mean: 4.955
 Median: 5.57
 Mode: 0.64
 First Quartile: 1.46

Third Quartile: 8.45
Standard Deviation: 4.09

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	0.64 mg/l
DW	9/10/2007 12:00:00 AM	2.28 mg/l
DW	3/12/2008 12:00:00 AM	5.57 mg/l
DW	8/18/2008 12:00:00 AM	11.33 mg/l

Sulfate
Mean: 161.925
Median: 176.4
Mode: 130.4
First Quartile: 138.75
Third Quartile: 185.1
Standard Deviation: 24.69

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	130.4 mg/l
DW	9/10/2007 12:00:00 AM	193.8 mg/l
DW	3/12/2008 12:00:00 AM	147.1 mg/l
DW	8/18/2008 12:00:00 AM	176.4 mg/l

Total Suspended Solids (TSS)
Mean: 3.75
Median: 4
Mode: 1
First Quartile: 1
Third Quartile: 6.5
Standard Deviation: 3.27

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	4 mg/l
DW	3/12/2008 12:00:00 AM	1 mg/l
DW	8/18/2008 12:00:00 AM	9 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: 158.333333333333
Median: 100
Mode: 75
First Quartile: 87.5
Third Quartile: 0
Standard Deviation: 100.69

Sample Description	Sample Date	Measurement Units
DW	9/10/2007 12:00:00 AM	75 gpm
DW	3/12/2008 12:00:00 AM	300 gpm
DW	8/18/2008 12:00:00 AM	100 gpm

11.0 (LAB) Klondike Mine *TREATED*

pH
Mean: 6.92
Median: 6.99

Mode: 6.5
 First Quartile: 6.65
 Third Quartile: 7.19
 Standard Deviation: 0.32

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	6.99 pH Units
DW	9/10/2007 12:00:00 AM	7.39 pH Units
DW	3/12/2008 12:00:00 AM	6.5 pH Units
DW	8/18/2008 12:00:00 AM	6.8 pH Units

Acidity
 Mean: -89.1025
 Median: -53.98
 Mode: -168.21
 First Quartile: -129.94
 Third Quartile: -48.265
 Standard Deviation: 49.16

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	-91.67 mg/l
DW	9/10/2007 12:00:00 AM	-168.21 mg/l
DW	3/12/2008 12:00:00 AM	-42.55 mg/l
DW	8/18/2008 12:00:00 AM	-53.98 mg/l

Iron
 Mean: 4.195
 Median: 3.11
 Mode: 1.69
 First Quartile: 2.055
 Third Quartile: 6.335
 Standard Deviation: 3.14

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	3.11 mg/l
DW	9/10/2007 12:00:00 AM	1.69 mg/l
DW	3/12/2008 12:00:00 AM	2.42 mg/l
DW	8/18/2008 12:00:00 AM	9.56 mg/l

Manganese
 Mean: 5.1225
 Median: 5.43
 Mode: 1.89
 First Quartile: 3.525
 Third Quartile: 6.72
 Standard Deviation: 2.17

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	1.89 mg/l
DW	9/10/2007 12:00:00 AM	8.01 mg/l
DW	3/12/2008 12:00:00 AM	5.43 mg/l
DW	8/18/2008 12:00:00 AM	5.16 mg/l

Aluminum
 Mean: 2.18
 Median: 2.34
 Mode: 0.06
 First Quartile: 0.705
 Third Quartile: 3.655
 Standard Deviation: 1.8

Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	4.97 mg/l
DW	9/10/2007 12:00:00 AM	0.06 mg/l
DW	3/12/2008 12:00:00 AM	1.35 mg/l
DW	8/18/2008 12:00:00 AM	2.34 mg/l

Sulfate
 Mean: 161.6
 Median: 173.1
 Mode: 139.4
 First Quartile: 139.75

Third Quartile: 183.45		
Standard Deviation: 23.04		
Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	140.1 mg/l
DW	9/10/2007 12:00:00 AM	193.8 mg/l
DW	3/12/2008 12:00:00 AM	139.4 mg/l
DW	8/18/2008 12:00:00 AM	173.1 mg/l

Total Suspended Solids (TSS)		
Mean: 2.75		
Median: 4		
Mode: 1		
First Quartile: 1		
Third Quartile: 4.5		
Standard Deviation: 1.79		
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	1 mg/l
DW	3/12/2008 12:00:00 AM	4 mg/l
DW	8/18/2008 12:00:00 AM	5 mg/l

Alkalinity		
Mean: 117.865		
Median: 99.48		
Mode: 69.66		
First Quartile: 83.05		
Third Quartile: 152.68		
Standard Deviation: 52.12		
Sample Description	Sample Date	Measurement Units
DW	4/15/2007 12:00:00 AM	99.48 mg/l
DW	9/10/2007 12:00:00 AM	205.88 mg/l
DW	3/12/2008 12:00:00 AM	69.66 mg/l
DW	8/18/2008 12:00:00 AM	96.44 mg/l

Flow		
Mean: 116.666666666667		
Median: 100		
Mode: 75		
First Quartile: 87.5		
Third Quartile: 0		
Standard Deviation: 42.49		
Sample Description	Sample Date	Measurement Units
DW	9/10/2007 12:00:00 AM	75 gpm
DW	3/12/2008 12:00:00 AM	175 gpm
DW	8/18/2008 12:00:00 AM	100 gpm

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