Ballard Mine Alluvial Well Data*						
	MW-15A			MW-16A		
Parameter	11/15/06	4/20/07	8/10/07	11/15/06	4/18/07	8/10/07
Major Ions / Wet Chemistry (mg/L)						
pH	7.8	7.4	7.1	7.7	7.6	7.6
Alkalinity Bicarbonate as HCO3	288	268	362	224	284	278
Alkalinity Carbonate as CO3	0	0	0	0	0	0
Alkalinity Total as CaCO3	236	219	296	184	233	228
Hardness as CaCO3	910	484 H	887	197	1150 H	998
Calcium	279	146	268	61	352	304
Magnesium	52	29	53	11	66	58
Sodium	21	14	22	9	22	22
Potassium	1	1.4	1.8	< 1	1.3	1.3
Chloride	13	5	6	10	13	10
Fluoride (undistilled)	< 0.10	0.16	0.15	0.14	0.1	< 0.1
Sulfate	**673**	**295**	**535**	27	**905**	**769**
Phosphorous (Total)	0.03	0.67	0.08	0.15	0.03	0.07
Ammonia (Undistilled) as N	0.25	0.05	< 0.05	< 0.05	0.21	0.15
Nitrate as N	0.80	2.18 H	2.81 H	1.29	0.03 H	0.01 H
Nitrite as N	0.01	< 0.01	0.01 H	0.02	< 0.01 H	0.09 H
Nitrate + Nitrite as N	0.81	2.18	2.81	1.3	0.03 H	0.01
Total Dissolved Solids	**1270**	**612**	**1180**	238	**1480 H**	**1450**
Total Suspended Solids	< 5 H	261	30	141 H	< 5	63
Electrical Conductivity	1560	946	1460	416	1770	1610
Turbidity	2.3	120	23 H	60.0	2.2 H	21 H
Metals - Dissolved (mg/L)						
Aluminum	< 0.05	< 0.05	0.08	< 0.05	< 0.05	< 0.05
Antimony	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Arsenic	0.022	0.012	0.041	0.003	< 0.003	< 0.003
Barium	0.25	0.12	0.08	0.07	< 0.05	0.07
Cadmium	< 0.0001	0.0002	0.0003	< 0.0001	< 0.0001	< 0.0001
Chromium	< 0.001	< 0.001	0.001	0.002	< 0.001	< 0.001
Copper	< 0.001	0.001	< 0.001	< 0.001	0.001	< 0.001
Iron	0.05	< 0.05	0.07	< 0.05	0.29	**0.44**
Lead	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Manganese	**1.980**	0.017	0.008	0.006	**1.7**	**1.61**
Mercury	0.00001	< 0.00001	0.00001	< 0.00001	< 0.00001	0.00001
Molybdenum	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	< 0.02	< 0.02	0.02	< 0.02	< 0.02	0.02
Selenium	**0.590**	**0.80**	**1.94**	**0.056**	**0.11**	0.05
Selenium IV	---	---	---	---	---	---
Selenium VI	---	---	---	---	---	---
Silver	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Uranium	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Vanadium	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Zinc	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Ballard Mine Alluvial Well Data* (continued)						
Metals - Total (mg/L)						
Aluminum	0.15	**8.17 J**	**0.86**	**4.19**	< 0.05	**0.84**
Antimony	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003
Arsenic	0.023	0.018	< 0.003	0.004	< 0.003	< 0.003
Barium	0.26	0.19	0.09	0.10	< 0.05	0.08
Cadmium	< 0.0001	0.0007	< 0.0001	0.0002	< 0.0001	< 0.0001
Calcium	---	---	---	---	---	---
Chromium	< 0.001	0.008	0.003	0.009	< 0.001	0.003
Copper	< 0.001	0.006	0.003	0.003	0.002	0.004
Iron	0.16	**7.46**	**0.91**	**4.24**	0.29 J	**1.47**
Lead	< 0.001	0.004	< 0.001	0.003	< 0.001	0.001
Magnesium	---	---	---	---	---	---
Manganese	**2.050**	**0.13**	0.012	**0.080**	**1.71 J**	**1.86**
Mercury	< 0.00001	0.00003	0.00005 B	< 0.00001	0.00002 J	0.00003 B
Molybdenum	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Nickel	< 0.02	< 0.02	0.02	< 0.02	< 0.02	0.02
Potassium	---	---	---	---	---	---
Selenium	**0.520**	**0.81**	**1.99**	**0.054**	**0.11**	0.049
Selenium (Total Recoverable)	---	---	---	---	---	---
Silver	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Sodium	---	---	---	---	---	---
Thallium	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Uranium	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
Vanadium	< 0.05	< 0.05	< 0.01	< 0.05	< 0.05	< 0.05
Zinc	< 0.01	0.04	< 0.01	0.01	< 0.01	< 0.01
Field Data						
Depth to Water (ft)	22.83	20.71	23.28	10.10	6.71	11.23
pH	7.57	7.12	6.99	7.73	7.25	7.47
Electrical Conductivity	433	856	1,513	1,649	1,800	1,678
Temperature (C)	8.4	8.3	9.0	7.0	6.4	8.3
Dissolved Oxygen (mg/L)	8.04	6.29	8.37	1.93	1.32	0.35
Dissolved Oxygen (%)	68.6	53.5	82.7	15.8	10.9	2.1

*Data for MW-15A and MW-16A is provided by Whetstone Associates, Inc. - La Veta, CO.

[1] Per Idaho Administrative Code IDAPA 58.01.11, Ground Water Quality Rule

Bold values are above secondary groundwater standard

Bold values with borders are above the primary groundwater standard

(f) - Indicates federal drinking water standard, the constituent is not specified under Idaho groundwater standards

H - Qualified data, received past holding time

J - Qualified data, value is estimated

B - The analyte was detected in the method blank. The results are not corrected for the method blank concentration.

D - Qualified data, failed field duplicate RPD.

(2) - Verified by a second analysis

(4) - Qualified data, failed matrix spike but passed lab control sample QC. Indicates matrix interference in sample.

--- No associated standard or not measured

Concentrations are dissolved unles otherwise noted