Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010317599

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: MW-03
Lab ID: 0103W17599
Matrix: Water
Condition: Cool/Intact

Date Received: 10/16/03
Date Reported: 10/27/03
Date Sampled: 10/16/03

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.3	s.u.			0.1	EPA 150.1	10/21/03	1742	KB
Lab Conductivity @ 25°C	409	µmhos/cm			5	SM 2510 B	10/21/03	1742	KB
Total Dissolved Solids @ 180°C	250	mg/L			10	SM 2540 C	10/17/03	1400	SV
Total Dissolved Solids(Calc)	230	mg/L			10	SM 1030 F.	10/27/03	1329	
Total Alkalinity as CaCO3	125	mg/L			1.0	SM 2320 B	10/21/03	1742	KB
Total Hardness as CaCO3	28.0	mg/L			1.0	SM 2340 B	10/27/03	1329	
Ammonia Nitrogen	0.3	mg/L			0.1	EPA 350.1	10/23/03	1428	RP
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	10/21/03	1612	RP
Radium 226	38.3±1.6	pCi/L			0.2	SM 7500 Ra-B	10/24/03	1535	TP
Silica as SiO2	4.1	mg/L			0.1	EPA 200.7	10/27/03	1329	BA
Sodium Adsorption Ratio	6.4				N/A	Calculations	10/27/03	1329	
Anions									
Bicarbonate as HCO3	153	mg/L	2.50	meq/L	1.0	SM 2320 B	10/21/03	1742	KB
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	10/21/03	1742	KB
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	10/21/03	1742	KB
Chloride	3.5	mg/L	0.10	meq/L	1.0	EPA 300.0	10/20/03	0645	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	10/21/03	1742	KB
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	10/27/03	0950	RP
Sulfate	60.9	mg/L	1.27	meq/L	1.0	EPA 300.0	10/20/03	0645	LK
Cations									
Calcium	8.6	mg/L	0.43	meq/L	1.0	EPA 200.7	10/27/03	1329	BA
Magnesium	1.5	mg/L	0.13	meq/L	1.0	EPA 200.7	10/27/03	1329	BA
Potassium	1.5	mg/L	0.04	meq/L	1.0	EPA 200.7	10/27/03	1329	BA
Sodium	78.2	mg/L	3.40	meq/L	0.2	EPA 200.7	10/27/03	1329	BA
Cations			4.00	meq/L	N/A	SM 1030 F.	10/27/03	1329	
Anions			3.87	meq/L	N/A	SM 1030 F.	10/21/03	1742	
Cation/Anion Balance			1.65	%	N/A	SM 1030 F.	10/27/03	1329	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: _____
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010317599

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: MW-03
Lab ID: 0103W17599
Matrix: Water
Condition: Cool/Intact

Date Received: 10/16/03
Date Reported: 10/27/03
Date Sampled: 10/16/03

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	10/27/03	1329	BA
Arsenic	0.026	mg/L		0.005	EPA 200.8	10/21/03	1454	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	10/21/03	1454	MS
Boron	0.05	mg/L		0.01	EPA 200.7	10/27/03	1329	BA
Cadmium	<0.002	mg/L		0.002	EPA 200.8	10/21/03	1454	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	10/27/03	1329	BA
Copper	<0.01	mg/L		0.01	EPA 200.8	10/21/03	1454	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	10/27/03	1329	BA
Lead	<0.02	mg/L		0.02	EPA 200.8	10/21/03	1454	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	10/27/03	1329	BA
Mercury	<0.001	mg/L		0.001	EPA 245.1	10/21/03	0915	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	10/21/03	1454	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	10/27/03	1329	BA
Selenium	1.27	mg/L		0.005	EPA 200.8	10/21/03	1454	MS
Uranium	1.05	mg/L		0.0001	EPA 200.8	10/21/03	1454	MS
Vanadium	0.1	mg/L		0.1	EPA 200.8	10/21/03	1454	MS
Zinc	0.01	mg/L		0.01	EPA 200.7	10/27/03	1329	BA

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: _____
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010317599

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AP54-1
Lab ID: 0103W17600
Matrix: Water
Condition: Cool/Intact

Date Received: 10/16/03
Date Reported: 10/27/03
Date Sampled: 10/16/03

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.3	s.u.			0.1	EPA 150.1	10/21/03	1753	KB
Lab Conductivity @ 25°C	848	µmhos/cm			5	SM 2510 B	10/21/03	1753	KB
Total Dissolved Solids @ 180°C	510	mg/L			10	SM 2540 C	10/17/03	1400	SV
Total Dissolved Solids(Calc)	470	mg/L			10	SM 1030 F.	10/27/03	1332	
Total Alkalinity as CaCO3	277	mg/L			1.0	SM 2320 B	10/21/03	1753	KB
Total Hardness as CaCO3	135	mg/L			1.0	SM 2340 B	10/27/03	1332	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	10/23/03	1428	RP
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	10/21/03	1613	RP
Radium 226	141.4±2.9	pCi/L			0.2	SM 7500 Ra-B	10/24/03	1535	TP
Silica as SiO2	6.2	mg/L			0.1	EPA 200.7	10/27/03	1329	BA
Sodium Adsorption Ratio	5.0				N/A	Calculations	10/27/03	1332	
Anions									
Bicarbonate as HCO3	338	mg/L	5.54	meq/L	1.0	SM 2320 B	10/21/03	1753	KB
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	10/21/03	1753	KB
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	10/21/03	1753	KB
Chloride	12.7	mg/L	0.36	meq/L	1.0	EPA 300.0	10/20/03	0645	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	10/21/03	1753	KB
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	10/27/03	0950	RP
Sulfate	111	mg/L	2.30	meq/L	1.0	EPA 300.0	10/20/03	0645	LK
Cations									
Calcium	40.9	mg/L	2.04	meq/L	1.0	EPA 200.7	10/27/03	1332	BA
Magnesium	8.0	mg/L	0.66	meq/L	1.0	EPA 200.7	10/27/03	1332	BA
Potassium	2.8	mg/L	0.07	meq/L	1.0	EPA 200.7	10/27/03	1329	BA
Sodium	132	mg/L	5.75	meq/L	0.2	EPA 200.7	10/27/03	1332	BA
Cations			8.52	meq/L	N/A	SM 1030 F.	10/27/03	1332	
Anions			8.20	meq/L	N/A	SM 1030 F.	10/21/03	1753	
Cation/Anion Balance			1.91	%	N/A	SM 1030 F.	10/27/03	1332	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: _____
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010317599

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AP54-1
Lab ID: 0103W17600
Matrix: Water
Condition: Cool/Intact

Date Received: 10/16/03
Date Reported: 10/27/03
Date Sampled: 10/16/03

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	10/27/03	1332	BA
Arsenic	0.017	mg/L		0.005	EPA 200.8	10/21/03	1457	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	10/21/03	1457	MS
Boron	0.04	mg/L		0.01	EPA 200.7	10/27/03	1332	BA
Cadmium	<0.002	mg/L		0.002	EPA 200.8	10/21/03	1457	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	10/27/03	1332	BA
Copper	<0.01	mg/L		0.01	EPA 200.8	10/21/03	1457	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	10/27/03	1332	BA
Lead	<0.02	mg/L		0.02	EPA 200.8	10/21/03	1457	MS
Manganese	0.06	mg/L		0.02	EPA 200.7	10/27/03	1332	BA
Mercury	<0.001	mg/L		0.001	EPA 245.1	10/21/03	0915	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	10/21/03	1457	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	10/27/03	1332	BA
Selenium	0.857	mg/L		0.005	EPA 200.8	10/21/03	1457	MS
Uranium	1.37	mg/L		0.0001	EPA 200.8	10/21/03	1457	MS
Vanadium	0.4	mg/L		0.1	EPA 200.8	10/21/03	1457	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	10/27/03	1332	BA

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By:

Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010317599

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AO74-1
Lab ID: 0103W17601
Matrix: Water
Condition: Cool/Intact

Date Received: 10/16/03
Date Reported: 10/27/03
Date Sampled: 10/16/03

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.2	s.u.			0.1	EPA 150.1	10/21/03	1804	KB
Lab Conductivity @ 25°C	286	µmhos/cm			5	SM 2510 B	10/21/03	1804	KB
Total Dissolved Solids @ 180°C	190	mg/L			10	SM 2540 C	10/17/03	1400	SV
Total Dissolved Solids(Calc)	170	mg/L			10	SM 1030 F.	10/27/03	1335	
Total Alkalinity as CaCO3	110	mg/L			1.0	SM 2320 B	10/21/03	1804	KB
Total Hardness as CaCO3	24.0	mg/L			1.0	SM 2340 B	10/27/03	1335	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	10/23/03	1428	RP
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	10/21/03	1614	RP
Radium 226	30.2±1.4	pCi/L			0.2	SM 7500 Ra-B	10/24/03	1535	TP
Silica as SiO2	6.0	mg/L			0.1	EPA 200.7	10/27/03	1329	BA
Sodium Adsorption Ratio	5.1				N/A	Calculations	10/27/03	1335	
Anions									
Bicarbonate as HCO3	134	mg/L	2.20	meq/L	1.0	SM 2320 B	10/21/03	1804	KB
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	10/21/03	1804	KB
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	10/21/03	1804	KB
Chloride	2.3	mg/L	0.06	meq/L	1.0	EPA 300.0	10/20/03	0645	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	10/21/03	1804	KB
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	10/27/03	0950	RP
Sulfate	35.2	mg/L	0.73	meq/L	1.0	EPA 300.0	10/20/03	0645	LK
Cations									
Calcium	7.3	mg/L	0.36	meq/L	1.0	EPA 200.7	10/27/03	1335	BA
Magnesium	1.4	mg/L	0.12	meq/L	1.0	EPA 200.7	10/27/03	1335	BA
Potassium	1.1	mg/L	0.03	meq/L	1.0	EPA 200.7	10/27/03	1329	BA
Sodium	57.9	mg/L	2.52	meq/L	0.2	EPA 200.7	10/27/03	1335	BA
Cations			3.03	meq/L	N/A	SM 1030 F.	10/27/03	1335	
Anions			2.99	meq/L	N/A	SM 1030 F.	10/21/03	1804	
Cation/Anion Balance			0.66	%	N/A	SM 1030 F.	10/27/03	1335	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: _____
Wade Nieuwsma, Water Lab Supervisor

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010317599

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AO74-1
Lab ID: 0103W17601
Matrix: Water
Condition: Cool/Intact

Date Received: 10/16/03
Date Reported: 10/27/03
Date Sampled: 10/16/03

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	10/27/03	1335	BA
Arsenic	<0.005	mg/L		0.005	EPA 200.8	10/21/03	1459	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	10/21/03	1459	MS
Boron	0.04	mg/L		0.01	EPA 200.7	10/27/03	1335	BA
Cadmium	<0.002	mg/L		0.002	EPA 200.8	10/21/03	1459	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	10/27/03	1335	BA
Copper	<0.01	mg/L		0.01	EPA 200.8	10/21/03	1459	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	10/27/03	1335	BA
Lead	<0.02	mg/L		0.02	EPA 200.8	10/21/03	1459	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	10/27/03	1335	BA
Mercury	<0.001	mg/L		0.001	EPA 245.1	10/21/03	0915	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	10/21/03	1459	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	10/27/03	1335	BA
Selenium	0.074	mg/L		0.005	EPA 200.8	10/21/03	1459	MS
Uranium	0.280	mg/L		0.0001	EPA 200.8	10/21/03	1459	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	10/21/03	1459	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	10/27/03	1335	BA

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: _____
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010317599

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5 AP-02
Lab ID: 0103W17602
Matrix: Water
Condition: Cool/Intact

Date Received: 10/16/03
Date Reported: 10/27/03
Date Sampled: 10/16/03

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.3	s.u.			0.1	EPA 150.1	10/21/03	1815	KB
Lab Conductivity @ 25°C	1,160	µmhos/cm			5	SM 2510 B	10/21/03	1815	KB
Total Dissolved Solids @ 180°C	740	mg/L			10	SM 2540 C	10/17/03	1400	SV
Total Dissolved Solids(Calc)	670	mg/L			10	SM 1030 F.	10/27/03	1337	
Total Alkalinity as CaCO3	295	mg/L			1.0	SM 2320 B	10/21/03	1815	KB
Total Hardness as CaCO3	135	mg/L			1.0	SM 2340 B	10/27/03	1337	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	10/23/03	1428	RP
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	10/21/03	1615	RP
Radium 226	53.6±1.8	pCi/L			0.2	SM 7500 Ra-B	10/24/03	1535	TP
Silica as SiO2	6.9	mg/L			0.1	EPA 200.7	10/27/03	1329	BA
Sodium Adsorption Ratio	7.1				N/A	Calculations	10/27/03	1337	
Anions									
Bicarbonate as HCO3	349	mg/L	5.72	meq/L	1.0	SM 2320 B	10/21/03	1815	KB
Carbonate as CO3	5.1	mg/L	0.17	meq/L	1.0	SM 2320 B	10/21/03	1815	KB
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	10/21/03	1815	KB
Chloride	11.6	mg/L	0.33	meq/L	1.0	EPA 300.0	10/20/03	0645	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	10/21/03	1815	KB
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	10/27/03	0950	RP
Sulfate	244	mg/L	5.09	meq/L	1.0	EPA 300.0	10/20/03	0645	LK
Cations									
Calcium	40.1	mg/L	2.00	meq/L	1.0	EPA 200.7	10/27/03	1337	BA
Magnesium	8.4	mg/L	0.69	meq/L	1.0	EPA 200.7	10/27/03	1337	BA
Potassium	4.0	mg/L	0.10	meq/L	1.0	EPA 200.7	10/27/03	1329	BA
Sodium	189	mg/L	8.22	meq/L	0.2	SM 3500-Na D	10/27/03	1400	RM
Cations			11.01	meq/L	N/A	SM 1030 F.	10/27/03	1337	
Anions			11.31	meq/L	N/A	SM 1030 F.	10/21/03	1815	
Cation/Anion Balance			1.34	%	N/A	SM 1030 F.	10/27/03	1337	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By:

Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010317599

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: AP-02
Lab ID: 0103W17602
Matrix: Water
Condition: Cool/Intact

Date Received: 10/16/03
Date Reported: 10/27/03
Date Sampled: 10/16/03

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	10/27/03	1337	BA
Arsenic	<0.005	mg/L		0.005	EPA 200.8	10/21/03	1505	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	10/21/03	1505	MS
Boron	0.04	mg/L		0.01	EPA 200.7	10/27/03	1337	BA
Cadmium	<0.002	mg/L		0.002	EPA 200.8	10/21/03	1505	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	10/27/03	1337	BA
Copper	<0.01	mg/L		0.01	EPA 200.8	10/21/03	1505	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	10/27/03	1337	BA
Lead	<0.02	mg/L		0.02	EPA 200.8	10/21/03	1505	MS
Manganese	0.04	mg/L		0.02	EPA 200.7	10/27/03	1337	BA
Mercury	<0.001	mg/L		0.001	EPA 245.1	10/21/03	0915	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	10/21/03	1505	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	10/27/03	1337	BA
Selenium	0.028	mg/L		0.005	EPA 200.8	10/21/03	1505	MS
Uranium	1.33	mg/L		0.0001	EPA 200.8	10/21/03	1505	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	10/21/03	1505	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	10/27/03	1337	BA

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By:

Wade Nieuwsma, Water Lab Supervisor

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 10-16-03 Received by [signature] Date 10-16-03 1652

Restoration Sample Description

Location: ___ Irigaray _X_ Christensen Mine or Production Unit _5_ Module # (if applicale) _2_

Restoration Phase: ___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
_X_ Stabilization (explain_____)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : Tom nicholson

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Comments
1	MW-03	10-16-03	Half Gal.	X		X		
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	5AP54-1		**	**	**	**	**	
3	5AO74-1		**	**	**	**	**	
4	AP-02		**	**	**	**	**	
5			**	**	**	**	**	
6			**	**	**	**	**	
7			**	**	**	**	**	
8			**	**	**	**	**	
9			**	**	**	**	**	
10			**	**	**	**	**	
11			**	**	**	**	**	
12			**	**	**	**	**	
13			**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1

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SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 10-16-03 Received by [signature] Date 10-16-03 1652

Restoration Sample Description

Location: ___ Irigaray X Christensen Mine or Production Unit 5 Module # (if applicale) 2

Restoration Phase: ___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
X Stabilization (explain_____)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : Tom nicholson Tel 464 1429

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Lab id.	Comments
1	MW-03	10-16-03	Half Gal.	X		X		17599	
			Quart	X					
			8 ozs.		X				
			8 ozs.	X			X		
2	5AP54-1		**	**	**	**	**	17600	
3	5AO74-1		**	**	**	**	**	17601	
4	AP-02		**	**	**	**	**	17602	
5			**	**	**	**	**		
6			**	**	**	**	**		
7			**	**	**	**	**		
8			**	**	**	**	**		
9			**	**	**	**	**		
10			**	**	**	**	**		
11			**	**	**	**	**		
12			**	**	**	**	**		
13			**	**	**	**	**		
14			**	**	**	**	**		
15			**	**	**	**	**		

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1

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SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 2-9-04 Received by _____ Date _____

Restoration Sample Description
Location: ___ Irigaray _X_ Christensen Mine or Production Unit 5+5 Module # (if applicale) 65

Restoration Phase:
___ Groundwater Sweep (explain _____)
_X_ Reverse Osmosis Filtration (explain 65/3PVD)
___ Recirculation (explain _____)
_X_ Stabilization (explain 2ND ROUND)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : Tom nicholson

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Comments
1	CR mab65/3PVD	2-9-04	Half Gal.	X		X		
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	AP-02		**	**	**	**	**	
3	MW-03		**	**	**	**	**	
4	5AP54-1		**	**	**	**	**	
5	5AM78-2		**	**	**	**	**	
6	5AB68-1		**	**	**	**	**	
7	5AE80-1		**	**	**	**	**	
8	5AL66-1		**	**	**	**	**	
9			**	**	**	**	**	
10			**	**	**	**	**	
11			**	**	**	**	**	
12			**	**	**	**	**	
13			**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1

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SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 2-9-04 Received by [signature] Date 2/9/04 @ 1730

Restoration Sample Description

Location: ___ Irigaray _x_ Christensen Mine or Production Unit 65 Module # (if applicale) 65

Restoration Phase: ___ Groundwater Sweep (explain ___)
_x_ Reverse Osmosis Filtration (explain 65/3PVD)
___ Recirculation (explain ___)
_x_ Stabilization (explain 2NaO2 PVD)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : Tom nicholson

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Lab id	Comments
1	CR mod 65/3PVD	2-9-04	Half Gal.	X		X		1500	
			Quart	X				"	
			8 ozs.		X			"	
			8 ozs.	X			X	"	
2	AP-02		**	**	**	**	**	1501	
3	MW-03		**	**	**	**	**	1502	
4	5AP54-1		**	**	**	**	**	1503d	
5	5AM78-2		**	**	**	**	**	1504	
6	5AB68-1		**	**	**	**	**	1505	
7	5AE80-1		**	**	**	**	**	1506	
8	5AL66-1		**	**	**	**	**	1507	
9			**	**	**	**	**		
10			**	**	**	**	**		
11			**	**	**	**	**		
12			**	**	**	**	**		
13			**	**	**	**	**		
14			**	**	**	**	**		
15			**	**	**	**	**		

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1

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Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: AP-02
Lab ID: 0104W01501
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.9	s.u.			0.1	EPA 150.1	02/10/04	1711	RM
Lab Conductivity @ 25°C	965	µmhos/cm			5	SM 2510 B	02/10/04	1711	RM
Total Dissolved Solids @ 180°C	640	mg/L			10	SM 2540 C	02/10/04	1500	SV
Total Dissolved Solids(Calc)	610	mg/L			10	SM 1030 F.	02/12/04	1025	
Total Alkalinity as CaCO3	212	mg/L			1.0	SM 2320 B	02/10/04	1711	RM
Total Hardness as CaCO3	95.0	mg/L			1.0	SM 2340 B	02/11/04	0611	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	02/12/04	1604	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/10/04	1543	JF
Radium 226	51.7±5.1	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1242	TP
Silica as SiO2	2.9	mg/L			0.1	EPA 200.7	02/11/04	0833	MH
Sodium Adsorption Ratio	8.1				N/A	Calculations	02/11/04	0611	
Anions									
Bicarbonate as HCO3	258	mg/L	4.23	meq/L	1.0	SM 2320 B	02/10/04	1711	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1711	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1711	RM
Chloride	7.4	mg/L	0.21	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/10/04	1711	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1025	JF
Sulfate	260	mg/L	5.41	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Cations									
Calcium	28.7	mg/L	1.43	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Magnesium	5.7	mg/L	0.47	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Potassium	4.3	mg/L	0.11	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Sodium	182	mg/L	7.92	meq/L	0.2	EPA 200.7	02/13/04	0625	MH
Cations			9.93	meq/L	N/A	SM 1030 F.	02/11/04	0611	
Anions			9.86	meq/L	N/A	SM 1030 F.	02/12/04	1025	
Cation/Anion Balance			0.35	%	N/A	SM 1030 F.	02/11/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen A Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: AP-02
Lab ID: 0104W01501
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/11/04	0836	MH
Arsenic	0.009	mg/L		0.005	EPA 200.8	02/11/04	1252	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/11/04	1255	MS
Boron	0.04	mg/L		0.01	EPA 200.7	02/11/04	0836	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/11/04	1255	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0836	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/11/04	1255	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/11/04	0836	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1255	MS
Manganese	0.03	mg/L		0.02	EPA 200.7	02/11/04	0836	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1255	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0836	MH
Selenium	0.053	mg/L		0.005	EPA 200.8	02/11/04	1255	MS
Uranium	1.40	mg/L		0.0001	EPA 200.8	02/11/04	1255	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/11/04	1255	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0836	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: TW0001
Lab ID: 0104W01562
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.0	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	412	µmhos/cm			5	SM 2510 B	02/11/04	1617	RM
Total Dissolved Solids @ 180°C	270	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	260	mg/L			10	SM 1030 F.	02/13/04	0005	
Total Alkalinity as CaCO3	142	mg/L			1.0	SM 2320 B	02/11/04	1617	RM
Total Hardness as CaCO3	34.0	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	0.3	mg/L			0.1	EPA 350.1	02/12/04	1619	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	89.6±6.7	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	3.9	mg/L			0.1	EPA 200.7	02/12/04	0710	MH
Sodium Adsorption Ratio	6.4				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	173	mg/L	2.84	meq/L	1.0	SM 2320 B	02/11/04	1617	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1617	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1617	RM
Chloride	4.2	mg/L	0.12	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1617	RM
Nitrate + Nitrite as N	<0.1	mg/L	0.01	meq/L	0.1	EPA 353.2	02/12/04	1043	JF
Sulfate	68.6	mg/L	1.43	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Cations									
Calcium	10.2	mg/L	0.51	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	2.1	mg/L	0.17	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	1.9	mg/L	0.05	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	85.1	mg/L	3.70	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			4.43	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			4.40	meq/L	N/A	SM 1030 F.	02/13/04	0005	
Cation/Anion Balance			0.34	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: TW0001
Lab ID: 0104W01562
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0710	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	02/12/04	1213	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1213	MS
Boron	0.07	mg/L		0.01	EPA 200.7	02/12/04	0710	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1213	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0710	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1213	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0710	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1213	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	02/12/04	0710	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1213	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0710	MH
Selenium	0.331	mg/L		0.005	EPA 200.8	02/12/04	1213	MS
Uranium	0.196	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	0.1	mg/L		0.1	EPA 200.8	02/12/04	1213	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0710	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: MW-03
Lab ID: 0104W01502
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.1	s.u.			0.1	EPA 150.1	02/10/04	1723	RM
Lab Conductivity @ 25°C	420	µmhos/cm			5	SM 2510 B	02/10/04	1723	RM
Total Dissolved Solids @ 180°C	270	mg/L			10	SM 2540 C	02/10/04	1500	SV
Total Dissolved Solids(Calc)	260	mg/L			10	SM 1030 F.	02/12/04	1025	
Total Alkalinity as CaCO3	159	mg/L			1.0	SM 2320 B	02/10/04	1723	RM
Total Hardness as CaCO3	28.0	mg/L			1.0	SM 2340 B	02/11/04	0611	
Ammonia Nitrogen	0.3	mg/L			0.1	EPA 350.1	02/12/04	1604	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/10/04	1543	JF
Radium 226	68.6±6.0	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1242	TP
Silica as SiO2	2.1	mg/L			0.1	EPA 200.7	02/11/04	0833	MH
Sodium Adsorption Ratio	7.5				N/A	Calculations	02/11/04	0611	
Anions									
Bicarbonate as HCO3	194	mg/L	3.18	meq/L	1.0	SM 2320 B	02/10/04	1723	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1723	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1723	RM
Chloride	2.7	mg/L	0.08	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/10/04	1723	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1025	JF
Sulfate	58.5	mg/L	1.22	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Cations									
Calcium	8.9	mg/L	0.44	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Magnesium	1.5	mg/L	0.12	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Potassium	1.9	mg/L	0.05	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Sodium	90.5	mg/L	3.94	meq/L	0.2	EPA 200.7	02/11/04	0611	MH
Cations			4.55	meq/L	N/A	SM 1030 F.	02/11/04	0611	
Anions			4.49	meq/L	N/A	SM 1030 F.	02/12/04	1025	
Cation/Anion Balance			0.66	%	N/A	SM 1030 F.	02/11/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen A Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: MW-03
Lab ID: 0104W01502
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/11/04	0842	MH
Arsenic	0.010	mg/L		0.005	EPA 200.8	02/11/04	1252	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/11/04	1300	MS
Boron	0.06	mg/L		0.01	EPA 200.7	02/11/04	0842	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/11/04	1300	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0842	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/11/04	1300	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/11/04	0842	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1300	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	02/11/04	0842	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1300	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0842	MH
Selenium	2.18	mg/L		0.005	EPA 200.8	02/11/04	1300	MS
Uranium	1.68	mg/L		0.0001	EPA 200.8	02/11/04	1300	MS
Vanadium	0.2	mg/L		0.1	EPA 200.8	02/11/04	1300	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0842	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 2-11-04 Received by [signature] Date 2/11/04 @1730

Restoration Sample Description
Location: ___ Irigaray _X_ Christensen Mine or Production Unit 2-5 Module # (if applicale) _____

Restoration Phase: ___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
_X_ Stabilization (explain_____)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : Tom nicholson

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Lab id	Comments
1	5BL66-1	2-11-04	Half Gal.	X		X		1602	
			Quart	X				"	
			8 ozs.		X			"	
			8 ozs.	X			X	"	
2	5BT138-1		**	**	**	**	**	1603 d	
3	5BL76-1		**	**	**	**	**	1604	
4	5BJ54-1		**	**	**	**	**	1605	
5	5BQ158-1		**	**	**	**	**	1606	
6	2AA38-1		**	**	**	**	**	1607	
7	2Y46-1		**	**	**	**	**	1608	
8	2Z35-1		**	**	**	**	**	1609	
9			**	**	**	**	**		
10			**	**	**	**	**		
11			**	**	**	**	**		
12			**	**	**	**	**		
13			**	**	**	**	**		
14			**	**	**	**	**		
15			**	**	**	**	**		

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1

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Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BL66-1
Lab ID: 0104W01602
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.5	s.u.			0.1	EPA 150.1	02/12/04	1609	RM
Lab Conductivity @ 25°C	2,210	µmhos/cm			5	SM 2510 B	02/12/04	1609	RM
Total Dissolved Solids @ 180°C	1,610	mg/L			10	SM 2540 C	02/12/04	1310	SV
Total Dissolved Solids(Calc)	1,490	mg/L			10	SM 1030 F.	02/13/04	0737	
Total Alkalinity as CaCO3	864	mg/L			1.0	SM 2320 B	02/12/04	1609	RM
Total Hardness as CaCO3	408	mg/L			1.0	SM 2340 B	02/13/04	0625	
Ammonia Nitrogen	0.5	mg/L			0.1	EPA 350.1	02/12/04	1650	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/13/04	0833	JF
Radium 226	344±15.1	pCi/L			0.2	SM 7500 Ra-B	02/23/04	1503	TP
Silica as SiO2	4.8	mg/L			0.1	EPA 200.7	02/13/04	0848	MH
Sodium Adsorption Ratio	8.9				N/A	Calculations	02/13/04	0625	
Anions									
Bicarbonate as HCO3	1,050	mg/L	17.27	meq/L	1.0	SM 2320 B	02/12/04	1609	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1609	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1609	RM
Chloride	34.4	mg/L	0.97	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	02/12/04	1609	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	01/16/04	1422	JF
Sulfate	372	mg/L	7.75	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	120	mg/L	5.99	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Magnesium	26.3	mg/L	2.16	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Potassium	8.6	mg/L	0.22	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Sodium	414	mg/L	18.01	meq/L	0.2	EPA 200.7	02/13/04	0625	MH
Cations			26.38	meq/L	N/A	SM 1030 F.	02/13/04	0625	
Anions			25.99	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			0.74	%	N/A	SM 1030 F.	02/13/04	0625	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BL66-1
Lab ID: 0104W01602
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/13/04	0848	MH
Arsenic	0.015	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Barium	<0.5	mg/L		0.5	EPA 200.8	02/13/04	0810	JB
Boron	0.09	mg/L		0.01	EPA 200.7	02/13/04	0848	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/13/04	0810	JB
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0848	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/13/04	0810	JB
Iron	1.53	mg/L		0.05	EPA 200.7	02/13/04	0848	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Manganese	0.33	mg/L		0.02	EPA 200.7	02/13/04	0848	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/18/04	0935	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0848	MH
Selenium	0.023	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Uranium	6.21	mg/L		0.0001	EPA 200.8	02/13/04	0810	JB
Vanadium	0.1	mg/L		0.1	EPA 200.8	02/13/04	0810	JB
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0848	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen A Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BT138-1
Lab ID: 0104W01603
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.8	s.u.			0.1	EPA 150.1	02/12/04	1620	RM
Lab Conductivity @ 25°C	832	µmhos/cm			5	SM 2510 B	02/12/04	1620	RM
Total Dissolved Solids @ 180°C	570	mg/L			10	SM 2540 C	02/12/04	1310	SV
Total Dissolved Solids(Calc)	500	mg/L			10	SM 1030 F.	02/17/04	0611	
Total Alkalinity as CaCO3	100	mg/L			1.0	SM 2320 B	02/12/04	1620	RM
Total Hardness as CaCO3	31.5	mg/L			1.0	SM 2340 B	02/13/04	0625	
Ammonia Nitrogen	0.3	mg/L			0.1	EPA 350.1	02/12/04	1651	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/13/04	0833	JF
Radium 226	46.9±5.7	pCi/L			0.2	SM 7500 Ra-B	02/23/04	1503	TP
Silica as SiO2	3.4	mg/L			0.1	EPA 200.7	02/13/04	0851	MH
Sodium Adsorption Ratio	11.7				N/A	Calculations	02/17/04	0611	
Anions									
Bicarbonate as HCO3	105	mg/L	1.72	meq/L	1.0	SM 2320 B	02/12/04	1620	RM
Carbonate as CO3	8.4	mg/L	0.28	meq/L	1.0	SM 2320 B	02/12/04	1620	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1620	RM
Chloride	5.6	mg/L	0.16	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/12/04	1620	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	01/16/04	1422	JF
Sulfate	259	mg/L	5.40	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	9.9	mg/L	0.49	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Magnesium	1.7	mg/L	0.14	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Potassium	12.6	mg/L	0.32	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Sodium	151	mg/L	6.57	meq/L	0.2	EPA 200.7	02/17/04	0611	MH
Cations			7.52	meq/L	N/A	SM 1030 F.	02/17/04	0611	
Anions			7.57	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			0.33	%	N/A	SM 1030 F.	02/17/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BT138-1
Lab ID: 0104W01603
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/13/04	0851	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Barium	<0.5	mg/L		0.5	EPA 200.8	02/13/04	0810	JB
Boron	0.05	mg/L		0.01	EPA 200.7	02/13/04	0851	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/13/04	0810	JB
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0851	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/13/04	0810	JB
Iron	<0.05	mg/L		0.05	EPA 200.7	02/13/04	0851	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Manganese	<0.02	mg/L		0.02	EPA 200.7	02/13/04	0851	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/18/04	0935	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0851	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Uranium	0.0158	mg/L		0.0001	EPA 200.8	02/13/04	0810	JB
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/13/04	0810	JB
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0851	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 5BT138-1
Lab ID: 0104W01603
Matrix: Water
Condition: Cool/Intact

Report Date: 02/24/04
Receipt Date: 02/11/04
Sample Date: 02/11/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
General Parameters					
Lab pH	8.8	8.9	1	0.1	s.u.
Lab Conductivity @ 25°C	832	833	0	5	µmhos/cm
Total Dissolved Solids @ 180°C	570	560	2	10	mg/L
Total Dissolved Solids(Calc)	500	500	0	10	mg/L
Total Alkalinity as CaCO3	100	100	0	1.0	mg/L
Total Hardness as CaCO3	31.5	31.5	0	1.0	mg/L
Ammonia Nitrogen	0.3	0.3	0.0**	0.1	mg/L
Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Silica as SiO2	3.4	3.4	0	0.1	mg/L
Sodium Adsorption Ratio	11.7	11.6	1		
Anions					
Bicarbonate as HCO3	105	103	2	1.0	mg/L
Carbonate as CO3	8.4	9.6	13	1.0	mg/L
Hydroxide as OH	<1.0	<1.0	NC*	1.0	mg/L
Chloride	5.6	6.0	7	1.0	mg/L
Fluoride	0.2	0.2	0.0**	0.1	mg/L
Nitrate + Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Sulfate	259	263	2	1.0	mg/L
Cations					
Calcium	9.9	9.8	1	1.0	mg/L
Magnesium	1.7	1.7	0.0**	1.0	mg/L
Potassium	12.6	12.5	1	1.0	mg/L
Sodium	151	150	1	0.2	mg/L
Cations	7.52	7.47	1		meq/L
Anions	7.57	7.67	1		meq/L
Cation/Anion Balance	0.33	1.32			%

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit
These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.

Reviewed By: Karen A Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 5BT138-1
Lab ID: 0104W01603
Matrix: Water
Condition: Cool/Intact

Report Date: 02/24/04
Receipt Date: 02/11/04
Sample Date: 02/11/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
Dissolved Metals					
Aluminum	<0.1	<0.1	NC*	0.1	mg/L
Arsenic	<0.005	<0.005	NC*	0.005	mg/L
Barium	<0.5	<0.5	NC*	0.5	mg/L
Boron	0.05	0.05	0	0.01	mg/L
Cadmium	<0.002	<0.002	NC*	0.002	mg/L
Chromium	<0.01	<0.01	NC*	0.01	mg/L
Copper	<0.01	<0.01	NC*	0.01	mg/L
Iron	<0.05	<0.05	NC*	0.05	mg/L
Lead	<0.02	<0.02	NC*	0.02	mg/L
Manganese	<0.02	<0.02	NC*	0.02	mg/L
Mercury	<0.001	<0.001	NC*	0.001	mg/L
Molybdenum	<0.02	<0.02	NC*	0.02	mg/L
Nickel	<0.01	<0.01	NC*	0.01	mg/L
Selenium	<0.005	<0.005	NC*	0.005	mg/L
Uranium	0.0158	0.0149	6	0.0001	mg/L
Vanadium	<0.1	<0.1	NC*	0.1	mg/L
Zinc	<0.01	<0.01	NC*	0.01	mg/L

*NC - Non-Calculable RPD due to value(s) less than DL
These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BL76-1
Lab ID: 0104W01604
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.9	s.u.			0.1	EPA 150.1	02/12/04	1645	RM
Lab Conductivity @ 25°C	1,860	µmhos/cm			5	SM 2510 B	02/12/04	1645	RM
Total Dissolved Solids @ 180°C	1,360	mg/L			10	SM 2540 C	02/12/04	1310	SV
Total Dissolved Solids(Calc)	1,220	mg/L			10	SM 1030 F.	02/13/04	0737	
Total Alkalinity as CaCO3	696	mg/L			1.0	SM 2320 B	02/12/04	1645	RM
Total Hardness as CaCO3	287	mg/L			1.0	SM 2340 B	02/13/04	0625	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	02/12/04	1653	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/13/04	0833	JF
Radium 226	378±15.7	pCi/L			0.2	SM 7500 Ra-B	02/23/04	1503	TP
Silica as SiO2	4.0	mg/L			0.1	EPA 200.7	02/13/04	0857	MH
Sodium Adsorption Ratio	8.7				N/A	Calculations	02/13/04	0625	
Anions									
Bicarbonate as HCO3	849	mg/L	13.92	meq/L	1.0	SM 2320 B	02/12/04	1645	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1645	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1645	RM
Chloride	27.1	mg/L	0.76	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	02/12/04	1645	RM
Nitrate + Nitrite as N	0.3	mg/L	0.02	meq/L	0.1	EPA 353.2	01/16/04	1422	JF
Sulfate	321	mg/L	6.68	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	90.3	mg/L	4.51	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Magnesium	15.0	mg/L	1.23	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Potassium	6.9	mg/L	0.18	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Sodium	339	mg/L	14.75	meq/L	0.2	EPA 200.7	02/13/04	0625	MH
Cations			20.67	meq/L	N/A	SM 1030 F.	02/13/04	0625	
Anions			21.38	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			1.69	%	N/A	SM 1030 F.	02/13/04	0625	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BL76-1
Lab ID: 0104W01604
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units	Units*	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	0.2	mg/L		0.1	EPA 200.7	02/13/04	0857	MH
Arsenic	0.052	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Barium	<0.5	mg/L		0.5	EPA 200.8	02/13/04	0810	JB
Boron	0.07	mg/L		0.01	EPA 200.7	02/13/04	0857	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/13/04	0810	JB
Chromium	0.02	mg/L		0.01	EPA 200.7	02/13/04	0857	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/13/04	0810	JB
Iron	<0.05	mg/L		0.05	EPA 200.7	02/13/04	0857	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Manganese	0.35	mg/L		0.02	EPA 200.7	02/13/04	0857	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/18/04	0935	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0857	MH
Selenium	1.06	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Uranium	20.7	mg/L		0.0001	EPA 200.8	02/13/04	0810	JB
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/13/04	0810	JB
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0857	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen A Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BQ158-1
Lab ID: 0104W01606
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units	Units*	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/13/04	0904	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Barium	<0.5	mg/L		0.5	EPA 200.8	02/13/04	0810	JB
Boron	0.04	mg/L		0.01	EPA 200.7	02/13/04	0904	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/13/04	0810	JB
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0904	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/13/04	0810	JB
Iron	<0.05	mg/L		0.05	EPA 200.7	02/13/04	0904	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Manganese	<0.02	mg/L		0.02	EPA 200.7	02/13/04	0904	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/18/04	0935	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0904	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Uranium	0.0082	mg/L		0.0001	EPA 200.8	02/13/04	0810	JB
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/13/04	0810	JB
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0904	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AP54-1
Lab ID: 0104W01503
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.0	s.u.			0.1	EPA 150.1	02/10/04	1737	RM
Lab Conductivity @ 25°C	1,220	µmhos/cm			5	SM 2510 B	02/10/04	1737	RM
Total Dissolved Solids @ 180°C	830	mg/L			10	SM 2540 C	02/10/04	1500	SV
Total Dissolved Solids(Calc)	770	mg/L			10	SM 1030 F.	02/12/04	1025	
Total Alkalinity as CaCO3	419	mg/L			1.0	SM 2320 B	02/10/04	1737	RM
Total Hardness as CaCO3	218	mg/L			1.0	SM 2340 B	02/11/04	0611	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	02/12/04	1604	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/10/04	1543	JF
Radium 226	435±15.4	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1242	TP
Silica as SiO2	3.2	mg/L			0.1	EPA 200.7	02/11/04	0833	MH
Sodium Adsorption Ratio	6.1				N/A	Calculations	02/11/04	0611	
Anions									
Bicarbonate as HCO3	511	mg/L	8.37	meq/L	1.0	SM 2320 B	02/10/04	1737	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1737	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1737	RM
Chloride	33.3	mg/L	0.94	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	02/10/04	1737	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1025	JF
Sulfate	198	mg/L	4.13	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Cations									
Calcium	67.3	mg/L	3.36	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Magnesium	12.2	mg/L	1.00	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Potassium	5.3	mg/L	0.14	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Sodium	207	mg/L	9.00	meq/L	0.2	EPA 200.7	02/13/04	0625	MH
Cations			13.50	meq/L	N/A	SM 1030 F.	02/11/04	0611	
Anions			13.44	meq/L	N/A	SM 1030 F.	02/12/04	1025	
Cation/Anion Balance			0.22	%	N/A	SM 1030 F.	02/11/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: COGEMA Mining,Inc.
P.O. Box 730
Mills, WY 82644

Project: Christensen
Sample ID: 5AP54-1
Lab ID: 0104W01503
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/11/04	0845	MH
Arsenic	0.013	mg/L		0.005	EPA 200.8	02/11/04	1252	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/11/04	1303	MS
Boron	0.06	mg/L		0.01	EPA 200.7	02/11/04	0845	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/11/04	1303	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0845	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/11/04	1303	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/11/04	0845	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1303	MS
Manganese	0.10	mg/L		0.02	EPA 200.7	02/11/04	0845	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1303	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0845	MH
Selenium	0.584	mg/L		0.005	EPA 200.8	02/11/04	1303	MS
Uranium	4.72	mg/L		0.0001	EPA 200.8	02/11/04	1303	MS
Vanadium	0.3	mg/L		0.1	EPA 200.8	02/11/04	1303	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0845	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen A Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 5AP54-1
Lab ID: 0104W01503
Matrix: Water
Condition: Cool/Intact

Report Date: 02/23/04
Receipt Date: 02/09/04
Sample Date: 02/09/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
General Parameters					
Lab pH	8.0	8.0	0	0.1	s.u.
Lab Conductivity @ 25°C	1,220	1,240	2	5	µmhos/cm
Total Dissolved Solids @ 180°C	830	830	0	10	mg/L
Total Dissolved Solids(Calc)	770	780	1	10	mg/L
Total Alkalinity as CaCO3	419	419	0	1.0	mg/L
Total Hardness as CaCO3	218	220	1	1.0	mg/L
Ammonia Nitrogen	0.2	0.2	0.0**	0.1	mg/L
Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Silica as SiO2	3.2	3.3	3	0.1	mg/L
Sodium Adsorption Ratio	6.1	6.1	0		
Anions					
Bicarbonate as HCO3	511	511	0	1.0	mg/L
Carbonate as CO3	<1.0	<1.0	NC*	1.0	mg/L
Hydroxide as OH	<1.0	<1.0	NC*	1.0	mg/L
Chloride	33.3	32.7	2	1.0	mg/L
Fluoride	<0.1	<0.1	NC*	0.1	mg/L
Nitrate + Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Sulfate	198	199	1	1.0	mg/L
Cations					
Calcium	67.3	67.7	1	1.0	mg/L
Magnesium	12.2	12.3	1	1.0	mg/L
Potassium	5.3	5.2	2	1.0	mg/L
Sodium	207	209	1	0.2	mg/L
Cations	13.50	13.61	1		meq/L
Anions	13.44	13.44	0		meq/L
Cation/Anion Balance	0.22	0.63			%

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit
These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 5AP54-1
Lab ID: 0104W01503
Matrix: Water
Condition: Cool/Intact

Report Date: 02/23/04
Receipt Date: 02/09/04
Sample Date: 02/09/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
Dissolved Metals					
Aluminum	<0.1	<0.1	NC*	0.1	mg/L
Arsenic	0.013	0.012	0.001**	0.005	mg/L
Barium	<0.5	<0.5	NC*	0.5	mg/L
Boron	0.06	0.06	0	0.01	mg/L
Cadmium	<0.002	<0.002	NC*	0.002	mg/L
Chromium	<0.01	<0.01	NC*	0.01	mg/L
Copper	<0.01	<0.01	NC*	0.01	mg/L
Iron	<0.05	<0.05	NC*	0.05	mg/L
Lead	<0.02	<0.02	NC*	0.02	mg/L
Manganese	0.10	0.10	0	0.02	mg/L
Mercury	<0.001	<0.001	NC*	0.001	mg/L
Molybdenum	<0.02	<0.02	NC*	0.02	mg/L
Nickel	<0.01	<0.01	NC*	0.01	mg/L
Selenium	0.584	0.575	2	0.005	mg/L
Uranium	4.72	4.58	3	0.0001	mg/L
Vanadium	0.3	0.3	0.0**	0.1	mg/L
Zinc	<0.01	<0.01	NC*	0.01	mg/L

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit
These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen A Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AM78-2
Lab ID: 0104W01504
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.8	s.u.			0.1	EPA 150.1	02/10/04	1802	RM
Lab Conductivity @ 25°C	482	µmhos/cm			5	SM 2510 B	02/10/04	1802	RM
Total Dissolved Solids @ 180°C	300	mg/L			10	SM 2540 C	02/10/04	1500	SV
Total Dissolved Solids(Calc)	290	mg/L			10	SM 1030 F.	02/12/04	1025	
Total Alkalinity as CaCO3	155	mg/L			1.0	SM 2320 B	02/10/04	1802	RM
Total Hardness as CaCO3	60.0	mg/L			1.0	SM 2340 B	02/11/04	0611	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	02/12/04	1604	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/10/04	1543	JF
Radium 226	377±14.7	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1242	TP
Silica as SiO2	3.0	mg/L			0.1	EPA 200.7	02/11/04	0833	MH
Sodium Adsorption Ratio	4.9				N/A	Calculations	02/11/04	0611	
Anions									
Bicarbonate as HCO3	189	mg/L	3.09	meq/L	1.0	SM 2320 B	02/10/04	1802	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1802	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1802	RM
Chloride	7.3	mg/L	0.21	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/10/04	1802	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1025	JF
Sulfate	80.6	mg/L	1.68	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Cations									
Calcium	18.0	mg/L	0.90	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Magnesium	3.7	mg/L	0.30	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Potassium	1.8	mg/L	0.05	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Sodium	87.5	mg/L	3.80	meq/L	0.2	EPA 200.7	02/11/04	0611	MH
Cations			5.05	meq/L	N/A	SM 1030 F.	02/11/04	0611	
Anions			4.99	meq/L	N/A	SM 1030 F.	02/12/04	1025	
Cation/Anion Balance			0.60	%	N/A	SM 1030 F.	02/11/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AM78-2
Lab ID: 0104W01504
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/11/04	0851	MH
Arsenic	0.008	mg/L		0.005	EPA 200.8	02/11/04	1252	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/11/04	1308	MS
Boron	0.05	mg/L		0.01	EPA 200.7	02/11/04	0851	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/11/04	1308	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0851	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/11/04	1308	MS
Iron	0.09	mg/L		0.05	EPA 200.7	02/11/04	0851	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1308	MS
Manganese	0.05	mg/L		0.02	EPA 200.7	02/11/04	0851	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1308	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0851	MH
Selenium	0.384	mg/L		0.005	EPA 200.8	02/11/04	1308	MS
Uranium	0.916	mg/L		0.0001	EPA 200.8	02/11/04	1308	MS
Vanadium	0.2	mg/L		0.1	EPA 200.8	02/11/04	1308	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0851	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AG68-1
Lab ID: 0104W01505
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.2	s.u.			0.1	EPA 150.1	02/10/04	1815	RM
Lab Conductivity @ 25°C	402	µmhos/cm			5	SM 2510 B	02/10/04	1815	RM
Total Dissolved Solids @ 180°C	250	mg/L			10	SM 2540 C	02/10/04	1500	SV
Total Dissolved Solids(Calc)	240	mg/L			10	SM 1030 F.	02/12/04	1025	
Total Alkalinity as CaCO3	172	mg/L			1.0	SM 2320 B	02/10/04	1815	RM
Total Hardness as CaCO3	47.5	mg/L			1.0	SM 2340 B	02/11/04	0611	
Ammonia Nitrogen	0.4	mg/L			0.1	EPA 350.1	02/12/04	1604	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/10/04	1543	JF
Radium 226	119±7.8	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1242	TP
Silica as SiO2	1.6	mg/L			0.1	EPA 200.7	02/11/04	0833	MH
Sodium Adsorption Ratio	4.8				N/A	Calculations	02/11/04	0611	
Anions									
Bicarbonate as HCO3	209	mg/L	3.43	meq/L	1.0	SM 2320 B	02/10/04	1815	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1815	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1815	RM
Chloride	3.6	mg/L	0.10	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/10/04	1815	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1025	JF
Sulfate	38.8	mg/L	0.81	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Cations									
Calcium	14.4	mg/L	0.72	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Magnesium	2.8	mg/L	0.23	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Potassium	2.5	mg/L	0.06	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Sodium	75.9	mg/L	3.30	meq/L	0.2	EPA 200.7	02/11/04	0611	MH
Cations			4.31	meq/L	N/A	SM 1030 F.	02/11/04	0611	
Anions			4.35	meq/L	N/A	SM 1030 F.	02/12/04	1025	
Cation/Anion Balance			0.46	%	N/A	SM 1030 F.	02/11/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AG68-1
Lab ID: 0104W01505
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/11/04	0854	MH
Arsenic	0.023	mg/L		0.005	EPA 200.8	02/11/04	1252	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/11/04	1311	MS
Boron	0.04	mg/L		0.01	EPA 200.7	02/11/04	0854	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/11/04	1311	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0854	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/11/04	1311	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/11/04	0854	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1311	MS
Manganese	0.03	mg/L		0.02	EPA 200.7	02/11/04	0854	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1311	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0854	MH
Selenium	0.752	mg/L		0.005	EPA 200.8	02/11/04	1311	MS
Uranium	1.56	mg/L		0.0001	EPA 200.8	02/11/04	1311	MS
Vanadium	0.5	mg/L		0.1	EPA 200.8	02/11/04	1311	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0854	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AE80-1
Lab ID: 0104W01506
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.8	s.u.			0.1	EPA 150.1	02/10/04	1828	RM
Lab Conductivity @ 25°C	1,330	µmhos/cm			5	SM 2510 B	02/10/04	1828	RM
Total Dissolved Solids @ 180°C	900	mg/L			10	SM 2540 C	02/10/04	1500	SV
Total Dissolved Solids(Calc)	850	mg/L			10	SM 1030 F.	02/12/04	1025	
Total Alkalinity as CaCO3	450	mg/L			1.0	SM 2320 B	02/10/04	1828	RM
Total Hardness as CaCO3	181	mg/L			1.0	SM 2340 B	02/11/04	0611	
Ammonia Nitrogen	0.3	mg/L			0.1	EPA 350.1	02/12/04	1604	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/10/04	1543	JF
Radium 226	198±9.8	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1242	TP
Silica as SiO2	3.9	mg/L			0.1	EPA 200.7	02/11/04	0833	MH
Sodium Adsorption Ratio	8.0				N/A	Calculations	02/11/04	0611	
Anions									
Bicarbonate as HCO3	548	mg/L	8.99	meq/L	1.0	SM 2320 B	02/10/04	1828	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1828	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1828	RM
Chloride	24.3	mg/L	0.68	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	02/10/04	1828	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1025	JF
Sulfate	236	mg/L	4.92	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Cations									
Calcium	53.4	mg/L	2.66	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Magnesium	11.5	mg/L	0.95	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Potassium	5.4	mg/L	0.14	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Sodium	248	mg/L	10.79	meq/L	0.2	EPA 200.7	02/11/04	0611	MH
Cations			14.54	meq/L	N/A	SM 1030 F.	02/11/04	0611	
Anions			14.59	meq/L	N/A	SM 1030 F.	02/12/04	1025	
Cation/Anion Balance			0.17	%	N/A	SM 1030 F.	02/11/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AE80-1
Lab ID: 0104W01506
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/11/04	0906	MH
Arsenic	0.027	mg/L		0.005	EPA 200.8	02/11/04	1252	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/11/04	1313	MS
Boron	0.06	mg/L		0.01	EPA 200.7	02/11/04	0906	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/11/04	1313	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0906	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/11/04	1313	MS
Iron	0.33	mg/L		0.05	EPA 200.7	02/11/04	0906	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1313	MS
Manganese	0.20	mg/L		0.02	EPA 200.7	02/11/04	0906	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1313	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0906	MH
Selenium	0.159	mg/L		0.005	EPA 200.8	02/11/04	1313	MS
Uranium	1.81	mg/L		0.0001	EPA 200.8	02/11/04	1313	MS
Vanadium	0.3	mg/L		0.1	EPA 200.8	02/11/04	1313	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0906	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AL66-1
Lab ID: 0104W01507
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.8	s.u.			0.1	EPA 150.1	02/10/04	1840	RM
Lab Conductivity @ 25°C	1,120	µmhos/cm			5	SM 2510 B	02/10/04	1840	RM
Total Dissolved Solids @ 180°C	730	mg/L			10	SM 2540 C	02/10/04	1500	SV
Total Dissolved Solids(Calc)	690	mg/L			10	SM 1030 F.	02/12/04	1025	
Total Alkalinity as CaCO3	416	mg/L			1.0	SM 2320 B	02/10/04	1840	RM
Total Hardness as CaCO3	192	mg/L			1.0	SM 2340 B	02/11/04	0611	
Ammonia Nitrogen	0.3	mg/L			0.1	EPA 350.1	02/12/04	1604	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/10/04	1543	JF
Radium 226	218±10.5	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1242	TP
Silica as SiO2	2.7	mg/L			0.1	EPA 200.7	02/11/04	0833	MH
Sodium Adsorption Ratio	5.9				N/A	Calculations	02/11/04	0611	
Anions									
Bicarbonate as HCO3	507	mg/L	8.31	meq/L	1.0	SM 2320 B	02/10/04	1840	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1840	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1840	RM
Chloride	18.7	mg/L	0.53	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/10/04	1840	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1025	JF
Sulfate	159	mg/L	3.30	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Cations									
Calcium	57.7	mg/L	2.88	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Magnesium	11.7	mg/L	0.96	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Potassium	4.6	mg/L	0.12	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Sodium	188	mg/L	8.18	meq/L	0.2	EPA 200.7	02/13/04	0625	MH
Cations			12.14	meq/L	N/A	SM 1030 F.	02/11/04	0611	
Anions			12.15	meq/L	N/A	SM 1030 F.	02/12/04	1025	
Cation/Anion Balance			0.04	%	N/A	SM 1030 F.	02/11/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AL66-1
Lab ID: 0104W01507
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/11/04	0910	MH
Arsenic	0.020	mg/L		0.005	EPA 200.8	02/11/04	1252	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/11/04	1324	MS
Boron	0.06	mg/L		0.01	EPA 200.7	02/11/04	0910	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/11/04	1324	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0910	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/11/04	1324	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/11/04	0910	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1324	MS
Manganese	0.14	mg/L		0.02	EPA 200.7	02/11/04	0910	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1324	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0910	MH
Selenium	0.695	mg/L		0.005	EPA 200.8	02/11/04	1324	MS
Uranium	2.32	mg/L		0.0001	EPA 200.8	02/11/04	1324	MS
Vanadium	0.1	mg/L		0.1	EPA 200.8	02/11/04	1324	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0910	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 2-10-04 Received by [signature] Date 2/10/04

Restoration Sample Description
Location: ___ Irigaray X Christensen Mine or Production Unit 5 Module # (if applicale) ___

Restoration Phase: ___ Groundwater Sweep (explain ___)
___ Reverse Osmosis Filtration (explain ___)
___ Recirculation (explain ___)
X Stabilization (explain unit 5 and Round)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : Tom nicholson

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Comments
1	TW0001	8-9-04	Half Gal.	X		X		
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	MW07		**	**	**	**	**	
3	5A074-1		**	**	**	**	**	
4	5BD50-1	2-10-04	**	**	**	**	**	
5	5BJ62-1		**	**	**	**	**	
6	5BA48-1		**	**	**	**	**	
7	5BH58-2		**	**	**	**	**	
8	5BG46-1		**	**	**	**	**	
9	5BK58-1		**	**	**	**	**	
10	5BK82-1		**	**	**	**	**	
11	5BS120-1		**	**	**	**	**	
12	5BN162-2		**	**	**	**	**	
13	5BN94-1		**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1

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SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 2-10-04 Received by [signature] Date 2/10/04 @ 1730

Restoration Sample Description
Location: ___ Irigaray _X_ Christensen Mine or Production Unit 5 Module # (if applicale) ___

Restoration Phase: ___ Groundwater Sweep (explain ___)
___ Reverse Osmosis Filtration (explain ___)
___ Recirculation (explain ___)
_X_ Stabilization (explain unit 5 and round.)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : Tom nicholson

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Lab id	Comments
1	TW 0001	2-9-04	Half Gal.	X		X		1562	
			Quart	X				"	
			8 ozs.		X			"	
			8 ozs.	X			X	"	
2	MW07		**	**	**	**	**	1563d	
3	5A074-1		**	**	**	**	**	1564	
4	5BD50-1	2-10-04	**	**	**	**	**	1565	
5	5BJ62-1		**	**	**	**	**	1566	
6	5BA48-1		**	**	**	**	**	1567	
7	5BH58-2		**	**	**	**	**	1568	
8	5BG46-1		**	**	**	**	**	1569	
9	5BK58-1		**	**	**	**	**	1570	
10	5BK88-1		**	**	**	**	**	1571	
11	5BS120-1		**	**	**	**	**	1572	
12	5BN162-2		**	**	**	**	**	1573d	
13	5BN94-1		**	**	**	**	**	1574	
14			**	**	**	**	**		
15			**	**	**	**	**		

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1

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Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: MW07
Lab ID: 0104W01563
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.8	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	1,360	µmhos/cm			5	SM 2510 B	02/11/04	1630	RM
Total Dissolved Solids @ 180°C	930	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	890	mg/L			10	SM 1030 F.	02/13/04	0005	
Total Alkalinity as CaCO3	478	mg/L			1.0	SM 2320 B	02/11/04	1630	RM
Total Hardness as CaCO3	210	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	02/12/04	1620	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	352±13.5	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	3.7	mg/L			0.1	EPA 200.7	02/12/04	0713	MH
Sodium Adsorption Ratio	7.7				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	583	mg/L	9.55	meq/L	1.0	SM 2320 B	02/11/04	1630	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1630	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1630	RM
Chloride	22.5	mg/L	0.63	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1630	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1045	JF
Sulfate	246	mg/L	5.11	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Cations									
Calcium	62.3	mg/L	3.11	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	13.3	mg/L	1.09	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	5.5	mg/L	0.14	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	256	mg/L	11.14	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			15.48	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			15.29	meq/L	N/A	SM 1030 F.	02/13/04	0005	
Cation/Anion Balance			0.62	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: MW07
Lab ID: 0104W01563
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0713	MH
Arsenic	0.022	mg/L		0.005	EPA 200.8	02/12/04	1216	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1216	MS
Boron	0.06	mg/L		0.01	EPA 200.7	02/12/04	0713	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1216	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0713	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1216	MS
Iron	0.16	mg/L		0.05	EPA 200.7	02/12/04	0713	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1216	MS
Manganese	0.44	mg/L		0.02	EPA 200.7	02/12/04	0713	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1216	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0713	MH
Selenium	3.76	mg/L		0.005	EPA 200.8	02/12/04	1216	MS
Uranium	2.85	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/12/04	1216	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0713	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: MW07
Lab ID: 0104W01563
Matrix: Water
Condition: Cool/Intact

Report Date: 02/24/04
Receipt Date: 02/10/04
Sample Date: 02/09/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
General Parameters					
Lab pH	7.8	7.8	0	0.1	s.u.
Lab Conductivity @ 25°C	1,360	1,380	-1	5	µmhos/cm
Total Dissolved Solids @ 180°C	930	920	1	10	mg/L
Total Dissolved Solids(Calc)	890	880	1	10	mg/L
Total Alkalinity as CaCO3	478	480	0	1.0	mg/L
Total Hardness as CaCO3	210	207	1	1.0	mg/L
Ammonia Nitrogen	0.1	0.1	0.0**	0.1	mg/L
Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Silica as SiO2	3.7	3.7	0	0.1	mg/L
Sodium Adsorption Ratio	7.7	7.7	0		
Anions					
Bicarbonate as HCO3	583	586	1	1.0	mg/L
Carbonate as CO3	<1.0	<1.0	NC*	1.0	mg/L
Hydroxide as OH	<1.0	<1.0	NC*	1.0	mg/L
Chloride	22.5	22.0	2	1.0	mg/L
Fluoride	<0.1	<0.1	NC*	0.1	mg/L
Nitrate + Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Sulfate	246	238	3	1.0	mg/L
Cations					
Calcium	62.3	61.4	1	1.0	mg/L
Magnesium	13.3	13.1	2	1.0	mg/L
Potassium	5.5	5.5	0	1.0	mg/L
Sodium	256	254	1	0.2	mg/L
Cations	15.48	15.33	1		meq/L
Anions	15.29	15.17	1		meq/L
Cation/Anion Balance	0.62	0.52			%

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit
These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: MW07
Lab ID: 0104W01563
Matrix: Water
Condition: Cool/Intact

Report Date: 02/24/04
Receipt Date: 02/10/04
Sample Date: 02/09/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
Dissolved Metals					
Aluminum	<0.1	<0.1	NC*	0.1	mg/L
Arsenic	0.022	0.022	0.000**	0.005	mg/L
Barium	<0.5	<0.5	NC*	0.5	mg/L
Boron	0.06	0.06	0	0.01	mg/L
Cadmium	<0.002	<0.002	NC*	0.002	mg/L
Chromium	<0.01	<0.01	NC*	0.01	mg/L
Copper	<0.01	<0.01	NC*	0.01	mg/L
Iron	0.16	0.17	0.01**	0.05	mg/L
Lead	<0.02	<0.02	NC*	0.02	mg/L
Manganese	0.44	0.44	0	0.02	mg/L
Mercury	<0.001	<0.001	NC*	0.001	mg/L
Molybdenum	<0.02	<0.02	NC*	0.02	mg/L
Nickel	<0.01	<0.01	NC*	0.01	mg/L
Selenium	3.76	3.80	1	0.005	mg/L
Uranium	2.85	2.94	3	0.0001	mg/L
Vanadium	<0.1	<0.1	NC*	0.1	mg/L
Zinc	<0.01	<0.01	NC*	0.01	mg/L

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit
These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals In Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5A074-1
Lab ID: 0104W01564
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.9	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	310	µmhos/cm			5	SM 2510 B	02/11/04	1655	RM
Total Dissolved Solids @ 180°C	200	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	190	mg/L			10	SM 1030 F.	02/13/04	0005	
Total Alkalinity as CaCO3	118	mg/L			1.0	SM 2320 B	02/11/04	1655	RM
Total Hardness as CaCO3	24.0	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	02/12/04	1622	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	32.9±4.3	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	3.0	mg/L			0.1	EPA 200.7	02/12/04	0719	MH
Sodium Adsorption Ratio	5.7				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	143	mg/L	2.35	meq/L	1.0	SM 2320 B	02/11/04	1655	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1655	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1655	RM
Chloride	2.6	mg/L	0.07	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1655	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1047	JF
Sulfate	45.1	mg/L	0.94	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Cations									
Calcium	7.3	mg/L	0.36	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	1.4	mg/L	0.12	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	1.3	mg/L	0.03	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	64.0	mg/L	2.78	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			3.29	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			3.37	meq/L	N/A	SM 1030 F.	02/13/04	0005	
Cation/Anion Balance			1.20	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5A074-1
Lab ID: 0104W01564
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0719	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	02/12/04	1221	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1221	MS
Boron	0.05	mg/L		0.01	EPA 200.7	02/12/04	0719	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1221	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0719	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1221	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0719	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1221	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	02/12/04	0719	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1221	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0719	MH
Selenium	0.031	mg/L		0.005	EPA 200.8	02/12/04	1221	MS
Uranium	0.247	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/12/04	1221	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0719	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BD50-1
Lab ID: 0104W01565
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.0	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	468	µmhos/cm			5	SM 2510 B	02/11/04	1706	RM
Total Dissolved Solids @ 180°C	300	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	300	mg/L			10	SM 1030 F.	02/13/04	0005	
Total Alkalinity as CaCO3	181	mg/L			1.0	SM 2320 B	02/11/04	1706	RM
Total Hardness as CaCO3	37.0	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	02/12/04	1623	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	89.9±7.1	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	2.4	mg/L			0.1	EPA 200.7	02/12/04	0722	MH
Sodium Adsorption Ratio	7.2				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	220	mg/L	3.61	meq/L	1.0	SM 2320 B	02/11/04	1706	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1706	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1706	RM
Chloride	4.9	mg/L	0.14	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1706	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1048	JF
Sulfate	65.2	mg/L	1.36	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Cations									
Calcium	11.3	mg/L	0.56	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	2.2	mg/L	0.18	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	2.2	mg/L	0.06	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	101	mg/L	4.39	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			5.19	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			5.12	meq/L	N/A	SM 1030 F.	02/13/04	0005	
Cation/Anion Balance			0.68	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BD50-1
Lab ID: 0104W01565
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0722	MH
Arsenic	0.023	mg/L		0.005	EPA 200.8	02/12/04	1338	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1338	MS
Boron	0.04	mg/L		0.01	EPA 200.7	02/12/04	0722	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1338	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0722	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1338	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0722	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1338	MS
Manganese	0.02	mg/L		0.02	EPA 200.7	02/12/04	0722	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1338	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0722	MH
Selenium	1.16	mg/L		0.005	EPA 200.8	02/12/04	1338	MS
Uranium	3.29	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	0.3	mg/L		0.1	EPA 200.8	02/12/04	1338	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0722	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BJ62-1
Lab ID: 0104W01566
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.1	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	520	µmhos/cm			5	SM 2510 B	02/11/04	1718	RM
Total Dissolved Solids @ 180°C	340	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	330	mg/L			10	SM 1030 F.	02/13/04	0005	
Total Alkalinity as CaCO3	212	mg/L			1.0	SM 2320 B	02/11/04	1718	RM
Total Hardness as CaCO3	71.0	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	02/12/04	1624	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	72.6±6.3	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	2.4	mg/L			0.1	EPA 200.7	02/12/04	0725	MH
Sodium Adsorption Ratio	5.2				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	259	mg/L	4.24	meq/L	1.0	SM 2320 B	02/11/04	1718	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1718	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1718	RM
Chloride	4.8	mg/L	0.14	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1718	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1049	JF
Sulfate	68.0	mg/L	1.42	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Cations									
Calcium	22.0	mg/L	1.10	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	3.9	mg/L	0.32	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	2.3	mg/L	0.06	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	100	mg/L	4.35	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			5.83	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			5.81	meq/L	N/A	SM 1030 F.	02/13/04	0005	
Cation/Anion Balance			0.17	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BJ62-1
Lab ID: 0104W01566
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0725	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	02/12/04	1227	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1227	MS
Boron	0.05	mg/L		0.01	EPA 200.7	02/12/04	0725	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1227	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0725	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1227	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0725	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1227	MS
Manganese	0.05	mg/L		0.02	EPA 200.7	02/12/04	0725	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1227	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0725	MH
Selenium	0.037	mg/L		0.005	EPA 200.8	02/12/04	1227	MS
Uranium	1.45	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/12/04	1227	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0725	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BA48-1
Lab ID: 0104W01567
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.4	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	259	µmhos/cm			5	SM 2510 B	02/11/04	1729	RM
Total Dissolved Solids @ 180°C	170	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	160	mg/L			10	SM 1030 F.	02/13/04	0005	
Total Alkalinity as CaCO3	118	mg/L			1.0	SM 2320 B	02/11/04	1729	RM
Total Hardness as CaCO3	19.0	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	02/12/04	1625	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	53.7±5.6	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	1.7	mg/L			0.1	EPA 200.7	02/12/04	0615	MH
Sodium Adsorption Ratio	5.5				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	139	mg/L	2.27	meq/L	1.0	SM 2320 B	02/11/04	1729	RM
Carbonate as CO3	2.4	mg/L	0.08	meq/L	1.0	SM 2320 B	02/11/04	1729	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1729	RM
Chloride	2.0	mg/L	0.06	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1729	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1050	JF
Sulfate	21.0	mg/L	0.44	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Cations									
Calcium	5.9	mg/L	0.29	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	1.1	mg/L	0.09	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	1.4	mg/L	0.04	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	54.8	mg/L	2.38	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			2.80	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			2.86	meq/L	N/A	SM 1030 F.	02/13/04	0005	
Cation/Anion Balance			1.06	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BA48-1
Lab ID: 0104W01567
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0615	MH
Arsenic	0.006	mg/L		0.005	EPA 200.8	02/12/04	1229	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1229	MS
Boron	0.04	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1229	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1229	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0615	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1229	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	02/12/04	0615	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1229	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Selenium	0.130	mg/L		0.005	EPA 200.8	02/12/04	1229	MS
Uranium	0.514	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/12/04	1229	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BH58-2
Lab ID: 0104W01568
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.5	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	496	µmhos/cm			5	SM 2510 B	02/11/04	1740	RM
Total Dissolved Solids @ 180°C	320	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	300	mg/L			10	SM 1030 F.	02/13/04	0005	
Total Alkalinity as CaCO3	229	mg/L			1.0	SM 2320 B	02/11/04	1740	RM
Total Hardness as CaCO3	39.5	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	0.4	mg/L			0.1	EPA 350.1	02/12/04	1626	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	455±15.5	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	2.8	mg/L			0.1	EPA 200.7	02/12/04	0615	MH
Sodium Adsorption Ratio	6.8				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	261	mg/L	4.28	meq/L	1.0	SM 2320 B	02/11/04	1740	RM
Carbonate as CO3	9.0	mg/L	0.30	meq/L	1.0	SM 2320 B	02/11/04	1740	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1740	RM
Chloride	3.3	mg/L	0.09	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1740	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1051	JF
Sulfate	42.7	mg/L	0.89	meq/L	1.0	EPA 300.0	02/17/04	0005	LK
Cations									
Calcium	12.3	mg/L	0.61	meq/L	1.0	EPA 200.7	02/17/04	0611	MH
Magnesium	2.2	mg/L	0.18	meq/L	1.0	EPA 200.7	02/17/04	0611	MH
Potassium	2.2	mg/L	0.06	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	97.8	mg/L	4.25	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			5.10	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			5.57	meq/L	N/A	SM 1030 F.	02/13/04	0005	
Cation/Anion Balance			4.40 AN	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested. AN - Analysis repeated with no significant changes.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BH58-2
Lab ID: 0104W01568
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0615	MH
Arsenic	0.027	mg/L		0.005	EPA 200.8	02/12/04	1333	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1333	MS
Boron	0.04	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1333	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1333	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0615	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1333	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	02/12/04	0615	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1333	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Selenium	0.123	mg/L		0.005	EPA 200.8	02/12/04	1333	MS
Uranium	1.29	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	0.1	mg/L		0.1	EPA 200.8	02/12/04	1333	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BG46-1
Lab ID: 0104W01569
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.1	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	368	µmhos/cm			5	SM 2510 B	02/11/04	1752	RM
Total Dissolved Solids @ 180°C	240	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	230	mg/L			10	SM 1030 F.	02/13/04	0005	
Total Alkalinity as CaCO3	149	mg/L			1.0	SM 2320 B	02/11/04	1752	RM
Total Hardness as CaCO3	35.5	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	02/12/04	1627	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	197±9.7	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SIO2	2.5	mg/L			0.1	EPA 200.7	02/12/04	0615	MH
Sodium Adsorption Ratio	5.5				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	182	mg/L	2.98	meq/L	1.0	SM 2320 B	02/11/04	1752	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1752	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1752	RM
Chloride	3.6	mg/L	0.10	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1752	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1052	JF
Sulfate	49.3	mg/L	1.03	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Cations									
Calcium	10.6	mg/L	0.53	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	2.2	mg/L	0.18	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	1.8	mg/L	0.05	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	75.0	mg/L	3.26	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			4.02	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			4.12	meq/L	N/A	SM 1030 F.	02/13/04	0005	
Cation/Anion Balance			1.23	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BG46-1
Lab ID: 0104W01569
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0615	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	02/12/04	1234	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1234	MS
Boron	0.06	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1234	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1234	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0615	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1234	MS
Manganese	0.02	mg/L		0.02	EPA 200.7	02/12/04	0615	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1234	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Selenium	0.078	mg/L		0.005	EPA 200.8	02/12/04	1234	MS
Uranium	0.732	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/12/04	1234	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BK58-1
Lab ID: 0104W01570
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.7	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	1,340	µmhos/cm			5	SM 2510 B	02/11/04	1804	RM
Total Dissolved Solids @ 180°C	910	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	830	mg/L			10	SM 1030 F.	02/13/04	0737	
Total Alkalinity as CaCO3	396	mg/L			1.0	SM 2320 B	02/11/04	1804	RM
Total Hardness as CaCO3	166	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	02/12/04	1634	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	1130±23.3	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	3.8	mg/L			0.1	EPA 200.7	02/12/04	0615	MH
Sodium Adsorption Ratio	8.1				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	483	mg/L	7.92	meq/L	1.0	SM 2320 B	02/11/04	1804	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1804	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1804	RM
Chloride	19.7	mg/L	0.56	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1804	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1053	JF
Sulfate	267	mg/L	5.55	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	49.2	mg/L	2.46	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	10.5	mg/L	0.86	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	5.1	mg/L	0.13	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	241	mg/L	10.48	meq/L	0.2	EPA 200.7	02/17/04	0611	MH
Cations			13.93	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			14.03	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			0.36	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BK58-1
Lab ID: 0104W01570
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0615	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	02/12/04	1237	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1237	MS
Boron	0.08	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1237	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1237	MS
Iron	0.20	mg/L		0.05	EPA 200.7	02/12/04	0615	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1237	MS
Manganese	0.13	mg/L		0.02	EPA 200.7	02/12/04	0615	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1237	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Selenium	0.152	mg/L		0.005	EPA 200.8	02/12/04	1237	MS
Uranium	4.23	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/12/04	1237	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BK82-1
Lab ID: 0104W01571
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.0	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	717	µmhos/cm			5	SM 2510 B	02/11/04	1816	RM
Total Dissolved Solids @ 180°C	460	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	430	mg/L			10	SM 1030 F.	02/13/04	0737	
Total Alkalinity as CaCO3	306	mg/L			1.0	SM 2320 B	02/11/04	1816	RM
Total Hardness as CaCO3	90.5	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	02/12/04	1635	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	81.7±6.4	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	3.4	mg/L			0.1	EPA 200.7	02/12/04	0615	MH
Sodium Adsorption Ratio	6.2				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	373	mg/L	6.11	meq/L	1.0	SM 2320 B	02/11/04	1816	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1816	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1816	RM
Chloride	6.6	mg/L	0.19	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1816	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1101	JF
Sulfate	71.7	mg/L	1.49	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	26.7	mg/L	1.33	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	5.8	mg/L	0.48	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	2.8	mg/L	0.07	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	136	mg/L	5.92	meq/L	0.2	EPA 200.7	02/17/04	0611	MH
Cations			7.80	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			7.80	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			0.00	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances In Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BK82-1
Lab ID: 0104W01571
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0615	MH
Arsenic	0.014	mg/L		0.005	EPA 200.8	02/12/04	1248	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1248	MS
Boron	0.06	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1248	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1248	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0615	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1248	MS
Manganese	0.05	mg/L		0.02	EPA 200.7	02/12/04	0615	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1248	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Selenium	0.284	mg/L		0.005	EPA 200.8	02/12/04	1248	MS
Uranium	1.39	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	0.3	mg/L		0.1	EPA 200.8	02/12/04	1248	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals In Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BS120-1
Lab ID: 0104W01572
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.5	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	511	µmhos/cm			5	SM 2510 B	02/11/04	1827	RM
Total Dissolved Solids @ 180°C	330	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	300	mg/L			10	SM 1030 F.	02/13/04	0737	
Total Alkalinity as CaCO3	230	mg/L			1.0	SM 2320 B	02/11/04	1827	RM
Total Hardness as CaCO3	35.5	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	02/12/04	1636	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	93.7±6.9	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	3.4	mg/L			0.1	EPA 200.7	02/12/04	0615	MH
Sodium Adsorption Ratio	7.2				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	264	mg/L	4.33	meq/L	1.0	SM 2320 B	02/11/04	1827	RM
Carbonate as CO3	7.8	mg/L	0.26	meq/L	1.0	SM 2320 B	02/11/04	1827	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1827	RM
Chloride	3.1	mg/L	0.09	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	0.3	mg/L	0.02	meq/L	0.1	SM 4500-F-C	02/11/04	1827	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1102	JF
Sulfate	41.6	mg/L	0.87	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	10.5	mg/L	0.52	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	2.3	mg/L	0.19	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	2.8	mg/L	0.07	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	99.0	mg/L	4.31	meq/L	0.2	EPA 200.7	02/17/04	0611	MH
Cations			5.09	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			5.57	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			4.50 AN	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested. AN - Analysis repeated with no significant changes.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances In Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BS120-1
Lab ID: 0104W01572
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0615	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	02/12/04	1253	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1253	MS
Boron	0.06	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1253	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1253	MS
Iron	0.07	mg/L		0.05	EPA 200.7	02/12/04	0615	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1253	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	02/12/04	0615	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1253	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Selenium	0.103	mg/L		0.005	EPA 200.8	02/12/04	1253	MS
Uranium	0.841	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	0.1	mg/L		0.1	EPA 200.8	02/12/04	1253	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BN162-2
Lab ID: 0104W01573
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.2	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	342	µmhos/cm			5	SM 2510 B	02/11/04	1839	RM
Total Dissolved Solids @ 180°C	220	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	210	mg/L			10	SM 1030 F.	02/13/04	0737	
Total Alkalinity as CaCO3	137	mg/L			1.0	SM 2320 B	02/11/04	1839	RM
Total Hardness as CaCO3	43.5	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	02/12/04	1637	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	56.9±6.4	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	1.8	mg/L			0.1	EPA 200.7	02/12/04	0615	MH
Sodium Adsorption Ratio	4.2				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	167	mg/L	2.73	meq/L	1.0	SM 2320 B	02/11/04	1839	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1839	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1839	RM
Chloride	2.8	mg/L	0.08	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1839	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1103	JF
Sulfate	38.9	mg/L	0.81	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	13.3	mg/L	0.66	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	2.5	mg/L	0.21	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	2.1	mg/L	0.05	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	63.9	mg/L	2.78	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			3.70	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			3.62	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			1.09	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: COGEMA Mining,Inc.
P.O. Box 730
Mills, WY 82644

Project: Christensen
Sample ID: 5BN162-2
Lab ID: 0104W01573
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0615	MH
Arsenic	0.007	mg/L		0.005	EPA 200.8	02/12/04	1255	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1255	MS
Boron	0.06	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1255	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1255	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0615	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1255	MS
Manganese	0.02	mg/L		0.02	EPA 200.7	02/12/04	0615	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1255	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Selenium	0.108	mg/L		0.005	EPA 200.8	02/12/04	1255	MS
Uranium	0.440	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	0.2	mg/L		0.1	EPA 200.8	02/12/04	1255	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen A Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 5BN162-2
Lab ID: 0104W01573
Matrix: Water
Condition: Cool/Intact

Report Date: 02/24/04
Receipt Date: 02/10/04
Sample Date: 02/10/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
General Parameters					
Lab pH	8.2	8.2	0	0.1	s.u.
Lab Conductivity @ 25°C	342	341	0	5	µmhos/cm
Total Dissolved Solids @ 180°C	220	220	0	10	mg/L
Total Dissolved Solids(Calc)	210	210	0	10	mg/L
Total Alkalinity as CaCO3	137	137	0	1.0	mg/L
Total Hardness as CaCO3	43.5	43.0	1	1.0	mg/L
Ammonia Nitrogen	0.2	0.2	0.0**	0.1	mg/L
Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Silica as SiO2	1.8	1.8	0	0.1	mg/L
Sodium Adsorption Ratio	4.2	4.2	0		
Anions					
Bicarbonate as HCO3	167	167	0	1.0	mg/L
Carbonate as CO3	<1.0	<1.0	NC*	1.0	mg/L
Hydroxide as OH	<1.0	<1.0	NC*	1.0	mg/L
Chloride	2.8	2.6	0.2**	1.0	mg/L
Fluoride	<0.1	<0.1	NC*	0.1	mg/L
Nitrate + Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Sulfate	38.9	39.7	2	1.0	mg/L
Cations					
Calcium	13.3	13.2	1	1.0	mg/L
Magnesium	2.5	2.4	0.1**	1.0	mg/L
Potassium	2.1	2.1	0.0**	1.0	mg/L
Sodium	63.9	63.9	0	0.2	mg/L
Cations	3.70	3.69	0		meq/L
Anions	3.62	3.64	1		meq/L
Cation/Anion Balance	1.09	0.68			%

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit
These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 5BN162-2
Lab ID: 0104W01573
Matrix: Water
Condition: Cool/Intact

Report Date: 02/24/04
Receipt Date: 02/10/04
Sample Date: 02/10/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
Dissolved Metals					
Aluminum	<0.1	<0.1	NC*	0.1	mg/L
Arsenic	0.007	0.007	0.000**	0.005	mg/L
Barium	<0.5	<0.5	NC*	0.5	mg/L
Boron	0.06	0.06	0	0.01	mg/L
Cadmium	<0.002	<0.002	NC*	0.002	mg/L
Chromium	<0.01	<0.01	NC*	0.01	mg/L
Copper	<0.01	<0.01	NC*	0.01	mg/L
Iron	<0.05	<0.05	NC*	0.05	mg/L
Lead	<0.02	<0.02	NC*	0.02	mg/L
Manganese	0.02	0.02	0.00**	0.02	mg/L
Mercury	<0.001	<0.001	NC*	0.001	mg/L
Molybdenum	<0.02	<0.02	NC*	0.02	mg/L
Nickel	<0.01	<0.01	NC*	0.01	mg/L
Selenium	0.108	0.092	16	0.005	mg/L
Uranium	0.440	0.369	18	0.0001	mg/L
Vanadium	0.2	0.2	0.0**	0.1	mg/L
Zinc	<0.01	<0.01	NC*	0.01	mg/L

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit
These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BJ54-1
Lab ID: 0104W01605
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.4	s.u.			0.1	EPA 150.1	02/12/04	1657	RM
Lab Conductivity @ 25°C	1,120	µmhos/cm			5	SM 2510 B	02/12/04	1657	RM
Total Dissolved Solids @ 180°C	760	mg/L			10	SM 2540 C	02/12/04	1310	SV
Total Dissolved Solids(Calc)	680	mg/L			10	SM 1030 F.	02/17/04	0611	
Total Alkalinity as CaCO3	310	mg/L			1.0	SM 2320 B	02/12/04	1657	RM
Total Hardness as CaCO3	172	mg/L			1.0	SM 2340 B	02/13/04	0625	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	02/12/04	1654	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/13/04	0833	JF
Radium 226	456±17.1	pCi/L			0.2	SM 7500 Ra-B	02/23/04	1503	TP
Silica as SiO2	3.6	mg/L			0.1	EPA 200.7	02/13/04	0901	MH
Sodium Adsorption Ratio	5.9				N/A	Calculations	02/17/04	0611	
Anions									
Bicarbonate as HCO3	378	mg/L	6.19	meq/L	1.0	SM 2320 B	02/12/04	1657	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1657	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1657	RM
Chloride	14.5	mg/L	0.41	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	02/12/04	1657	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	01/16/04	1422	JF
Sulfate	234	mg/L	4.87	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	51.6	mg/L	2.57	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Magnesium	10.6	mg/L	0.87	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Potassium	4.7	mg/L	0.12	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Sodium	178	mg/L	7.74	meq/L	0.2	EPA 200.7	02/17/04	0611	MH
Cations			11.30	meq/L	N/A	SM 1030 F.	02/17/04	0611	
Anions			11.47	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			0.75	%	N/A	SM 1030 F.	02/17/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BJ54-1
Lab ID: 0104W01605
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/13/04	0901	MH
Arsenic	0.016	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Barium	<0.5	mg/L		0.5	EPA 200.8	02/13/04	0810	JB
Boron	0.06	mg/L		0.01	EPA 200.7	02/13/04	0901	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/13/04	0810	JB
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0901	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/13/04	0810	JB
Iron	0.17	mg/L		0.05	EPA 200.7	02/13/04	0901	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Manganese	0.15	mg/L		0.02	EPA 200.7	02/13/04	0901	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/18/04	0935	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0901	MH
Selenium	0.208	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Uranium	1.60	mg/L		0.0001	EPA 200.8	02/13/04	0810	JB
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/13/04	0810	JB
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0901	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BQ158-1
Lab ID: 0104W01606
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.4	s.u.			0.1	EPA 150.1	02/12/04	1708	RM
Lab Conductivity @ 25°C	854	µmhos/cm			5	SM 2510 B	02/12/04	1708	RM
Total Dissolved Solids @ 180°C	570	mg/L			10	SM 2540 C	02/12/04	1310	SV
Total Dissolved Solids(Calc)	500	mg/L			10	SM 1030 F.	02/17/04	0611	
Total Alkalinity as CaCO3	96.5	mg/L			1.0	SM 2320 B	02/12/04	1708	RM
Total Hardness as CaCO3	44.0	mg/L			1.0	SM 2340 B	02/13/04	0625	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	02/12/04	1655	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/13/04	0833	JF
Radium 226	59.4±6.4	pCi/L			0.2	SM 7500 Ra-B	02/23/04	1503	TP
Silica as SiO2	3.5	mg/L			0.1	EPA 200.7	02/13/04	0904	MH
Sodium Adsorption Ratio	10.0				N/A	Calculations	02/17/04	0611	
Anions									
Bicarbonate as HCO3	114	mg/L	1.87	meq/L	1.0	SM 2320 B	02/12/04	1708	RM
Carbonate as CO3	1.8	mg/L	0.06	meq/L	1.0	SM 2320 B	02/12/04	1708	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1708	RM
Chloride	5.4	mg/L	0.15	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/12/04	1708	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	01/16/04	1422	JF
Sulfate	264	mg/L	5.49	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	13.0	mg/L	0.65	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Magnesium	2.8	mg/L	0.23	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Potassium	3.4	mg/L	0.09	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Sodium	152	mg/L	6.61	meq/L	0.2	EPA 200.7	02/17/04	0611	MH
Cations			7.58	meq/L	N/A	SM 1030 F.	02/17/04	0611	
Anions			7.58	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			0.00	%	N/A	SM 1030 F.	02/17/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BN94-1
Lab ID: 0104W01574
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.9	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	527	µmhos/cm			5	SM 2510 B	02/11/04	1901	RM
Total Dissolved Solids @ 180°C	340	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	310	mg/L			10	SM 1030 F.	02/13/04	0737	
Total Alkalinity as CaCO3	114	mg/L			1.0	SM 2320 B	02/11/04	1901	RM
Total Hardness as CaCO3	33.5	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	02/12/04	1639	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	14.3±3.1	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	2.4	mg/L			0.1	EPA 200.7	02/12/04	0615	MH
Sodium Adsorption Ratio	7.2				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	118	mg/L	1.93	meq/L	1.0	SM 2320 B	02/11/04	1901	RM
Carbonate as CO3	10.2	mg/L	0.34	meq/L	1.0	SM 2320 B	02/11/04	1901	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1901	RM
Chloride	5.2	mg/L	0.15	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	0.3	mg/L	0.02	meq/L	0.1	SM 4500-F-C	02/11/04	1901	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1105	JF
Sulfate	122	mg/L	2.54	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	10.6	mg/L	0.53	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	1.7	mg/L	0.14	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	2.2	mg/L	0.06	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	95.8	mg/L	4.17	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			4.90	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			4.98	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			0.81	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BN94-1
Lab ID: 0104W01574
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0615	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	02/12/04	1336	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1336	MS
Boron	0.04	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1336	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1336	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0615	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1336	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	02/12/04	0615	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1336	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Selenium	0.675	mg/L		0.005	EPA 200.8	02/12/04	1336	MS
Uranium	0.321	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	0.1	mg/L		0.1	EPA 200.8	02/12/04	1336	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 2-11-04 Received by [signature] Date 2/11/04 @1730

Restoration Sample Description

Location: ___ Irigaray _X_ Christensen Mine or Production Unit 225 Module # (if applicale) _____

Restoration Phase: ___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
_X_ Stabilization (explain_____)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : Tom nicholson

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Lab id	Comments
1	5BL66-1	2-11-04	Half Gal.	X		X		1602	
			Quart	X				"	
			8 ozs.		X			"	
			8 ozs.	X			X	"	
2	5BT138-1		**	**	**	**	**	1603d	
3	5BL76-1		**	**	**	**	**	1604	
4	5BJ54-1		**	**	**	**	**	1605	
5	5BQ158-1		**	**	**	**	**	1606	
6	2AA28-1		**	**	**	**	**	1607	
7	2Y46-1		**	**	**	**	**	1608	
8	2Z35-1		**	**	**	**	**	1609	
9			**	**	**	**	**		
10			**	**	**	**	**		
11			**	**	**	**	**		
12			**	**	**	**	**		
13			**	**	**	**	**		
14			**	**	**	**	**		
15			**	**	**	**	**		

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1

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SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 2-9-04 Received by _____ Date _____

Restoration Sample Description
Location: ___ Irigaray _X_ Christensen Mine or Production Unit 5-5 Module # (if applicale) 65

Restoration Phase:
___ Groundwater Sweep (explain _____)
_X_ Reverse Osmosis Filtration (explain 65/ 3PVD)
___ Recirculation (explain _____)
_X_ Stabilization (explain 2ND Round)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : Tom nicholson

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Comments
1	CR mod65/3PVD	2-9-04	Half Gal.	X		X		
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	AP-02		**	**	**	**	**	
3	MW-03		**	**	**	**	**	
4	5AP54-1		**	**	**	**	**	
5	5AM78-2		**	**	**	**	**	
6	5AB68-1		**	**	**	**	**	
7	5AE80-1		**	**	**	**	**	
8	5AL66-1		**	**	**	**	**	
9			**	**	**	**	**	
10			**	**	**	**	**	
11			**	**	**	**	**	
12			**	**	**	**	**	
13			**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1

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SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [illegible] Date 2-9-04 Received by [illegible] Date 2/9/04 @ 1730

Restoration Sample Description

Location: ___ Irigaray _x_ Christensen Mine or Production Unit 6-5 Module # (if applicale) 65

Restoration Phase: ___ Groundwater Sweep (explain ___)
_X_ Reverse Osmosis Filtration (explain 65/3PVD)
___ Recirculation (explain ___)
_X_ Stabilization (explain 2nd Round)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : Tom nicholson

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Lab id	Comments
1	CR mid 65/3PVD	2-9-04	Half Gal.	X		X		1500	
			Quart	X				"	
			8 ozs.		X			"	
			8 ozs.	X			X	"	
2	AP-02		**	**	**	**	**	1501	
3	MW-03		**	**	**	**	**	1502	
4	5AP54-1		**	**	**	**	**	1503 d	
5	5AM78-2		**	**	**	**	**	1504	
6	5AB68-1		**	**	**	**	**	1505	
7	5AE80-1		**	**	**	**	**	1506	
8	5AL66-1		**	**	**	**	**	1507	
9			**	**	**	**	**		
10			**	**	**	**	**		
11			**	**	**	**	**		
12			**	**	**	**	**		
13			**	**	**	**	**		
14			**	**	**	**	**		
15			**	**	**	**	**		

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1

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SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 2-10-04 Received by [signature] Date 2/10/04 @ 1730

Restoration Sample Description
Location: ___ Irigaray X Christensen Mine or Production Unit 5 Module # (if applicale) _____

Restoration Phase: ___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
X Stabilization (explain unit 5 and Round)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : Tom nicholson

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Lab id	Comments
1	TW0001	2-9-04	Half Gal.	X		X		1562	
			Quart	X				"	
			8 ozs.		X			"	
			8 ozs.	X			X	"	
2	MW07		**	**	**	**	**	1563d	
3	5A074-1		**	**	**	**	**	1564	
4	5BD50-1	2-10-04	**	**	**	**	**	1565	
5	5BJ62-1		**	**	**	**	**	1566	
6	5BA48-1		**	**	**	**	**	1567	
7	5BH58-2		**	**	**	**	**	1568	
8	5BG46-1		**	**	**	**	**	1569	
9	5BK58-1		**	**	**	**	**	1570	
10	5BK82-1		**	**	**	**	**	1571	
11	5BS120-1		**	**	**	**	**	1572	
12	5BN162-2		**	**	**	**	**	1573d	
13	5BN94-1		**	**	**	**	**	1574	
14			**	**	**	**	**		
15			**	**	**	**	**		

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1

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Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BT138-1
Lab ID: 0104W01603
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.8	s.u.			0.1	EPA 150.1	02/12/04	1620	RM
Lab Conductivity @ 25°C	832	µmhos/cm			5	SM 2510 B	02/12/04	1620	RM
Total Dissolved Solids @ 180°C	570	mg/L			10	SM 2540 C	02/12/04	1310	SV
Total Dissolved Solids(Calc)	500	mg/L			10	SM 1030 F.	02/17/04	0611	
Total Alkalinity as CaCO3	100	mg/L			1.0	SM 2320 B	02/12/04	1620	RM
Total Hardness as CaCO3	31.5	mg/L			1.0	SM 2340 B	02/13/04	0625	
Ammonia Nitrogen	0.3	mg/L			0.1	EPA 350.1	02/12/04	1651	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/13/04	0833	JF
Radium 226	46.9±5.7	pCi/L			0.2	SM 7500 Ra-B	02/23/04	1503	TP
Silica as SiO2	3.4	mg/L			0.1	EPA 200.7	02/13/04	0851	MH
Sodium Adsorption Ratio	11.7				N/A	Calculations	02/17/04	0611	
Anions									
Bicarbonate as HCO3	105	mg/L	1.72	meq/L	1.0	SM 2320 B	02/12/04	1620	RM
Carbonate as CO3	8.4	mg/L	0.28	meq/L	1.0	SM 2320 B	02/12/04	1620	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1620	RM
Chloride	5.6	mg/L	0.16	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/12/04	1620	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	01/16/04	1422	JF
Sulfate	259	mg/L	5.40	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	9.9	mg/L	0.49	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Magnesium	1.7	mg/L	0.14	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Potassium	12.6	mg/L	0.32	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Sodium	151	mg/L	6.57	meq/L	0.2	EPA 200.7	02/17/04	0611	MH
Cations			7.52	meq/L	N/A	SM 1030 F.	02/17/04	0611	
Anions			7.57	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			0.33	%	N/A	SM 1030 F.	02/17/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BT138-1
Lab ID: 0104W01603
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/13/04	0851	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Barium	<0.5	mg/L		0.5	EPA 200.8	02/13/04	0810	JB
Boron	0.05	mg/L		0.01	EPA 200.7	02/13/04	0851	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/13/04	0810	JB
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0851	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/13/04	0810	JB
Iron	<0.05	mg/L		0.05	EPA 200.7	02/13/04	0851	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Manganese	<0.02	mg/L		0.02	EPA 200.7	02/13/04	0851	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/18/04	0935	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0851	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Uranium	0.0158	mg/L		0.0001	EPA 200.8	02/13/04	0810	JB
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/13/04	0810	JB
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0851	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen A Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 5BT138-1
Lab ID: 0104W01603
Matrix: Water
Condition: Cool/Intact

Report Date: 02/24/04
Receipt Date: 02/11/04
Sample Date: 02/11/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
General Parameters					
Lab pH	8.8	8.9	1	0.1	s.u.
Lab Conductivity @ 25°C	832	833	0	5	µmhos/cm
Total Dissolved Solids @ 180°C	570	560	2	10	mg/L
Total Dissolved Solids(Calc)	500	500	0	10	mg/L
Total Alkalinity as CaCO3	100	100	0	1.0	mg/L
Total Hardness as CaCO3	31.5	31.5	0	1.0	mg/L
Ammonia Nitrogen	0.3	0.3	0.0**	0.1	mg/L
Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Silica as SiO2	3.4	3.4	0	0.1	mg/L
Sodium Adsorption Ratio	11.7	11.6	1		
Anions					
Bicarbonate as HCO3	105	103	2	1.0	mg/L
Carbonate as CO3.	8.4	9.6	13	1.0	mg/L
Hydroxide as OH	<1.0	<1.0	NC*	1.0	mg/L
Chloride	5.6	6.0	7	1.0	mg/L
Fluoride	0.2	0.2	0.0**	0.1	mg/L
Nitrate + Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Sulfate	259	263	2	1.0	mg/L
Cations					
Calcium	9.9	9.8	1	1.0	mg/L
Magnesium	1.7	1.7	0.0**	1.0	mg/L
Potassium	12.6	12.5	1	1.0	mg/L
Sodium	151	150	1	0.2	mg/L
Cations	7.52	7.47	1		meq/L
Anions	7.57	7.67	1		meq/L
Cation/Anion Balance	0.33	1.32			%

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit
These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 5BT138-1
Lab ID: 0104W01603
Matrix: Water
Condition: Cool/Intact

Report Date: 02/24/04
Receipt Date: 02/11/04
Sample Date: 02/11/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
Dissolved Metals					
Aluminum	<0.1	<0.1	NC*	0.1	mg/L
Arsenic	<0.005	<0.005	NC*	0.005	mg/L
Barium	<0.5	<0.5	NC*	0.5	mg/L
Boron	0.05	0.05	0	0.01	mg/L
Cadmium	<0.002	<0.002	NC*	0.002	mg/L
Chromium	<0.01	<0.01	NC*	0.01	mg/L
Copper	<0.01	<0.01	NC*	0.01	mg/L
Iron	<0.05	<0.05	NC*	0.05	mg/L
Lead	<0.02	<0.02	NC*	0.02	mg/L
Manganese	<0.02	<0.02	NC*	0.02	mg/L
Mercury	<0.001	<0.001	NC*	0.001	mg/L
Molybdenum	<0.02	<0.02	NC*	0.02	mg/L
Nickel	<0.01	<0.01	NC*	0.01	mg/L
Selenium	<0.005	<0.005	NC*	0.005	mg/L
Uranium	0.0158	0.0149	6	0.0001	mg/L
Vanadium	<0.1	<0.1	NC*	0.1	mg/L
Zinc	<0.01	<0.01	NC*	0.01	mg/L

*NC - Non-Calculable RPD due to value(s) less than DL
These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BS120-1
Lab ID: 0104W01572
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.5	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	511	µmhos/cm			5	SM 2510 B	02/11/04	1827	RM
Total Dissolved Solids @ 180°C	330	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	300	mg/L			10	SM 1030 F.	02/13/04	0737	
Total Alkalinity as CaCO3	230	mg/L			1.0	SM 2320 B	02/11/04	1827	RM
Total Hardness as CaCO3	35.5	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	02/12/04	1636	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	93.7±6.9	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	3.4	mg/L			0.1	EPA 200.7	02/12/04	0615	MH
Sodium Adsorption Ratio	7.2				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	264	mg/L	4.33	meq/L	1.0	SM 2320 B	02/11/04	1827	RM
Carbonate as CO3	7.8	mg/L	0.26	meq/L	1.0	SM 2320 B	02/11/04	1827	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1827	RM
Chloride	3.1	mg/L	0.09	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	0.3	mg/L	0.02	meq/L	0.1	SM 4500-F-C	02/11/04	1827	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1102	JF
Sulfate	41.6	mg/L	0.87	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	10.5	mg/L	0.52	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	2.3	mg/L	0.19	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	2.8	mg/L	0.07	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	99.0	mg/L	4.31	meq/L	0.2	EPA 200.7	02/17/04	0611	MH
Cations			5.09	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			5.57	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			4.50 AN	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested. AN - Analysis repeated with no significant changes.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BS120-1
Lab ID: 0104W01572
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0615	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	02/12/04	1253	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1253	MS
Boron	0.06	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1253	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1253	MS
Iron	0.07	mg/L		0.05	EPA 200.7	02/12/04	0615	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1253	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	02/12/04	0615	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1253	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Selenium	0.103	mg/L		0.005	EPA 200.8	02/12/04	1253	MS
Uranium	0.841	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	0.1	mg/L		0.1	EPA 200.8	02/12/04	1253	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BQ158-1
Lab ID: 0104W01606
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.4	s.u.			0.1	EPA 150.1	02/12/04	1708	RM
Lab Conductivity @ 25°C	854	µmhos/cm			5	SM 2510 B	02/12/04	1708	RM
Total Dissolved Solids @ 180°C	570	mg/L			10	SM 2540 C	02/12/04	1310	SV
Total Dissolved Solids(Calc)	500	mg/L			10	SM 1030 F.	02/17/04	0611	
Total Alkalinity as CaCO3	96.5	mg/L			1.0	SM 2320 B	02/12/04	1708	RM
Total Hardness as CaCO3	44.0	mg/L			1.0	SM 2340 B	02/13/04	0625	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	02/12/04	1655	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/13/04	0833	JF
Radium 226	59.4±6.4	pCi/L			0.2	SM 7500 Ra-B	02/23/04	1503	TP
Silica as SiO2	3.5	mg/L			0.1	EPA 200.7	02/13/04	0904	MH
Sodium Adsorption Ratio	10.0				N/A	Calculations	02/17/04	0611	
Anions									
Bicarbonate as HCO3	114	mg/L	1.87	meq/L	1.0	SM 2320 B	02/12/04	1708	RM
Carbonate as CO3	1.8	mg/L	0.06	meq/L	1.0	SM 2320 B	02/12/04	1708	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1708	RM
Chloride	5.4	mg/L	0.15	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/12/04	1708	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	01/16/04	1422	JF
Sulfate	264	mg/L	5.49	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	13.0	mg/L	0.65	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Magnesium	2.8	mg/L	0.23	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Potassium	3.4	mg/L	0.09	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Sodium	152	mg/L	6.61	meq/L	0.2	EPA 200.7	02/17/04	0611	MH
Cations			7.58	meq/L	N/A	SM 1030 F.	02/17/04	0611	
Anions			7.58	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			0.00	%	N/A	SM 1030 F.	02/17/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BQ158-1
Lab ID: 0104W01606
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/13/04	0904	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Barium	<0.5	mg/L		0.5	EPA 200.8	02/13/04	0810	JB
Boron	0.04	mg/L		0.01	EPA 200.7	02/13/04	0904	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/13/04	0810	JB
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0904	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/13/04	0810	JB
Iron	<0.05	mg/L		0.05	EPA 200.7	02/13/04	0904	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Manganese	<0.02	mg/L		0.02	EPA 200.7	02/13/04	0904	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/18/04	0935	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0904	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Uranium	0.0082	mg/L		0.0001	EPA 200.8	02/13/04	0810	JB
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/13/04	0810	JB
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0904	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen A Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BN162-2
Lab ID: 0104W01573
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.2	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	342	µmhos/cm			5	SM 2510 B	02/11/04	1839	RM
Total Dissolved Solids @ 180°C	220	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	210	mg/L			10	SM 1030 F.	02/13/04	0737	
Total Alkalinity as CaCO3	137	mg/L			1.0	SM 2320 B	02/11/04	1839	RM
Total Hardness as CaCO3	43.5	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	02/12/04	1637	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	56.9±6.4	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	1.8	mg/L			0.1	EPA 200.7	02/12/04	0615	MH
Sodium Adsorption Ratio	4.2				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	167	mg/L	2.73	meq/L	1.0	SM 2320 B	02/11/04	1839	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1839	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1839	RM
Chloride	2.8	mg/L	0.08	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1839	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1103	JF
Sulfate	38.9	mg/L	0.81	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	13.3	mg/L	0.66	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	2.5	mg/L	0.21	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	2.1	mg/L	0.05	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	63.9	mg/L	2.78	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			3.70	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			3.62	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			1.09	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BN162-2
Lab ID: 0104W01573
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0615	MH
Arsenic	0.007	mg/L		0.005	EPA 200.8	02/12/04	1255	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1255	MS
Boron	0.06	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1255	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1255	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0615	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1255	MS
Manganese	0.02	mg/L		0.02	EPA 200.7	02/12/04	0615	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1255	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Selenium	0.108	mg/L		0.005	EPA 200.8	02/12/04	1255	MS
Uranium	0.440	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	0.2	mg/L		0.1	EPA 200.8	02/12/04	1255	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 5BN162-2
Lab ID: 0104W01573
Matrix: Water
Condition: Cool/Intact

Report Date: 02/24/04
Receipt Date: 02/10/04
Sample Date: 02/10/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
General Parameters					
Lab pH	8.2	8.2	0	0.1	s.u.
Lab Conductivity @ 25°C	342	341	0	5	µmhos/cm
Total Dissolved Solids @ 180°C	220	220	0	10	mg/L
Total Dissolved Solids(Calc)	210	210	0	10	mg/L
Total Alkalinity as CaCO3	137	137	0	1.0	mg/L
Total Hardness as CaCO3	43.5	43.0	1	1.0	mg/L
Ammonia Nitrogen	0.2	0.2	0.0**	0.1	mg/L
Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Silica as SiO2	1.8	1.8	0	0.1	mg/L
Sodium Adsorption Ratio	4.2	4.2	0		
Anions					
Bicarbonate as HCO3	167	167	0	1.0	mg/L
Carbonate as CO3	<1.0	<1.0	NC*	1.0	mg/L
Hydroxide as OH	<1.0	<1.0	NC*	1.0	mg/L
Chloride	2.8	2.6	0.2**	1.0	mg/L
Fluoride	<0.1	<0.1	NC*	0.1	mg/L
Nitrate + Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Sulfate	38.9	39.7	2	1.0	mg/L
Cations					
Calcium	13.3	13.2	1	1.0	mg/L
Magnesium	2.5	2.4	0.1**	1.0	mg/L
Potassium	2.1	2.1	0.0**	1.0	mg/L
Sodium	63.9	63.9	0	0.2	mg/L
Cations	3.70	3.69	0		meq/L
Anions	3.62	3.64	1		meq/L
Cation/Anion Balance	1.09	0.68			%

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit
These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 5BN162-2
Lab ID: 0104W01573
Matrix: Water
Condition: Cool/Intact

Report Date: 02/24/04
Receipt Date: 02/10/04
Sample Date: 02/10/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
Dissolved Metals					
Aluminum	<0.1	<0.1	NC*	0.1	mg/L
Arsenic	0.007	0.007	0.000**	0.005	mg/L
Barium	<0.5	<0.5	NC*	0.5	mg/L
Boron	0.06	0.06	0	0.01	mg/L
Cadmium	<0.002	<0.002	NC*	0.002	mg/L
Chromium	<0.01	<0.01	NC*	0.01	mg/L
Copper	<0.01	<0.01	NC*	0.01	mg/L
Iron	<0.05	<0.05	NC*	0.05	mg/L
Lead	<0.02	<0.02	NC*	0.02	mg/L
Manganese	0.02	0.02	0.00**	0.02	mg/L
Mercury	<0.001	<0.001	NC*	0.001	mg/L
Molybdenum	<0.02	<0.02	NC*	0.02	mg/L
Nickel	<0.01	<0.01	NC*	0.01	mg/L
Selenium	0.108	0.092	16	0.005	mg/L
Uranium	0.440	0.369	18	0.0001	mg/L
Vanadium	0.2	0.2	0.0**	0.1	mg/L
Zinc	<0.01	<0.01	NC*	0.01	mg/L

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit
These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BN94-1
Lab ID: 0104W01574
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.9	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	527	µmhos/cm			5	SM 2510 B	02/11/04	1901	RM
Total Dissolved Solids @ 180°C	340	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	310	mg/L			10	SM 1030 F.	02/13/04	0737	
Total Alkalinity as CaCO3	114	mg/L			1.0	SM 2320 B	02/11/04	1901	RM
Total Hardness as CaCO3	33.5	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	02/12/04	1639	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	14.3±3.1	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	2.4	mg/L			0.1	EPA 200.7	02/12/04	0615	MH
Sodium Adsorption Ratio	7.2				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	118	mg/L	1.93	meq/L	1.0	SM 2320 B	02/11/04	1901	RM
Carbonate as CO3	10.2	mg/L	0.34	meq/L	1.0	SM 2320 B	02/11/04	1901	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1901	RM
Chloride	5.2	mg/L	0.15	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	0.3	mg/L	0.02	meq/L	0.1	SM 4500-F-C	02/11/04	1901	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1105	JF
Sulfate	122	mg/L	2.54	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	10.6	mg/L	0.53	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	1.7	mg/L	0.14	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	2.2	mg/L	0.06	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	95.8	mg/L	4.17	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			4.90	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			4.98	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			0.81	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen A Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BN94-1
Lab ID: 0104W01574
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0615	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	02/12/04	1336	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1336	MS
Boron	0.04	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1336	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1336	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0615	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1336	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	02/12/04	0615	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1336	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Selenium	0.675	mg/L		0.005	EPA 200.8	02/12/04	1336	MS
Uranium	0.321	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	0.1	mg/L		0.1	EPA 200.8	02/12/04	1336	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen A Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BL76-1
Lab ID: 0104W01604
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.9	s.u.			0.1	EPA 150.1	02/12/04	1645	RM
Lab Conductivity @ 25°C	1,860	µmhos/cm			5	SM 2510 B	02/12/04	1645	RM
Total Dissolved Solids @ 180°C	1,360	mg/L			10	SM 2540 C	02/12/04	1310	SV
Total Dissolved Solids(Calc)	1,220	mg/L			10	SM 1030 F.	02/13/04	0737	
Total Alkalinity as CaCO3	696	mg/L			1.0	SM 2320 B	02/12/04	1645	RM
Total Hardness as CaCO3	287	mg/L			1.0	SM 2340 B	02/13/04	0625	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	02/12/04	1653	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/13/04	0833	JF
Radium 226	378±15.7	pCi/L			0.2	SM 7500 Ra-B	02/23/04	1503	TP
Silica as SiO2	4.0	mg/L			0.1	EPA 200.7	02/13/04	0857	MH
Sodium Adsorption Ratio	8.7				N/A	Calculations	02/13/04	0625	
Anions									
Bicarbonate as HCO3	849	mg/L	13.92	meq/L	1.0	SM 2320 B	02/12/04	1645	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1645	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1645	RM
Chloride	27.1	mg/L	0.76	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	02/12/04	1645	RM
Nitrate + Nitrite as N	0.3	mg/L	0.02	meq/L	0.1	EPA 353.2	01/16/04	1422	JF
Sulfate	321	mg/L	6.68	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	90.3	mg/L	4.51	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Magnesium	15.0	mg/L	1.23	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Potassium	6.9	mg/L	0.18	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Sodium	339	mg/L	14.75	meq/L	0.2	EPA 200.7	02/13/04	0625	MH
Cations			20.67	meq/L	N/A	SM 1030 F.	02/13/04	0625	
Anions			21.38	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			1.69	%	N/A	SM 1030 F.	02/13/04	0625	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BL76-1
Lab ID: 0104W01604
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	0.2	mg/L		0.1	EPA 200.7	02/13/04	0857	MH
Arsenic	0.052	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Barium	<0.5	mg/L		0.5	EPA 200.8	02/13/04	0810	JB
Boron	0.07	mg/L		0.01	EPA 200.7	02/13/04	0857	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/13/04	0810	JB
Chromium	0.02	mg/L		0.01	EPA 200.7	02/13/04	0857	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/13/04	0810	JB
Iron	<0.05	mg/L		0.05	EPA 200.7	02/13/04	0857	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Manganese	0.35	mg/L		0.02	EPA 200.7	02/13/04	0857	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/18/04	0935	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0857	MH
Selenium	1.06	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Uranium	20.7	mg/L		0.0001	EPA 200.8	02/13/04	0810	JB
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/13/04	0810	JB
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0857	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BL66-1
Lab ID: 0104W01602
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.5	s.u.			0.1	EPA 150.1	02/12/04	1609	RM
Lab Conductivity @ 25°C	2,210	µmhos/cm			5	SM 2510 B	02/12/04	1609	RM
Total Dissolved Solids @ 180°C	1,610	mg/L			10	SM 2540 C	02/12/04	1310	SV
Total Dissolved Solids(Calc)	1,490	mg/L			10	SM 1030 F.	02/13/04	0737	
Total Alkalinity as CaCO3	864	mg/L			1.0	SM 2320 B	02/12/04	1609	RM
Total Hardness as CaCO3	408	mg/L			1.0	SM 2340 B	02/13/04	0625	
Ammonia Nitrogen	0.5	mg/L			0.1	EPA 350.1	02/12/04	1650	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/13/04	0833	JF
Radium 226	344±15.1	pCi/L			0.2	SM 7500 Ra-B	02/23/04	1503	TP
Silica as SiO2	4.8	mg/L			0.1	EPA 200.7	02/13/04	0848	MH
Sodium Adsorption Ratio	8.9				N/A	Calculations	02/13/04	0625	
Anions									
Bicarbonate as HCO3	1,050	mg/L	17.27	meq/L	1.0	SM 2320 B	02/12/04	1609	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1609	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1609	RM
Chloride	34.4	mg/L	0.97	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	02/12/04	1609	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	01/16/04	1422	JF
Sulfate	372	mg/L	7.75	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	120	mg/L	5.99	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Magnesium	26.3	mg/L	2.16	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Potassium	8.6	mg/L	0.22	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Sodium	414	mg/L	18.01	meq/L	0.2	EPA 200.7	02/13/04	0625	MH
Cations			26.38	meq/L	N/A	SM 1030 F.	02/13/04	0625	
Anions			25.99	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			0.74	%	N/A	SM 1030 F.	02/13/04	0625	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BL66-1
Lab ID: 0104W01602
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/13/04	0848	MH
Arsenic	0.015	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Barium	<0.5	mg/L		0.5	EPA 200.8	02/13/04	0810	JB
Boron	0.09	mg/L		0.01	EPA 200.7	02/13/04	0848	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/13/04	0810	JB
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0848	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/13/04	0810	JB
Iron	1.53	mg/L		0.05	EPA 200.7	02/13/04	0848	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Manganese	0.33	mg/L		0.02	EPA 200.7	02/13/04	0848	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/18/04	0935	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0848	MH
Selenium	0.023	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Uranium	6.21	mg/L		0.0001	EPA 200.8	02/13/04	0810	JB
Vanadium	0.1	mg/L		0.1	EPA 200.8	02/13/04	0810	JB
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0848	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals In Environmental Samples-Supplement I", May 1994

Reviewed By: Karen A Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: COGEMA Mining,Inc.
P.O. Box 730
Mills, WY 82644

Project: Christensen
Sample ID: 5BK82-1
Lab ID: 0104W01571
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.0	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	717	µmhos/cm			5	SM 2510 B	02/11/04	1816	RM
Total Dissolved Solids @ 180°C	460	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	430	mg/L			10	SM 1030 F.	02/13/04	0737	
Total Alkalinity as CaCO3	306	mg/L			1.0	SM 2320 B	02/11/04	1816	RM
Total Hardness as CaCO3	90.5	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	02/12/04	1635	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	81.7±6.4	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	3.4	mg/L			0.1	EPA 200.7	02/12/04	0615	MH
Sodium Adsorption Ratio	6.2				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	373	mg/L	6.11	meq/L	1.0	SM 2320 B	02/11/04	1816	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1816	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1816	RM
Chloride	6.6	mg/L	0.19	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1816	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1101	JF
Sulfate	71.7	mg/L	1.49	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	26.7	mg/L	1.33	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	5.8	mg/L	0.48	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	2.8	mg/L	0.07	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	136	mg/L	5.92	meq/L	0.2	EPA 200.7	02/17/04	0611	MH
Cations			7.80	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			7.80	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			0.00	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BK82-1
Lab ID: 0104W01571
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0615	MH
Arsenic	0.014	mg/L		0.005	EPA 200.8	02/12/04	1248	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1248	MS
Boron	0.06	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1248	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1248	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0615	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1248	MS
Manganese	0.05	mg/L		0.02	EPA 200.7	02/12/04	0615	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1248	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Selenium	0.284	mg/L		0.005	EPA 200.8	02/12/04	1248	MS
Uranium	1.39	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	0.3	mg/L		0.1	EPA 200.8	02/12/04	1248	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BK58-1
Lab ID: 0104W01570
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.7	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	1,340	µmhos/cm			5	SM 2510 B	02/11/04	1804	RM
Total Dissolved Solids @ 180°C	910	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	830	mg/L			10	SM 1030 F.	02/13/04	0737	
Total Alkalinity as CaCO3	396	mg/L			1.0	SM 2320 B	02/11/04	1804	RM
Total Hardness as CaCO3	166	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	02/12/04	1634	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	1130±23.3	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	3.8	mg/L			0.1	EPA 200.7	02/12/04	0615	MH
Sodium Adsorption Ratio	8.1				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	483	mg/L	7.92	meq/L	1.0	SM 2320 B	02/11/04	1804	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1804	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1804	RM
Chloride	19.7	mg/L	0.56	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1804	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1053	JF
Sulfate	267	mg/L	5.55	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	49.2	mg/L	2.46	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	10.5	mg/L	0.86	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	5.1	mg/L	0.13	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	241	mg/L	10.48	meq/L	0.2	EPA 200.7	02/17/04	0611	MH
Cations			13.93	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			14.03	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			0.36	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BK58-1
Lab ID: 0104W01570
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0615	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	02/12/04	1237	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1237	MS
Boron	0.08	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1237	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1237	MS
Iron	0.20	mg/L		0.05	EPA 200.7	02/12/04	0615	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1237	MS
Manganese	0.13	mg/L		0.02	EPA 200.7	02/12/04	0615	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1237	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Selenium	0.152	mg/L		0.005	EPA 200.8	02/12/04	1237	MS
Uranium	4.23	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/12/04	1237	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BJ62-1
Lab ID: 0104W01566
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.1	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	520	µmhos/cm			5	SM 2510 B	02/11/04	1718	RM
Total Dissolved Solids @ 180°C	340	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	330	mg/L			10	SM 1030 F.	02/13/04	0005	
Total Alkalinity as CaCO3	212	mg/L			1.0	SM 2320 B	02/11/04	1718	RM
Total Hardness as CaCO3	71.0	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	02/12/04	1624	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	72.6±6.3	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	2.4	mg/L			0.1	EPA 200.7	02/12/04	0725	MH
Sodium Adsorption Ratio	5.2				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	259	mg/L	4.24	meq/L	1.0	SM 2320 B	02/11/04	1718	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1718	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1718	RM
Chloride	4.8	mg/L	0.14	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1718	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1049	JF
Sulfate	68.0	mg/L	1.42	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Cations									
Calcium	22.0	mg/L	1.10	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	3.9	mg/L	0.32	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	2.3	mg/L	0.06	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	100	mg/L	4.35	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			5.83	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			5.81	meq/L	N/A	SM 1030 F.	02/13/04	0005	
Cation/Anion Balance			0.17	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BJ62-1
Lab ID: 0104W01566
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0725	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	02/12/04	1227	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1227	MS
Boron	0.05	mg/L		0.01	EPA 200.7	02/12/04	0725	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1227	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0725	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1227	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0725	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1227	MS
Manganese	0.05	mg/L		0.02	EPA 200.7	02/12/04	0725	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1227	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0725	MH
Selenium	0.037	mg/L		0.005	EPA 200.8	02/12/04	1227	MS
Uranium	1.45	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/12/04	1227	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0725	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals In Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BJ54-1
Lab ID: 0104W01605
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.4	s.u.			0.1	EPA 150.1	02/12/04	1657	RM
Lab Conductivity @ 25°C	1,120	µmhos/cm			5	SM 2510 B	02/12/04	1657	RM
Total Dissolved Solids @ 180°C	760	mg/L			10	SM 2540 C	02/12/04	1310	SV
Total Dissolved Solids(Calc)	680	mg/L			10	SM 1030 F.	02/17/04	0611	
Total Alkalinity as CaCO3	310	mg/L			1.0	SM 2320 B	02/12/04	1657	RM
Total Hardness as CaCO3	172	mg/L			1.0	SM 2340 B	02/13/04	0625	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	02/12/04	1654	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/13/04	0833	JF
Radium 226	456±17.1	pCi/L			0.2	SM 7500 Ra-B	02/23/04	1503	TP
Silica as SiO2	3.6	mg/L			0.1	EPA 200.7	02/13/04	0901	MH
Sodium Adsorption Ratio	5.9				N/A	Calculations	02/17/04	0611	
Anions									
Bicarbonate as HCO3	378	mg/L	6.19	meq/L	1.0	SM 2320 B	02/12/04	1657	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1657	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1657	RM
Chloride	14.5	mg/L	0.41	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	02/12/04	1657	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	01/16/04	1422	JF
Sulfate	234	mg/L	4.87	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	51.6	mg/L	2.57	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Magnesium	10.6	mg/L	0.87	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Potassium	4.7	mg/L	0.12	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Sodium	178	mg/L	7.74	meq/L	0.2	EPA 200.7	02/17/04	0611	MH
Cations			11.30	meq/L	N/A	SM 1030 F.	02/17/04	0611	
Anions			11.47	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation/Anion Balance			0.75	%	N/A	SM 1030 F.	02/17/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401602

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BJ54-1
Lab ID: 0104W01605
Matrix: Water
Condition: Cool/Intact

Date Received: 02/11/04
Date Reported: 02/24/04
Date Sampled: 02/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/13/04	0901	MH
Arsenic	0.016	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Barium	<0.5	mg/L		0.5	EPA 200.8	02/13/04	0810	JB
Boron	0.06	mg/L		0.01	EPA 200.7	02/13/04	0901	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/13/04	0810	JB
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0901	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/13/04	0810	JB
Iron	0.17	mg/L		0.05	EPA 200.7	02/13/04	0901	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Manganese	0.15	mg/L		0.02	EPA 200.7	02/13/04	0901	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/18/04	0935	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0901	MH
Selenium	0.208	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Uranium	1.60	mg/L		0.0001	EPA 200.8	02/13/04	0810	JB
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/13/04	0810	JB
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/13/04	0901	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BH58-2
Lab ID: 0104W01568
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.5	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	496	µmhos/cm			5	SM 2510 B	02/11/04	1740	RM
Total Dissolved Solids @ 180°C	320	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	300	mg/L			10	SM 1030 F.	02/13/04	0005	
Total Alkalinity as CaCO3	229	mg/L			1.0	SM 2320 B	02/11/04	1740	RM
Total Hardness as CaCO3	39.5	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	0.4	mg/L			0.1	EPA 350.1	02/12/04	1626	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	455±15.5	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	2.8	mg/L			0.1	EPA 200.7	02/12/04	0615	MH
Sodium Adsorption Ratio	6.8				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	261	mg/L	4.28	meq/L	1.0	SM 2320 B	02/11/04	1740	RM
Carbonate as CO3	9.0	mg/L	0.30	meq/L	1.0	SM 2320 B	02/11/04	1740	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1740	RM
Chloride	3.3	mg/L	0.09	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1740	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1051	JF
Sulfate	42.7	mg/L	0.89	meq/L	1.0	EPA 300.0	02/17/04	0005	LK
Cations									
Calcium	12.3	mg/L	0.61	meq/L	1.0	EPA 200.7	02/17/04	0611	MH
Magnesium	2.2	mg/L	0.18	meq/L	1.0	EPA 200.7	02/17/04	0611	MH
Potassium	2.2	mg/L	0.06	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	97.8	mg/L	4.25	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			5.10	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			5.57	meq/L	N/A	SM 1030 F.	02/13/04	0005	
Cation/Anion Balance			4.40 AN	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested. AN - Analysis repeated with no significant changes.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BH58-2
Lab ID: 0104W01568
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0615	MH
Arsenic	0.027	mg/L		0.005	EPA 200.8	02/12/04	1333	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1333	MS
Boron	0.04	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1333	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1333	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0615	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1333	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	02/12/04	0615	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1333	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Selenium	0.123	mg/L		0.005	EPA 200.8	02/12/04	1333	MS
Uranium	1.29	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	0.1	mg/L		0.1	EPA 200.8	02/12/04	1333	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BG46-1
Lab ID: 0104W01569
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.1	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	368	µmhos/cm			5	SM 2510 B	02/11/04	1752	RM
Total Dissolved Solids @ 180°C	240	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	230	mg/L			10	SM 1030 F.	02/13/04	0005	
Total Alkalinity as CaCO3	149	mg/L			1.0	SM 2320 B	02/11/04	1752	RM
Total Hardness as CaCO3	35.5	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	02/12/04	1627	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	197±9.7	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	2.5	mg/L			0.1	EPA 200.7	02/12/04	0615	MH
Sodium Adsorption Ratio	5.5				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	182	mg/L	2.98	meq/L	1.0	SM 2320 B	02/11/04	1752	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1752	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1752	RM
Chloride	3.6	mg/L	0.10	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1752	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1052	JF
Sulfate	49.3	mg/L	1.03	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Cations									
Calcium	10.6	mg/L	0.53	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	2.2	mg/L	0.18	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	1.8	mg/L	0.05	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	75.0	mg/L	3.26	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			4.02	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			4.12	meq/L	N/A	SM 1030 F.	02/13/04	0005	
Cation/Anion Balance			1.23	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BG46-1
Lab ID: 0104W01569
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0615	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	02/12/04	1234	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1234	MS
Boron	0.06	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1234	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1234	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0615	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1234	MS
Manganese	0.02	mg/L		0.02	EPA 200.7	02/12/04	0615	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1234	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Selenium	0.078	mg/L		0.005	EPA 200.8	02/12/04	1234	MS
Uranium	0.732	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/12/04	1234	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BD50-1
Lab ID: 0104W01565
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.0	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	468	µmhos/cm			5	SM 2510 B	02/11/04	1706	RM
Total Dissolved Solids @ 180°C	300	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	300	mg/L			10	SM 1030 F.	02/13/04	0005	
Total Alkalinity as CaCO3	181	mg/L			1.0	SM 2320 B	02/11/04	1706	RM
Total Hardness as CaCO3	37.0	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	02/12/04	1623	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	89.9±7.1	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	2.4	mg/L			0.1	EPA 200.7	02/12/04	0722	MH
Sodium Adsorption Ratio	7.2				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	220	mg/L	3.61	meq/L	1.0	SM 2320 B	02/11/04	1706	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1706	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1706	RM
Chloride	4.9	mg/L	0.14	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1706	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1048	JF
Sulfate	65.2	mg/L	1.36	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Cations									
Calcium	11.3	mg/L	0.56	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	2.2	mg/L	0.18	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	2.2	mg/L	0.06	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	101	mg/L	4.39	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			5.19	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			5.12	meq/L	N/A	SM 1030 F.	02/13/04	0005	
Cation/Anion Balance			0.68	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances In Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BD50-1
Lab ID: 0104W01565
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0722	MH
Arsenic	0.023	mg/L		0.005	EPA 200.8	02/12/04	1338	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1338	MS
Boron	0.04	mg/L		0.01	EPA 200.7	02/12/04	0722	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1338	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0722	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1338	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0722	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1338	MS
Manganese	0.02	mg/L		0.02	EPA 200.7	02/12/04	0722	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1338	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0722	MH
Selenium	1.16	mg/L		0.005	EPA 200.8	02/12/04	1338	MS
Uranium	3.29	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	0.3	mg/L		0.1	EPA 200.8	02/12/04	1338	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0722	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: TW0001
Lab ID: 0104W01562
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.0	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	412	µmhos/cm			5	SM 2510 B	02/11/04	1617	RM
Total Dissolved Solids @ 180°C	270	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	260	mg/L			10	SM 1030 F.	02/13/04	0005	
Total Alkalinity as CaCO3	142	mg/L			1.0	SM 2320 B	02/11/04	1617	RM
Total Hardness as CaCO3	34.0	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	0.3	mg/L			0.1	EPA 350.1	02/12/04	1619	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	89.6±6.7	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	3.9	mg/L			0.1	EPA 200.7	02/12/04	0710	MH
Sodium Adsorption Ratio	6.4				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	173	mg/L	2.84	meq/L	1.0	SM 2320 B	02/11/04	1617	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1617	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1617	RM
Chloride	4.2	mg/L	0.12	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1617	RM
Nitrate + Nitrite as N	<0.1	mg/L	0.01	meq/L	0.1	EPA 353.2	02/12/04	1043	JF
Sulfate	68.6	mg/L	1.43	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Cations									
Calcium	10.2	mg/L	0.51	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	2.1	mg/L	0.17	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	1.9	mg/L	0.05	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	85.1	mg/L	3.70	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			4.43	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			4.40	meq/L	N/A	SM 1030 F.	02/13/04	0005	
Cation/Anion Balance			0.34	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: TW0001
Lab ID: 0104W01562
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0710	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	02/12/04	1213	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1213	MS
Boron	0.07	mg/L		0.01	EPA 200.7	02/12/04	0710	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1213	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0710	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1213	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0710	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1213	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	02/12/04	0710	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1213	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0710	MH
Selenium	0.331	mg/L		0.005	EPA 200.8	02/12/04	1213	MS
Uranium	0.196	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	0.1	mg/L		0.1	EPA 200.8	02/12/04	1213	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0710	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals In Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: MW07
Lab ID: 0104W01563
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.8	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	1,360	µmhos/cm			5	SM 2510 B	02/11/04	1630	RM
Total Dissolved Solids @ 180°C	930	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	890	mg/L			10	SM 1030 F.	02/13/04	0005	
Total Alkalinity as CaCO3	478	mg/L			1.0	SM 2320 B	02/11/04	1630	RM
Total Hardness as CaCO3	210	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	02/12/04	1620	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	352±13.5	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	3.7	mg/L			0.1	EPA 200.7	02/12/04	0713	MH
Sodium Adsorption Ratio	7.7				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	583	mg/L	9.55	meq/L	1.0	SM 2320 B	02/11/04	1630	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1630	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1630	RM
Chloride	22.5	mg/L	0.63	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1630	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1045	JF
Sulfate	246	mg/L	5.11	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Cations									
Calcium	62.3	mg/L	3.11	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	13.3	mg/L	1.09	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	5.5	mg/L	0.14	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	256	mg/L	11.14	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			15.48	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			15.29	meq/L	N/A	SM 1030 F.	02/13/04	0005	
Cation/Anion Balance			0.62	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: MW07
Lab ID: 0104W01563
Matrix: Water
Condition: Cool/Intact

Report Date: 02/24/04
Receipt Date: 02/10/04
Sample Date: 02/09/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
Dissolved Metals					
Aluminum	<0.1	<0.1	NC*	0.1	mg/L
Arsenic	0.022	0.022	0.000**	0.005	mg/L
Barium	<0.5	<0.5	NC*	0.5	mg/L
Boron	0.06	0.06	0	0.01	mg/L
Cadmium	<0.002	<0.002	NC*	0.002	mg/L
Chromium	<0.01	<0.01	NC*	0.01	mg/L
Copper	<0.01	<0.01	NC*	0.01	mg/L
Iron	0.16	0.17	0.01**	0.05	mg/L
Lead	<0.02	<0.02	NC*	0.02	mg/L
Manganese	0.44	0.44	0	0.02	mg/L
Mercury	<0.001	<0.001	NC*	0.001	mg/L
Molybdenum	<0.02	<0.02	NC*	0.02	mg/L
Nickel	<0.01	<0.01	NC*	0.01	mg/L
Selenium	3.76	3.80	1	0.005	mg/L
Uranium	2.85	2.94	3	0.0001	mg/L
Vanadium	<0.1	<0.1	NC*	0.1	mg/L
Zinc	<0.01	<0.01	NC*	0.01	mg/L

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit
These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: MW07
Lab ID: 0104W01563
Matrix: Water
Condition: Cool/Intact

Report Date: 02/24/04
Receipt Date: 02/10/04
Sample Date: 02/09/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
General Parameters					
Lab pH	7.8	7.8	0	0.1	s.u.
Lab Conductivity @ 25°C	1,360	1,380	-1	5	µmhos/cm
Total Dissolved Solids @ 180°C	930	920	1	10	mg/L
Total Dissolved Solids(Calc)	890	880	1	10	mg/L
Total Alkalinity as CaCO3	478	480	0	1.0	mg/L
Total Hardness as CaCO3	210	207	1	1.0	mg/L
Ammonia Nitrogen	0.1	0.1	0.0**	0.1	mg/L
Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Silica as SiO2	3.7	3.7	0	0.1	mg/L
Sodium Adsorption Ratio	7.7	7.7	0		
Anions					
Bicarbonate as HCO3	583	586	1	1.0	mg/L
Carbonate as CO3	<1.0	<1.0	NC*	1.0	mg/L
Hydroxide as OH	<1.0	<1.0	NC*	1.0	mg/L
Chloride	22.5	22.0	2	1.0	mg/L
Fluoride	<0.1	<0.1	NC*	0.1	mg/L
Nitrate + Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Sulfate	246	238	3	1.0	mg/L
Cations					
Calcium	62.3	61.4	1	1.0	mg/L
Magnesium	13.3	13.1	2	1.0	mg/L
Potassium	5.5	5.5	0	1.0	mg/L
Sodium	256	254	1	0.2	mg/L
Cations	15.48	15.33	1		meq/L
Anions	15.29	15.17	1		meq/L
Cation/Anion Balance	0.62	0.52			%

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit
These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.

Reviewed By: Karen Barten
Karen Barten, Project Manager

1633 Terra Avenue
Sheridan, WY 82801

WATER QUALITY REPORT

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/09/04

Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
<0.1	mg/L		0.1	EPA 200.7	02/12/04	0713	MH
0.022	mg/L		0.005	EPA 200.8	02/12/04	1216	MS
<0.5	mg/L		0.5	EPA 200.8	02/12/04	1216	MS
0.06	mg/L		0.01	EPA 200.7	02/12/04	0713	MH
<0.002	mg/L		0.002	EPA 200.8	02/12/04	1216	MS
<0.01	mg/L		0.01	EPA 200.7	02/12/04	0713	MH
<0.01	mg/L		0.01	EPA 200.8	02/12/04	1216	MS
0.16	mg/L		0.05	EPA 200.7	02/12/04	0713	MH
<0.02	mg/L		0.02	EPA 200.8	02/12/04	1216	MS
0.44	mg/L		0.02	EPA 200.7	02/12/04	0713	MH
<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
<0.02	mg/L		0.02	EPA 200.8	02/12/04	1216	MS
<0.01	mg/L		0.01	EPA 200.7	02/12/04	0713	MH
3.76	mg/L		0.005	EPA 200.8	02/12/04	1216	MS
2.85	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
<0.1	mg/L		0.1	EPA 200.8	02/12/04	1216	MS
<0.01	mg/L		0.01	EPA 200.7	02/12/04	0713	MH

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the Determination of Metals in Environmental Samples-Supplement I", May 1994

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Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BA48-1
Lab ID: 0104W01567
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.4	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	259	µmhos/cm			5	SM 2510 B	02/11/04	1729	RM
Total Dissolved Solids @ 180°C	170	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	160	mg/L			10	SM 1030 F.	02/13/04	0005	
Total Alkalinity as CaCO3	118	mg/L			1.0	SM 2320 B	02/11/04	1729	RM
Total Hardness as CaCO3	19.0	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	02/12/04	1625	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	53.7±5.6	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	1.7	mg/L			0.1	EPA 200.7	02/12/04	0615	MH
Sodium Adsorption Ratio	5.5				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	139	mg/L	2.27	meq/L	1.0	SM 2320 B	02/11/04	1729	RM
Carbonate as CO3	2.4	mg/L	0.08	meq/L	1.0	SM 2320 B	02/11/04	1729	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1729	RM
Chloride	2.0	mg/L	0.06	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1729	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1050	JF
Sulfate	21.0	mg/L	0.44	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Cations									
Calcium	5.9	mg/L	0.29	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	1.1	mg/L	0.09	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	1.4	mg/L	0.04	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	54.8	mg/L	2.38	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			2.80	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			2.86	meq/L	N/A	SM 1030 F.	02/13/04	0005	
Cation/Anion Balance			1.06	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BA48-1
Lab ID: 0104W01567
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0615	MH
Arsenic	0.006	mg/L		0.005	EPA 200.8	02/12/04	1229	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1229	MS
Boron	0.04	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1229	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1229	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0615	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1229	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	02/12/04	0615	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1229	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH
Selenium	0.130	mg/L		0.005	EPA 200.8	02/12/04	1229	MS
Uranium	0.514	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/12/04	1229	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0615	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: COGEMA Mining,Inc.
P.O. Box 730
Mills, WY 82644

Project: Christensen
Sample ID: MW-03
Lab ID: 0104W01502
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.1	s.u.			0.1	EPA 150.1	02/10/04	1723	RM
Lab Conductivity @ 25°C	420	µmhos/cm			5	SM 2510 B	02/10/04	1723	RM
Total Dissolved Solids @ 180°C	270	mg/L			10	SM 2540 C	02/10/04	1500	SV
Total Dissolved Solids(Calc)	260	mg/L			10	SM 1030 F.	02/12/04	1025	
Total Alkalinity as CaCO3	159	mg/L			1.0	SM 2320 B	02/10/04	1723	RM
Total Hardness as CaCO3	28.0	mg/L			1.0	SM 2340 B	02/11/04	0611	
Ammonia Nitrogen	0.3	mg/L			0.1	EPA 350.1	02/12/04	1604	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/10/04	1543	JF
Radium 226	68.6±6.0	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1242	TP
Silica as SiO2	2.1	mg/L			0.1	EPA 200.7	02/11/04	0833	MH
Sodium Adsorption Ratio	7.5				N/A	Calculations	02/11/04	0611	
Anions									
Bicarbonate as HCO3	194	mg/L	3.18	meq/L	1.0	SM 2320 B	02/10/04	1723	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1723	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1723	RM
Chloride	2.7	mg/L	0.08	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/10/04	1723	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1025	JF
Sulfate	58.5	mg/L	1.22	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Cations									
Calcium	8.9	mg/L	0.44	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Magnesium	1.5	mg/L	0.12	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Potassium	1.9	mg/L	0.05	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Sodium	90.5	mg/L	3.94	meq/L	0.2	EPA 200.7	02/11/04	0611	MH
Cations			4.55	meq/L	N/A	SM 1030 F.	02/11/04	0611	
Anions			4.49	meq/L	N/A	SM 1030 F.	02/12/04	1025	
Cation/Anion Balance			0.66	%	N/A	SM 1030 F.	02/11/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen A Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: MW-03
Lab ID: 0104W01502
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/11/04	0842	MH
Arsenic	0.010	mg/L		0.005	EPA 200.8	02/11/04	1252	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/11/04	1300	MS
Boron	0.06	mg/L		0.01	EPA 200.7	02/11/04	0842	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/11/04	1300	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0842	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/11/04	1300	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/11/04	0842	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1300	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	02/11/04	0842	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1300	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0842	MH
Selenium	2.18	mg/L		0.005	EPA 200.8	02/11/04	1300	MS
Uranium	1.68	mg/L		0.0001	EPA 200.8	02/11/04	1300	MS
Vanadium	0.2	mg/L		0.1	EPA 200.8	02/11/04	1300	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0842	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: COGEMA Mining,Inc.
P.O. Box 730
Mills, WY 82644

Project: Christensen
Sample ID: 5AP54-1
Lab ID: 0104W01503
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.0	s.u.			0.1	EPA 150.1	02/10/04	1737	RM
Lab Conductivity @ 25°C	1,220	µmhos/cm			5	SM 2510 B	02/10/04	1737	RM
Total Dissolved Solids @ 180°C	830	mg/L			10	SM 2540 C	02/10/04	1500	SV
Total Dissolved Solids(Calc)	770	mg/L			10	SM 1030 F.	02/12/04	1025	
Total Alkalinity as CaCO3	419	mg/L			1.0	SM 2320 B	02/10/04	1737	RM
Total Hardness as CaCO3	218	mg/L			1.0	SM 2340 B	02/11/04	0611	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	02/12/04	1604	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/10/04	1543	JF
Radium 226	435±15.4	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1242	TP
Silica as SiO2	3.2	mg/L			0.1	EPA 200.7	02/11/04	0833	MH
Sodium Adsorption Ratio	6.1				N/A	Calculations	02/11/04	0611	
Anions									
Bicarbonate as HCO3	511	mg/L	8.37	meq/L	1.0	SM 2320 B	02/10/04	1737	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1737	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1737	RM
Chloride	33.3	mg/L	0.94	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	02/10/04	1737	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1025	JF
Sulfate	198	mg/L	4.13	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Cations									
Calcium	67.3	mg/L	3.36	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Magnesium	12.2	mg/L	1.00	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Potassium	5.3	mg/L	0.14	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Sodium	207	mg/L	9.00	meq/L	0.2	EPA 200.7	02/13/04	0625	MH
Cations			13.50	meq/L	N/A	SM 1030 F.	02/11/04	0611	
Anions			13.44	meq/L	N/A	SM 1030 F.	02/12/04	1025	
Cation/Anion Balance			0.22	%	N/A	SM 1030 F.	02/11/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AP54-1
Lab ID: 0104W01503
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/11/04	0845	MH
Arsenic	0.013	mg/L		0.005	EPA 200.8	02/11/04	1252	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/11/04	1303	MS
Boron	0.06	mg/L		0.01	EPA 200.7	02/11/04	0845	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/11/04	1303	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0845	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/11/04	1303	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/11/04	0845	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1303	MS
Manganese	0.10	mg/L		0.02	EPA 200.7	02/11/04	0845	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1303	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0845	MH
Selenium	0.584	mg/L		0.005	EPA 200.8	02/11/04	1303	MS
Uranium	4.72	mg/L		0.0001	EPA 200.8	02/11/04	1303	MS
Vanadium	0.3	mg/L		0.1	EPA 200.8	02/11/04	1303	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0845	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen A Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

* No Radium Analysis

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 5AP54-1
Lab ID: 0104W01503
Matrix: Water
Condition: Cool/Intact

Report Date: 02/23/04
Receipt Date: 02/09/04
Sample Date: 02/09/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
General Parameters					
Lab pH	8.0	8.0	0	0.1	s.u.
Lab Conductivity @ 25°C	1,220	1,240	2	5	µmhos/cm
Total Dissolved Solids @ 180°C	830	830	0	10	mg/L
Total Dissolved Solids(Calc)	770	780	1	10	mg/L
Total Alkalinity as CaCO3	419	419	0	1.0	mg/L
Total Hardness as CaCO3	218	220	1	1.0	mg/L
Ammonia Nitrogen	0.2	0.2	0.0**	0.1	mg/L
? Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Silica as SiO2	3.2	3.3	3	0.1	mg/L
Sodium Adsorption Ratio	6.1	6.1	0		
Anions					
Bicarbonate as HCO3	511	511	0	1.0	mg/L
Carbonate as CO3	<1.0	<1.0	NC*	1.0	mg/L
Hydroxide as OH	<1.0	<1.0	NC*	1.0	mg/L
Chloride	33.3	32.7	2	1.0	mg/L
Fluoride	<0.1	<0.1	NC*	0.1	mg/L
Nitrate + Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Sulfate	198	199	1	1.0	mg/L
Cations					
Calcium	67.3	67.7	1	1.0	mg/L
Magnesium	12.2	12.3	1	1.0	mg/L
Potassium	5.3	5.2	2	1.0	mg/L
Sodium	207	209	1	0.2	mg/L
Cations	13.50	13.61	1		meq/L
Anions	13.44	13.44	0		meq/L
Cation/Anion Balance	0.22	0.63			%

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit
These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 5AP54-1
Lab ID: 0104W01503
Matrix: Water
Condition: Cool/Intact

Report Date: 02/23/04
Receipt Date: 02/09/04
Sample Date: 02/09/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
Dissolved Metals					
Aluminum	<0.1	<0.1	NC*	0.1	mg/L
Arsenic	0.013	0.012	0.001**	0.005	mg/L
Barium	<0.5	<0.5	NC*	0.5	mg/L
Boron	0.06	0.06	0	0.01	mg/L
Cadmium	<0.002	<0.002	NC*	0.002	mg/L
Chromium	<0.01	<0.01	NC*	0.01	mg/L
Copper	<0.01	<0.01	NC*	0.01	mg/L
Iron	<0.05	<0.05	NC*	0.05	mg/L
Lead	<0.02	<0.02	NC*	0.02	mg/L
Manganese	0.10	0.10	0	0.02	mg/L
Mercury	<0.001	<0.001	NC*	0.001	mg/L
Molybdenum	<0.02	<0.02	NC*	0.02	mg/L
Nickel	<0.01	<0.01	NC*	0.01	mg/L
Selenium	0.584	0.575	2	0.005	mg/L
Uranium	4.72	4.58	3	0.0001	mg/L
Vanadium	0.3	0.3	0.0**	0.1	mg/L
Zinc	<0.01	<0.01	NC*	0.01	mg/L

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit
These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen A Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5A074-1
Lab ID: 0104W01564
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.9	s.u.			0.1	EPA 150.1	02/11/04	1617	RM
Lab Conductivity @ 25°C	310	µmhos/cm			5	SM 2510 B	02/11/04	1655	RM
Total Dissolved Solids @ 180°C	200	mg/L			10	SM 2540 C	02/11/04	1100	SV
Total Dissolved Solids(Calc)	190	mg/L			10	SM 1030 F.	02/13/04	0005	
Total Alkalinity as CaCO3	118	mg/L			1.0	SM 2320 B	02/11/04	1655	RM
Total Hardness as CaCO3	24.0	mg/L			1.0	SM 2340 B	02/12/04	0615	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	02/12/04	1622	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/11/04	1354	KB
Radium 226	32.9±4.3	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1629	TP
Silica as SiO2	3.0	mg/L			0.1	EPA 200.7	02/12/04	0719	MH
Sodium Adsorption Ratio	5.7				N/A	Calculations	02/12/04	0615	
Anions									
Bicarbonate as HCO3	143	mg/L	2.35	meq/L	1.0	SM 2320 B	02/11/04	1655	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1655	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/11/04	1655	RM
Chloride	2.6	mg/L	0.07	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/11/04	1655	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1047	JF
Sulfate	45.1	mg/L	0.94	meq/L	1.0	EPA 300.0	02/13/04	0005	LK
Cations									
Calcium	7.3	mg/L	0.36	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Magnesium	1.4	mg/L	0.12	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Potassium	1.3	mg/L	0.03	meq/L	1.0	EPA 200.7	02/12/04	0615	MH
Sodium	64.0	mg/L	2.78	meq/L	0.2	EPA 200.7	02/12/04	0615	MH
Cations			3.29	meq/L	N/A	SM 1030 F.	02/12/04	0615	
Anions			3.37	meq/L	N/A	SM 1030 F.	02/13/04	0005	
Cation/Anion Balance			1.20	%	N/A	SM 1030 F.	02/12/04	0615	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401562

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5A074-1
Lab ID: 0104W01564
Matrix: Water
Condition: Cool/Intact

Date Received: 02/10/04
Date Reported: 02/24/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/12/04	0719	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	02/12/04	1221	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/12/04	1221	MS
Boron	0.05	mg/L		0.01	EPA 200.7	02/12/04	0719	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/12/04	1221	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0719	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/12/04	1221	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/12/04	0719	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1221	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	02/12/04	0719	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/12/04	1221	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0719	MH
Selenium	0.031	mg/L		0.005	EPA 200.8	02/12/04	1221	MS
Uranium	0.247	mg/L		0.0001	EPA 200.8	02/12/04	1213	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/12/04	1221	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/12/04	0719	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: AP-02
Lab ID: 0104W01501
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.9	s.u.			0.1	EPA 150.1	02/10/04	1711	RM
Lab Conductivity @ 25°C	965	µmhos/cm			5	SM 2510 B	02/10/04	1711	RM
Total Dissolved Solids @ 180°C	640	mg/L			10	SM 2540 C	02/10/04	1500	SV
Total Dissolved Solids(Calc)	610	mg/L			10	SM 1030 F.	02/12/04	1025	
Total Alkalinity as CaCO3	212	mg/L			1.0	SM 2320 B	02/10/04	1711	RM
Total Hardness as CaCO3	95.0	mg/L			1.0	SM 2340 B	02/11/04	0611	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	02/12/04	1604	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/10/04	1543	JF
Radium 226	51.7±5.1	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1242	TP
Silica as SiO2	2.9	mg/L			0.1	EPA 200.7	02/11/04	0833	MH
Sodium Adsorption Ratio	8.1				N/A	Calculations	02/11/04	0611	
Anions									
Bicarbonate as HCO3	258	mg/L	4.23	meq/L	1.0	SM 2320 B	02/10/04	1711	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1711	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1711	RM
Chloride	7.4	mg/L	0.21	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/10/04	1711	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1025	JF
Sulfate	260	mg/L	5.41	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Cations									
Calcium	28.7	mg/L	1.43	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Magnesium	5.7	mg/L	0.47	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Potassium	4.3	mg/L	0.11	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Sodium	182	mg/L	7.92	meq/L	0.2	EPA 200.7	02/13/04	0625	MH
Cations			9.93	meq/L	N/A	SM 1030 F.	02/11/04	0611	
Anions			9.86	meq/L	N/A	SM 1030 F.	02/12/04	1025	
Cation/Anion Balance			0.35	%	N/A	SM 1030 F.	02/11/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen A Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: AP-02
Lab ID: 0104W01501
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/11/04	0836	MH
Arsenic	0.009	mg/L		0.005	EPA 200.8	02/11/04	1252	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/11/04	1255	MS
Boron	0.04	mg/L		0.01	EPA 200.7	02/11/04	0836	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/11/04	1255	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0836	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/11/04	1255	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/11/04	0836	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1255	MS
Manganese	0.03	mg/L		0.02	EPA 200.7	02/11/04	0836	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1255	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0836	MH
Selenium	0.053	mg/L		0.005	EPA 200.8	02/11/04	1255	MS
Uranium	1.40	mg/L		0.0001	EPA 200.8	02/11/04	1255	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	02/11/04	1255	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0836	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AL66-1
Lab ID: 0104W01507
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.8	s.u.			0.1	EPA 150.1	02/10/04	1840	RM
Lab Conductivity @ 25°C	1,120	µmhos/cm			5	SM 2510 B	02/10/04	1840	RM
Total Dissolved Solids @ 180°C	730	mg/L			10	SM 2540 C	02/10/04	1500	SV
Total Dissolved Solids(Calc)	690	mg/L			10	SM 1030 F.	02/12/04	1025	
Total Alkalinity as CaCO3	416	mg/L			1.0	SM 2320 B	02/10/04	1840	RM
Total Hardness as CaCO3	192	mg/L			1.0	SM 2340 B	02/11/04	0611	
Ammonia Nitrogen	0.3	mg/L			0.1	EPA 350.1	02/12/04	1604	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/10/04	1543	JF
Radium 226	218±10.5	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1242	TP
Silica as SiO2	2.7	mg/L			0.1	EPA 200.7	02/11/04	0833	MH
Sodium Adsorption Ratio	5.9				N/A	Calculations	02/11/04	0611	
Anions									
Bicarbonate as HCO3	507	mg/L	8.31	meq/L	1.0	SM 2320 B	02/10/04	1840	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1840	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1840	RM
Chloride	18.7	mg/L	0.53	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/10/04	1840	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1025	JF
Sulfate	159	mg/L	3.30	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Cations									
Calcium	57.7	mg/L	2.88	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Magnesium	11.7	mg/L	0.96	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Potassium	4.6	mg/L	0.12	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Sodium	188	mg/L	8.18	meq/L	0.2	EPA 200.7	02/13/04	0625	MH
Cations			12.14	meq/L	N/A	SM 1030 F.	02/11/04	0611	
Anions			12.15	meq/L	N/A	SM 1030 F.	02/12/04	1025	
Cation/Anion Balance			0.04	%	N/A	SM 1030 F.	02/11/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AL66-1
Lab ID: 0104W01507
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/11/04	0910	MH
Arsenic	0.020	mg/L		0.005	EPA 200.8	02/11/04	1252	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/11/04	1324	MS
Boron	0.06	mg/L		0.01	EPA 200.7	02/11/04	0910	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/11/04	1324	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0910	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/11/04	1324	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/11/04	0910	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1324	MS
Manganese	0.14	mg/L		0.02	EPA 200.7	02/11/04	0910	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1324	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0910	MH
Selenium	0.695	mg/L		0.005	EPA 200.8	02/11/04	1324	MS
Uranium	2.32	mg/L		0.0001	EPA 200.8	02/11/04	1324	MS
Vanadium	0.1	mg/L		0.1	EPA 200.8	02/11/04	1324	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0910	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AG68-1
Lab ID: 0104W01505
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.2	s.u.			0.1	EPA 150.1	02/10/04	1815	RM
Lab Conductivity @ 25°C	402	µmhos/cm			5	SM 2510 B	02/10/04	1815	RM
Total Dissolved Solids @ 180°C	250	mg/L			10	SM 2540 C	02/10/04	1500	SV
Total Dissolved Solids(Calc)	240	mg/L			10	SM 1030 F.	02/12/04	1025	
Total Alkalinity as CaCO3	172	mg/L			1.0	SM 2320 B	02/10/04	1815	RM
Total Hardness as CaCO3	47.5	mg/L			1.0	SM 2340 B	02/11/04	0611	
Ammonia Nitrogen	0.4	mg/L			0.1	EPA 350.1	02/12/04	1604	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/10/04	1543	JF
Radium 226	119±7.8	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1242	TP
Silica as SiO2	1.6	mg/L			0.1	EPA 200.7	02/11/04	0833	MH
Sodium Adsorption Ratio	4.8				N/A	Calculations	02/11/04	0611	
Anions									
Bicarbonate as HCO3	209	mg/L	3.43	meq/L	1.0	SM 2320 B	02/10/04	1815	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1815	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1815	RM
Chloride	3.6	mg/L	0.10	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/10/04	1815	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1025	JF
Sulfate	38.8	mg/L	0.81	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Cations									
Calcium	14.4	mg/L	0.72	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Magnesium	2.8	mg/L	0.23	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Potassium	2.5	mg/L	0.06	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Sodium	75.9	mg/L	3.30	meq/L	0.2	EPA 200.7	02/11/04	0611	MH
Cations			4.31	meq/L	N/A	SM 1030 F.	02/11/04	0611	
Anions			4.35	meq/L	N/A	SM 1030 F.	02/12/04	1025	
Cation/Anion Balance			0.46	%	N/A	SM 1030 F.	02/11/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AG68-1
Lab ID: 0104W01505
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/11/04	0854	MH
Arsenic	0.023	mg/L		0.005	EPA 200.8	02/11/04	1252	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/11/04	1311	MS
Boron	0.04	mg/L		0.01	EPA 200.7	02/11/04	0854	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/11/04	1311	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0854	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/11/04	1311	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	02/11/04	0854	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1311	MS
Manganese	0.03	mg/L		0.02	EPA 200.7	02/11/04	0854	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1311	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0854	MH
Selenium	0.752	mg/L		0.005	EPA 200.8	02/11/04	1311	MS
Uranium	1.56	mg/L		0.0001	EPA 200.8	02/11/04	1311	MS
Vanadium	0.5	mg/L		0.1	EPA 200.8	02/11/04	1311	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0854	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: COGEMA Mining,Inc.
P.O. Box 730
Mills, WY 82644

Project: Christensen
Sample ID: 5AE80-1
Lab ID: 0104W01506
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.8	s.u.			0.1	EPA 150.1	02/10/04	1828	RM
Lab Conductivity @ 25°C	1,330	µmhos/cm			5	SM 2510 B	02/10/04	1828	RM
Total Dissolved Solids @ 180°C	900	mg/L			10	SM 2540 C	02/10/04	1500	SV
Total Dissolved Solids(Calc)	850	mg/L			10	SM 1030 F.	02/12/04	1025	
Total Alkalinity as CaCO3	450	mg/L			1.0	SM 2320 B	02/10/04	1828	RM
Total Hardness as CaCO3	181	mg/L			1.0	SM 2340 B	02/11/04	0611	
Ammonia Nitrogen	0.3	mg/L			0.1	EPA 350.1	02/12/04	1604	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/10/04	1543	JF
Radium 226	198±9.8	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1242	TP
Silica as SiO2	3.9	mg/L			0.1	EPA 200.7	02/11/04	0833	MH
Sodium Adsorption Ratio	8.0				N/A	Calculations	02/11/04	0611	
Anions									
Bicarbonate as HCO3	548	mg/L	8.99	meq/L	1.0	SM 2320 B	02/10/04	1828	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1828	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1828	RM
Chloride	24.3	mg/L	0.68	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	02/10/04	1828	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1025	JF
Sulfate	236	mg/L	4.92	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Cations									
Calcium	53.4	mg/L	2.66	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Magnesium	11.5	mg/L	0.95	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Potassium	5.4	mg/L	0.14	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Sodium	248	mg/L	10.79	meq/L	0.2	EPA 200.7	02/11/04	0611	MH
Cations			14.54	meq/L	N/A	SM 1030 F.	02/11/04	0611	
Anions			14.59	meq/L	N/A	SM 1030 F.	02/12/04	1025	
Cation/Anion Balance			0.17	%	N/A	SM 1030 F.	02/11/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AE80-1
Lab ID: 0104W01506
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/11/04	0906	MH
Arsenic	0.027	mg/L		0.005	EPA 200.8	02/11/04	1252	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/11/04	1313	MS
Boron	0.06	mg/L		0.01	EPA 200.7	02/11/04	0906	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/11/04	1313	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0906	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/11/04	1313	MS
Iron	0.33	mg/L		0.05	EPA 200.7	02/11/04	0906	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1313	MS
Manganese	0.20	mg/L		0.02	EPA 200.7	02/11/04	0906	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1313	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0906	MH
Selenium	0.159	mg/L		0.005	EPA 200.8	02/11/04	1313	MS
Uranium	1.81	mg/L		0.0001	EPA 200.8	02/11/04	1313	MS
Vanadium	0.3	mg/L		0.1	EPA 200.8	02/11/04	1313	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0906	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AM78-2
Lab ID: 0104W01504
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.8	s.u.			0.1	EPA 150.1	02/10/04	1802	RM
Lab Conductivity @ 25°C	482	µmhos/cm			5	SM 2510 B	02/10/04	1802	RM
Total Dissolved Solids @ 180°C	300	mg/L			10	SM 2540 C	02/10/04	1500	SV
Total Dissolved Solids(Calc)	290	mg/L			10	SM 1030 F.	02/12/04	1025	
Total Alkalinity as CaCO3	155	mg/L			1.0	SM 2320 B	02/10/04	1802	RM
Total Hardness as CaCO3	60.0	mg/L			1.0	SM 2340 B	02/11/04	0611	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	02/12/04	1604	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/10/04	1543	JF
Radium 226	377±14.7	pCi/L			0.2	SM 7500 Ra-B	02/18/04	1242	TP
Silica as SiO2	3.0	mg/L			0.1	EPA 200.7	02/11/04	0833	MH
Sodium Adsorption Ratio	4.9				N/A	Calculations	02/11/04	0611	
Anions									
Bicarbonate as HCO3	189	mg/L	3.09	meq/L	1.0	SM 2320 B	02/10/04	1802	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1802	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/10/04	1802	RM
Chloride	7.3	mg/L	0.21	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	02/10/04	1802	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	02/12/04	1025	JF
Sulfate	80.6	mg/L	1.68	meq/L	1.0	EPA 300.0	02/10/04	1329	LK
Cations									
Calcium	18.0	mg/L	0.90	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Magnesium	3.7	mg/L	0.30	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Potassium	1.8	mg/L	0.05	meq/L	1.0	EPA 200.7	02/11/04	0611	MH
Sodium	87.5	mg/L	3.80	meq/L	0.2	EPA 200.7	02/11/04	0611	MH
Cations			5.05	meq/L	N/A	SM 1030 F.	02/11/04	0611	
Anions			4.99	meq/L	N/A	SM 1030 F.	02/12/04	1025	
Cation/Anion Balance			0.60	%	N/A	SM 1030 F.	02/11/04	0611	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Report ID: 010401500

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AM78-2
Lab ID: 0104W01504
Matrix: Water
Condition: Cool/Intact

Date Received: 02/09/04
Date Reported: 02/23/04
Date Sampled: 02/09/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	02/11/04	0851	MH
Arsenic	0.008	mg/L		0.005	EPA 200.8	02/11/04	1252	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	02/11/04	1308	MS
Boron	0.05	mg/L		0.01	EPA 200.7	02/11/04	0851	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	02/11/04	1308	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0851	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/11/04	1308	MS
Iron	0.09	mg/L		0.05	EPA 200.7	02/11/04	0851	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1308	MS
Manganese	0.05	mg/L		0.02	EPA 200.7	02/11/04	0851	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	02/13/04	0950	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	02/11/04	1308	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0851	MH
Selenium	0.384	mg/L		0.005	EPA 200.8	02/11/04	1308	MS
Uranium	0.916	mg/L		0.0001	EPA 200.8	02/11/04	1308	MS
Vanadium	0.2	mg/L		0.1	EPA 200.8	02/11/04	1308	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	02/11/04	0851	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 5-10-04 Received by [signature] Date 5-10 17:00

Restoration Sample Description
Location: ___ Irigaray 1 Christensen Mine or Production Unit _____ Module # (if applicale) _____

Restoration Phase: ___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
X Stabilization (explain MW5 3rd Round 3rd Round - stabilization)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : Tom nicholson

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Comments
1	MW-03	5-10-04	Half Gal.	X		X		
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	5A074-1		**	**	**	**	**	
3	5AE80-1		**	**	**	**	**	
4	5AB68-1		**	**	**	**	**	
5	5AL66-1		**	**	**	**	**	
6	5AP54-1		**	**	**	**	**	Near MW 48
7	5AM78-2		**	**	**	**	**	
8	AP-02		**	**	**	**	**	
9	5BD50-1		**	**	**	**	**	Near MW 48
10	5BK58-1		**	**	**	**	**	Near MW 48
11	TW 0001		**	**	**	**	**	
12	MW 07		**	**	**	**	**	
13	5BA48-1		**	**	**	**	**	Near MW 48
14			**	**	**	**	**	
15			**	**	**	**	**	

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1 L:\LARRY\[pvdsub.xls]pvdsub

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: MW-03
Lab ID: 0104W07376
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.1	s.u.			0.1	EPA 150.1	05/12/04	1354	JG
Lab Conductivity @ 25°C	425	µmhos/cm			5	SM 2510 B	05/12/04	1354	JG
Total Dissolved Solids @ 180°C	300	mg/L			10	SM 2540 C	05/12/04	1000	SH
Total Dissolved Solids(Calc)	270	mg/L			10	SM 1030 F.	05/18/04	1444	
Total Alkalinity as CaCO3	160	mg/L			1.0	SM 2320 B	05/12/04	1354	JG
Total Hardness as CaCO3	30.5	mg/L			1.0	SM 2340 B	05/12/04	0847	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	05/17/04	1444	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/11/04	2138	RM
Radium 226	80.8±8.0	pCi/L			0.2	SM 7500 Ra-B	05/23/04	1426	TP
Silica as SiO2	2.1	mg/L			0.1	EPA 200.7	05/12/04	0847	MH
Sodium Adsorption Ratio	7.4				N/A	Calculations	05/12/04	0847	
Anions									
Bicarbonate as HCO3	195	mg/L	3.20	meq/L	1.0	SM 2320 B	05/12/04	1354	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1354	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1354	JG
Chloride	3.0	mg/L	0.08	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	05/12/04	1354	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/12/04	1612	RM
Sulfate	65.1	mg/L	1.36	meq/L	1.0	EPA 300.0	05/14/04	0833	LK
Cations									
Calcium	9.5	mg/L	0.48	meq/L	1.0	EPA 200.7	05/12/04	0847	MH
Magnesium	1.5	mg/L	0.13	meq/L	1.0	EPA 200.7	05/12/04	0847	MH
Potassium	1.8	mg/L	0.05	meq/L	1.0	EPA 200.7	05/12/04	0847	MH
Sodium	94.1	mg/L	4.09	meq/L	0.2	EPA 200.7	05/12/04	0847	MH
Cations			4.75	meq/L	N/A	SM 1030 F.	05/12/04	0847	
Anions			4.65	meq/L	N/A	SM 1030 F.	05/18/04	1444	
Cation/Anion Balance			1.06	%	N/A	SM 1030 F.	05/12/04	0847	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: MW-03
Lab ID: 0104W07376
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/12/04	0847	MH
Arsenic	0.005	mg/L		0.005	EPA 200.8	05/14/04	1548	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/14/04	1548	MS
Boron	0.06	mg/L		0.01	EPA 200.7	05/12/04	0847	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/14/04	1548	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0847	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/14/04	1548	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/12/04	0847	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1548	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	05/12/04	0847	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1548	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0847	MH
Selenium	1.68	mg/L		0.005	EPA 200.8	05/14/04	1548	MS
Uranium	1.28	mg/L		0.0001	EPA 200.8	05/14/04	1548	MS
Vanadium	0.2	mg/L		0.1	EPA 200.8	05/14/04	1548	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0847	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen A Barten
Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AO74-1
Lab ID: 0104W07377
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.0	s.u.			0.1	EPA 150.1	05/12/04	1406	JG
Lab Conductivity @ 25°C	314	µmhos/cm			5	SM 2510 B	05/12/04	1406	JG
Total Dissolved Solids @ 180°C	220	mg/L			10	SM 2540 C	05/12/04	1000	SH
Total Dissolved Solids(Calc)	190	mg/L			10	SM 1030 F.	05/18/04	1445	
Total Alkalinity as CaCO3	119	mg/L			1.0	SM 2320 B	05/12/04	1406	JG
Total Hardness as CaCO3	25.0	mg/L			1.0	SM 2340 B	05/12/04	0850	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	05/17/04	1444	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/11/04	2138	RM
Radium 226	22.8±4.8	pCi/L			0.2	SM 7500 Ra-B	05/23/04	1426	TP
Silica as SiO2	3.0	mg/L			0.1	EPA 200.7	05/12/04	0850	MH
Sodium Adsorption Ratio	5.8				N/A	Calculations	05/12/04	0850	
Anions									
Bicarbonate as HCO3	145	mg/L	2.37	meq/L	1.0	SM 2320 B	05/12/04	1406	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1406	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1406	JG
Chloride	2.4	mg/L	0.07	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	05/12/04	1406	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/12/04	1620	RM
Sulfate	42.6	mg/L	0.89	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Cations									
Calcium	7.7	mg/L	0.39	meq/L	1.0	EPA 200.7	05/12/04	0850	MH
Magnesium	1.4	mg/L	0.11	meq/L	1.0	EPA 200.7	05/12/04	0850	MH
Potassium	1.3	mg/L	0.03	meq/L	1.0	EPA 200.7	05/12/04	0850	MH
Sodium	67.2	mg/L	2.92	meq/L	0.2	EPA 200.7	05/12/04	0850	MH
Cations			3.45	meq/L	N/A	SM 1030 F.	05/12/04	0850	
Anions			3.34	meq/L	N/A	SM 1030 F.	05/18/04	1445	
Cation/Anion Balance			1.62	%	N/A	SM 1030 F.	05/12/04	0850	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AO74-1
Lab ID: 0104W07377
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/12/04	0850	MH
Arsenic	0.005	mg/L		0.005	EPA 200.8	05/14/04	1550	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/14/04	1550	MS
Boron	0.06	mg/L		0.01	EPA 200.7	05/12/04	0850	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/14/04	1550	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0850	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/14/04	1550	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/12/04	0850	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1550	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	05/12/04	0850	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1550	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0850	MH
Selenium	0.019	mg/L		0.005	EPA 200.8	05/14/04	1550	MS
Uranium	0.304	mg/L		0.0001	EPA 200.8	05/14/04	1550	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	05/14/04	1550	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0850	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AE80-1
Lab ID: 0104W07378
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.9	s.u.			0.1	EPA 150.1	05/12/04	1419	JG
Lab Conductivity @ 25°C	1,520	µmhos/cm			5	SM 2510 B	05/12/04	1419	JG
Total Dissolved Solids @ 180°C	1,070	mg/L			10	SM 2540 C	05/12/04	1000	SH
Total Dissolved Solids(Calc)	1,010	mg/L			10	SM 1030 F.	05/18/04	1446	
Total Alkalinity as CaCO3	511	mg/L			1.0	SM 2320 B	05/12/04	1419	JG
Total Hardness as CaCO3	271	mg/L			1.0	SM 2340 B	05/12/04	0853	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	05/17/04	1444	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/11/04	2138	RM
Radium 226	171±11	pCi/L			0.2	SM 7500 Ra-B	05/23/04	1426	TP
Silica as SIO2	3.9	mg/L			0.1	EPA 200.7	05/12/04	0853	MH
Sodium Adsorption Ratio	7.3				N/A	Calculations	05/12/04	0853	
Anions									
Bicarbonate as HCO3	623	mg/L	10.22	meq/L	1.0	SM 2320 B	05/12/04	1419	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1419	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1419	JG
Chloride	30.1	mg/L	0.85	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	05/12/04	1419	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/12/04	1621	RM
Sulfate	286	mg/L	5.96	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Cations									
Calcium	85.6	mg/L	4.27	meq/L	1.0	EPA 200.7	05/12/04	0853	MH
Magnesium	13.9	mg/L	1.14	meq/L	1.0	EPA 200.7	05/12/04	0853	MH
Potassium	5.6	mg/L	0.14	meq/L	1.0	EPA 200.7	05/12/04	0853	MH
Sodium	278	mg/L	12.08	meq/L	0.2	EPA 200.7	05/12/04	0853	MH
Cations			17.63	meq/L	N/A	SM 1030 F.	05/12/04	0853	
Anions			17.04	meq/L	N/A	SM 1030 F.	05/18/04	1446	
Cation/Anion Balance			1.70	%	N/A	SM 1030 F.	05/12/04	0853	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AE80-1
Lab ID: 0104W07378
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/12/04	0853	MH
Arsenic	0.009	mg/L		0.005	EPA 200.8	05/14/04	1553	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/14/04	1553	MS
Boron	0.07	mg/L		0.01	EPA 200.7	05/12/04	0853	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/14/04	1553	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0853	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/14/04	1553	MS
Iron	0.25	mg/L		0.05	EPA 200.7	05/12/04	0853	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1553	MS
Manganese	0.25	mg/L		0.02	EPA 200.7	05/12/04	0853	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1553	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0853	MH
Selenium	0.077	mg/L		0.005	EPA 200.8	05/14/04	1553	MS
Uranium	1.47	mg/L		0.0001	EPA 200.8	05/14/04	1553	MS
Vanadium	0.2	mg/L		0.1	EPA 200.8	05/14/04	1553	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0853	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AG68-1
Lab ID: 0104W07379
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.2	s.u.			0.1	EPA 150.1	05/12/04	1430	JG
Lab Conductivity @ 25°C	304	µmhos/cm			5	SM 2510 B	05/12/04	1430	JG
Total Dissolved Solids @ 180°C	200	mg/L			10	SM 2540 C	05/12/04	1000	SH
Total Dissolved Solids(Calc)	180	mg/L			10	SM 1030 F.	05/18/04	1447	
Total Alkalinity as CaCO3	128	mg/L			1.0	SM 2320 B	05/12/04	1430	JG
Total Hardness as CaCO3	37.5	mg/L			1.0	SM 2340 B	05/12/04	0857	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	05/17/04	1444	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/11/04	2138	RM
Radium 226	71.5±7.5	pCi/L			0.2	SM 7500 Ra-B	05/23/04	1426	TP
Silica as SiO2	1.5	mg/L			0.1	EPA 200.7	05/12/04	0857	MH
Sodium Adsorption Ratio	4.1				N/A	Calculations	05/12/04	0857	
Anions									
Bicarbonate as HCO3	156	mg/L	2.56	meq/L	1.0	SM 2320 B	05/12/04	1430	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1430	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1430	JG
Chloride	2.6	mg/L	0.07	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	05/12/04	1430	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/12/04	1622	RM
Sulfate	30.6	mg/L	0.64	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Cations									
Calcium	11.6	mg/L	0.58	meq/L	1.0	EPA 200.7	05/12/04	0857	MH
Magnesium	2.0	mg/L	0.17	meq/L	1.0	EPA 200.7	05/12/04	0857	MH
Potassium	2.1	mg/L	0.05	meq/L	1.0	EPA 200.7	05/12/04	0857	MH
Sodium	57.1	mg/L	2.49	meq/L	0.2	EPA 200.7	05/12/04	0857	MH
Cations			3.29	meq/L	N/A	SM 1030 F.	05/12/04	0857	
Anions			3.29	meq/L	N/A	SM 1030 F.	05/18/04	1447	
Cation/Anion Balance			0.00	%	N/A	SM 1030 F.	05/12/04	0857	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen A Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AG68-1
Lab ID: 0104W07379
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/12/04	0857	MH
Arsenic	0.017	mg/L		0.005	EPA 200.8	05/14/04	1556	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/14/04	1556	MS
Boron	0.05	mg/L		0.01	EPA 200.7	05/12/04	0857	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/14/04	1556	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0857	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/14/04	1556	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/12/04	0857	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1556	MS
Manganese	0.02	mg/L		0.02	EPA 200.7	05/12/04	0857	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1556	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0857	MH
Selenium	0.402	mg/L		0.005	EPA 200.8	05/14/04	1556	MS
Uranium	0.692	mg/L		0.0001	EPA 200.8	05/14/04	1556	MS
Vanadium	0.3	mg/L		0.1	EPA 200.8	05/14/04	1556	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0857	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AL66-1
Lab ID: 0104W07380
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.9	s.u.			0.1	EPA 150.1	05/12/04	1443	JG
Lab Conductivity @ 25°C	1,140	µmhos/cm			5	SM 2510 B	05/12/04	1443	JG
Total Dissolved Solids @ 180°C	780	mg/L			10	SM 2540 C	05/12/04	1000	SH
Total Dissolved Solids(Calc)	740	mg/L			10	SM 1030 F.	05/18/04	1448	
Total Alkalinity as CaCO3	439	mg/L			1.0	SM 2320 B	05/12/04	1443	JG
Total Hardness as CaCO3	196	mg/L			1.0	SM 2340 B	05/12/04	1033	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	05/17/04	1444	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/11/04	2138	RM
Radium 226	224±13	pCi/L			0.2	SM 7500 Ra-B	05/23/04	1426	TP
Silica as SiO2	2.5	mg/L			0.1	EPA 200.7	05/12/04	1033	MH
Sodium Adsorption Ratio	6.7				N/A	Calculations	05/12/04	1033	
Anions									
Bicarbonate as HCO3	535	mg/L	8.77	meq/L	1.0	SM 2320 B	05/12/04	1443	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1443	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1443	JG
Chloride	19.7	mg/L	0.55	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	05/12/04	1443	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/12/04	1623	RM
Sulfate	169	mg/L	3.51	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Cations									
Calcium	59.2	mg/L	2.96	meq/L	1.0	EPA 200.7	05/12/04	1033	MH
Magnesium	11.6	mg/L	0.95	meq/L	1.0	EPA 200.7	05/12/04	1033	MH
Potassium	4.2	mg/L	0.11	meq/L	1.0	EPA 200.7	05/12/04	1033	MH
Sodium	214	mg/L	9.31	meq/L	0.2	EPA 200.7	05/12/04	1033	MH
Cations			13.33	meq/L	N/A	SM 1030 F.	05/12/04	1033	
Anions			12.83	meq/L	N/A	SM 1030 F.	05/18/04	1448	
Cation/Anion Balance			1.91	%	N/A	SM 1030 F.	05/12/04	1033	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AL66-1
Lab ID: 0104W07380
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/12/04	1033	MH
Arsenic	0.016	mg/L		0.005	EPA 200.8	05/14/04	1558	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/14/04	1558	MS
Boron	0.08	mg/L		0.01	EPA 200.7	05/12/04	1033	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/14/04	1558	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/12/04	1033	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/14/04	1558	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/12/04	1033	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1558	MS
Manganese	0.16	mg/L		0.02	EPA 200.7	05/12/04	1033	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1558	MS
Nickel	0.02	mg/L		0.01	EPA 200.7	05/12/04	1033	MH
Selenium	0.433	mg/L		0.005	EPA 200.8	05/14/04	1558	MS
Uranium	1.46	mg/L		0.0001	EPA 200.8	05/14/04	1558	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	05/14/04	1558	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/12/04	1033	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AP54-1
Lab ID: 0104W07381
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.1	s.u.			0.1	EPA 150.1	05/12/04	1456	JG
Lab Conductivity @ 25°C	1,270	µmhos/cm			5	SM 2510 B	05/12/04	1456	JG
Total Dissolved Solids @ 180°C	880	mg/L			10	SM 2540 C	05/12/04	1000	SH
Total Dissolved Solids(Calc)	830	mg/L			10	SM 1030 F.	05/18/04	1449	
Total Alkalinity as CaCO3	453	mg/L			1.0	SM 2320 B	05/12/04	1456	JG
Total Hardness as CaCO3	238	mg/L			1.0	SM 2340 B	05/12/04	1037	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	05/17/04	1444	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/11/04	2138	RM
Radium 226	323±16	pCi/L			0.2	SM 7500 Ra-B	05/23/04	1426	TP
Silica as SiO2	3.2	mg/L			0.1	EPA 200.7	05/12/04	1037	MH
Sodium Adsorption Ratio	6.4				N/A	Calculations	05/12/04	1037	
Anions									
Bicarbonate as HCO3	552	mg/L	9.05	meq/L	1.0	SM 2320 B	05/12/04	1456	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1456	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1456	JG
Chloride	31.3	mg/L	0.88	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	05/12/04	1456	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/12/04	1624	RM
Sulfate	207	mg/L	4.31	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Cations									
Calcium	74.2	mg/L	3.70	meq/L	1.0	EPA 200.7	05/12/04	1037	MH
Magnesium	12.9	mg/L	1.06	meq/L	1.0	EPA 200.7	05/12/04	1037	MH
Potassium	5.2	mg/L	0.13	meq/L	1.0	EPA 200.7	05/12/04	1037	MH
Sodium	227	mg/L	9.86	meq/L	0.2	EPA 200.7	05/12/04	1037	MH
Cations			14.75	meq/L	N/A	SM 1030 F.	05/12/04	1037	
Anions			14.25	meq/L	N/A	SM 1030 F.	05/18/04	1449	
Cation/Anion Balance			1.72	%	N/A	SM 1030 F.	05/12/04	1037	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/160, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AP54-1
Lab ID: 0104W07381
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/12/04	1037	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	05/14/04	1601	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/14/04	1601	MS
Boron	0.07	mg/L		0.01	EPA 200.7	05/12/04	1037	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/14/04	1601	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/12/04	1037	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/14/04	1601	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/12/04	1037	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1601	MS
Manganese	0.11	mg/L		0.02	EPA 200.7	05/12/04	1037	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1601	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/12/04	1037	MH
Selenium	0.325	mg/L		0.005	EPA 200.8	05/14/04	1601	MS
Uranium	4.81	mg/L		0.0001	EPA 200.8	05/14/04	1601	MS
Vanadium	0.2	mg/L		0.1	EPA 200.8	05/14/04	1601	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/12/04	1037	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AM78-2
Lab ID: 0104W07382
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.0	s.u.			0.1	EPA 150.1	05/12/04	1509	JG
Lab Conductivity @ 25°C	556	µmhos/cm			5	SM 2510 B	05/12/04	1509	JG
Total Dissolved Solids @ 180°C	380	mg/L			10	SM 2540 C	05/12/04	1000	SH
Total Dissolved Solids(Calc)	360	mg/L			10	SM 1030 F.	05/18/04	1450	
Total Alkalinity as CaCO3	175	mg/L			1.0	SM 2320 B	05/12/04	1509	JG
Total Hardness as CaCO3	70.0	mg/L			1.0	SM 2340 B	05/12/04	1044	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	05/17/04	1444	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/11/04	2138	RM
Radium 226	265±15	pCi/L			0.2	SM 7500 Ra-B	05/23/04	1426	TP
Silica as SiO2	3.1	mg/L			0.1	EPA 200.7	05/12/04	1044	MH
Sodium Adsorption Ratio	5.6				N/A	Calculations	05/12/04	1044	
Anions									
Bicarbonate as HCO3	214	mg/L	3.50	meq/L	1.0	SM 2320 B	05/12/04	1509	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1509	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1509	JG
Chloride	8.4	mg/L	0.24	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	05/12/04	1509	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/12/04	1625	RM
Sulfate	108	mg/L	2.24	meq/L	1.0	EPA 300.0	05/14/04	0833	LK
Cations									
Calcium	21.2	mg/L	1.06	meq/L	1.0	EPA 200.7	05/12/04	1044	MH
Magnesium	4.2	mg/L	0.34	meq/L	1.0	EPA 200.7	05/12/04	1044	MH
Potassium	2.1	mg/L	0.05	meq/L	1.0	EPA 200.7	05/12/04	1044	MH
Sodium	108	mg/L	4.68	meq/L	0.2	EPA 200.7	05/12/04	1044	MH
Cations			6.13	meq/L	N/A	SM 1030 F.	05/12/04	1044	
Anions			5.98	meq/L	N/A	SM 1030 F.	05/18/04	1450	
Cation/Anion Balance			1.24	%	N/A	SM 1030 F.	05/12/04	1044	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5AM78-2
Lab ID: 0104W07382
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/12/04	1044	MH
Arsenic	0.010	mg/L		0.005	EPA 200.8	05/14/04	1606	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/14/04	1606	MS
Boron	0.07	mg/L		0.01	EPA 200.7	05/12/04	1044	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/14/04	1606	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/12/04	1044	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/14/04	1606	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/12/04	1044	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1606	MS
Manganese	0.06	mg/L		0.02	EPA 200.7	05/12/04	1044	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1606	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/12/04	1044	MH
Selenium	0.179	mg/L		0.005	EPA 200.8	05/14/04	1606	MS
Uranium	0.715	mg/L		0.0001	EPA 200.8	05/14/04	1606	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	05/14/04	1606	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/12/04	1044	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals In Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: AP-02
Lab ID: 0104W07383
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.1	s.u.			0.1	EPA 150.1	05/12/04	1521	JG
Lab Conductivity @ 25°C	995	µmhos/cm			5	SM 2510 B	05/12/04	1521	JG
Total Dissolved Solids @ 180°C	690	mg/L			10	SM 2540 C	05/12/04	1000	SH
Total Dissolved Solids(Calc)	660	mg/L			10	SM 1030 F.	05/18/04	1451	
Total Alkalinity as CaCO3	212	mg/L			1.0	SM 2320 B	05/12/04	1521	JG
Total Hardness as CaCO3	99.5	mg/L			1.0	SM 2340 B	05/18/04	1047	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	05/17/04	1444	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/11/04	2138	RM
Radium 226	55.3±6.5	pCi/L			0.2	SM 7500 Ra-B	05/23/04	1426	TP
Silica as SiO2	2.8	mg/L			0.1	EPA 200.7	05/12/04	1047	MH
Sodium Adsorption Ratio	8.8				N/A	Calculations	05/18/04	1047	
Anions									
Bicarbonate as HCO3	259	mg/L	4.24	meq/L	1.0	SM 2320 B	05/12/04	1521	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1521	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1521	JG
Chloride	7.6	mg/L	0.21	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	05/12/04	1521	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/12/04	1626	RM
Sulfate	288	mg/L	5.99	meq/L	1.0	EPA 300.0	05/14/04	0833	LK
Cations									
Calcium	29.9	mg/L	1.49	meq/L	1.0	EPA 200.7	05/18/04	1045	MH
Magnesium	6.0	mg/L	0.50	meq/L	1.0	EPA 200.7	05/13/04	1047	MH
Potassium	3.4	mg/L	0.09	meq/L	1.0	EPA 200.7	05/18/04	1045	MH
Sodium	201	mg/L	8.73	meq/L	0.2	EPA 200.7	05/18/04	1045	MH
Cations			10.81	meq/L	N/A	SM 1030 F.	05/18/04	1047	
Anions			10.46	meq/L	N/A	SM 1030 F.	05/18/04	1451	
Cation/Anion Balance			1.65	%	N/A	SM 1030 F.	05/18/04	1047	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen K Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: AP-02
Lab ID: 0104W07383
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/12/04	1047	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	05/14/04	1609	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/14/04	1609	MS
Boron	0.06	mg/L		0.01	EPA 200.7	05/12/04	1047	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/14/04	1609	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/12/04	1047	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/14/04	1609	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/12/04	1047	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1609	MS
Manganese	0.03	mg/L		0.02	EPA 200.7	05/12/04	1047	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1609	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/12/04	1047	MH
Selenium	0.011	mg/L		0.005	EPA 200.8	05/14/04	1609	MS
Uranium	0.535	mg/L		0.0001	EPA 200.8	05/14/04	1609	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	05/14/04	1609	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/12/04	1047	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: AP-02
Lab ID: 0104W07383
Matrix: Water
Condition: Cool/Intact

Report Date: 05/25/04
Receipt Date: 05/11/04
Sample Date: 05/10/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
General Parameters					
Lab pH	8.1	8.1	0	0.1	s.u.
Lab Conductivity @ 25°C	995	983	1	5	µmhos/cm
Total Dissolved Solids @ 180°C	690	700	1	10	mg/L
Total Dissolved Solids(Calc)	660	660	0	10	mg/L
Total Alkalinity as CaCO3	212	213	0	1.0	mg/L
Total Hardness as CaCO3	99.5	98.0	2	1.0	mg/L
Ammonia Nitrogen	0.2	<0.1	NC*	0.1	mg/L
Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Silica as SiO2	2.8	2.8	0	0.1	mg/L
Sodium Adsorption Ratio	8.8	9.0	2		
Anions					
Bicarbonate as HCO3	259	259	0	1.0	mg/L
Carbonate as CO3	<1.0	<1.0	NC*	1.0	mg/L
Hydroxide as OH	<1.0	<1.0	NC*	1.0	mg/L
Chloride	7.6	7.6	0	1.0	mg/L
Fluoride	0.1	0.1	0.0**	0.1	mg/L
Nitrate + Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Sulfate	288	282	2	1.0	mg/L
Cations					
Calcium	29.9	29.4	2	1.0	mg/L
Magnesium	6.0	6.0	0	1.0	mg/L
Potassium	3.4	3.4	0.0**	1.0	mg/L
Sodium	201	204	1	0.2	mg/L
Cations	10.81	10.91	1		meq/L
Anions	10.46	10.36	1		meq/L
Cation/Anion Balance	1.65	2.59			%

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.

Reviewed By: Karen A Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: AP-02
Lab ID: 0104W07383
Matrix: Water
Condition: Cool/Intact

Report Date: 05/25/04
Receipt Date: 05/11/04
Sample Date: 05/10/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
Dissolved Metals					
Aluminum	<0.1	<0.1	NC*	0.1	mg/L
Arsenic	<0.005	<0.005	NC*	0.005	mg/L
Barium	<0.5	<0.5	NC*	0.5	mg/L
Boron	0.06	0.06	0	0.01	mg/L
Cadmium	<0.002	<0.002	NC*	0.002	mg/L
Chromium	<0.01	<0.01	NC*	0.01	mg/L
Copper	<0.01	<0.01	NC*	0.01	mg/L
Iron	<0.05	<0.05	NC*	0.05	mg/L
Lead	<0.02	<0.02	NC*	0.02	mg/L
Manganese	0.03	0.03	0.00**	0.02	mg/L
Mercury	<0.001	<0.001	NC*	0.001	mg/L
Molybdenum	<0.02	<0.02	NC*	0.02	mg/L
Nickel	<0.01	<0.01	NC*	0.01	mg/L
Selenium	0.011	0.013	0.002**	0.005	mg/L
Uranium	0.535	0.573	7	0.0001	mg/L
Vanadium	<0.1	<0.1	NC*	0.1	mg/L
Zinc	<0.01	<0.01	NC*	0.01	mg/L

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit
These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BD50-1
Lab ID: 0104W07384
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.3	s.u.			0.1	EPA 150.1	05/12/04	1544	JG
Lab Conductivity @ 25°C	477	µmhos/cm			5	SM 2510 B	05/12/04	1544	JG
Total Dissolved Solids @ 180°C	320	mg/L			10	SM 2540 C	05/12/04	1000	SH
Total Dissolved Solids(Calc)	300	mg/L			10	SM 1030 F.	05/18/04	1453	
Total Alkalinity as CaCO3	182	mg/L			1.0	SM 2320 B	05/12/04	1544	JG
Total Hardness as CaCO3	38.5	mg/L			1.0	SM 2340 B	05/12/04	0928	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	05/17/04	1444	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/11/04	2138	RM
Radium 226	75.3±8.2	pCi/L			0.2	SM 7500 Ra-B	05/23/04	1426	TP
Silica as SiO2	2.3	mg/L			0.1	EPA 200.7	05/12/04	0928	MH
Sodium Adsorption Ratio	7.2				N/A	Calculations	05/12/04	0928	
Anions									
Bicarbonate as HCO3	222	mg/L	3.64	meq/L	1.0	SM 2320 B	05/12/04	1544	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1544	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1544	JG
Chloride	4.7	mg/L	0.13	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	05/12/04	1544	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/12/04	1628	RM
Sulfate	63.3	mg/L	1.32	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Cations									
Calcium	11.8	mg/L	0.59	meq/L	1.0	EPA 200.7	05/12/04	0928	MH
Magnesium	2.2	mg/L	0.18	meq/L	1.0	EPA 200.7	05/12/04	0928	MH
Potassium	2.1	mg/L	0.05	meq/L	1.0	EPA 200.7	05/12/04	0928	MH
Sodium	102	mg/L	4.44	meq/L	0.2	EPA 200.7	05/12/04	0928	MH
Cations			5.26	meq/L	N/A	SM 1030 F.	05/12/04	0928	
Anions			5.10	meq/L	N/A	SM 1030 F.	05/18/04	1453	
Cation/Anion Balance			1.54	%	N/A	SM 1030 F.	05/12/04	0928	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen A Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BD50-1
Lab ID: 0104W07384
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/12/04	0928	MH
Arsenic	0.011	mg/L		0.005	EPA 200.8	05/14/04	1622	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/14/04	1622	MS
Boron	0.05	mg/L		0.01	EPA 200.7	05/12/04	0928	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/14/04	1622	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0928	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/14/04	1622	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/12/04	0928	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1622	MS
Manganese	0.02	mg/L		0.02	EPA 200.7	05/12/04	0928	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1622	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0928	MH
Selenium	0.563	mg/L		0.005	EPA 200.8	05/14/04	1622	MS
Uranium	1.98	mg/L		0.0001	EPA 200.8	05/14/04	1622	MS
Vanadium	0.2	mg/L		0.1	EPA 200.8	05/14/04	1622	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0928	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BK58-1
Lab ID: 0104W07385
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.9	s.u.			0.1	EPA 150.1	05/12/04	1557	JG
Lab Conductivity @ 25°C	1,250	µmhos/cm			5	SM 2510 B	05/12/04	1557	JG
Total Dissolved Solids @ 180°C	900	mg/L			10	SM 2540 C	05/12/04	1000	SH
Total Dissolved Solids(Calc)	840	mg/L			10	SM 1030 F.	05/18/04	1459	
Total Alkalinity as CaCO3	376	mg/L			1.0	SM 2320 B	05/12/04	1557	JG
Total Hardness as CaCO3	153	mg/L			1.0	SM 2340 B	05/12/04	0931	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	05/17/04	1444	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/11/04	2138	RM
Radium 226	1280±31	pCi/L			0.2	SM 7500 Ra-B	05/23/04	1426	TP
Silica as SiO2	3.6	mg/L			0.1	EPA 200.7	05/12/04	0931	MH
Sodium Adsorption Ratio	9.1				N/A	Calculations	05/12/04	0931	
Anions									
Bicarbonate as HCO3	459	mg/L	7.52	meq/L	1.0	SM 2320 B	05/12/04	1557	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1557	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1557	JG
Chloride	19.9	mg/L	0.56	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	05/12/04	1557	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/12/04	1630	RM
Sulfate	276	mg/L	5.74	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Cations									
Calcium	45.5	mg/L	2.27	meq/L	1.0	EPA 200.7	05/18/04	1052	MH
Magnesium	9.5	mg/L	0.78	meq/L	1.0	EPA 200.7	05/12/04	0931	MH
Potassium	3.6	mg/L	0.09	meq/L	1.0	EPA 200.7	05/18/04	1052	MH
Sodium	259	mg/L	11.26	meq/L	0.2	EPA 200.7	05/18/04	1052	MH
Cations			14.40	meq/L	N/A	SM 1030 F.	05/12/04	0931	
Anions			13.82	meq/L	N/A	SM 1030 F.	05/18/04	1459	
Cation/Anion Balance			2.06	%	N/A	SM 1030 F.	05/12/04	0931	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barlen

Karen Barlen, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BK58-1
Lab ID: 0104W07385
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/12/04	0931	MH
Arsenic	0.006	mg/L		0.005	EPA 200.8	05/14/04	1624	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/14/04	1624	MS
Boron	0.07	mg/L		0.01	EPA 200.7	05/12/04	0931	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/14/04	1624	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0931	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/14/04	1624	MS
Iron	0.24	mg/L		0.05	EPA 200.7	05/12/04	0931	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1624	MS
Manganese	0.12	mg/L		0.02	EPA 200.7	05/12/04	0931	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1624	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0931	MH
Selenium	0.134	mg/L		0.005	EPA 200.8	05/14/04	1624	MS
Uranium	2.97	mg/L		0.0001	EPA 200.8	05/14/04	1624	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	05/14/04	1624	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0931	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: TW0001
Lab ID: 0104W07386
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.0	s.u.			0.1	EPA 150.1	05/12/04	1608	JG
Lab Conductivity @ 25°C	305	µmhos/cm			5	SM 2510 B	05/12/04	1608	JG
Total Dissolved Solids @ 180°C	210	mg/L			10	SM 2540 C	05/12/04	1000	SH
Total Dissolved Solids(Calc)	190	mg/L			10	SM 1030 F.	05/18/04	1500	
Total Alkalinity as CaCO3	110	mg/L			1.0	SM 2320 B	05/12/04	1608	JG
Total Hardness as CaCO3	21.0	mg/L			1.0	SM 2340 B	05/12/04	0934	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	05/17/04	1444	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/11/04	2138	RM
Radium 226	51.7±7.0	pCi/L			0.2	SM 7500 Ra-B	05/23/04	1426	TP
Silica as SiO2	3.7	mg/L			0.1	EPA 200.7	05/12/04	0934	MH
Sodium Adsorption Ratio	6.2				N/A	Calculations	05/12/04	0934	
Anions									
Bicarbonate as HCO3	134	mg/L	2.19	meq/L	1.0	SM 2320 B	05/12/04	1608	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1608	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1608	JG
Chloride	2.9	mg/L	0.08	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	05/12/04	1608	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/12/04	1631	RM
Sulfate	46.3	mg/L	0.96	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Cations									
Calcium	6.4	mg/L	0.32	meq/L	1.0	EPA 200.7	05/12/04	0934	MH
Magnesium	1.3	mg/L	0.10	meq/L	1.0	EPA 200.7	05/12/04	0934	MH
Potassium	1.4	mg/L	0.04	meq/L	1.0	EPA 200.7	05/12/04	0934	MH
Sodium	65.4	mg/L	2.84	meq/L	0.2	EPA 200.7	05/12/04	0934	MH
Cations			3.30	meq/L	N/A	SM 1030 F.	05/12/04	0934	
Anions			3.24	meq/L	N/A	SM 1030 F.	05/18/04	1500	
Cation/Anion Balance			0.92	%	N/A	SM 1030 F.	05/12/04	0934	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: TW0001
Lab ID: 0104W07386
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/12/04	0934	MH
Arsenic	0.020	mg/L		0.005	EPA 200.8	05/14/04	1627	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/14/04	1627	MS
Boron	0.06	mg/L		0.01	EPA 200.7	05/12/04	0934	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/14/04	1627	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0934	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/14/04	1627	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/12/04	0934	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1627	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	05/12/04	0934	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1627	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0934	MH
Selenium	0.338	mg/L		0.005	EPA 200.8	05/14/04	1627	MS
Uranium	0.125	mg/L		0.0001	EPA 200.8	05/14/04	1627	MS
Vanadium	0.1	mg/L		0.1	EPA 200.8	05/14/04	1627	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0934	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: MW07
Lab ID: 0104W07387
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.9	s.u.			0.1	EPA 150.1	05/12/04	1621	JG
Lab Conductivity @ 25°C	1,470	µmhos/cm			5	SM 2510 B	05/12/04	1621	JG
Total Dissolved Solids @ 180°C	1,050	mg/L			10	SM 2540 C	05/12/04	1000	SH
Total Dissolved Solids(Calc)	990	mg/L			10	SM 1030 F.	05/18/04	1501	
Total Alkalinity as CaCO3	535	mg/L			1.0	SM 2320 B	05/12/04	1621	JG
Total Hardness as CaCO3	248	mg/L			1.0	SM 2340 B	05/12/04	0938	
Ammonia Nitrogen	0.3	mg/L			0.1	EPA 350.1	05/17/04	1444	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/11/04	2138	RM
Radium 226	549±21	pCi/L			0.2	SM 7500 Ra-B	05/23/04	1426	TP
Silica as SiO2	3.8	mg/L			0.1	EPA 200.7	05/12/04	0938	MH
Sodium Adsorption Ratio	7.9				N/A	Calculations	05/12/04	0938	
Anions									
Bicarbonate as HCO3	652	mg/L	10.69	meq/L	1.0	SM 2320 B	05/12/04	1621	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1621	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1621	JG
Chloride	24.2	mg/L	0.68	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	05/12/04	1621	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/12/04	1637	RM
Sulfate	265	mg/L	5.51	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Cations									
Calcium	74.4	mg/L	3.71	meq/L	1.0	EPA 200.7	05/12/04	0938	MH
Magnesium	15.2	mg/L	1.25	meq/L	1.0	EPA 200.7	05/12/04	0938	MH
Potassium	5.6	mg/L	0.14	meq/L	1.0	EPA 200.7	05/12/04	0938	MH
Sodium	285	mg/L	12.40	meq/L	0.2	EPA 200.7	05/12/04	0938	MH
Cations			17.50	meq/L	N/A	SM 1030 F.	05/12/04	0938	
Anions			16.90	meq/L	N/A	SM 1030 F.	05/18/04	1501	
Cation/Anion Balance			1.74	%	N/A	SM 1030 F.	05/12/04	0938	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen A Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: MW07
Lab ID: 0104W07387
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/12/04	0938	MH
Arsenic	0.020	mg/L		0.005	EPA 200.8	05/14/04	1630	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/14/04	1630	MS
Boron	0.06	mg/L		0.01	EPA 200.7	05/12/04	0938	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/14/04	1630	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0938	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/14/04	1630	MS
Iron	0.26	mg/L		0.05	EPA 200.7	05/12/04	0938	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1630	MS
Manganese	0.38	mg/L		0.02	EPA 200.7	05/12/04	0938	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1630	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0938	MH
Selenium	1.69	mg/L		0.005	EPA 200.8	05/14/04	1630	MS
Uranium	3.90	mg/L		0.0001	EPA 200.8	05/14/04	1630	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	05/14/04	1630	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0938	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BA48-1
Lab ID: 0104W07388
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.3	s.u.			0.1	EPA 150.1	05/12/04	1632	JG
Lab Conductivity @ 25°C	253	µmhos/cm			5	SM 2510 B	05/12/04	1632	JG
Total Dissolved Solids @ 180°C	180	mg/L			10	SM 2540 C	05/12/04	1000	SH
Total Dissolved Solids(Calc)	160	mg/L			10	SM 1030 F.	05/18/04	1502	
Total Alkalinity as CaCO3	116	mg/L			1.0	SM 2320 B	05/12/04	1632	JG
Total Hardness as CaCO3	19.5	mg/L			1.0	SM 2340 B	05/12/04	0951	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	05/17/04	1444	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/11/04	2138	RM
Radium 226	67.5±7.4	pCi/L			0.2	SM 7500 Ra-B	05/23/04	1426	TP
Silica as SiO2	1.6	mg/L			0.1	EPA 200.7	05/12/04	0951	MH
Sodium Adsorption Ratio	5.4				N/A	Calculations	05/12/04	0951	
Anions									
Bicarbonate as HCO3	142	mg/L	2.32	meq/L	1.0	SM 2320 B	05/12/04	1632	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1632	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/12/04	1632	JG
Chloride	2.0	mg/L	0.06	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	05/12/04	1632	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/12/04	1638	RM
Sulfate	22.0	mg/L	0.46	meq/L	1.0	EPA 300.0	05/12/04	0833	LK
Cations									
Calcium	6.0	mg/L	0.30	meq/L	1.0	EPA 200.7	05/12/04	0951	MH
Magnesium	1.1	mg/L	0.09	meq/L	1.0	EPA 200.7	05/12/04	0951	MH
Potassium	1.4	mg/L	0.03	meq/L	1.0	EPA 200.7	05/12/04	0951	MH
Sodium	55.2	mg/L	2.40	meq/L	0.2	EPA 200.7	05/12/04	0951	MH
Cations			2.82	meq/L	N/A	SM 1030 F.	05/12/04	0951	
Anions			2.86	meq/L	N/A	SM 1030 F.	05/18/04	1502	
Cation/Anion Balance			0.70	%	N/A	SM 1030 F.	05/12/04	0951	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen A Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407376

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BA48-1
Lab ID: 0104W07388
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 05/25/04
Date Sampled: 05/10/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/12/04	0951	MH
Arsenic	0.006	mg/L		0.005	EPA 200.8	05/14/04	1632	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/14/04	1632	MS
Boron	0.05	mg/L		0.01	EPA 200.7	05/12/04	0951	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/14/04	1632	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0951	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/14/04	1632	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/12/04	0951	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1632	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	05/12/04	0951	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/14/04	1632	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0951	MH
Selenium	0.069	mg/L		0.005	EPA 200.8	05/14/04	1632	MS
Uranium	0.525	mg/L		0.0001	EPA 200.8	05/14/04	1632	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	05/14/04	1632	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/12/04	0951	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 5-11-04 Received by [signature] Date 5-11 17:0

Restoration Sample Description
Location: ___ Irigaray X Christensen Mine or Production Unit _____ Module # (if applicale) _____

Restoration Phase: ___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
X Stabilization (explain MU15 3rd Round)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : Tom nicholson

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Lab id.	Comments
1	5BG46-1	5-11-04	Half Gal.	X		X		7422	
			Quart	X				"	
			8 ozs.		X			"	
			8 ozs.	X			X	"	
2	5BJ54-1		**	**	**	**	**	7423d	
3	5BJ62-1		**	**	**	**	**	7424	
4	5BN162-2		**	**	**	**	**	7425	
5	5BH59-2		**	**	**	**	**	7426	
6	5BN194-1		**	**	**	**	**	7427	
7	5BS120-1		**	**	**	**	**	7428	
8	5BL66-1		**	**	**	**	**	~~74~~ ML 7429	
9	5BQ158-1		**	**	**	**	**	7430	
10	5BK82-1		**	**	**	**	**	7431	
11	5BL76-1		**	**	**	**	**	7432	
12	5BT138-1		**	**	**	**	**	7433d	
13	5BD50-1		**	**	**	**	**	~~7434~~ ML deleted	
14			**	**	**	**	**		
15			**	**	**	**	**		

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1
L:\LARRY\[pvdsub.xls]pvdsub

* sample in set #7376 5B50-1 = #7384 in that set

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BG46-1
Lab ID: 0104W07422
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.1	s.u.			0.1	EPA 150.1	05/13/04	0435	JG
Lab Conductivity @ 25°C	373	µmhos/cm			1	SM 2510 B	05/13/04	0435	JG
Total Dissolved Solids @ 180°C	240	mg/L			10	SM 2540 C	05/13/04	0830	SH
Total Dissolved Solids(Calc)	230	mg/L			10	SM 1030 F.	05/18/04	1044	
Total Alkalinity as CaCO3	153	mg/L			1.0	SM 2320 B	05/13/04	0435	JG
Total Hardness as CaCO3	36.5	mg/L			1.0	SM 2340 B	05/14/04	1044	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	05/17/04	1506	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/13/04	1039	RM
Radium 226	165±12	pCi/L			0.2	SM 7500 Ra-B	05/27/04	1827	TP
Silica as SiO2	2.4	mg/L			0.1	EPA 200.7	05/14/04	1044	MH
Sodium Adsorption Ratio	5.5				N/A	Calculations	05/18/04	1044	
Anions									
Bicarbonate as HCO3	187	mg/L	3.06	meq/L	1.0	SM 2320 B	05/13/04	0435	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/13/04	0435	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/13/04	0435	JG
Chloride	3.1	mg/L	0.09	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	05/13/04	0435	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/15/04	0001	RM
Sulfate	44.4	mg/L	0.92	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Cations									
Calcium	10.9	mg/L	0.54	meq/L	1.0	EPA 200.7	05/14/04	1044	MH
Magnesium	2.3	mg/L	0.19	meq/L	1.0	EPA 200.7	05/14/04	1044	MH
Potassium	1.7	mg/L	0.04	meq/L	1.0	EPA 200.7	05/14/04	1044	MH
Sodium	77.0	mg/L	3.35	meq/L	0.2	EPA 200.7	05/18/04	1055	MH
Cations			4.12	meq/L	N/A	SM 1030 F.	05/18/04	1044	
Anions			4.08	meq/L	N/A	SM 1030 F.	05/15/04	0001	
Cation/Anion Balance			0.49	%	N/A	SM 1030 F.	05/18/04	1044	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BG46-1
Lab ID: 0104W07422
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/14/04	1044	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	05/17/04	1307	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/17/04	1307	MS
Boron	0.07	mg/L		0.01	EPA 200.7	05/14/04	1044	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/17/04	1307	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1044	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/17/04	1307	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/14/04	1044	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1307	MS
Manganese	0.03	mg/L		0.02	EPA 200.7	05/14/04	1044	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1307	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1044	MH
Selenium	0.108	mg/L		0.005	EPA 200.8	05/17/04	1307	MS
Uranium	0.923	mg/L		0.0001	EPA 200.8	05/17/04	1307	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	05/17/04	1307	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1044	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BJ54-1
Lab ID: 0104W07423
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.8	s.u.			0.1	EPA 150.1	05/13/04	0435	JG
Lab Conductivity @ 25°C	1,060	µmhos/cm			5	SM 2510 B	05/13/04	0435	JG
Total Dissolved Solids @ 180°C	720	mg/L			10	SM 2540 C	05/13/04	0830	SH
Total Dissolved Solids(Calc)	680	mg/L			10	SM 1030 F.	05/15/04	0003	
Total Alkalinity as CaCO3	298	mg/L			1.0	SM 2320 B	05/13/04	0448	JG
Total Hardness as CaCO3	158	mg/L			1.0	SM 2340 B	05/14/04	1047	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	05/17/04	1507	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/13/04	1039	RM
Radium 226	510±22	pCi/L			0.2	SM 7500 Ra-B	05/27/04	1827	TP
Silica as SiO2	3.9	mg/L			0.1	EPA 200.7	05/14/04	1047	MH
Sodium Adsorption Ratio	6.7				N/A	Calculations	05/14/04	1047	
Anions									
Bicarbonate as HCO3	363	mg/L	5.95	meq/L	1.0	SM 2320 B	05/13/04	0448	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/13/04	0448	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/13/04	0448	JG
Chloride	13.9	mg/L	0.39	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	05/13/04	0448	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/15/04	0003	RM
Sulfate	231	mg/L	4.81	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Cations									
Calcium	46.6	mg/L	2.33	meq/L	1.0	EPA 200.7	05/14/04	1047	MH
Magnesium	10.1	mg/L	0.83	meq/L	1.0	EPA 200.7	05/14/04	1047	MH
Potassium	4.1	mg/L	0.11	meq/L	1.0	EPA 200.7	05/14/04	1047	MH
Sodium	193	mg/L	8.41	meq/L	0.2	EPA 200.7	05/18/04	1058	MH
Cations			11.68	meq/L	N/A	SM 1030 F.	05/14/04	1047	
Anions			11.15	meq/L	N/A	SM 1030 F.	05/15/04	0003	
Cation/Anion Balance			2.32	%	N/A	SM 1030 F.	05/18/04	1044	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BJ54-1
Lab ID: 0104W07423
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/14/04	1047	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	05/17/04	1310	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/17/04	1310	MS
Boron	0.07	mg/L		0.01	EPA 200.7	05/14/04	1047	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/17/04	1310	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1047	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/17/04	1310	MS
Iron	0.16	mg/L		0.05	EPA 200.7	05/14/04	1047	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1310	MS
Manganese	0.13	mg/L		0.02	EPA 200.7	05/14/04	1047	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1310	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1047	MH
Selenium	0.132	mg/L		0.005	EPA 200.8	05/17/04	1310	MS
Uranium	1.62	mg/L		0.0001	EPA 200.8	05/17/04	1310	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	05/17/04	1310	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1047	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BJ62-1
Lab ID: 0104W07424
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.0	s.u.			0.1	EPA 150.1	05/13/04	0435	JG
Lab Conductivity @ 25°C	549	µmhos/cm			5	SM 2510 B	05/13/04	0435	JG
Total Dissolved Solids @ 180°C	350	mg/L			10	SM 2540 C	05/13/04	0830	SH
Total Dissolved Solids(Calc)	330	mg/L			10	SM 1030 F.	05/18/04	1054	
Total Alkalinity as CaCO3	219	mg/L			1.0	SM 2320 B	05/13/04	0514	JG
Total Hardness as CaCO3	75.0	mg/L			1.0	SM 2340 B	05/14/04	1054	
Ammonia Nitrogen	0.5	mg/L			0.1	EPA 350.1	05/17/04	1514	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/13/04	1039	RM
Radium 226	47.6±6.6	pCi/L			0.2	SM 7500 Ra-B	05/27/04	1827	TP
Silica as SiO2	2.4	mg/L			0.1	EPA 200.7	05/14/04	1054	MH
Sodium Adsorption Ratio	5.1				N/A	Calculations	05/18/04	1054	
Anions									
Bicarbonate as HCO3	267	mg/L	4.37	meq/L	1.0	SM 2320 B	05/13/04	0514	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/13/04	0514	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/13/04	0514	JG
Chloride	4.6	mg/L	0.13	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	05/13/04	0514	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/15/04	0005	RM
Sulfate	66.2	mg/L	1.38	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Cations									
Calcium	23.1	mg/L	1.15	meq/L	1.0	EPA 200.7	05/14/04	1054	MH
Magnesium	4.3	mg/L	0.35	meq/L	1.0	EPA 200.7	05/14/04	1054	MH
Potassium	2.2	mg/L	0.05	meq/L	1.0	EPA 200.7	05/14/04	1054	MH
Sodium	101	mg/L	4.37	meq/L	0.2	EPA 200.7	05/18/04	1114	MH
Cations			5.92	meq/L	N/A	SM 1030 F.	05/18/04	1054	
Anions			5.88	meq/L	N/A	SM 1030 F.	05/15/04	0005	
Cation/Anion Balance			0.34	%	N/A	SM 1030 F.	05/18/04	1044	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BJ62-1
Lab ID: 0104W07424
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/14/04	1054	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	05/17/04	1315	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/17/04	1315	MS
Boron	0.06	mg/L		0.01	EPA 200.7	05/14/04	1054	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/17/04	1315	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1054	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/17/04	1315	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/14/04	1054	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1315	MS
Manganese	0.05	mg/L		0.02	EPA 200.7	05/14/04	1054	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1315	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1054	MH
Selenium	0.028	mg/L		0.005	EPA 200.8	05/17/04	1315	MS
Uranium	1.43	mg/L		0.0001	EPA 200.8	05/17/04	1315	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	05/17/04	1315	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1054	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BN162-2
Lab ID: 0104W07425
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.2	s.u.			0.1	EPA 150.1	05/13/04	0435	JG
Lab Conductivity @ 25°C	483	µmhos/cm			5	SM 2510 B	05/13/04	0435	JG
Total Dissolved Solids @ 180°C	300	mg/L			10	SM 2540 C	05/13/04	0830	SH
Total Dissolved Solids(Calc)	290	mg/L			10	SM 1030 F.	05/15/04	0006	
Total Alkalinity as CaCO3	174	mg/L			1.0	SM 2320 B	05/13/04	0527	JG
Total Hardness as CaCO3	74.0	mg/L			1.0	SM 2340 B	05/14/04	1107	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	05/17/04	1515	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/13/04	1039	RM
Radium 226	167±12	pCi/L			0.2	SM 7500 Ra-B	05/27/04	1827	TP
Silica as SiO2	1.9	mg/L			0.1	EPA 200.7	05/14/04	1107	MH
Sodium Adsorption Ratio	4.2				N/A	Calculations	05/14/04	1107	
Anions									
Bicarbonate as HCO3	212	mg/L	3.48	meq/L	1.0	SM 2320 B	05/13/04	0527	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/13/04	0527	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/13/04	0527	JG
Chloride	5.5	mg/L	0.15	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	05/13/04	0527	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/15/04	0006	RM
Sulfate	66.5	mg/L	1.39	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Cations									
Calcium	22.5	mg/L	1.12	meq/L	1.0	EPA 200.7	05/14/04	1107	MH
Magnesium	4.3	mg/L	0.36	meq/L	1.0	EPA 200.7	05/14/04	1107	MH
Potassium	2.6	mg/L	0.07	meq/L	1.0	EPA 200.7	05/14/04	1107	MH
Sodium	83.3	mg/L	3.62	meq/L	0.2	EPA 200.7	05/18/04	1117	MH
Cations			5.17	meq/L	N/A	SM 1030 F.	05/14/04	1107	
Anions			5.02	meq/L	N/A	SM 1030 F.	05/15/04	0006	
Cation/Anion Balance			1.47	%	N/A	SM 1030 F.	05/18/04	1044	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BN162-2
Lab ID: 0104W07425
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/14/04	1107	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	05/17/04	1318	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/17/04	1318	MS
Boron	0.07	mg/L		0.01	EPA 200.7	05/14/04	1107	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/17/04	1318	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1107	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/17/04	1318	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/14/04	1107	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1318	MS
Manganese	0.03	mg/L		0.02	EPA 200.7	05/14/04	1107	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1318	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1107	MH
Selenium	0.102	mg/L		0.005	EPA 200.8	05/17/04	1318	MS
Uranium	1.01	mg/L		0.0001	EPA 200.8	05/17/04	1318	MS
Vanadium	0.2	mg/L		0.1	EPA 200.8	05/17/04	1318	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1107	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BH58-2
Lab ID: 0104W07426
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.2	s.u.			0.1	EPA 150.1	05/13/04	0435	JG
Lab Conductivity @ 25°C	548	µmhos/cm			5	SM 2510 B	05/13/04	0435	JG
Total Dissolved Solids @ 180°C	350	mg/L			10	SM 2540 C	05/13/04	0830	SH
Total Dissolved Solids(Calc)	340	mg/L			10	SM 1030 F.	05/15/04	0007	
Total Alkalinity as CaCO3	255	mg/L			1.0	SM 2320 B	05/13/04	0539	JG
Total Hardness as CaCO3	47.0	mg/L			1.0	SM 2340 B	05/14/04	1110	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	05/17/04	1516	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/13/04	1039	RM
Radium 226	352±18	pCi/L			0.2	SM 7500 Ra-B	05/27/04	1827	TP
Silica as SiO2	2.2	mg/L			0.1	EPA 200.7	05/14/04	1110	MH
Sodium Adsorption Ratio	7.5				N/A	Calculations	05/14/04	1110	
Anions									
Bicarbonate as HCO3	298	mg/L	4.88	meq/L	1.0	SM 2320 B	05/13/04	0539	JG
Carbonate as CO3	6.6	mg/L	0.22	meq/L	1.0	SM 2320 B	05/13/04	0539	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/13/04	0539	JG
Chloride	2.6	mg/L	0.07	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	05/13/04	0539	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/15/04	0007	RM
Sulfate	44.3	mg/L	0.92	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Cations									
Calcium	14.1	mg/L	0.70	meq/L	1.0	EPA 200.7	05/14/04	1110	MH
Magnesium	2.9	mg/L	0.24	meq/L	1.0	EPA 200.7	05/14/04	1110	MH
Potassium	2.5	mg/L	0.06	meq/L	1.0	EPA 200.7	05/14/04	1110	MH
Sodium	117	mg/L	5.11	meq/L	0.2	EPA 200.7	05/18/04	1120	MH
Cations			6.11	meq/L	N/A	SM 1030 F.	05/14/04	1110	
Anions			6.10	meq/L	N/A	SM 1030 F.	05/15/04	0007	
Cation/Anion Balance			0.08	%	N/A	SM 1030 F.	05/18/04	1044	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BH58-2
Lab ID: 0104W07426
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/14/04	1110	MH
Arsenic	0.011	mg/L		0.005	EPA 200.8	05/17/04	1321	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/17/04	1321	MS
Boron	0.06	mg/L		0.01	EPA 200.7	05/14/04	1110	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/17/04	1321	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1110	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/17/04	1321	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/14/04	1110	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1321	MS
Manganese	0.03	mg/L		0.02	EPA 200.7	05/14/04	1110	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1321	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1110	MH
Selenium	0.296	mg/L		0.005	EPA 200.8	05/17/04	1321	MS
Uranium	1.67	mg/L		0.0001	EPA 200.8	05/17/04	1321	MS
Vanadium	0.2	mg/L		0.1	EPA 200.8	05/17/04	1321	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1110	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals In Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BN94-1
Lab ID: 0104W07427
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.6	s.u.			0.1	EPA 150.1	05/13/04	0435	JG
Lab Conductivity @ 25°C	597	µmhos/cm			5	SM 2510 B	05/13/04	0435	JG
Total Dissolved Solids @ 180°C	390	mg/L			10	SM 2540 C	05/13/04	0830	SH
Total Dissolved Solids(Calc)	360	mg/L			10	SM 1030 F.	05/15/04	0008	
Total Alkalinity as CaCO3	113	mg/L			1.0	SM 2320 B	05/13/04	0548	JG
Total Hardness as CaCO3	39.0	mg/L			1.0	SM 2340 B	05/14/04	1113	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	05/17/04	1517	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/13/04	1039	RM
Radium 226	7.4±2.3	pCi/L			0.2	SM 7500 Ra-B	05/27/04	1827	TP
Silica as SiO2	2.3	mg/L			0.1	EPA 200.7	05/14/04	1113	MH
Sodium Adsorption Ratio	8.1				N/A	Calculations	05/14/04	1113	
Anions									
Bicarbonate as HCO3	124	mg/L	2.03	meq/L	1.0	SM 2320 B	05/13/04	0548	JG
Carbonate as CO3	6.6	mg/L	0.22	meq/L	1.0	SM 2320 B	05/13/04	0548	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/13/04	0548	JG
Chloride	6.3	mg/L	0.18	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	05/13/04	0548	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/15/04	0008	RM
Sulfate	155	mg/L	3.22	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Cations									
Calcium	12.7	mg/L	0.63	meq/L	1.0	EPA 200.7	05/18/04	1123	MH
Magnesium	1.9	mg/L	0.15	meq/L	1.0	EPA 200.7	05/18/04	1123	MH
Potassium	2.3	mg/L	0.06	meq/L	1.0	EPA 200.7	05/14/04	1113	MH
Sodium	116	mg/L	5.04	meq/L	0.2	EPA 200.7	05/18/04	1123	MH
Cations			5.88	meq/L	N/A	SM 1030 F.	05/14/04	1113	
Anions			5.66	meq/L	N/A	SM 1030 F.	05/15/04	0008	
Cation/Anion Balance			1.91	%	N/A	SM 1030 F.	05/18/04	1044	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BN94-1
Lab ID: 0104W07427
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/14/04	1113	MH
Arsenic	0.021	mg/L		0.005	EPA 200.8	05/17/04	1323	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/17/04	1323	MS
Boron	0.05	mg/L		0.01	EPA 200.7	05/14/04	1113	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/17/04	1323	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1113	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/17/04	1323	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/14/04	1113	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1323	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	05/14/04	1113	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1323	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1113	MH
Selenium	0.679	mg/L		0.005	EPA 200.8	05/17/04	1323	MS
Uranium	0.385	mg/L		0.0001	EPA 200.8	05/17/04	1323	MS
Vanadium	0.1	mg/L		0.1	EPA 200.8	05/17/04	1323	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1113	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: COGEMA Mining,Inc.
P.O. Box 730
Mills, WY 82644

Project: Christensen
Sample ID: 5BS120-1
Lab ID: 0104W07428
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.2	s.u.			0.1	EPA 150.1	05/13/04	0435	JG
Lab Conductivity @ 25°C	712	µmhos/cm			5	SM 2510 B	05/13/04	0435	JG
Total Dissolved Solids @ 180°C	470	mg/L			10	SM 2540 C	05/13/04	0830	SH
Total Dissolved Solids(Calc)	440	mg/L			10	SM 1030 F.	05/15/04	0009	
Total Alkalinity as CaCO3	290	mg/L			1.0	SM 2320 B	05/13/04	0600	JG
Total Hardness as CaCO3	69.0	mg/L			1.0	SM 2340 B	05/14/04	1117	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	05/17/04	1518	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/13/04	1039	RM
Radium 226	58.6±6.2	pCi/L			0.2	SM 7500 Ra-B	05/27/04	1827	TP
Silica as SiO2	3.7	mg/L			0.1	EPA 200.7	05/14/04	1117	MH
Sodium Adsorption Ratio	7.8				N/A	Calculations	05/14/04	1117	
Anions									
Bicarbonate as HCO3	345	mg/L	5.65	meq/L	1.0	SM 2320 B	05/13/04	0600	JG
Carbonate as CO3	4.2	mg/L	0.14	meq/L	1.0	SM 2320 B	05/13/04	0600	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/13/04	0600	JG
Chloride	6.6	mg/L	0.19	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	05/13/04	0600	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/15/04	0009	RM
Sulfate	84.4	mg/L	1.76	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Cations									
Calcium	20.2	mg/L	1.01	meq/L	1.0	EPA 200.7	05/14/04	1117	MH
Magnesium	4.4	mg/L	0.37	meq/L	1.0	EPA 200.7	05/14/04	1117	MH
Potassium	3.2	mg/L	0.08	meq/L	1.0	EPA 200.7	05/14/04	1117	MH
Sodium	149	mg/L	6.49	meq/L	0.2	EPA 200.7	05/18/04	1127	MH
Cations			7.95	meq/L	N/A	SM 1030 F.	05/14/04	1117	
Anions			7.75	meq/L	N/A	SM 1030 F.	05/15/04	0009	
Cation/Anion Balance			1.27	%	N/A	SM 1030 F.	05/18/04	1044	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BS120-1
Lab ID: 0104W07428
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/14/04	1117	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	05/17/04	1326	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/17/04	1326	MS
Boron	0.06	mg/L		0.01	EPA 200.7	05/14/04	1117	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/17/04	1326	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1117	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/17/04	1326	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/14/04	1117	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1326	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	05/14/04	1117	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1326	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1117	MH
Selenium	0.148	mg/L		0.005	EPA 200.8	05/17/04	1326	MS
Uranium	1.60	mg/L		0.0001	EPA 200.8	05/17/04	1326	MS
Vanadium	0.3	mg/L		0.1	EPA 200.8	05/17/04	1326	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1117	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BL66-1
Lab ID: 0104W07429
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.9	s.u.			0.1	EPA 150.1	05/13/04	0435	JG
Lab Conductivity @ 25°C	1,800	µmhos/cm			5	SM 2510 B	05/13/04	0435	JG
Total Dissolved Solids @ 180°C	1,250	mg/L			10	SM 2540 C	05/13/04	0830	SH
Total Dissolved Solids(Calc)	1,190	mg/L			10	SM 1030 F.	05/15/04	0010	
Total Alkalinity as CaCO3	703	mg/L			1.0	SM 2320 B	05/13/04	0614	JG
Total Hardness as CaCO3	306	mg/L			1.0	SM 2340 B	05/14/04	1120	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	05/17/04	1519	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/13/04	1039	RM
Radium 226	308±14	pCi/L			0.2	SM 7500 Ra-B	05/27/04	1827	TP
Silica as SiO2	4.1	mg/L			0.1	EPA 200.7	05/14/04	1120	MH
Sodium Adsorption Ratio	8.2				N/A	Calculations	05/14/04	1120	
Anions									
Bicarbonate as HCO3	858	mg/L	14.06	meq/L	1.0	SM 2320 B	05/13/04	0614	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/13/04	0614	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/13/04	0614	JG
Chloride	25.4	mg/L	0.72	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	05/13/04	0614	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/15/04	0010	RM
Sulfate	292	mg/L	6.08	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Cations									
Calcium	89.5	mg/L	4.47	meq/L	1.0	EPA 200.7	05/14/04	1120	MH
Magnesium	20.1	mg/L	1.65	meq/L	1.0	EPA 200.7	05/14/04	1120	MH
Potassium	6.2	mg/L	0.16	meq/L	1.0	EPA 200.7	05/14/04	1120	MH
Sodium	332	mg/L	14.42	meq/L	0.2	EPA 200.7	05/18/04	1130	MH
Cations			20.70	meq/L	N/A	SM 1030 F.	05/14/04	1120	
Anions			20.86	meq/L	N/A	SM 1030 F.	05/15/04	0010	
Cation/Anion Balance			0.38	%	N/A	SM 1030 F.	05/18/04	1044	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BL66-1
Lab ID: 0104W07429
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/14/04	1120	MH
Arsenic	0.011	mg/L		0.005	EPA 200.8	05/17/04	1328	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/17/04	1328	MS
Boron	0.08	mg/L		0.01	EPA 200.7	05/14/04	1120	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/17/04	1328	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1120	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/17/04	1328	MS
Iron	0.24	mg/L		0.05	EPA 200.7	05/14/04	1120	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1328	MS
Manganese	0.22	mg/L		0.02	EPA 200.7	05/14/04	1120	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1328	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1120	MH
Selenium	0.270	mg/L		0.005	EPA 200.8	05/17/04	1328	MS
Uranium	7.26	mg/L		0.0001	EPA 200.8	05/17/04	1328	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	05/17/04	1328	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1120	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BQ158-1
Lab ID: 0104W07430
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.4	s.u.			0.1	EPA 150.1	05/13/04	1615	JG
Lab Conductivity @ 25°C	804	µmhos/cm			5	SM 2510 B	05/13/04	1615	JG
Total Dissolved Solids @ 180°C	590	mg/L			10	SM 2540 C	05/13/04	0830	SH
Total Dissolved Solids(Calc)	530	mg/L			10	SM 1030 F.	05/19/04	0646	
Total Alkalinity as CaCO3	96.5	mg/L			1.0	SM 2320 B	05/19/04	1023	JG
Total Hardness as CaCO3	44.0	mg/L			1.0	SM 2340 B	05/18/04	1123	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	05/17/04	1520	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/13/04	1039	RM
Radium 226	54.4±5.8	pCi/L			0.2	SM 7500 Ra-B	05/27/04	1827	TP
Silica as SiO2	3.9	mg/L			0.1	EPA 200.7	05/14/04	1123	MH
Sodium Adsorption Ratio	11.3				N/A	Calculations	05/18/04	1123	
Anions									
Bicarbonate as HCO3	118	mg/L	1.93	meq/L	1.0	SM 2320 B	05/19/04	1023	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/19/04	1023	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/19/04	1023	JG
Chloride	5.6	mg/L	0.16	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	05/13/04	1615	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/15/04	0017	RM
Sulfate	271	mg/L	5.65	meq/L	1.0	EPA 300.0	05/19/04	0646	LK
Cations									
Calcium	13.0	mg/L	0.65	meq/L	1.0	EPA 200.7	05/18/04	1133	MH
Magnesium	2.8	mg/L	0.23	meq/L	1.0	EPA 200.7	05/18/04	1133	MH
Potassium	2.6	mg/L	0.07	meq/L	1.0	EPA 200.7	05/18/04	1133	MH
Sodium	173	mg/L	7.51	meq/L	0.2	EPA 200.7	05/18/04	1133	MH
Cations			8.46	meq/L	N/A	SM 1030 F.	05/18/04	1123	
Anions			7.75	meq/L	N/A	SM 1030 F.	05/19/04	0646	
Cation/Anion Balance			4.38 AN	%	N/A	SM 1030 F.	05/18/04	1044	

These results only apply to the samples tested. AN - Analysis repeated with no significant changes.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BQ158-1
Lab ID: 0104W07430
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/14/04	1123	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	05/17/04	1331	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/17/04	1331	MS
Boron	0.06	mg/L		0.01	EPA 200.7	05/14/04	1123	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/17/04	1331	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1123	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/17/04	1331	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/14/04	1123	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1331	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	05/14/04	1123	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1331	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1123	MH
Selenium	0.006	mg/L		0.005	EPA 200.8	05/17/04	1331	MS
Uranium	0.0069	mg/L		0.0001	EPA 200.8	05/17/04	1331	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	05/17/04	1331	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1123	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BK82-1
Lab ID: 0104W07431
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.0	s.u.			0.1	EPA 150.1	05/13/04	1627	JG
Lab Conductivity @ 25°C	642	µmhos/cm			5	SM 2510 B	05/13/04	1627	JG
Total Dissolved Solids @ 180°C	440	mg/L			10	SM 2540 C	05/13/04	0830	SH
Total Dissolved Solids(Calc)	420	mg/L			10	SM 1030 F.	05/15/04	0018	
Total Alkalinity as CaCO3	292	mg/L			1.0	SM 2320 B	05/13/04	1627	JG
Total Hardness as CaCO3	72.5	mg/L			1.0	SM 2340 B	05/14/04	1126	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	05/17/04	1521	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/13/04	1039	RM
Radium 226	47.6±5.8	pCi/L			0.2	SM 7500 Ra-B	05/27/04	1827	TP
Silica as SiO2	3.1	mg/L			0.1	EPA 200.7	05/14/04	1126	MH
Sodium Adsorption Ratio	7.3				N/A	Calculations	05/14/04	1126	
Anions									
Bicarbonate as HCO3	356	mg/L	5.84	meq/L	1.0	SM 2320 B	05/13/04	1627	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/13/04	1627	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/13/04	1627	JG
Chloride	5.8	mg/L	0.16	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	05/13/04	1627	JG
Nitrate + Nitrite as N	0.2	mg/L	0.01	meq/L	0.1	EPA 353.2	05/15/04	0018	RM
Sulfate	69.6	mg/L	1.45	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Cations									
Calcium	21.1	mg/L	1.05	meq/L	1.0	EPA 200.7	05/14/04	1126	MH
Magnesium	4.9	mg/L	0.40	meq/L	1.0	EPA 200.7	05/14/04	1126	MH
Potassium	2.4	mg/L	0.06	meq/L	1.0	EPA 200.7	05/14/04	1126	MH
Sodium	142	mg/L	6.19	meq/L	0.2	EPA 200.7	05/18/04	1137	MH
Cations			7.70	meq/L	N/A	SM 1030 F.	05/14/04	1126	
Anions			7.47	meq/L	N/A	SM 1030 F.	05/15/04	0018	
Cation/Anion Balance			1.52	%	N/A	SM 1030 F.	05/18/04	1044	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BK82-1
Lab ID: 0104W07431
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/14/04	1126	MH
Arsenic	0.028	mg/L		0.005	EPA 200.8	05/17/04	1342	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/17/04	1342	MS
Boron	0.06	mg/L		0.01	EPA 200.7	05/14/04	1126	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/17/04	1342	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1126	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/17/04	1342	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/14/04	1126	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1342	MS
Manganese	0.03	mg/L		0.02	EPA 200.7	05/14/04	1126	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1342	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1126	MH
Selenium	0.382	mg/L		0.005	EPA 200.8	05/17/04	1342	MS
Uranium	1.38	mg/L		0.0001	EPA 200.8	05/17/04	1342	MS
Vanadium	0.4	mg/L		0.1	EPA 200.8	05/17/04	1342	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1126	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BL76-1
Lab ID: 0104W07432
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.0	s.u.			0.1	EPA 150.1	05/13/04	1641	JG
Lab Conductivity @ 25°C	1,840	µmhos/cm			5	SM 2510 B	05/13/04	1641	JG
Total Dissolved Solids @ 180°C	1,340	mg/L			10	SM 2540 C	05/13/04	0830	SH
Total Dissolved Solids(Calc)	1,260	mg/L			10	SM 1030 F.	05/15/04	0019	
Total Alkalinity as CaCO3	679	mg/L			1.0	SM 2320 B	05/13/04	1641	JG
Total Hardness as CaCO3	310	mg/L			1.0	SM 2340 B	05/14/04	1133	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	05/17/04	1522	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/13/04	1039	RM
Radium 226	238±12	pCi/L			0.2	SM 7500 Ra-B	05/27/04	1827	TP
Silica as SIO2	4.5	mg/L			0.1	EPA 200.7	05/14/04	1133	MH
Sodium Adsorption Ratio	9.1				N/A	Calculations	05/14/04	1133	
Anions									
Bicarbonate as HCO3	828	mg/L	13.57	meq/L	1.0	SM 2320 B	05/13/04	1641	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/13/04	1641	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/13/04	1641	JG
Chloride	31.3	mg/L	0.88	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	05/13/04	1641	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/15/04	0019	RM
Sulfate	334	mg/L	6.96	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Cations									
Calcium	94.8	mg/L	4.73	meq/L	1.0	EPA 200.7	05/18/04	1154	MH
Magnesium	17.8	mg/L	1.46	meq/L	1.0	EPA 200.7	05/14/04	1133	MH
Potassium	6.5	mg/L	0.17	meq/L	1.0	EPA 200.7	05/14/04	1133	MH
Sodium	366	mg/L	15.92	meq/L	0.2	EPA 200.7	05/18/04	1154	MH
Cations			22.28	meq/L	N/A	SM 1030 F.	05/14/04	1133	
Anions			21.41	meq/L	N/A	SM 1030 F.	05/15/04	0019	
Cation/Anion Balance			1.99	%	N/A	SM 1030 F.	05/18/04	1044	

These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BL76-1
Lab ID: 0104W07432
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	0.2	mg/L		0.1	EPA 200.7	05/14/04	1133	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	05/17/04	1347	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/17/04	1347	MS
Boron	0.09	mg/L		0.01	EPA 200.7	05/14/04	1133	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/17/04	1347	MS
Chromium	0.01	mg/L		0.01	EPA 200.7	05/14/04	1133	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/17/04	1347	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/14/04	1133	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1347	MS
Manganese	0.03	mg/L		0.02	EPA 200.7	05/14/04	1133	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1347	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1133	MH
Selenium	0.719	mg/L		0.005	EPA 200.8	05/17/04	1347	MS
Uranium	21.7	mg/L		0.0001	EPA 200.8	05/17/04	1347	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	05/17/04	1347	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1133	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten

Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BT138-1
Lab ID: 0104W07433
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.7	s.u.			0.1	EPA 150.1	05/13/04	1651	JG
Lab Conductivity @ 25°C	855	µmhos/cm			5	SM 2510 B	05/13/04	1651	JG
Total Dissolved Solids @ 180°C	570	mg/L			10	SM 2540 C	05/13/04	0830	SH
Total Dissolved Solids(Calc)	520	mg/L			10	SM 1030 F.	05/18/04	1136	
Total Alkalinity as CaCO3	98.5	mg/L			1.0	SM 2320 B	05/13/04	1651	JG
Total Hardness as CaCO3	33.0	mg/L			1.0	SM 2340 B	05/18/04	1136	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	05/26/04	1856	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/13/04	1039	RM
Radium 226	72.6±6.7	pCi/L			0.2	SM 7500 Ra-B	05/27/04	1827	TP
Silica as SiO2	3.7	mg/L			0.1	EPA 200.7	05/14/04	1136	MH
Sodium Adsorption Ratio	13.1				N/A	Calculations	05/18/04	1136	
Anions									
Bicarbonate as HCO3	104	mg/L	1.71	meq/L	1.0	SM 2320 B	05/13/04	1651	JG
Carbonate as CO3	7.8	mg/L	0.26	meq/L	1.0	SM 2320 B	05/13/04	1651	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/13/04	1651	JG
Chloride	5.8	mg/L	0.16	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	05/13/04	1651	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/15/04	0020	RM
Sulfate	262	mg/L	5.45	meq/L	1.0	EPA 300.0	05/13/04	0646	LK
Cations									
Calcium	10.2	mg/L	0.51	meq/L	1.0	EPA 200.7	05/18/04	1157	MH
Magnesium	1.9	mg/L	0.15	meq/L	1.0	EPA 200.7	05/18/04	1157	MH
Potassium	8.8	mg/L	0.23	meq/L	1.0	EPA 200.7	05/18/04	1157	MH
Sodium	173	mg/L	7.53	meq/L	0.2	EPA 200.7	05/18/04	1157	MH
Cations			8.42	meq/L	N/A	SM 1030 F.	05/18/04	1136	
Anions			7.59	meq/L	N/A	SM 1030 F.	05/15/04	0020	
Cation/Anion Balance			5.18 AN	%	N/A	SM 1030 F.	05/18/04	1044	

These results only apply to the samples tested. AN - Analysis repeated with no significant changes.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.
EPA 600/R93/100, "Methods for the Determination of Inorganic Substances in Environmental Samples", Aug. 1993.

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407422

WATER QUALITY REPORT

Client: **COGEMA Mining,Inc.**
P.O. Box 730
Mills, WY 82644

Project: **Christensen**
Sample ID: 5BT138-1
Lab ID: 0104W07433
Matrix: Water
Condition: Cool/Intact

Date Received: 05/11/04
Date Reported: 06/09/04
Date Sampled: 05/11/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/14/04	1136	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	05/17/04	1349	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/17/04	1349	MS
Boron	0.05	mg/L		0.01	EPA 200.7	05/14/04	1136	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/17/04	1349	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1136	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/17/04	1349	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	05/14/04	1136	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1349	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	05/14/04	1136	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/14/04	1024	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/17/04	1349	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1136	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	05/17/04	1349	MS
Uranium	0.0155	mg/L		0.0001	EPA 200.8	05/17/04	1349	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	05/17/04	1349	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/14/04	1136	MH

These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen A Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 5BJ54-1
Lab ID: 0104W07423
Matrix: Water
Condition: Cool/Intact

Report Date: 06/09/04
Receipt Date: 05/11/04
Sample Date: 05/11/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
General Parameters					
Lab pH	7.8	7.8	0	0.1	s.u.
Lab Conductivity @ 25°C	1,060	1,060	0	5	µmhos/cm
Total Dissolved Solids @ 180°C	720	730	1	10	mg/L
Total Dissolved Solids(Calc)	680	680	0	10	mg/L
Total Alkalinity as CaCO3	298	299	0	1.0	mg/L
Total Hardness as CaCO3	158	159	1	1.0	mg/L
Ammonia Nitrogen	0.1	0.1	0.0**	0.1	mg/L
Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Silica as SiO2	3.9	3.9	0	0.1	mg/L
Sodium Adsorption Ratio	6.7	6.7	0		
Anions					
Bicarbonate as HCO3	363	365	1	1.0	mg/L
Carbonate as CO3	<1.0	<1.0	NC*	1.0	mg/L
Hydroxide as OH	<1.0	<1.0	NC*	1.0	mg/L
Chloride	13.9	13.9	0	1.0	mg/L
Fluoride	<0.1	<0.1	NC*	0.1	mg/L
Nitrate + Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Sulfate	231	231	0	1.0	mg/L
Cations					
Calcium	46.6	46.6	0	1.0	mg/L
Magnesium	10.1	10.2	1	1.0	mg/L
Potassium	4.1	4.1	0.0**	1.0	mg/L
Sodium	193	194	1	0.2	mg/L
Cations	11.68	11.74	1		meq/L
Anions	11.15	11.17	0		meq/L
Cation/Anion Balance	2.32	2.49			%

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit
These results only apply to the samples tested.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 5BJ54-1
Lab ID: 0104W07423
Matrix: Water
Condition: Cool/Intact

Report Date: 06/09/04
Receipt Date: 05/11/04
Sample Date: 05/11/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
Dissolved Metals					
Aluminum	<0.1	<0.1	NC*	0.1	mg/L
Arsenic	<0.005	<0.005	NC*	0.005	mg/L
Barium	<0.5	<0.5	NC*	0.5	mg/L
Boron	0.07	0.07	0	0.01	mg/L
Cadmium	<0.002	<0.002	NC*	0.002	mg/L
Chromium	<0.01	<0.01	NC*	0.01	mg/L
Copper	<0.01	<0.01	NC*	0.01	mg/L
Iron	0.16	0.16	0.00**	0.05	mg/L
Lead	<0.02	<0.02	NC*	0.02	mg/L
Manganese	0.13	0.13	0	0.02	mg/L
Mercury	<0.001	<0.001	NC*	0.001	mg/L
Molybdenum	<0.02	<0.02	NC*	0.02	mg/L
Nickel	<0.01	<0.01	NC*	0.01	mg/L
Selenium	0.132	0.126	5	0.005	mg/L
Uranium	1.62	1.51	7	0.0001	mg/L
Vanadium	<0.1	<0.1	NC*	0.1	mg/L
Zinc	<0.01	<0.01	NC*	0.01	mg/L

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit
These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 5BT138-1
Lab ID: 0104W07433
Matrix: Water
Condition: Cool/Intact

Report Date: 06/09/04
Receipt Date: 05/11/04
Sample Date: 05/11/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
General Parameters					
Lab pH	8.7	8.7	0	0.1	s.u.
Lab Conductivity @ 25°C	855	846	1	5	µmhos/cm
Total Dissolved Solids @ 180°C	570	570	0	10	mg/L
Total Dissolved Solids(Calc)	520	520	0	10	mg/L
Total Alkalinity as CaCO3	98.5	98.5	0	1.0	mg/L
Total Hardness as CaCO3	33.0	32.5	2	1.0	mg/L
Ammonia Nitrogen	0.2	0.2	0.0**	0.1	mg/L
Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Silica as SiO2	3.7	3.7	0	0.1	mg/L
Sodium Adsorption Ratio	13.1	13.2	1		
Anions					
Bicarbonate as HCO3	104	104	0	1.0	mg/L
Carbonate as CO3	7.8	7.8	0	1.0	mg/L
Hydroxide as OH	<1.0	<1.0	NC*	1.0	mg/L
Chloride	5.8	5.8	0	1.0	mg/L
Fluoride	0.2	0.2	0.0**	0.1	mg/L
Nitrate + Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Sulfate	262	261	0	1.0	mg/L
Cations					
Calcium	10.2	10.2	0	1.0	mg/L
Magnesium	1.9	1.7	0.2**	1.0	mg/L
Potassium	8.8	8.8	0	1.0	mg/L
Sodium	173	173	0	0.2	mg/L
Cations	8.42	8.42	0		meq/L
Anions	7.59	7.58	0		meq/L
Cation/Anion Balance	5.18	5.25 AN			%

*NC - Non-Calculable RPD due to value(s) less than DL ** - Difference used for results < 5 X Detection Limit
These results only apply to the samples tested. AN - Analysis repeated with no significant changes.

Reference: U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
"Standard Methods For The Examination of Water and Wastewater", 19th ed., 1995.
U.S.E.P.A 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1993.

Reviewed By: Karen Barten
Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 5BT138-1
Lab ID: 0104W07433
Matrix: Water
Condition: Cool/Intact

Report Date: 06/09/04
Receipt Date: 05/11/04
Sample Date: 05/11/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
Dissolved Metals					
Aluminum	<0.1	<0.1	NC*	0.1	mg/L
Arsenic	<0.005	<0.005	NC*	0.005	mg/L
Barium	<0.5	<0.5	NC*	0.5	mg/L
Boron	0.05	0.06	18	0.01	mg/L
Cadmium	<0.002	<0.002	NC*	0.002	mg/L
Chromium	<0.01	<0.01	NC*	0.01	mg/L
Copper	<0.01	<0.01	NC*	0.01	mg/L
Iron	<0.05	<0.05	NC*	0.05	mg/L
Lead	<0.02	<0.02	NC*	0.02	mg/L
Manganese	<0.02	<0.02	NC*	0.02	mg/L
Mercury	<0.001	<0.001	NC*	0.001	mg/L
Molybdenum	<0.02	<0.02	NC*	0.02	mg/L
Nickel	<0.01	<0.01	NC*	0.01	mg/L
Selenium	<0.005	<0.005	NC*	0.005	mg/L
Uranium	0.0155	0.0181	15	0.0001	mg/L
Vanadium	<0.1	<0.1	NC*	0.1	mg/L
Zinc	<0.01	<0.01	NC*	0.01	mg/L

*NC - Non-Calculable RPD due to value(s) less than DL
These results only apply to the samples tested.

Reference: EPA 600/R94/111, "Methods for the Determination of Metals in Environmental Samples-Supplement I", May 1994

Reviewed By: Karen Barten
Karen Barten, Project Manager

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by_____ Date_____ Received by [signature] Date 8-12 17:00

Restoration Sample Description
Location: ___ Irigaray ___ Christensen Mine or Production Unit _____ Module # (if applicale) _____

Restoration Phase: ___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
___ Stabilization (explain M.U. 5 Round 4)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : Tom nicholson

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X)				Comments
				Filtered	Not Filt.	HNO3	H2SO4	
1	5BK83-1	8-12-04	Half Gal.	X		X		
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	5BW93-1		**	**	**	**	**	
3	5BT138-1		**	**	**	**	**	
4	MW-03		**	**	**	**	**	
5	5BW162-2		**	**	**	**	**	
6	5BW76-1		**	**	**	**	**	
7	5BS120-1		**	**	**	**	**	
8	5BQ158-1		**	**	**	**	**	
9	5BL66-1		**	**	**	**	**	
10	AP02		**	**	**	**	**	
11	5AB68-1		**	**	**	**	**	
12			**	**	**	**	**	
13			**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1

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SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by_____ Date_____ Received by [signature] Date 8-12-04 17:00

Restoration Sample Description
Location: ___ Irigaray ___ Christensen Mine or Production Unit _____ Module # (if applicale) _____ Temp 19°

Restoration Phase: ___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
___ Stabilization (explain_____)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : Tom nicholson

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X)				Comments
				Filtered	Not Filt.	HNO3	H2SO4	
1	5BK82-1	8-12-04	Half Gal.	X		X		08147-001
			Quart	X				"
			8 ozs.		X			"
			8 ozs.	X			X	"
2	5BN92-1		**	**	**	**	**	002
3	5BT139-1		**	**	**	**	**	003
4	MW-03		**	**	**	**	**	004
5	5BN162-2		**	**	**	**	**	005
6	5BN76-1		**	**	**	**	**	006
7	5BS120-1		**	**	**	**	**	007
8	5BQ158-1		**	**	**	**	**	008
9	5BL66-1		**	**	**	**	**	009
10	AP02		**	**	**	**	**	010
11	5AG68-1		**	**	**	**	**	011
12			**	**	**	**	**	
13			**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1 L:\LARRY\[pvdsub.xls]pvdsub

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-001
Client Sample ID 5BK82-1
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	08/13/2004 1634 JG	EPA 150.1
Electrical Conductivity	821	5		µmhos/cm	08/13/2004 1634 JG	SM 2510B
Total Dissolved Solids (180)	490	10		mg/L	08/13/2004 1110 KA	SM 2540
Solids, Total Dissolved (Calc)	470	10		mg/L	09/01/2004 1240 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	322	5		mg/L	08/13/2004 1634 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	88	1		mg/L	09/01/2004 1240 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/20/2004 2229 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/13/2004 1528 RM	EPA 353.2
Silica as SiO2	7.6	0.1		mg/L	08/16/2004 910 MH	EPA 200.7
Radium 226	89.2±6.6	0.2		pCi/L	08/20/2004 1847 JN	SM 7500
Sodium Adsorption Ratio	6.8	0.1			09/01/2004 1240 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	393	5		mg/L	08/13/2004 1634 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/13/2004 1634 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/13/2004 1634 JG	SM 2320B
Chloride	7	1		mg/L	08/13/2004 1548 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	08/13/2004 1634 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	0.30	0.05		mg/L	08/17/2004 1204 RM	EPA 353.2
Sulfate	85	1		mg/L	08/13/2004 1548 LK	EPA 300.0
Cations						
Calcium	26	1		mg/L	08/16/2004 910 MH	EPA 200.7
Magnesium	6	1		mg/L	08/16/2004 910 MH	EPA 200.7
Potassium	3	1		mg/L	08/16/2004 910 MH	EPA 200.7
Sodium	147	1		mg/L	08/16/2004 910 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen A Carter for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-001
Client Sample ID 5BK82-1
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	6.43	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Chloride	0.18	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Nitrate + Nitrite as N	0.02	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sulfate	1.76	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Calcium	1.28	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Magnesium	0.46	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Potassium	0.07	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sodium	6.39	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	8.22	0		meq/L	09/01/2004 1240 JG	SM 1030F
Anion Sum	8.41	0		meq/L	09/01/2004 1240 JG	SM 1030F
Cation-Anion Balance	1.14	0		%	09/01/2004 1240 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 910 MH	EPA 200.7
Arsenic	0.029	0.005		mg/L	08/13/2004 1445 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/13/2004 1445 MS	EPA 200.8
Boron	0.08	0.01		mg/L	08/16/2004 910 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/13/2004 1445 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 910 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/13/2004 1445 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 910 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/13/2004 1445 MS	EPA 200.8
Manganese	0.05	0.02		mg/L	08/16/2004 910 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/20/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/13/2004 1445 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 910 MH	EPA 200.7
Selenium	0.393	0.005		mg/L	08/13/2004 1445 MS	EPA 200.8
Uranium	1.60	0.0001		mg/L	08/13/2004 1445 MS	EPA 200.8
Vanadium	0.37	0.02		mg/L	08/13/2004 1445 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 910 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen A Banks for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-002
Client Sample ID 5BN92-1
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.4	0.1		s.u.	08/13/2004 1643 JG	EPA 150.1
Electrical Conductivity	687	5		µmhos/cm	08/13/2004 1643 JG	SM 2510B
Total Dissolved Solids (180)	420	10		mg/L	08/13/2004 1115 KA	SM 2540
Solids, Total Dissolved (Calc)	370	10		mg/L	09/01/2004 1240 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	114	5		mg/L	08/13/2004 1643 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	44	1		mg/L	09/01/2004 1240 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/20/2004 2230 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/13/2004 1529 RM	EPA 353.2
Silica as SiO2	5.4	0.1		mg/L	08/16/2004 918 MH	EPA 200.7
Radium 226	16.6±2.9	0.2		pCi/L	08/20/2004 1847 JN	SM 7500
Sodium Adsorption Ratio	7.4	0.1			09/01/2004 1240 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	135	5		mg/L	08/13/2004 1643 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/13/2004 1643 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/13/2004 1643 JG	SM 2320B
Chloride	7	1		mg/L	08/13/2004 1602 LK	EPA 300.0
Fluoride	0.1	0.1		mg/L	08/13/2004 1643 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1205 RM	EPA 353.2
Sulfate	166	1		mg/L	08/13/2004 1602 LK	EPA 300.0
Cations						
Calcium	14	1		mg/L	08/16/2004 918 MH	EPA 200.7
Magnesium	2	1		mg/L	08/16/2004 918 MH	EPA 200.7
Potassium	3	1		mg/L	08/16/2004 918 MH	EPA 200.7
Sodium	112	1		mg/L	08/16/2004 918 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen A Banks for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-002
Client Sample ID 5BN92-1
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.22	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Carbonate as CO3	0.06	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Chloride	0.18	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sulfate	3.45	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Calcium	0.68	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Magnesium	0.19	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Potassium	0.06	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sodium	4.87	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	5.82	0		meq/L	09/01/2004 1240 JG	SM 1030F
Anion Sum	5.93	0		meq/L	09/01/2004 1240 JG	SM 1030F
Cation-Anion Balance	0.97	0		%	09/01/2004 1240 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 918 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	08/13/2004 1453 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/13/2004 1453 MS	EPA 200.8
Boron	0.05	0.01		mg/L	08/16/2004 918 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/13/2004 1453 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 918 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/13/2004 1453 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 918 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/13/2004 1453 MS	EPA 200.8
Manganese	ND	0.02		mg/L	08/16/2004 918 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/20/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/13/2004 1453 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 918 MH	EPA 200.7
Selenium	0.584	0.005		mg/L	08/13/2004 1453 MS	EPA 200.8
Uranium	0.345	0.0001		mg/L	08/13/2004 1453 MS	EPA 200.8
Vanadium	0.11	0.02		mg/L	08/13/2004 1453 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 918 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen A Bank for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-003
Client Sample ID 5BT138-1
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.4	0.1		s.u.	08/13/2004 1653 JG	EPA 150.1
Electrical Conductivity	929	5		µmhos/cm	08/13/2004 1653 JG	SM 2510B
Total Dissolved Solids (180)	570	10		mg/L	08/13/2004 1120 KA	SM 2540
Solids, Total Dissolved (Calc)	530	10		mg/L	09/01/2004 1240 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	99	5		mg/L	08/13/2004 1653 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	37	1		mg/L	09/01/2004 1240 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/20/2004 2231 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/13/2004 1530 RM	EPA 353.2
Silica as SiO2	8.4	0.1		mg/L	08/16/2004 922 MH	EPA 200.7
Radium 226	48.4±5.0	0.2		pCi/L	08/20/2004 1847 JN	SM 7500
Sodium Adsorption Ratio	11.5	0.1			09/01/2004 1240 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	114	5		mg/L	08/13/2004 1653 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/13/2004 1653 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/13/2004 1653 JG	SM 2320B
Chloride	6	1		mg/L	08/13/2004 1615 LK	EPA 300.0
Fluoride	0.1	0.1		mg/L	08/13/2004 1653 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1206 RM	EPA 353.2
Sulfate	283	1		mg/L	08/13/2004 1615 LK	EPA 300.0
Cations						
Calcium	11	1		mg/L	08/24/2004 855 MH	EPA 200.7
Magnesium	2	1		mg/L	08/24/2004 855 MH	EPA 200.7
Potassium	10	1		mg/L	08/16/2004 922 MH	EPA 200.7
Sodium	162	1		mg/L	08/24/2004 855 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Bauer for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-003
Client Sample ID 5BT138-1
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.87	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Carbonate as CO3	0.10	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Chloride	0.16	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sulfate	5.88	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Calcium	0.57	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Magnesium	0.17	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Potassium	0.25	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sodium	7.03	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	8.03	0		meq/L	09/01/2004 1240 JG	SM 1030F
Anion Sum	8.03	0		meq/L	09/01/2004 1240 JG	SM 1030F
Cation-Anion Balance	0.01	0		%	09/01/2004 1240 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 922 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	08/13/2004 1456 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/13/2004 1456 MS	EPA 200.8
Boron	0.06	0.01		mg/L	08/16/2004 922 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/13/2004 1456 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 922 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/13/2004 1456 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 922 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/13/2004 1456 MS	EPA 200.8
Manganese	ND	0.02		mg/L	08/16/2004 922 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/20/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/13/2004 1456 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 922 MH	EPA 200.7
Selenium	ND	0.005		mg/L	08/13/2004 1456 MS	EPA 200.8
Uranium	0.0088	0.0001		mg/L	08/13/2004 1456 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	08/13/2004 1456 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 922 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Sabler for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-004
Client Sample ID MW-03
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.1	0.1		s.u.	08/13/2004 1704 JG	EPA 150.1
Electrical Conductivity	509	5		µmhos/cm	08/13/2004 1704 JG	SM 2510B
Total Dissolved Solids (180)	310	10		mg/L	08/13/2004 1125 KA	SM 2540
Solids, Total Dissolved (Calc)	280	10		mg/L	09/01/2004 1240 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	172	5		mg/L	08/13/2004 1704 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	36	1		mg/L	09/01/2004 1240 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/20/2004 2232 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/13/2004 1531 RM	EPA 353.2
Silica as SiO2	5.0	0.1		mg/L	08/16/2004 925 MH	EPA 200.7
Radium 226	31.6±4.2	0.2		pCi/L	08/20/2004 1847 JN	SM 7500
Sodium Adsorption Ratio	7.0	0.1			09/01/2004 1240 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	210	5		mg/L	08/13/2004 1704 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/13/2004 1704 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/13/2004 1704 JG	SM 2320B
Chloride	3	1		mg/L	08/13/2004 1628 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	08/13/2004 1704 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1207 RM	EPA 353.2
Sulfate	62	1		mg/L	08/13/2004 1628 LK	EPA 300.0
Cations						
Calcium	11	1		mg/L	08/24/2004 859 MH	EPA 200.7
Magnesium	2	1		mg/L	08/24/2004 859 MH	EPA 200.7
Potassium	2	1		mg/L	08/24/2004 859 MH	EPA 200.7
Sodium	96	1		mg/L	08/24/2004 859 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Arbanke for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-004
Client Sample ID MW-03
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.44	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Chloride	0.09	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sulfate	1.29	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Calcium	0.55	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Magnesium	0.15	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Potassium	0.04	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sodium	4.16	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	4.92	0		meq/L	09/01/2004 1240 JG	SM 1030F
Anion Sum	4.84	0		meq/L	09/01/2004 1240 JG	SM 1030F
Cation-Anion Balance	0.88	0		%	09/01/2004 1240 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 925 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	08/13/2004 1459 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/13/2004 1459 MS	EPA 200.8
Boron	0.06	0.01		mg/L	08/16/2004 925 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/13/2004 1459 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 925 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/13/2004 1459 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 925 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/13/2004 1459 MS	EPA 200.8
Manganese	ND	0.02		mg/L	08/16/2004 925 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/20/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/13/2004 1459 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 925 MH	EPA 200.7
Selenium	1.58*	0.005		mg/L	08/13/2004 1459 MS	EPA 200.8
Uranium	1.19	0.0001		mg/L	08/13/2004 1459 MS	EPA 200.8
Vanadium	0.16	0.02		mg/L	08/13/2004 1459 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 925 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen A Banta for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-005
Client Sample ID 5BN162-2
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.2	0.1		s.u.	08/13/2004 1718 JG	EPA 150.1
Electrical Conductivity	795	5		µmhos/cm	08/13/2004 1718 JG	SM 2510B
Total Dissolved Solids (180)	480	10		mg/L	08/13/2004 1130 KA	SM 2540
Solids, Total Dissolved (Calc)	440	10		mg/L	09/01/2004 1240 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	243	5		mg/L	08/13/2004 1718 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	139	1		mg/L	09/01/2004 1240 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/20/2004 2233 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/13/2004 1532 RM	EPA 353.2
Silica as SiO2	4.7	0.1		mg/L	08/16/2004 944 MH	EPA 200.7
Radium 226	299±12	0.2		pCi/L	08/20/2004 1847 JN	SM 7500
Sodium Adsorption Ratio	3.9	0.1			09/01/2004 1240 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	297	5		mg/L	08/13/2004 1718 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/13/2004 1718 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/13/2004 1718 JG	SM 2320B
Chloride	8	1		mg/L	08/13/2004 1642 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	08/13/2004 1718 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1208 RM	EPA 353.2
Sulfate	123	1		mg/L	08/13/2004 1642 LK	EPA 300.0
Cations						
Calcium	43	1		mg/L	08/16/2004 944 MH	EPA 200.7
Magnesium	8	1		mg/L	08/16/2004 944 MH	EPA 200.7
Potassium	4	1		mg/L	08/16/2004 944 MH	EPA 200.7
Sodium	105	1		mg/L	08/16/2004 944 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen A Banks for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-005
Client Sample ID 5BN162-2
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.86	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Chloride	0.23	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sulfate	2.55	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Calcium	2.12	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Magnesium	0.64	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Potassium	0.09	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sodium	4.58	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	7.45	0		meq/L	09/01/2004 1240 JG	SM 1030F
Anion Sum	7.65	0		meq/L	09/01/2004 1240 JG	SM 1030F
Cation-Anion Balance	1.31	0		%	09/01/2004 1240 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 944 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	08/13/2004 1501 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/13/2004 1501 MS	EPA 200.8
Boron	0.07	0.01		mg/L	08/16/2004 944 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/13/2004 1501 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 944 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/13/2004 1501 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 944 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/13/2004 1501 MS	EPA 200.8
Manganese	0.07	0.02		mg/L	08/16/2004 944 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/20/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/13/2004 1501 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 944 MH	EPA 200.7
Selenium	0.084	0.005		mg/L	08/13/2004 1501 MS	EPA 200.8
Uranium	2.08	0.0001		mg/L	08/13/2004 1501 MS	EPA 200.8
Vanadium	0.15	0.02		mg/L	08/13/2004 1501 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 944 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Bank for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-006
Client Sample ID 5BL76-1
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	08/13/2004 1733 JG	EPA 150.1
Electrical Conductivity	2180	5		µmhos/cm	08/13/2004 1733 JG	SM 2510B
Total Dissolved Solids (180)	1460	10		mg/L	08/13/2004 1140 KA	SM 2540
Solids, Total Dissolved (Calc)	1380	10		mg/L	09/01/2004 1240 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	770	5		mg/L	08/13/2004 1733 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	356	1		mg/L	09/01/2004 1240 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/20/2004 2234 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/13/2004 1533 RM	EPA 353.2
Silica as SiO2	11	0.1		mg/L	08/16/2004 948 MH	EPA 200.7
Radium 226	205±10	0.2		pCi/L	08/20/2004 1847 JN	SM 7500
Sodium Adsorption Ratio	8.5	0.1			09/01/2004 1240 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	939	5		mg/L	08/13/2004 1733 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/13/2004 1733 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/13/2004 1733 JG	SM 2320B
Chloride	34	1		mg/L	08/16/2004 951 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	08/13/2004 1733 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	0.50	0.05		mg/L	08/17/2004 1209 RM	EPA 353.2
Sulfate	376	1		mg/L	08/16/2004 951 LK	EPA 300.0
Cations						
Calcium	109	1		mg/L	08/16/2004 948 MH	EPA 200.7
Magnesium	20	1		mg/L	08/16/2004 948 MH	EPA 200.7
Potassium	9	1		mg/L	08/16/2004 948 MH	EPA 200.7
Sodium	368	1		mg/L	08/16/2004 948 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: _____
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-006
Client Sample ID 5BL76-1
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	15.40	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Chloride	0.96	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Nitrate + Nitrite as N	0.03	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sulfate	7.82	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Calcium	5.46	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Magnesium	1.66	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Potassium	0.21	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sodium	16.02	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	23.36	0		meq/L	09/01/2004 1240 JG	SM 1030F
Anion Sum	24.21	0		meq/L	09/01/2004 1240 JG	SM 1030F
Cation-Anion Balance	1.78	0		%	09/01/2004 1240 JG	SM 1030F
Dissolved Metals						
Aluminum	0.3	0.1		mg/L	08/16/2004 948 MH	EPA 200.7
Arsenic	0.020	0.005		mg/L	08/13/2004 1504 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/13/2004 1504 MS	EPA 200.8
Boron	0.10	0.01		mg/L	08/16/2004 948 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/13/2004 1504 MS	EPA 200.8
Chromium	0.02	0.01		mg/L	08/16/2004 948 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/13/2004 1504 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 948 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/13/2004 1504 MS	EPA 200.8
Manganese	0.04	0.02		mg/L	08/16/2004 948 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/20/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/13/2004 1504 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 948 MH	EPA 200.7
Selenium	2.97	0.005		mg/L	08/13/2004 1504 MS	EPA 200.8
Uranium	14.8	0.0001		mg/L	08/13/2004 1504 MS	EPA 200.8
Vanadium	0.09	0.02		mg/L	08/13/2004 1504 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 948 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Wade A Nieuwsma for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-007
Client Sample ID 5BS120-1
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.2	0.1		s.u.	08/13/2004 1744 JG	EPA 150.1
Electrical Conductivity	938	5		µmhos/cm	08/13/2004 1744 JG	SM 2510B
Total Dissolved Solids (180)	560	10		mg/L	08/13/2004 1145 KA	SM 2540
Solids, Total Dissolved (Calc)	540	10		mg/L	09/01/2004 1240 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	334	5		mg/L	08/13/2004 1744 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	107	1		mg/L	09/01/2004 1240 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/20/2004 2235 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/13/2004 1534 RM	EPA 353.2
Silica as SiO2	8.9	0.1		mg/L	08/16/2004 951 MH	EPA 200.7
Radium 226	110.1±8.0	0.2		pCi/L	08/21/2004 817 JN	SM 7500
Sodium Adsorption Ratio	6.8	0.1			09/01/2004 1240 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	408	5		mg/L	08/13/2004 1744 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/13/2004 1744 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/13/2004 1744 JG	SM 2320B
Chloride	9	1		mg/L	08/16/2004 1005 LK	EPA 300.0
Fluoride	0.1	0.1		mg/L	08/13/2004 1744 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1210 RM	EPA 353.2
Sulfate	124	1		mg/L	08/16/2004 1005 LK	EPA 300.0
Cations						
Calcium	32	1		mg/L	08/24/2004 902 MH	EPA 200.7
Magnesium	7	1		mg/L	08/24/2004 902 MH	EPA 200.7
Potassium	4	1		mg/L	08/16/2004 951 MH	EPA 200.7
Sodium	161	1		mg/L	08/24/2004 902 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Barker for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-007
Client Sample ID 5BS120-1
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	6.69	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Chloride	0.26	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sulfate	2.57	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Calcium	1.57	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Magnesium	0.55	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Potassium	0.10	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sodium	7.01	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	9.24	0		meq/L	09/01/2004 1240 JG	SM 1030F
Anion Sum	9.53	0		meq/L	09/01/2004 1240 JG	SM 1030F
Cation-Anion Balance	1.53	0		%	09/01/2004 1240 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 951 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	08/13/2004 1507 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/13/2004 1507 MS	EPA 200.8
Boron	0.07	0.01		mg/L	08/16/2004 951 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/13/2004 1507 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 951 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/13/2004 1507 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 951 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/13/2004 1507 MS	EPA 200.8
Manganese	ND	0.02		mg/L	08/16/2004 951 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/20/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/13/2004 1507 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 951 MH	EPA 200.7
Selenium	0.098	0.005		mg/L	08/13/2004 1507 MS	EPA 200.8
Uranium	1.77	0.0001		mg/L	08/13/2004 1507 MS	EPA 200.8
Vanadium	0.24	0.02		mg/L	08/13/2004 1507 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 951 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Wade for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-008
Client Sample ID 5BQ158-1
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.4	0.1		s.u.	08/13/2004 1753 JG	EPA 150.1
Electrical Conductivity	934	5		µmhos/cm	08/13/2004 1753 JG	SM 2510B
Total Dissolved Solids (180)	570	10		mg/L	08/13/2004 1150 KA	SM 2540
Solids, Total Dissolved (Calc)	540	10		mg/L	09/01/2004 1240 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	96	5		mg/L	08/13/2004 1753 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	48	1		mg/L	09/01/2004 1240 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/20/2004 2242 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/13/2004 1535 RM	EPA 353.2
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/13/2004 1536 RM	EPA 353.2
Silica as SiO2	8.7	0.1		mg/L	08/16/2004 955 MH	EPA 200.7
Radium 226	72.2±6.4	0.2		pCi/L	08/21/2004 817 JN	SM 7500
Sodium Adsorption Ratio	10.3	0.1			09/01/2004 1240 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	114	5		mg/L	08/13/2004 1753 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/13/2004 1753 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/13/2004 1753 JG	SM 2320B
Chloride	6	1		mg/L	08/16/2004 1018 LK	EPA 300.0
Fluoride	0.1	0.1		mg/L	08/13/2004 1753 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1212 RM	EPA 353.2
Sulfate	292	1		mg/L	08/16/2004 1018 LK	EPA 300.0
Cations						
Calcium	14	1		mg/L	08/24/2004 906 MH	EPA 200.7
Magnesium	3	1		mg/L	08/24/2004 906 MH	EPA 200.7
Potassium	3	1		mg/L	08/24/2004 906 MH	EPA 200.7
Sodium	163	1		mg/L	08/24/2004 906 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-008
Client Sample ID 5BQ158-1
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.87	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Carbonate as CO3	0.05	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Chloride	0.16	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sulfate	6.08	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Calcium	0.70	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Magnesium	0.25	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Potassium	0.07	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sodium	7.09	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	8.12	0		meq/L	09/01/2004 1240 JG	SM 1030F
Anion Sum	8.18	0		meq/L	09/01/2004 1240 JG	SM 1030F
Cation-Anion Balance	0.34	0		%	09/01/2004 1240 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 955 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	08/13/2004 1509 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/13/2004 1509 MS	EPA 200.8
Boron	0.05	0.01		mg/L	08/16/2004 955 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/13/2004 1509 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 955 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/13/2004 1509 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 955 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/13/2004 1509 MS	EPA 200.8
Manganese	ND	0.02		mg/L	08/16/2004 955 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/20/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/13/2004 1509 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 955 MH	EPA 200.7
Selenium	ND	0.005		mg/L	08/13/2004 1509 MS	EPA 200.8
Uranium	0.0073	0.0001		mg/L	08/13/2004 1509 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	08/13/2004 1509 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 955 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-009
Client Sample ID 5BL66-1
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	08/13/2004 1808 JG	EPA 150.1
Electrical Conductivity	1950	5		µmhos/cm	08/13/2004 1808 JG	SM 2510B
Total Dissolved Solids (180)	1240	10		mg/L	08/13/2004 1155 KA	SM 2540
Solids, Total Dissolved (Calc)	1190	10		mg/L	09/01/2004 1240 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	690	5		mg/L	08/13/2004 1808 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	299	1		mg/L	09/01/2004 1240 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/20/2004 2243 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/13/2004 1542 RM	EPA 353.2
Silica as SiO2	9.4	0.1		mg/L	08/16/2004 959 MH	EPA 200.7
Radium 226	331±14	0.2		pCi/L	08/21/2004 817 JN	SM 7500
Sodium Adsorption Ratio	8.1	0.1			09/01/2004 1240 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	842	5		mg/L	08/13/2004 1808 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/13/2004 1808 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/13/2004 1808 JG	SM 2320B
Chloride	26	1		mg/L	08/16/2004 1031 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	08/13/2004 1808 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1213 RM	EPA 353.2
Sulfate	310	1		mg/L	08/16/2004 1031 LK	EPA 300.0
Cations						
Calcium	88	1		mg/L	08/16/2004 959 MH	EPA 200.7
Magnesium	20	1		mg/L	08/16/2004 959 MH	EPA 200.7
Potassium	7	1		mg/L	08/16/2004 959 MH	EPA 200.7
Sodium	321	1		mg/L	08/16/2004 959 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen A Bauder for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-009
Client Sample ID 5BL66-1
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	13.80	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Chloride	0.74	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sulfate	6.45	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Calcium	4.37	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Magnesium	1.60	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Potassium	0.18	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sodium	13.96	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	20.13	0		meq/L	09/01/2004 1240 JG	SM 1030F
Anion Sum	20.99	0		meq/L	09/01/2004 1240 JG	SM 1030F
Cation-Anion Balance	2.09	0		%	09/01/2004 1240 JG	SM 1030F
Dissolved Metals						
Aluminum	0.1	0.1		mg/L	08/16/2004 959 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	08/13/2004 1520 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/13/2004 1520 MS	EPA 200.8
Boron	0.08	0.01		mg/L	08/16/2004 959 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/13/2004 1520 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 959 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/13/2004 1520 MS	EPA 200.8
Iron	0.08	0.05		mg/L	08/16/2004 959 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/13/2004 1520 MS	EPA 200.8
Manganese	0.22	0.02		mg/L	08/16/2004 959 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/20/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/13/2004 1520 MS	EPA 200.8
Nickel	0.01	0.01		mg/L	08/16/2004 959 MH	EPA 200.7
Selenium	0.238	0.005		mg/L	08/13/2004 1520 MS	EPA 200.8
Uranium	5.44	0.0001		mg/L	08/13/2004 1520 MS	EPA 200.8
Vanadium	0.08	0.02		mg/L	08/13/2004 1520 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 959 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: _____
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-010
Client Sample ID AP02
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	08/13/2004 1820 JG	EPA 150.1
Electrical Conductivity	1020	5		µmhos/cm	08/13/2004 1820 JG	SM 2510B
Total Dissolved Solids (180)	620	10		mg/L	08/13/2004 1200 KA	SM 2540
Solids, Total Dissolved (Calc)	580	10		mg/L	09/01/2004 1240 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	226	5		mg/L	08/13/2004 1820 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	92	1		mg/L	09/01/2004 1240 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/20/2004 2244 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/13/2004 1543 RM	EPA 353.2
Silica as SiO2	6.4	0.1		mg/L	08/16/2004 1003 MH	EPA 200.7
Radium 226	45.7±5.2	0.2		pCi/L	08/21/2004 817 JN	SM 7500
Sodium Adsorption Ratio	7.9	0.1			09/01/2004 1240 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	276	5		mg/L	08/13/2004 1820 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/13/2004 1820 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/13/2004 1820 JG	SM 2320B
Chloride	8	1		mg/L	08/16/2004 1044 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	08/13/2004 1820 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1214 RM	EPA 353.2
Sulfate	227	1		mg/L	08/31/2004 916 LK	EPA 300.0
Cations						
Calcium	27	1		mg/L	08/24/2004 910 MH	EPA 200.7
Magnesium	6	1		mg/L	08/24/2004 910 MH	EPA 200.7
Potassium	4	1		mg/L	08/24/2004 910 MH	EPA 200.7
Sodium	174	1		mg/L	08/24/2004 910 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: _____
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-010
Client Sample ID AP02
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.37	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Carbonate as CO3	0.15	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Chloride	0.21	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sulfate	4.72	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Calcium	1.36	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Magnesium	0.47	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Potassium	0.09	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sodium	7.55	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	9.48	0		meq/L	09/01/2004 1240 JG	SM 1030F
Anion Sum	9.47	0		meq/L	09/01/2004 1240 JG	SM 1030F
Cation-Anion Balance	0.04	0		%	09/01/2004 1240 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 1003 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	08/13/2004 1522 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/13/2004 1522 MS	EPA 200.8
Boron	0.05	0.01		mg/L	08/16/2004 1003 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/13/2004 1522 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 1003 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/13/2004 1522 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 1003 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/13/2004 1522 MS	EPA 200.8
Manganese	0.02	0.02		mg/L	08/16/2004 1003 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/20/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/13/2004 1522 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 1003 MH	EPA 200.7
Selenium	0.020	0.005		mg/L	08/13/2004 1522 MS	EPA 200.8
Uranium	0.491	0.0001		mg/L	08/13/2004 1522 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	08/13/2004 1522 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 1003 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen A Bonde for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-011
Client Sample ID 5AG68-1
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.1	0.1		s.u.	08/13/2004 1833 JG	EPA 150.1
Electrical Conductivity	331	5		µmhos/cm	08/13/2004 1833 JG	SM 2510B
Total Dissolved Solids (180)	190	10		mg/L	08/13/2004 1205 KA	SM 2540
Solids, Total Dissolved (Calc)	180	10		mg/L	09/01/2004 1240 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	123	5		mg/L	08/13/2004 1833 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	39	1		mg/L	09/01/2004 1240 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/20/2004 2245 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/13/2004 1544 RM	EPA 353.2
Silica as SiO2	3.4	0.1		mg/L	08/16/2004 1006 MH	EPA 200.7
Radium 226	77.9±6.9	0.2		pCi/L	08/21/2004 817 JN	SM 7500
Sodium Adsorption Ratio	3.7	0.1			09/01/2004 1240 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	150	5		mg/L	08/13/2004 1833 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/13/2004 1833 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/13/2004 1833 JG	SM 2320B
Chloride	3	1		mg/L	08/16/2004 1058 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	08/13/2004 1833 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1221 RM	EPA 353.2
Sulfate	36	1		mg/L	08/16/2004 1058 LK	EPA 300.0
Cations						
Calcium	12	1		mg/L	08/24/2004 913 MH	EPA 200.7
Magnesium	2	1		mg/L	08/24/2004 913 MH	EPA 200.7
Potassium	2	1		mg/L	08/24/2004 913 MH	EPA 200.7
Sodium	54	1		mg/L	08/24/2004 913 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Wade Nieuwsma
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408147001

Project: Cogema Christensen Mine
Lab ID: S0408147-011
Client Sample ID 5AG68-1
Matrix: Water

Work Order: S0408147
Collection Date: 8/12/2004
Date Received: 8/12/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.46	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Chloride	0.08	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sulfate	0.73	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Calcium	0.59	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Magnesium	0.18	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Potassium	0.05	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Sodium	2.32	0.01		meq/L	09/01/2004 1240 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	3.16	0		meq/L	09/01/2004 1240 JG	SM 1030F
Anion Sum	3.28	0		meq/L	09/01/2004 1240 JG	SM 1030F
Cation-Anion Balance	1.95	0		%	09/01/2004 1240 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 1006 MH	EPA 200.7
Arsenic	0.005	0.005		mg/L	08/13/2004 1525 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/13/2004 1525 MS	EPA 200.8
Boron	0.04	0.01		mg/L	08/16/2004 1006 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/13/2004 1525 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 1006 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/13/2004 1525 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 1006 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/13/2004 1525 MS	EPA 200.8
Manganese	0.02	0.02		mg/L	08/16/2004 1006 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/20/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/13/2004 1525 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 1006 MH	EPA 200.7
Selenium	0.296	0.005		mg/L	08/13/2004 1525 MS	EPA 200.8
Uranium	0.537	0.0001		mg/L	08/13/2004 1525 MS	EPA 200.8
Vanadium	0.23	0.02		mg/L	08/13/2004 1525 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 1006 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Reader for
Wade Nieuwsma, Water Lab Supervisor

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [illegible] Date 8-11-04 Received by [illegible] Date 8-11-04 17:15

Restoration Sample Description
Location: ___ Irigaray _X_ Christensen Mine or Production Unit 5 Module # (if applicale) _____

Restoration Phase: ___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
_X_ Stabilization (explain MW5 / Round 4)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : Tom nicholson

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Comments
1	5AW66-1	8-11-04	Half Gal.	X		X		
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	5AM78-2		**	**	**	**	**	
3	5AE80-1		**	**	**	**	**	
4	5AP54-1		**	**	**	**	**	
5	5AQ74-1		**	**	**	**	**	
6	5BG46-1		**	**	**	**	**	
7	5BJ62-1		**	**	**	**	**	
8	TW0001		**	**	**	**	**	
9	MW07		**	**	**	**	**	
10	5BK58-1		**	**	**	**	**	
11	5BA48-1		**	**	**	**	**	
12	5BD50-1		**	**	**	**	**	
13	5BH58-2		**	**	**	**	**	
14	5BJ54-1		**	**	**	**	**	
15			**	**	**	**	**	

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1 L:\LARRY\[pvdsub.xls]pvdsub

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

17°C

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 8-11-04 Received by [signature] Date 8-11-04 17:15

Restoration Sample Description

Location: ___ Irigaray _✓_ Christensen Mine or Production Unit _5_ Module # (if applicale) _____

Restoration Phase: ___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
_X_ Stabilization (explain MW5 / Rainwater)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : Tom nicholson

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Lab id	Comments
1	5AW66-1	8-11-04	Half Gal.	X		X		08139-001	
			Quart	X					
			8 ozs.		X				
			8 ozs.	X			X		
2	5AM78-2		**	**	**	**	**		-002
3	5AE80-1		**	**	**	**	**		-003
4	5AP54-1		**	**	**	**	**		-004
5	5AD74-1		**	**	**	**	**		-005
6	5BG46-1		**	**	**	**	**		006
7	5BJ62-1		**	**	**	**	**		007
8	TW0001		**	**	**	**	**		008
9	MW07		**	**	**	**	**		009
10	5BK58-1		**	**	**	**	**		010
11	5BA48-1		**	**	**	**	**		011
12	5BD50-1		**	**	**	**	**		012
13	5BH58-2		**	**	**	**	**		013
14	5BJ54-1		**	**	**	**	**		014
15			**	**	**	**	**		~~015~~ ML

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1 L:\LARRY\[pvdsub.xls]pvdsub

Inter·Mountain Laboratories, Inc.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-001
Client Sample ID 5AL66-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	08/12/2004 1615 JG	EPA 150.1
Electrical Conductivity	1320	5		µmhos/cm	08/12/2004 1615 JG	SM 2510B
Total Dissolved Solids (180)	830	10		mg/L	08/13/2004 940 KA	SM 2540
Solids, Total Dissolved (Calc)	770	10		mg/L	09/01/2004 1642 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	477	5		mg/L	08/12/2004 1615 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	204	1		mg/L	09/01/2004 1642 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/13/2004 1208 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/12/2004 1116 RM	EPA 353.2
Silica as SiO2	6.1	0.1		mg/L	08/16/2004 719 MH	EPA 200.7
Radium 226	256±12	0.2		pCi/L	08/18/2004 2204 JN	SM 7500
Sodium Adsorption Ratio	6.5	0.1			09/01/2004 1642 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	582	5		mg/L	08/12/2004 1615 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/12/2004 1615 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/12/2004 1615 JG	SM 2320B
Chloride	21	1		mg/L	08/13/2004 1029 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	08/12/2004 1615 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	0.07	0.05		mg/L	08/17/2004 1114 RM	EPA 353.2
Sulfate	175	1		mg/L	08/13/2004 1029 LK	EPA 300.0
Cations						
Calcium	61	1		mg/L	08/16/2004 719 MH	EPA 200.7
Magnesium	13	1		mg/L	08/16/2004 719 MH	EPA 200.7
Potassium	5	1		mg/L	08/16/2004 719 MH	EPA 200.7
Sodium	213	1		mg/L	08/16/2004 719 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Baata for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-001
Client Sample ID 5AL66-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	9.53	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Chloride	0.59	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sulfate	3.64	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Calcium	3.02	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Magnesium	1.05	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Potassium	0.12	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sodium	9.28	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	13.48	0		meq/L	09/01/2004 1642 JG	SM 1030F
Anion Sum	13.78	0		meq/L	09/01/2004 1642 JG	SM 1030F
Cation-Anion Balance	1.08	0		%	09/01/2004 1642 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 719 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	08/12/2004 1547 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/12/2004 1547 MS	EPA 200.8
Boron	0.08	0.01		mg/L	08/16/2004 719 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/12/2004 1547 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 719 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/12/2004 1547 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 719 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/12/2004 1547 MS	EPA 200.8
Manganese	0.14	0.02		mg/L	08/16/2004 719 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/13/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/12/2004 1547 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 719 MH	EPA 200.7
Selenium	0.811	0.005		mg/L	08/12/2004 1547 MS	EPA 200.8
Uranium	2.13	0.0001		mg/L	08/12/2004 1547 MS	EPA 200.8
Vanadium	0.10	0.02		mg/L	08/12/2004 1547 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 719 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Baule for
Wade Nieuwsma, Water Lab Supervisor

Inter-Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-002
Client Sample ID 5AM78-2
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	08/12/2004 1628 JG	EPA 150.1
Electrical Conductivity	840	5		µmhos/cm	08/12/2004 1628 JG	SM 2510B
Total Dissolved Solids (180)	520	10		mg/L	08/13/2004 945 KA	SM 2540
Solids, Total Dissolved (Calc)	480	10		mg/L	09/01/2004 1642 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	249	5		mg/L	08/12/2004 1628 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	102	1		mg/L	09/01/2004 1642 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/13/2004 1209 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/12/2004 1117 RM	EPA 353.2
Silica as SiO2	7.8	0.1		mg/L	08/16/2004 726 MH	EPA 200.7
Radium 226	525±17	0.2		pCi/L	08/18/2004 2204 JN	SM 7500
Sodium Adsorption Ratio	6.0	0.1			09/01/2004 1642 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	304	5		mg/L	08/12/2004 1628 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/12/2004 1628 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/12/2004 1628 JG	SM 2320B
Chloride	12	1		mg/L	08/13/2004 1122 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	08/12/2004 1628 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1115 RM	EPA 353.2
Sulfate	140	1		mg/L	08/13/2004 1122 LK	EPA 300.0
Cations						
Calcium	30	1		mg/L	08/24/2004 818 MH	EPA 200.7
Magnesium	7	1		mg/L	08/24/2004 818 MH	EPA 200.7
Potassium	3	1		mg/L	08/24/2004 818 MH	EPA 200.7
Sodium	140	1		mg/L	08/24/2004 818 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Barber for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-002
Client Sample ID 5AM78-2
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.98	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Chloride	0.34	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sulfate	2.92	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Calcium	1.51	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Magnesium	0.53	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Potassium	0.07	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sodium	6.09	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	8.21	0		meq/L	09/01/2004 1642 JG	SM 1030F
Anion Sum	8.25	0		meq/L	09/01/2004 1642 JG	SM 1030F
Cation-Anion Balance	0.27	0		%	09/01/2004 1642 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 726 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	08/12/2004 1503 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/12/2004 1503 MS	EPA 200.8
Boron	0.08	0.01		mg/L	08/16/2004 726 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/12/2004 1503 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 726 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/12/2004 1503 MS	EPA 200.8
Iron	0.09	0.05		mg/L	08/16/2004 726 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/12/2004 1503 MS	EPA 200.8
Manganese	0.09	0.02		mg/L	08/16/2004 726 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/13/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/12/2004 1503 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 726 MH	EPA 200.7
Selenium	0.166	0.005		mg/L	08/12/2004 1503 MS	EPA 200.8
Uranium	1.28	0.0001		mg/L	08/12/2004 1503 MS	EPA 200.8
Vanadium	0.06	0.02		mg/L	08/12/2004 1503 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 726 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen A Dunbar for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-003
Client Sample ID 5AE80-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	08/12/2004 1643 JG	EPA 150.1
Electrical Conductivity	1820	5		µmhos/cm	08/12/2004 1643 JG	SM 2510B
Total Dissolved Solids (180)	1190	10		mg/L	08/13/2004 950 KA	SM 2540
Solids, Total Dissolved (Calc)	1120	10		mg/L	09/01/2004 1642 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	575	5		mg/L	08/12/2004 1643 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	320	1		mg/L	09/01/2004 1642 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/13/2004 1210 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/12/2004 1118 RM	EPA 353.2
Silica as SiO2	9.8	0.1		mg/L	08/16/2004 733 MH	EPA 200.7
Radium 226	327±13	0.2		pCi/L	08/18/2004 2204 JN	SM 7500
Sodium Adsorption Ratio	7.0	0.1			09/01/2004 1642 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	702	5		mg/L	08/12/2004 1643 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/12/2004 1643 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/12/2004 1643 JG	SM 2320B
Chloride	35	1		mg/L	08/13/2004 1136 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	08/12/2004 1643 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1116 RM	EPA 353.2
Sulfate	323	1		mg/L	08/13/2004 1136 LK	EPA 300.0
Cations						
Calcium	99	1		mg/L	08/16/2004 733 MH	EPA 200.7
Magnesium	18	1		mg/L	08/16/2004 733 MH	EPA 200.7
Potassium	7	1		mg/L	08/16/2004 733 MH	EPA 200.7
Sodium	289	1		mg/L	08/16/2004 733 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: _____
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-003
Client Sample ID 5AE80-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	11.50	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Chloride	0.97	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sulfate	6.71	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Calcium	4.93	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Magnesium	1.46	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Potassium	0.18	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sodium	12.56	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	19.15	0		meq/L	09/01/2004 1642 JG	SM 1030F
Anion Sum	19.19	0		meq/L	09/01/2004 1642 JG	SM 1030F
Cation-Anion Balance	0.10	0		%	09/01/2004 1642 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 733 MH	EPA 200.7
Arsenic	0.011	0.005		mg/L	08/12/2004 1505 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/12/2004 1505 MS	EPA 200.8
Boron	0.09	0.01		mg/L	08/16/2004 733 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/12/2004 1505 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 733 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/12/2004 1505 MS	EPA 200.8
Iron	0.66	0.05		mg/L	08/16/2004 733 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/12/2004 1505 MS	EPA 200.8
Manganese	0.31	0.02		mg/L	08/16/2004 733 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/13/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/12/2004 1505 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 733 MH	EPA 200.7
Selenium	0.084	0.005		mg/L	08/12/2004 1505 MS	EPA 200.8
Uranium	1.79	0.0001		mg/L	08/12/2004 1505 MS	EPA 200.8
Vanadium	0.14	0.02		mg/L	08/12/2004 1505 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 733 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Wade for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-004
Client Sample ID 5AP54-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.1	0.1		s.u.	08/12/2004 1656 JG	EPA 150.1
Electrical Conductivity	1320	5		µmhos/cm	08/12/2004 1656 JG	SM 2510B
Total Dissolved Solids (180)	830	10		mg/L	08/13/2004 955 KA	SM 2540
Solids, Total Dissolved (Calc)	780	10		mg/L	09/01/2004 1642 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	481	5		mg/L	08/12/2004 1656 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	224	1		mg/L	09/01/2004 1642 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/13/2004 1211 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/12/2004 1119 RM	EPA 353.2
Silica as SiO2	7.8	0.1		mg/L	08/16/2004 737 MH	EPA 200.7
Radium 226	361±14	0.2		pCi/L	08/18/2004 1758 JN	SM 7500
Sodium Adsorption Ratio	6.0	0.1			09/01/2004 1642 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	587	5		mg/L	08/12/2004 1656 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/12/2004 1656 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/12/2004 1656 JG	SM 2320B
Chloride	22	1		mg/L	08/13/2004 1149 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	08/12/2004 1656 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1117 RM	EPA 353.2
Sulfate	177	1		mg/L	08/13/2004 1149 LK	EPA 300.0
Cations						
Calcium	68	1		mg/L	08/16/2004 737 MH	EPA 200.7
Magnesium	13	1		mg/L	08/16/2004 737 MH	EPA 200.7
Potassium	6	1		mg/L	08/16/2004 737 MH	EPA 200.7
Sodium	206	1		mg/L	08/16/2004 737 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Bade for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-004
Client Sample ID 5AP54-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	9.62	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Chloride	0.62	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sulfate	3.69	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Calcium	3.40	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Magnesium	1.06	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Potassium	0.14	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sodium	8.95	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	13.58	0		meq/L	09/01/2004 1642 JG	SM 1030F
Anion Sum	13.93	0		meq/L	09/01/2004 1642 JG	SM 1030F
Cation-Anion Balance	1.28	0		%	09/01/2004 1642 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 737 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	08/12/2004 1508 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/12/2004 1508 MS	EPA 200.8
Boron	0.08	0.01		mg/L	08/16/2004 737 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/12/2004 1508 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 737 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/12/2004 1508 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 737 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/12/2004 1508 MS	EPA 200.8
Manganese	0.11	0.02		mg/L	08/16/2004 737 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/13/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/12/2004 1508 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 737 MH	EPA 200.7
Selenium	0.399	0.005		mg/L	08/12/2004 1508 MS	EPA 200.8
Uranium	4.55	0.0001		mg/L	08/12/2004 1508 MS	EPA 200.8
Vanadium	0.18	0.02		mg/L	08/12/2004 1508 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 737 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen A Baker for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-005
Client Sample ID 5AO74-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	08/12/2004 1707 JG	EPA 150.1
Electrical Conductivity	335	5		µmhos/cm	08/12/2004 1707 JG	SM 2510B
Total Dissolved Solids (180)	210	10		mg/L	08/13/2004 1000 KA	SM 2540
Solids, Total Dissolved (Calc)	190	10		mg/L	09/01/2004 1642 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	118	5		mg/L	08/12/2004 1707 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	24	1		mg/L	09/01/2004 1642 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/13/2004 1212 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/12/2004 1120 RM	EPA 353.2
Silica as SiO2	7.4	0.1		mg/L	08/16/2004 741 MH	EPA 200.7
Radium 226	30.8±4.1	0.2		pCi/L	08/18/2004 1758 JN	SM 7500
Sodium Adsorption Ratio	5.6	0.1			09/01/2004 1642 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	144	5		mg/L	08/12/2004 1707 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/12/2004 1707 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/12/2004 1707 JG	SM 2320B
Chloride	2	1		mg/L	08/31/2004 823 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	08/12/2004 1707 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1118 RM	EPA 353.2
Sulfate	45	1		mg/L	08/13/2004 1202 LK	EPA 300.0
Cations						
Calcium	7	1		mg/L	08/16/2004 741 MH	EPA 200.7
Magnesium	1	1		mg/L	08/16/2004 741 MH	EPA 200.7
Potassium	1	1		mg/L	08/16/2004 741 MH	EPA 200.7
Sodium	63	1		mg/L	08/16/2004 741 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: for
Wade Nieuwsma, Water Lab Supervisor

Inter-Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-005
Client Sample ID 5AO74-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.36	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Chloride	0.06	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sulfate	0.93	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Calcium	0.36	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Magnesium	0.10	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Potassium	0.03	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sodium	2.72	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	3.22	0		meq/L	09/01/2004 1642 JG	SM 1030F
Anion Sum	3.37	0		meq/L	09/01/2004 1642 JG	SM 1030F
Cation-Anion Balance	2.29	0		%	09/01/2004 1642 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 741 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	08/12/2004 1511 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/12/2004 1511 MS	EPA 200.8
Boron	0.06	0.01		mg/L	08/16/2004 741 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/12/2004 1511 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 741 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/12/2004 1511 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 741 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/12/2004 1511 MS	EPA 200.8
Manganese	ND	0.02		mg/L	08/16/2004 741 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/13/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/12/2004 1511 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 741 MH	EPA 200.7
Selenium	0.013	0.005		mg/L	08/12/2004 1511 MS	EPA 200.8
Uranium	0.180	0.0001		mg/L	08/12/2004 1511 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	08/12/2004 1511 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 741 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Kane Hoole for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-006
Client Sample ID 5BG46-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.2	0.1		s.u.	08/12/2004 1718 JG	EPA 150.1
Electrical Conductivity	443	5		µmhos/cm	08/12/2004 1718 JG	SM 2510B
Total Dissolved Solids (180)	260	10		mg/L	08/13/2004 1005 KA	SM 2540
Solids, Total Dissolved (Calc)	240	10		mg/L	09/01/2004 1642 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	163	5		mg/L	08/12/2004 1718 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	40	1		mg/L	09/01/2004 1642 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/13/2004 1213 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/12/2004 1121 RM	EPA 353.2
Silica as SiO2	5.7	0.1		mg/L	08/16/2004 745 MH	EPA 200.7
Radium 226	122±7.6	0.2		pCi/L	08/18/2004 1758 JN	SM 7500
Sodium Adsorption Ratio	5.2	0.1			09/01/2004 1642 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	199	5		mg/L	08/12/2004 1718 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/12/2004 1718 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/12/2004 1718 JG	SM 2320B
Chloride	3	1		mg/L	08/31/2004 837 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	08/12/2004 1718 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1120 RM	EPA 353.2
Sulfate	48	1		mg/L	08/13/2004 1216 LK	EPA 300.0
Cations						
Calcium	12	1		mg/L	08/24/2004 825 MH	EPA 200.7
Magnesium	2	1		mg/L	08/24/2004 825 MH	EPA 200.7
Potassium	2	1		mg/L	08/24/2004 825 MH	EPA 200.7
Sodium	75	1		mg/L	08/24/2004 825 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Hoch for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-006
Client Sample ID 5BG46-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.26	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Chloride	0.09	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sulfate	0.98	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Calcium	0.59	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Magnesium	0.19	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Potassium	0.04	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sodium	3.27	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	4.10	0		meq/L	09/01/2004 1642 JG	SM 1030F
Anion Sum	4.35	0		meq/L	09/01/2004 1642 JG	SM 1030F
Cation-Anion Balance	2.86	0		%	09/01/2004 1642 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 745 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	08/12/2004 1513 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/12/2004 1513 MS	EPA 200.8
Boron	0.06	0.01		mg/L	08/16/2004 745 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/12/2004 1513 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 745 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/12/2004 1513 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 745 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/12/2004 1513 MS	EPA 200.8
Manganese	0.03	0.02		mg/L	08/16/2004 745 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/13/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/12/2004 1513 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 745 MH	EPA 200.7
Selenium	0.085	0.005		mg/L	08/12/2004 1513 MS	EPA 200.8
Uranium	0.822	0.0001		mg/L	08/12/2004 1513 MS	EPA 200.8
Vanadium	0.03	0.02		mg/L	08/12/2004 1513 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 745 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Bowle for
Wade Nieuwsma, Water Lab Supervisor

Inter-Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-007
Client Sample ID 5BJ62-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.2	0.1		s.u.	08/12/2004 1729 JG	EPA 150.1
Electrical Conductivity	621	5		µmhos/cm	08/12/2004 1729 JG	SM 2510B
Total Dissolved Solids (180)	370	10		mg/L	08/13/2004 1010 KA	SM 2540
Solids, Total Dissolved (Calc)	330	10		mg/L	09/01/2004 1642 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	218	5		mg/L	08/12/2004 1729 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	80	1		mg/L	09/01/2004 1642 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/13/2004 1214 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/12/2004 1122 RM	EPA 353.2
Silica as SiO2	5.8	0.1		mg/L	08/16/2004 748 MH	EPA 200.7
Radium 226	66.1±5.7	0.2		pCi/L	08/18/2004 1758 JN	SM 7500
Sodium Adsorption Ratio	4.6	0.1			09/01/2004 1642 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	266	5		mg/L	08/12/2004 1729 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/12/2004 1729 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/12/2004 1729 JG	SM 2320B
Chloride	5	1		mg/L	08/13/2004 1229 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	08/12/2004 1729 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1121 RM	EPA 353.2
Sulfate	71	1		mg/L	08/13/2004 1229 LK	EPA 300.0
Cations						
Calcium	25	1		mg/L	08/16/2004 748 MH	EPA 200.7
Magnesium	4	1		mg/L	08/16/2004 748 MH	EPA 200.7
Potassium	2	1		mg/L	08/16/2004 748 MH	EPA 200.7
Sodium	95	1		mg/L	08/16/2004 748 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Baker for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-007
Client Sample ID 5BJ62-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.36	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Chloride	0.13	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sulfate	1.47	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Calcium	1.23	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Magnesium	0.36	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Potassium	0.05	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sodium	4.13	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	5.78	0		meq/L	09/01/2004 1642 JG	SM 1030F
Anion Sum	5.99	0		meq/L	09/01/2004 1642 JG	SM 1030F
Cation-Anion Balance	1.73	0		%	09/01/2004 1642 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 748 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	08/12/2004 1516 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/12/2004 1516 MS	EPA 200.8
Boron	0.06	0.01		mg/L	08/16/2004 748 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/12/2004 1516 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 748 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/12/2004 1516 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 748 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/12/2004 1516 MS	EPA 200.8
Manganese	0.06	0.02		mg/L	08/16/2004 748 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/13/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/12/2004 1516 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 748 MH	EPA 200.7
Selenium	0.018	0.005		mg/L	08/12/2004 1516 MS	EPA 200.8
Uranium	1.47	0.0001		mg/L	08/12/2004 1516 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	08/12/2004 1516 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 748 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Bate for
Wade Nieuwsma, Water Lab Supervisor

Inter-Mountain Laboratories, Inc.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-008
Client Sample ID TW0001
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	08/12/2004 1741 JG	EPA 150.1
Electrical Conductivity	271	5		µmhos/cm	08/12/2004 1741 JG	SM 2510B
Total Dissolved Solids (180)	170	10		mg/L	08/13/2004 1020 KA	SM 2540
Solids, Total Dissolved (Calc)	150	10		mg/L	09/01/2004 1642 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	86	5		mg/L	08/12/2004 1741 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	14	1		mg/L	09/01/2004 1642 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/13/2004 1221 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/12/2004 1123 RM	EPA 353.2
Silica as SiO2	8.6	0.1		mg/L	08/16/2004 752 MH	EPA 200.7
Radium 226	60.1±5.5	0.2		pCi/L	08/18/2004 1758 JN	SM 7500
Sodium Adsorption Ratio	5.9	0.1			09/01/2004 1642 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	105	5		mg/L	08/12/2004 1741 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/12/2004 1741 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/12/2004 1741 JG	SM 2320B
Chloride	2	1		mg/L	08/13/2004 1242 LK	EPA 300.0
Fluoride	0.1	0.1		mg/L	08/12/2004 1741 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1122 RM	EPA 353.2
Sulfate	39	1		mg/L	08/13/2004 1242 LK	EPA 300.0
Cations						
Calcium	4	1		mg/L	08/24/2004 829 MH	EPA 200.7
Magnesium	ND	1		mg/L	08/24/2004 829 MH	EPA 200.7
Potassium	1	1		mg/L	08/24/2004 829 MH	EPA 200.7
Sodium	51	1		mg/L	08/24/2004 829 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Baxter for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-008
Client Sample ID TW0001
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.71	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Chloride	0.06	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sulfate	0.80	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Calcium	0.20	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Magnesium	0.07	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Potassium	0.03	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sodium	2.20	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	2.51	0		meq/L	09/01/2004 1642 JG	SM 1030F
Anion Sum	2.60	0		meq/L	09/01/2004 1642 JG	SM 1030F
Cation-Anion Difference	0.08	0		meq/L	09/01/2004 1642 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 752 MH	EPA 200.7
Arsenic	0.010	0.005		mg/L	08/12/2004 1519 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/12/2004 1519 MS	EPA 200.8
Boron	0.07	0.01		mg/L	08/16/2004 752 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/12/2004 1519 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 752 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/12/2004 1519 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 752 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/12/2004 1519 MS	EPA 200.8
Manganese	ND	0.02		mg/L	08/16/2004 752 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/13/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/12/2004 1519 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 752 MH	EPA 200.7
Selenium	0.308	0.005		mg/L	08/12/2004 1519 MS	EPA 200.8
Uranium	0.0582	0.0001		mg/L	08/12/2004 1519 MS	EPA 200.8
Vanadium	0.11	0.02		mg/L	08/12/2004 1519 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 752 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Baxter for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-009
Client Sample ID MW07
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	08/12/2004 1752 JG	EPA 150.1
Electrical Conductivity	1640	5		µmhos/cm	08/12/2004 1752 JG	SM 2510B
Total Dissolved Solids (180)	1040	10		mg/L	08/13/2004 1025 KA	SM 2540
Solids, Total Dissolved (Calc)	980	10		mg/L	09/01/2004 1642 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	547	5		mg/L	08/12/2004 1752 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	260	1		mg/L	09/01/2004 1642 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/13/2004 1222 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/12/2004 1124 RM	EPA 353.2
Silica as SiO2	9.1	0.1		mg/L	08/16/2004 807 MH	EPA 200.7
Radium 226	623±18	0.2		pCi/L	08/18/2004 1758 JN	SM 7500
Sodium Adsorption Ratio	7.2	0.1			09/01/2004 1642 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	667	5		mg/L	08/12/2004 1752 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/12/2004 1752 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/12/2004 1752 JG	SM 2320B
Chloride	24	1		mg/L	08/13/2004 1309 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	08/12/2004 1752 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1123 RM	EPA 353.2
Sulfate	261	1		mg/L	08/13/2004 1309 LK	EPA 300.0
Cations						
Calcium	76	1		mg/L	08/16/2004 807 MH	EPA 200.7
Magnesium	17	1		mg/L	08/16/2004 807 MH	EPA 200.7
Potassium	6	1		mg/L	08/16/2004 807 MH	EPA 200.7
Sodium	268	1		mg/L	08/16/2004 807 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Baale for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-009
Client Sample ID MW07
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	10.93	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Chloride	0.67	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sulfate	5.43	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Calcium	3.80	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Magnesium	1.39	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Potassium	0.16	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sodium	11.64	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	17.00	0		meq/L	09/01/2004 1642 JG	SM 1030F
Anion Sum	17.03	0		meq/L	09/01/2004 1642 JG	SM 1030F
Cation-Anion Balance	0.08	0		%	09/01/2004 1642 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 807 MH	EPA 200.7
Arsenic	0.014	0.005		mg/L	08/12/2004 1521 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/12/2004 1521 MS	EPA 200.8
Boron	0.09	0.01		mg/L	08/16/2004 807 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/12/2004 1521 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 807 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/12/2004 1521 MS	EPA 200.8
Iron	0.20	0.05		mg/L	08/16/2004 807 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/12/2004 1521 MS	EPA 200.8
Manganese	0.40	0.02		mg/L	08/16/2004 807 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/13/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/12/2004 1521 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 807 MH	EPA 200.7
Selenium	1.01	0.005		mg/L	08/12/2004 1521 MS	EPA 200.8
Uranium	3.83	0.0001		mg/L	08/12/2004 1521 MS	EPA 200.8
Vanadium	0.05	0.02		mg/L	08/12/2004 1521 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 807 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Dale for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-010
Client Sample ID 5BK58-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	08/12/2004 1805 JG	EPA 150.1
Electrical Conductivity	1330	5		µmhos/cm	08/12/2004 1805 JG	SM 2510B
Total Dissolved Solids (180)	840	10		mg/L	08/13/2004 1030 KA	SM 2540
Solids, Total Dissolved (Calc)	780	10		mg/L	09/01/2004 1642 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	366	5		mg/L	08/12/2004 1805 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	140	1		mg/L	09/01/2004 1642 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/13/2004 1223 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/12/2004 1125 RM	EPA 353.2
Silica as SiO2	8.3	0.1		mg/L	08/16/2004 811 MH	EPA 200.7
Radium 226	1230±23	0.2		pCi/L	08/18/2004 1427 JN	SM 7500
Sodium Adsorption Ratio	8.4	0.1			09/01/2004 1642 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	447	5		mg/L	08/12/2004 1805 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/12/2004 1805 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/12/2004 1805 JG	SM 2320B
Chloride	17	1		mg/L	08/13/2004 1322 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	08/12/2004 1805 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1130 RM	EPA 353.2
Sulfate	256	1		mg/L	08/13/2004 1322 LK	EPA 300.0
Cations						
Calcium	41	1		mg/L	08/16/2004 811 MH	EPA 200.7
Magnesium	9	1		mg/L	08/16/2004 811 MH	EPA 200.7
Potassium	5	1		mg/L	08/16/2004 811 MH	EPA 200.7
Sodium	228	1		mg/L	08/16/2004 811 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Bate for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-010
Client Sample ID 5BK58-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	7.32	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Chloride	0.48	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sulfate	5.33	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Calcium	2.04	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Magnesium	0.74	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Potassium	0.12	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sodium	9.89	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	12.80	0		meq/L	09/01/2004 1642 JG	SM 1030F
Anion Sum	13.14	0		meq/L	09/01/2004 1642 JG	SM 1030F
Cation-Anion Balance	1.29	0		%	09/01/2004 1642 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 811 MH	EPA 200.7
Arsenic	0.007	0.005		mg/L	08/12/2004 1524 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/12/2004 1524 MS	EPA 200.8
Boron	0.09	0.01		mg/L	08/16/2004 811 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/12/2004 1524 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 811 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/12/2004 1524 MS	EPA 200.8
Iron	0.30	0.05		mg/L	08/16/2004 811 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/12/2004 1524 MS	EPA 200.8
Manganese	0.12	0.02		mg/L	08/16/2004 811 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/13/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/12/2004 1524 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 811 MH	EPA 200.7
Selenium	0.131	0.005		mg/L	08/12/2004 1524 MS	EPA 200.8
Uranium	2.25	0.0001		mg/L	08/12/2004 1524 MS	EPA 200.8
Vanadium	0.06	0.02		mg/L	08/12/2004 1524 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 811 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Bailey for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-011
Client Sample ID 5BA48-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.3	0.1		s.u.	08/12/2004 1816 JG	EPA 150.1
Electrical Conductivity	283	5		µmhos/cm	08/12/2004 1816 JG	SM 2510B
Total Dissolved Solids (180)	160	10		mg/L	08/13/2004 1035 KA	SM 2540
Solids, Total Dissolved (Calc)	160	10		mg/L	09/01/2004 1642 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	111	5		mg/L	08/12/2004 1816 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	20	1		mg/L	09/01/2004 1642 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/13/2004 1224 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/12/2004 1126 RM	EPA 353.2
Silica as SiO2	3.9	0.1		mg/L	08/16/2004 815 MH	EPA 200.7
Radium 226	44.4±4.5	0.2		pCi/L	08/18/2004 1427 JN	SM 7500
Sodium Adsorption Ratio	5.2	0.1			09/01/2004 1642 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	135	5		mg/L	08/12/2004 1816 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/12/2004 1816 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/12/2004 1816 JG	SM 2320B
Chloride	2	1		mg/L	08/13/2004 1336 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	08/12/2004 1816 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1131 RM	EPA 353.2
Sulfate	27	1		mg/L	08/13/2004 1336 LK	EPA 300.0
Cations						
Calcium	6	1		mg/L	08/24/2004 844 MH	EPA 200.7
Magnesium	1	1		mg/L	08/24/2004 844 MH	EPA 200.7
Potassium	1	1		mg/L	08/24/2004 844 MH	EPA 200.7
Sodium	53	1		mg/L	08/24/2004 844 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Baker
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-011
Client Sample ID 5BA48-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.21	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Chloride	0.05	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sulfate	0.56	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Calcium	0.29	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Magnesium	0.09	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Potassium	0.03	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sodium	2.28	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	2.71	0		meq/L	09/01/2004 1642 JG	SM 1030F
Anion Sum	2.83	0		meq/L	09/01/2004 1642 JG	SM 1030F
Cation-Anion Difference	0.12	0		meq/L	09/01/2004 1642 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 815 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	08/12/2004 1526 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/12/2004 1526 MS	EPA 200.8
Boron	0.05	0.01		mg/L	08/16/2004 815 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/12/2004 1526 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 815 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/12/2004 1526 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 815 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/12/2004 1526 MS	EPA 200.8
Manganese	ND	0.02		mg/L	08/16/2004 815 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/13/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/12/2004 1526 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 815 MH	EPA 200.7
Selenium	0.079	0.005		mg/L	08/12/2004 1526 MS	EPA 200.8
Uranium	0.405	0.0001		mg/L	08/12/2004 1526 MS	EPA 200.8
Vanadium	0.07	0.02		mg/L	08/12/2004 1526 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 815 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen A Daniels for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-012
Client Sample ID 5BD50-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.3	0.1		s.u.	08/12/2004 1829 JG	EPA 150.1
Electrical Conductivity	528	5		µmhos/cm	08/12/2004 1829 JG	SM 2510B
Total Dissolved Solids (180)	320	10		mg/L	08/13/2004 1040 KA	SM 2540
Solids, Total Dissolved (Calc)	290	10		mg/L	09/01/2004 1642 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	188	5		mg/L	08/12/2004 1829 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	38	1		mg/L	09/01/2004 1642 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/13/2004 1225 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/12/2004 1133 RM	EPA 353.2
Silica as SiO2	5.5	0.1		mg/L	08/16/2004 822 MH	EPA 200.7
Radium 226	97.0±6.6	0.2		pCi/L	08/18/2004 1427 JN	SM 7500
Sodium Adsorption Ratio	6.5	0.1			09/01/2004 1642 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	226	5		mg/L	08/12/2004 1829 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/12/2004 1829 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/12/2004 1829 JG	SM 2320B
Chloride	5	1		mg/L	08/13/2004 1442 LK	EPA 300.0
Fluoride	0.1	0.1		mg/L	08/12/2004 1829 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1133 RM	EPA 353.2
Sulfate	58	1		mg/L	08/13/2004 1442 LK	EPA 300.0
Cations						
Calcium	12	1		mg/L	08/24/2004 847 MH	EPA 200.7
Magnesium	2	1		mg/L	08/24/2004 847 MH	EPA 200.7
Potassium	2	1		mg/L	08/24/2004 847 MH	EPA 200.7
Sodium	93	1		mg/L	08/16/2004 822 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen A Baker for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-012
Client Sample ID 5BD50-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.71	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Carbonate as CO3	0.04	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Chloride	0.13	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sulfate	1.21	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Calcium	0.57	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Magnesium	0.19	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Potassium	0.05	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sodium	4.06	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	4.88	0		meq/L	09/01/2004 1642 JG	SM 1030F
Anion Sum	5.11	0		meq/L	09/01/2004 1642 JG	SM 1030F
Cation-Anion Balance	2.27	0		%	09/01/2004 1642 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 822 MH	EPA 200.7
Arsenic	0.018	0.005		mg/L	08/12/2004 1540 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/12/2004 1540 MS	EPA 200.8
Boron	0.06	0.01		mg/L	08/16/2004 822 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/12/2004 1540 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 822 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/12/2004 1540 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 822 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/12/2004 1540 MS	EPA 200.8
Manganese	0.03	0.02		mg/L	08/16/2004 822 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/13/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/12/2004 1540 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 822 MH	EPA 200.7
Selenium	0.495	0.005		mg/L	08/12/2004 1540 MS	EPA 200.8
Uranium	1.64	0.0001		mg/L	08/12/2004 1540 MS	EPA 200.8
Vanadium	0.15	0.02		mg/L	08/12/2004 1540 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 822 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Kara Baila for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-013
Client Sample ID 5BH58-2
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.4	0.1		s.u.	08/12/2004 1841 JG	EPA 150.1
Electrical Conductivity	609	5		µmhos/cm	08/12/2004 1841 JG	SM 2510B
Total Dissolved Solids (180)	360	10		mg/L	08/13/2004 1050 KA	SM 2540
Solids, Total Dissolved (Calc)	340	10		mg/L	09/01/2004 1642 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	262	5		mg/L	08/12/2004 1841 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	50	1		mg/L	09/01/2004 1642 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/13/2004 1226 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/12/2004 1134 RM	EPA 353.2
Silica as SiO2	5.2	0.1		mg/L	08/16/2004 826 MH	EPA 200.7
Radium 226	254±11	0.2		pCi/L	08/18/2004 1427 JN	SM 7500
Sodium Adsorption Ratio	6.8	0.1			09/01/2004 1642 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	308	5		mg/L	08/12/2004 1841 JG	SM 2320B
Alkalinity, Carbonate as CO3	6	5		mg/L	08/12/2004 1841 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/12/2004 1841 JG	SM 2320B
Chloride	3	1		mg/L	08/13/2004 1455 LK	EPA 300.0
Fluoride	0.1	0.1		mg/L	08/12/2004 1841 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1134 RM	EPA 353.2
Sulfate	45	1		mg/L	08/13/2004 1455 LK	EPA 300.0
Cations						
Calcium	15	1		mg/L	08/24/2004 851 MH	EPA 200.7
Magnesium	3	1		mg/L	08/16/2004 826 MH	EPA 200.7
Potassium	3	1		mg/L	08/16/2004 826 MH	EPA 200.7
Sodium	111	1		mg/L	08/16/2004 826 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Wade A Gate for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-013
Client Sample ID 5BH58-2
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	5.04	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Carbonate as CO3	0.18	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Chloride	0.07	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sulfate	0.94	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Calcium	0.76	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Magnesium	0.24	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Potassium	0.06	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sodium	4.83	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	5.90	0		meq/L	09/01/2004 1642 JG	SM 1030F
Anion Sum	6.25	0		meq/L	09/01/2004 1642 JG	SM 1030F
Cation-Anion Balance	2.85	0		%	09/01/2004 1642 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 826 MH	EPA 200.7
Arsenic	0.018	0.005		mg/L	08/12/2004 1542 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/12/2004 1542 MS	EPA 200.8
Boron	0.06	0.01		mg/L	08/16/2004 826 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/12/2004 1542 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 826 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/12/2004 1542 MS	EPA 200.8
Iron	ND	0.05		mg/L	08/16/2004 826 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/12/2004 1542 MS	EPA 200.8
Manganese	0.03	0.02		mg/L	08/16/2004 826 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/13/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/12/2004 1542 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 826 MH	EPA 200.7
Selenium	0.241	0.005		mg/L	08/12/2004 1542 MS	EPA 200.8
Uranium	1.44	0.0001		mg/L	08/12/2004 1542 MS	EPA 200.8
Vanadium	0.13	0.02		mg/L	08/12/2004 1542 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 826 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Kevin Barnes for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-014
Client Sample ID 5BJ54-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	08/12/2004 1852 JG	EPA 150.1
Electrical Conductivity	1160	5		µmhos/cm	08/12/2004 1852 JG	SM 2510B
Total Dissolved Solids (180)	720	10		mg/L	08/13/2004 1055 KA	SM 2540
Solids, Total Dissolved (Calc)	660	10		mg/L	09/01/2004 1642 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	08/16/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	298	5		mg/L	08/12/2004 1852 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	155	1		mg/L	09/01/2004 1642 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	08/13/2004 1227 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	08/12/2004 1135 RM	EPA 353.2
Silica as SiO2	8.7	0.1		mg/L	08/16/2004 829 MH	EPA 200.7
Radium 226	626±18	0.2		pCi/L	08/18/2004 1427 JN	SM 7500
Sodium Adsorption Ratio	6.2	0.1			09/01/2004 1642 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	364	5		mg/L	08/12/2004 1852 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	08/12/2004 1852 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	08/12/2004 1852 JG	SM 2320B
Chloride	14	1		mg/L	08/13/2004 1509 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	08/12/2004 1852 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	08/17/2004 1135 RM	EPA 353.2
Sulfate	225	1		mg/L	08/13/2004 1509 LK	EPA 300.0
Cations						
Calcium	46	1		mg/L	08/16/2004 829 MH	EPA 200.7
Magnesium	10	1		mg/L	08/16/2004 829 MH	EPA 200.7
Potassium	4	1		mg/L	08/16/2004 829 MH	EPA 200.7
Sodium	177	1		mg/L	08/16/2004 829 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen Baxter for
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 9/2/2004
Report ID: S0408139001

Project: Cogema Christensen Mine
Lab ID: S0408139-014
Client Sample ID 5BJ54-1
Matrix: Water

Work Order: S0408139
Collection Date: 8/11/2004
Date Received: 8/11/2004 5:15:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	5.97	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Chloride	0.38	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Fluoride	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sulfate	4.68	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Calcium	2.29	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Magnesium	0.81	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Potassium	0.11	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Sodium	7.70	0.01		meq/L	09/01/2004 1642 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	10.93	0		meq/L	09/01/2004 1642 JG	SM 1030F
Anion Sum	11.04	0		meq/L	09/01/2004 1642 JG	SM 1030F
Cation-Anion Balance	0.51	0		%	09/01/2004 1642 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	08/16/2004 829 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	08/12/2004 1545 MS	EPA 200.8
Barium	ND	0.5		mg/L	08/12/2004 1545 MS	EPA 200.8
Boron	0.08	0.01		mg/L	08/16/2004 829 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	08/12/2004 1545 MS	EPA 200.8
Chromium	ND	0.01		mg/L	08/16/2004 829 MH	EPA 200.7
Copper	ND	0.01		mg/L	08/12/2004 1545 MS	EPA 200.8
Iron	0.15	0.05		mg/L	08/16/2004 829 MH	EPA 200.7
Lead	ND	0.02		mg/L	08/12/2004 1545 MS	EPA 200.8
Manganese	0.13	0.02		mg/L	08/16/2004 829 MH	EPA 200.7
Mercury	ND	0.001		mg/L	08/13/2004 000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	08/12/2004 1545 MS	EPA 200.8
Nickel	ND	0.01		mg/L	08/16/2004 829 MH	EPA 200.7
Selenium	0.114	0.005		mg/L	08/12/2004 1545 MS	EPA 200.8
Uranium	1.23	0.0001		mg/L	08/12/2004 1545 MS	EPA 200.8
Vanadium	0.03	0.02		mg/L	08/12/2004 1545 MS	EPA 200.8
Zinc	ND	0.01		mg/L	08/16/2004 829 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reviewed by: Karen A Barker for
Wade Nieuwsma, Water Lab Supervisor

Inter-Mountain Laboratories **Date:** *30-Dec-05*

CLIENT: Cogema Mining Inc.
Project: Cogema Christensen Mine
Lab Order: S0512127

CASE NARRATIVE

Report ID: S0512127001

Samples 5BK82-1, 5BL66-1, 5BL76-1, 5BN162-2, 5BN94-1, 5BQ158-1, 5BS120-1, 5BT138-1, AP-02, and MW-03 were received on December 13, 2005.

All samples were received and analyzed within the EPA recommended holding times, except those noted in this case narrative. Samples were analyzed using the methods outlined in the following references:

U.S.E.P.A. 600 "Methods for Chemical Analysis of Water and Wastes", 1993
"Standard Methods For The Examination of Water and Wastewater", 20th ed., 1995
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All Quality Control parameters met the acceptance criteria defined by EPA and Inter-Mountain Laboratories except as indicated in this case narrative.

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 12-13-05 Received by [signature] Date 12-13-05

Restoration Sample Description

Location: ___ Irigaray X Christensen Mine or Production Unit 5 Module # (if applicale) _____

Restoration Phase: ___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
___ Stabilization (explain_____)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : ~~Tom Michelsen~~ Larry Arbogast

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Comments
1	5BL76-1	12-12-05	Half Gal.	X		X		50512127-001
			Quart	X				"
			8 ozs.		X			"
			8 ozs.	X			X	"
2	5BT138-1		**	**	**	**	**	002
3	5BN94-1		**	**	**	**	**	003
4	5BN162-2		**	**	**	**	**	004
5	5BS120-1	12-13-05	**	**	**	**	**	005
6	5BL66-1		**	**	**	**	**	006
7	5BQ158-1		**	**	**	**	**	007
8	5BK82-1		**	**	**	**	**	008
9	MW-03		**	**	**	**	**	009
10	AP-02		**	**	**	**	**	010
11	5BS120-1		**	**	**	**	**	dup entries
12	5BL66-1		**	**	**	**	**	
13			**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1

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Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/12/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-001
Client Sample ID: 5BL76-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	12/14/2005 1634 MD	EPA 150.1
Electrical Conductivity	2770	5		µmhos/cm	12/14/2005 1634 MD	SM 2510B
Total Dissolved Solids (180)	1960	10		mg/L	12/15/2005 741 EB	SM 2540
Solids, Total Dissolved (Calc)	1980	10		mg/L	12/23/2005 958 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/16/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	983	5		mg/L	12/14/2005 1634 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	604	1		mg/L	12/23/2005 958 MD	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	12/16/2005 1216 RM	EPA 350.1
Nitrogen, Nitrite (as N)	0.07	0.05		mg/L	12/14/2005 1056 RM	EPA 353.2
Radium 226	259 ± 10	0.2		pCi/L	12/28/2005 1255 SH	SM 7500 RA B
Silica as SiO2	12.7	0.1		mg/L	12/22/2005 1219 TC	EPA 200.7
Sodium Adsorption Ratio	9.4	0.1			12/23/2005 958 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	1200	5		mg/L	12/14/2005 1634 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/14/2005 1634 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/14/2005 1634 MD	SM 2320B
Chloride	51	1		mg/L	12/22/2005 1414 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	12/14/2005 1634 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	0.73	0.05		mg/L	12/14/2005 1425 RM	EPA 353.2
Sulfate	579	1		mg/L	12/22/2005 1414 LK	EPA 300.0
Cations						
Calcium	184	1		mg/L	12/20/2005 1109 TC	EPA 200.7
Magnesium	35	1		mg/L	12/20/2005 1109 TC	EPA 200.7
Potassium	9	1		mg/L	12/20/2005 1109 TC	EPA 200.7
Sodium	533	1		mg/L	12/20/2005 1109 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.
1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/12/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-001
Client Sample ID: 5BL76-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	19.65	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Chloride	1.44	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Nitrate + Nitrite as N	0.05	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sulfate	12.04	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Calcium	9.18	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Magnesium	2.90	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Potassium	0.23	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sodium	23.19	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	35.51	0		meq/L	12/23/2005 958 MD	SM 1030F
Anion Sum	33.19	0		meq/L	12/23/2005 958 MD	SM 1030F
Cation-Anion Balance	3.37	0		%	12/23/2005 958 MD	SM 1030F
Dissolved Metals						
Aluminum	0.2	0.1		mg/L	12/16/2005 1245 TC	EPA 200.7
Arsenic	0.025	0.005		mg/L	12/14/2005 1136 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/14/2005 1136 MS	EPA 200.8
Boron	0.17	0.03		mg/L	12/16/2005 1245 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/14/2005 1136 MS	EPA 200.8
Chromium	0.01	0.01		mg/L	12/16/2005 1245 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/14/2005 1136 MS	EPA 200.8
Iron	ND	0.05		mg/L	12/16/2005 1245 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/14/2005 1136 MS	EPA 200.8
Manganese	ND	0.02		mg/L	12/16/2005 1245 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/16/2005 1246 PQ	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/14/2005 1136 MS	EPA 200.8
Nickel	0.01	0.01		mg/L	12/16/2005 1245 TC	EPA 200.7
Selenium	2.49	0.005		mg/L	12/14/2005 1136 MS	EPA 200.8
Uranium	18.6	0.0001		mg/L	12/14/2005 1136 MS	EPA 200.8
Vanadium	0.12	0.02		mg/L	12/14/2005 1136 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/16/2005 1245 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/12/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-002
Client Sample ID: 5BT138-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.4	0.1		s.u.	12/14/2005 1644 MD	EPA 150.1
Electrical Conductivity	869	5		µmhos/cm	12/14/2005 1644 MD	SM 2510B
Total Dissolved Solids (180)	550	10		mg/L	12/15/2005 746 EB	SM 2540
Solids, Total Dissolved (Calc)	570	10		mg/L	12/23/2005 958 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/16/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	99	5		mg/L	12/14/2005 1644 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	40	1		mg/L	12/23/2005 958 MD	SM 2340B
Nitrogen, Ammonia (As N)	0.2	0.1		mg/L	12/16/2005 1223 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1057 RM	EPA 353.2
Radium 226	77.0 ± 6.3	0.2		pCi/L	12/28/2005 1255 SH	SM 7500 RA B
Silica as SiO2	9.0	0.1		mg/L	12/22/2005 1223 TC	EPA 200.7
Sodium Adsorption Ratio	12.2	0.1			12/23/2005 958 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	117	5		mg/L	12/14/2005 1644 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/14/2005 1644 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/14/2005 1644 MD	SM 2320B
Chloride	5	1		mg/L	12/22/2005 1424 LK	EPA 300.0
Fluoride	0.2	0.1		mg/L	12/14/2005 1644 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1426 RM	EPA 353.2
Sulfate	303	1		mg/L	12/22/2005 1424 LK	EPA 300.0
Cations						
Calcium	13	1		mg/L	12/20/2005 1113 TC	EPA 200.7
Magnesium	2	1		mg/L	12/20/2005 1113 TC	EPA 200.7
Potassium	9	1		mg/L	12/20/2005 1113 TC	EPA 200.7
Sodium	178	1		mg/L	12/20/2005 1113 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/12/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-002
Client Sample ID: 5BT138-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.91	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Carbonate as CO3	0.06	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Chloride	0.14	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Fluoride	0.01	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sulfate	6.30	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Calcium	0.62	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Magnesium	0.18	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Potassium	0.22	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sodium	7.75	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	8.78	0		meq/L	12/23/2005 958 MD	SM 1030F
Anion Sum	8.44	0		meq/L	12/23/2005 958 MD	SM 1030F
Cation-Anion Balance	2.01	0		%	12/23/2005 958 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/16/2005 1253 TC	EPA 200.7
Arsenic	ND	0.005		mg/L	12/14/2005 1139 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/14/2005 1139 MS	EPA 200.8
Boron	0.06	0.03		mg/L	12/16/2005 1253 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/14/2005 1139 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/16/2005 1253 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/14/2005 1139 MS	EPA 200.8
Iron	ND	0.05		mg/L	12/16/2005 1253 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/14/2005 1139 MS	EPA 200.8
Manganese	ND	0.02		mg/L	12/16/2005 1253 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/16/2005 1249 PQ	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/14/2005 1139 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/16/2005 1253 TC	EPA 200.7
Selenium	0.006	0.005		mg/L	12/14/2005 1139 MS	EPA 200.8
Uranium	0.0473	0.0001		mg/L	12/14/2005 1139 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	12/14/2005 1139 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/16/2005 1253 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/12/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-003
Client Sample ID: 5BN94-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.6	0.1		s.u.	12/14/2005 1712 MD	EPA 150.1
Electrical Conductivity	670	5		µmhos/cm	12/14/2005 1712 MD	SM 2510B
Total Dissolved Solids (180)	420	10		mg/L	12/15/2005 751 EB	SM 2540
Solids, Total Dissolved (Calc)	430	10		mg/L	12/23/2005 958 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/16/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	118	5		mg/L	12/14/2005 1712 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	45	1		mg/L	12/23/2005 958 MD	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	12/16/2005 1224 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1058 RM	EPA 353.2
Radium 226	19.0 ± 2.8	0.2		pCi/L	12/28/2005 1255 SH	SM 7500 RA B
Silica as SiO2	6.2	0.1		mg/L	12/22/2005 1227 TC	EPA 200.7
Sodium Adsorption Ratio	8.8	0.1			12/23/2005 958 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	134	5		mg/L	12/14/2005 1712 MD	SM 2320B
Alkalinity, Carbonate as CO3	5	5		mg/L	12/14/2005 1712 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/14/2005 1712 MD	SM 2320B
Chloride	6	1		mg/L	12/22/2005 1433 LK	EPA 300.0
Fluoride	0.2	0.1		mg/L	12/14/2005 1712 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1427 RM	EPA 353.2
Sulfate	196	1		mg/L	12/22/2005 1433 LK	EPA 300.0
Cations						
Calcium	14	1		mg/L	12/20/2005 1117 TC	EPA 200.7
Magnesium	2	1		mg/L	12/20/2005 1117 TC	EPA 200.7
Potassium	3	1		mg/L	12/20/2005 1117 TC	EPA 200.7
Sodium	135	1		mg/L	12/20/2005 1117 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.
1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/12/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-003
Client Sample ID: 5BN94-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.19	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Carbonate as CO3	0.17	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Chloride	0.17	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sulfate	4.07	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Calcium	0.70	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Magnesium	0.18	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Potassium	0.06	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sodium	5.88	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	6.84	0		meq/L	12/23/2005 958 MD	SM 1030F
Anion Sum	6.63	0		meq/L	12/23/2005 958 MD	SM 1030F
Cation-Anion Balance	1.60	0		%	12/23/2005 958 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/16/2005 1320 TC	EPA 200.7
Arsenic	ND	0.005		mg/L	12/14/2005 1142 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/14/2005 1142 MS	EPA 200.8
Boron	0.08	0.03		mg/L	12/16/2005 1320 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/14/2005 1142 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/16/2005 1320 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/14/2005 1142 MS	EPA 200.8
Iron	ND	0.05		mg/L	12/16/2005 1320 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/14/2005 1142 MS	EPA 200.8
Manganese	ND	0.02		mg/L	12/16/2005 1320 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/16/2005 1251 PQ	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/14/2005 1142 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/16/2005 1320 TC	EPA 200.7
Selenium	0.354	0.005		mg/L	12/14/2005 1142 MS	EPA 200.8
Uranium	0.312	0.0001		mg/L	12/14/2005 1142 MS	EPA 200.8
Vanadium	0.09	0.02		mg/L	12/14/2005 1142 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/16/2005 1320 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/12/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-004
Client Sample ID: 5BN162-2
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.3	0.1		s.u.	12/14/2005 1724 MD	EPA 150.1
Electrical Conductivity	702	5		µmhos/cm	12/14/2005 1724 MD	SM 2510B
Total Dissolved Solids (180)	430	10		mg/L	12/15/2005 756 EB	SM 2540
Solids, Total Dissolved (Calc)	450	10		mg/L	12/23/2005 958 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/16/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	270	5		mg/L	12/14/2005 1724 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	115	1		mg/L	12/23/2005 958 MD	SM 2340B
Nitrogen, Ammonia (As N)	0.2	0.1		mg/L	12/16/2005 1225 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1059 RM	EPA 353.2
Radium 226	178.8 ± 8.8	0.2		pCi/L	12/28/2005 1255 SH	SM 7500 RA B
Silica as SiO2	5.4	0.1		mg/L	12/22/2005 1230 TC	EPA 200.7
Sodium Adsorption Ratio	5.1	0.1			12/23/2005 958 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	329	5		mg/L	12/14/2005 1724 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/14/2005 1724 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/14/2005 1724 MD	SM 2320B
Chloride	6	1		mg/L	12/22/2005 1443 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	12/14/2005 1724 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1435 RM	EPA 353.2
Sulfate	109	1		mg/L	12/22/2005 1443 LK	EPA 300.0
Cations						
Calcium	35	1		mg/L	12/20/2005 1121 TC	EPA 200.7
Magnesium	6	1		mg/L	12/20/2005 1121 TC	EPA 200.7
Potassium	3	1		mg/L	12/20/2005 1121 TC	EPA 200.7
Sodium	126	1		mg/L	12/20/2005 1121 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.
1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/12/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-004
Client Sample ID: 5BN162-2
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	5.39	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Chloride	0.16	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sulfate	2.25	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Calcium	1.76	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Magnesium	0.53	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Potassium	0.08	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sodium	5.46	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	7.85	0		meq/L	12/23/2005 958 MD	SM 1030F
Anion Sum	7.83	0		meq/L	12/23/2005 958 MD	SM 1030F
Cation-Anion Balance	0.09	0		%	12/23/2005 958 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/16/2005 1324 TC	EPA 200.7
Arsenic	ND	0.005		mg/L	12/14/2005 1145 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/14/2005 1145 MS	EPA 200.8
Boron	0.09	0.03		mg/L	12/16/2005 1324 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/14/2005 1145 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/16/2005 1324 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/14/2005 1145 MS	EPA 200.8
Iron	ND	0.05		mg/L	12/16/2005 1324 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/14/2005 1145 MS	EPA 200.8
Manganese	0.06	0.02		mg/L	12/16/2005 1324 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/16/2005 1253 PQ	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/14/2005 1145 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/16/2005 1324 TC	EPA 200.7
Selenium	0.087	0.005		mg/L	12/14/2005 1145 MS	EPA 200.8
Uranium	1.86	0.0001		mg/L	12/14/2005 1145 MS	EPA 200.8
Vanadium	0.15	0.02		mg/L	12/14/2005 1145 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/16/2005 1324 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/13/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-005
Client Sample ID: 5BS120-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.4	0.1		s.u.	12/14/2005 1735 MD	EPA 150.1
Electrical Conductivity	638	5		µmhos/cm	12/14/2005 1735 MD	SM 2510B
Total Dissolved Solids (180)	390	10		mg/L	12/15/2005 801 EB	SM 2540
Solids, Total Dissolved (Calc)	400	10		mg/L	12/23/2005 958 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/16/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	263	5		mg/L	12/14/2005 1735 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	55	1		mg/L	12/23/2005 958 MD	SM 2340B
Nitrogen, Ammonia (As N)	0.3	0.1		mg/L	12/16/2005 1226 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1100 RM	EPA 353.2
Radium 226	88.0 ± 6.2	0.2		pCi/L	12/28/2005 1627 SH	SM 7500 RA B
Silica as SiO2	8.6	0.1		mg/L	12/22/2005 1238 TC	EPA 200.7
Sodium Adsorption Ratio	8.2	0.1			12/23/2005 958 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	312	5		mg/L	12/14/2005 1735 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/14/2005 1735 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/14/2005 1735 MD	SM 2320B
Chloride	4	1		mg/L	12/22/2005 1453 LK	EPA 300.0
Fluoride	0.2	0.1		mg/L	12/14/2005 1735 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1436 RM	EPA 353.2
Sulfate	78	1		mg/L	12/22/2005 1453 LK	EPA 300.0
Cations						
Calcium	16	1		mg/L	12/16/2005 1327 TC	EPA 200.7
Magnesium	3	1		mg/L	12/16/2005 1327 TC	EPA 200.7
Potassium	3	1		mg/L	12/16/2005 1327 TC	EPA 200.7
Sodium	140	1		mg/L	12/20/2005 1125 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/13/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-005
Client Sample ID: 5BS120-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	5.11	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Carbonate as CO3	0.13	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Chloride	0.11	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Fluoride	0.01	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sulfate	1.61	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Calcium	0.83	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Magnesium	0.29	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Potassium	0.07	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sodium	6.09	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	7.27	0		meq/L	12/23/2005 958 MD	SM 1030F
Anion Sum	6.98	0		meq/L	12/23/2005 958 MD	SM 1030F
Cation-Anion Balance	2.02	0		%	12/23/2005 958 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/16/2005 1327 TC	EPA 200.7
Arsenic	ND	0.005		mg/L	12/14/2005 1148 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/14/2005 1148 MS	EPA 200.8
Boron	0.07	0.03		mg/L	12/16/2005 1327 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/14/2005 1148 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/16/2005 1327 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/14/2005 1148 MS	EPA 200.8
Iron	ND	0.05		mg/L	12/16/2005 1327 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/14/2005 1148 MS	EPA 200.8
Manganese	ND	0.02		mg/L	12/16/2005 1327 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/16/2005 1303 PQ	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/14/2005 1148 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/16/2005 1327 TC	EPA 200.7
Selenium	0.090	0.005		mg/L	12/14/2005 1148 MS	EPA 200.8
Uranium	1.44	0.0001		mg/L	12/14/2005 1148 MS	EPA 200.8
Vanadium	0.14	0.02		mg/L	12/14/2005 1148 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/16/2005 1327 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.
1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/13/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-006
Client Sample ID: 5BL66-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	12/14/2005 1747 MD	EPA 150.1
Electrical Conductivity	1340	5		µmhos/cm	12/14/2005 1747 MD	SM 2510B
Total Dissolved Solids (180)	890	10		mg/L	12/15/2005 806 EB	SM 2540
Solids, Total Dissolved (Calc)	830	10		mg/L	12/23/2005 958 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/16/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	507	5		mg/L	12/14/2005 1747 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	175	1		mg/L	12/23/2005 958 MD	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	12/16/2005 1227 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1101 RM	EPA 353.2
Radium 226	126.5 ± 7.6	0.2		pCi/L	12/28/2005 1627 SH	SM 7500 RA B
Silica as SiO2	8.7	0.1		mg/L	12/22/2005 1313 TC	EPA 200.7
Sodium Adsorption Ratio	8.7	0.1			12/23/2005 958 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	619	5		mg/L	12/14/2005 1747 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/14/2005 1747 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/14/2005 1747 MD	SM 2320B
Chloride	13	1		mg/L	12/14/2005 1302 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	12/14/2005 1747 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	0.10	0.05		mg/L	12/14/2005 1437 RM	EPA 353.2
Sulfate	181	1		mg/L	12/14/2005 1302 LK	EPA 300.0
Cations						
Calcium	51	1		mg/L	12/20/2005 1708 TC	EPA 200.7
Magnesium	12	1		mg/L	12/20/2005 1708 TC	EPA 200.7
Potassium	5	1		mg/L	12/20/2005 1708 TC	EPA 200.7
Sodium	265	1		mg/L	12/20/2005 1708 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.
1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/13/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-006
Client Sample ID: 5BL66-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	10.14	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Chloride	0.35	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sulfate	3.76	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Calcium	2.54	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Magnesium	0.94	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Potassium	0.11	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sodium	11.54	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	15.15	0		meq/L	12/23/2005 958 MD	SM 1030F
Anion Sum	14.27	0		meq/L	12/23/2005 958 MD	SM 1030F
Cation-Anion Balance	3.01	0		%	12/23/2005 958 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/16/2005 1331 TC	EPA 200.7
Arsenic	ND	0.005		mg/L	12/14/2005 1151 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/14/2005 1151 MS	EPA 200.8
Boron	0.09	0.03		mg/L	12/16/2005 1331 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/14/2005 1151 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/16/2005 1331 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/14/2005 1151 MS	EPA 200.8
Iron	0.05	0.05		mg/L	12/16/2005 1331 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/14/2005 1151 MS	EPA 200.8
Manganese	0.11	0.02		mg/L	12/16/2005 1331 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/16/2005 1309 PQ	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/14/2005 1151 MS	EPA 200.8
Nickel	0.02	0.01		mg/L	12/16/2005 1331 TC	EPA 200.7
Selenium	0.214	0.005		mg/L	12/14/2005 1151 MS	EPA 200.8
Uranium	6.81	0.0001		mg/L	12/14/2005 1151 MS	EPA 200.8
Vanadium	0.08	0.02		mg/L	12/14/2005 1151 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/16/2005 1331 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.
1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/13/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-007
Client Sample ID: 5BQ158-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.2	0.1		s.u.	12/14/2005 1756 MD	EPA 150.1
Electrical Conductivity	888	5		µmhos/cm	12/14/2005 1756 MD	SM 2510B
Total Dissolved Solids (180)	570	10		mg/L	12/15/2005 811 EB	SM 2540
Solids, Total Dissolved (Calc)	570	10		mg/L	12/23/2005 958 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/16/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	92	5		mg/L	12/14/2005 1756 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	47	1		mg/L	12/23/2005 958 MD	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	12/16/2005 1228 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1102 RM	EPA 353.2
Radium 226	60.0 ± 4.8	0.2		pCi/L	12/28/2005 1627 SH	SM 7500 RA B
Silica as SiO2	9.4	0.1		mg/L	12/22/2005 1317 TC	EPA 200.7
Sodium Adsorption Ratio	11.0	0.1			12/23/2005 958 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	113	5		mg/L	12/14/2005 1756 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/14/2005 1756 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/14/2005 1756 MD	SM 2320B
Chloride	6	1		mg/L	12/22/2005 1502 LK	EPA 300.0
Fluoride	0.2	0.1		mg/L	12/14/2005 1756 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	0.07	0.05		mg/L	12/14/2005 1438 RM	EPA 353.2
Sulfate	318	1		mg/L	12/22/2005 1502 LK	EPA 300.0
Cations						
Calcium	14	1		mg/L	12/20/2005 1712 TC	EPA 200.7
Magnesium	3	1		mg/L	12/20/2005 1712 TC	EPA 200.7
Potassium	3	1		mg/L	12/20/2005 1712 TC	EPA 200.7
Sodium	175	1		mg/L	12/20/2005 1712 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by: Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/13/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-007
Client Sample ID: 5BQ158-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.84	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Chloride	0.16	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Fluoride	0.01	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sulfate	6.61	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Calcium	0.70	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Magnesium	0.24	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Potassium	0.07	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sodium	7.61	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	8.64	0		meq/L	12/23/2005 958 MD	SM 1030F
Anion Sum	8.64	0		meq/L	12/23/2005 958 MD	SM 1030F
Cation-Anion Balance	0.02	0		%	12/23/2005 958 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/16/2005 1335 TC	EPA 200.7
Arsenic	ND	0.005		mg/L	12/14/2005 1154 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/14/2005 1154 MS	EPA 200.8
Boron	0.06	0.03		mg/L	12/16/2005 1335 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/14/2005 1154 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/16/2005 1335 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/14/2005 1154 MS	EPA 200.8
Iron	ND	0.05		mg/L	12/16/2005 1335 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/14/2005 1154 MS	EPA 200.8
Manganese	ND	0.02		mg/L	12/16/2005 1335 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/16/2005 1311 PQ	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/14/2005 1154 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/16/2005 1335 TC	EPA 200.7
Selenium	ND	0.005		mg/L	12/14/2005 1154 MS	EPA 200.8
Uranium	0.0094	0.0001		mg/L	12/14/2005 1154 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	12/14/2005 1154 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/16/2005 1335 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/13/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-008
Client Sample ID: 5BK82-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.1	0.1		s.u.	12/14/2005 1807 MD	EPA 150.1
Electrical Conductivity	1090	5		µmhos/cm	12/14/2005 1807 MD	SM 2510B
Total Dissolved Solids (180)	690	10		mg/L	12/15/2005 816 EB	SM 2540
Solids, Total Dissolved (Calc)	670	10		mg/L	12/23/2005 958 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/16/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	452	5		mg/L	12/14/2005 1807 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	135	1		mg/L	12/23/2005 958 MD	SM 2340B
Nitrogen, Ammonia (As N)	0.2	0.1		mg/L	12/16/2005 1229 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1103 RM	EPA 353.2
Radium 226	138.9 ± 7.4	0.2		pCi/L	12/28/2005 1627 SH	SM 7500 RA B
Silica as SiO2	7.9	0.1		mg/L	12/22/2005 1321 TC	EPA 200.7
Sodium Adsorption Ratio	8.4	0.1			12/23/2005 958 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	552	5		mg/L	12/14/2005 1807 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/14/2005 1807 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/14/2005 1807 MD	SM 2320B
Chloride	8	1		mg/L	12/14/2005 1400 LK	EPA 300.0
Fluoride	0.1	0.1		mg/L	12/14/2005 1807 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	0.16	0.05		mg/L	12/14/2005 1439 RM	EPA 353.2
Sulfate	113	1		mg/L	12/14/2005 1400 LK	EPA 300.0
Cations						
Calcium	40	1		mg/L	12/16/2005 1339 TC	EPA 200.7
Magnesium	8	1		mg/L	12/16/2005 1339 TC	EPA 200.7
Potassium	4	1		mg/L	12/20/2005 1208 TC	EPA 200.7
Sodium	224	1		mg/L	12/20/2005 1208 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.
1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/13/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-008
Client Sample ID: 5BK82-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	9.04	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Chloride	0.21	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Nitrate + Nitrite as N	0.01	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sulfate	2.35	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Calcium	2.00	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Magnesium	0.69	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Potassium	0.09	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sodium	9.74	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	12.54	0		meq/L	12/23/2005 958 MD	SM 1030F
Anion Sum	11.62	0		meq/L	12/23/2005 958 MD	SM 1030F
Cation-Anion Balance	3.77	0		%	12/23/2005 958 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/16/2005 1339 TC	EPA 200.7
Arsenic	0.012	0.005		mg/L	12/14/2005 1157 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/14/2005 1157 MS	EPA 200.8
Boron	0.08	0.03		mg/L	12/16/2005 1339 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/14/2005 1157 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/16/2005 1339 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/14/2005 1157 MS	EPA 200.8
Iron	ND	0.05		mg/L	12/16/2005 1339 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/14/2005 1157 MS	EPA 200.8
Manganese	0.08	0.02		mg/L	12/16/2005 1339 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/16/2005 1313 PQ	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/14/2005 1157 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/16/2005 1339 TC	EPA 200.7
Selenium	0.280	0.005		mg/L	12/14/2005 1157 MS	EPA 200.8
Uranium	4.13	0.0001		mg/L	12/14/2005 1157 MS	EPA 200.8
Vanadium	0.21	0.02		mg/L	12/14/2005 1157 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/16/2005 1339 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/13/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-009
Client Sample ID: MW-03
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.2	0.1		s.u.	12/14/2005 1818 MD	EPA 150.1
Electrical Conductivity	493	5		µmhos/cm	12/14/2005 1818 MD	SM 2510B
Total Dissolved Solids (180)	310	10		mg/L	12/15/2005 821 EB	SM 2540
Solids, Total Dissolved (Calc)	310	10		mg/L	12/23/2005 958 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/16/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	176	5		mg/L	12/14/2005 1818 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	37	1		mg/L	12/23/2005 958 MD	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	12/16/2005 1230 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1104 RM	EPA 353.2
Radium 226	74.1 ± 5.5	0.2		pCi/L	12/28/2005 1627 SH	SM 7500 RA B
Silica as SiO2	5.6	0.1		mg/L	12/22/2005 1329 TC	EPA 200.7
Sodium Adsorption Ratio	7.5	0.1			12/23/2005 958 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	215	5		mg/L	12/14/2005 1818 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/14/2005 1818 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/14/2005 1818 MD	SM 2320B
Chloride	3	1		mg/L	12/22/2005 1512 LK	EPA 300.0
Fluoride	0.2	0.1		mg/L	12/14/2005 1818 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	0.10	0.05		mg/L	12/14/2005 1440 RM	EPA 353.2
Sulfate	77	1		mg/L	12/22/2005 1512 LK	EPA 300.0
Cations						
Calcium	12	1		mg/L	12/20/2005 1212 TC	EPA 200.7
Magnesium	2	1		mg/L	12/20/2005 1212 TC	EPA 200.7
Potassium	2	1		mg/L	12/20/2005 1212 TC	EPA 200.7
Sodium	104	1		mg/L	12/20/2005 1212 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/13/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-009
Client Sample ID: MW-03
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.52	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Chloride	0.07	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sulfate	1.59	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Calcium	0.57	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Magnesium	0.15	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Potassium	0.05	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sodium	4.53	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	5.31	0		meq/L	12/23/2005 958 MD	SM 1030F
Anion Sum	5.20	0		meq/L	12/23/2005 958 MD	SM 1030F
Cation-Anion Balance	1.09	0		%	12/23/2005 958 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/16/2005 1343 TC	EPA 200.7
Arsenic	0.023	0.005		mg/L	12/14/2005 1159 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/14/2005 1159 MS	EPA 200.8
Boron	0.07	0.03		mg/L	12/16/2005 1343 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/14/2005 1159 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/16/2005 1343 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/14/2005 1159 MS	EPA 200.8
Iron	ND	0.05		mg/L	12/16/2005 1343 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/14/2005 1159 MS	EPA 200.8
Manganese	ND	0.02		mg/L	12/16/2005 1343 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/16/2005 1315 PQ	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/14/2005 1159 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/16/2005 1343 TC	EPA 200.7
Selenium	1.84	0.005		mg/L	12/14/2005 1159 MS	EPA 200.8
Uranium	1.03	0.0001		mg/L	12/14/2005 1159 MS	EPA 200.8
Vanadium	0.15	0.02		mg/L	12/14/2005 1159 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/16/2005 1343 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/13/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-010
Client Sample ID: AP-02
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.1	0.1		s.u.	12/14/2005 1829 MD	EPA 150.1
Electrical Conductivity	1070	5		µmhos/cm	12/14/2005 1829 MD	SM 2510B
Total Dissolved Solids (180)	700	10		mg/L	12/15/2005 826 EB	SM 2540
Solids, Total Dissolved (Calc)	710	10		mg/L	12/23/2005 958 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/16/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	224	5		mg/L	12/14/2005 1829 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	109	1		mg/L	12/23/2005 958 MD	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	12/16/2005 1231 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1105 RM	EPA 353.2
Radium 226	35.9 ± 3.9	0.2		pCi/L	12/28/2005 1627 SH	SM 7500 RA B
Silica as SiO2	7.0	0.1		mg/L	12/22/2005 1333 TC	EPA 200.7
Sodium Adsorption Ratio	8.7	0.1			12/23/2005 958 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	274	5		mg/L	12/14/2005 1829 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/14/2005 1829 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/14/2005 1829 MD	SM 2320B
Chloride	10	1		mg/L	12/22/2005 1522 LK	EPA 300.0
Fluoride	0.1	0.1		mg/L	12/14/2005 1829 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	0.05	0.05		mg/L	12/14/2005 1442 RM	EPA 353.2
Sulfate	310	1		mg/L	12/22/2005 1522 LK	EPA 300.0
Cations						
Calcium	33	1		mg/L	12/20/2005 1215 TC	EPA 200.7
Magnesium	7	1		mg/L	12/20/2005 1215 TC	EPA 200.7
Potassium	4	1		mg/L	12/20/2005 1215 TC	EPA 200.7
Sodium	210	1		mg/L	12/20/2005 1215 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512127001

Work Order: S0512127
Collection Date: 12/13/2005
Date Received: 12/13/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512127-010
Client Sample ID: AP-02
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.48	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Chloride	0.29	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sulfate	6.45	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Calcium	1.63	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Magnesium	0.55	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Potassium	0.10	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Sodium	9.11	0.01		meq/L	12/23/2005 958 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	11.40	0		meq/L	12/23/2005 958 MD	SM 1030F
Anion Sum	11.24	0		meq/L	12/23/2005 958 MD	SM 1030F
Cation-Anion Balance	0.69	0		%	12/23/2005 958 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/16/2005 1347 TC	EPA 200.7
Arsenic	ND	0.005		mg/L	12/14/2005 1211 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/14/2005 1211 MS	EPA 200.8
Boron	0.06	0.03		mg/L	12/16/2005 1347 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/14/2005 1211 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/16/2005 1347 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/14/2005 1211 MS	EPA 200.8
Iron	ND	0.05		mg/L	12/16/2005 1347 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/14/2005 1211 MS	EPA 200.8
Manganese	0.03	0.02		mg/L	12/16/2005 1347 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/16/2005 1317 PQ	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/14/2005 1211 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/16/2005 1347 TC	EPA 200.7
Selenium	0.010	0.005		mg/L	12/14/2005 1211 MS	EPA 200.8
Uranium	0.526	0.0001		mg/L	12/14/2005 1211 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	12/14/2005 1211 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/16/2005 1347 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Project Manager

Inter-Mountain Laboratories **Date:** *30-Dec-05*

CLIENT: Cogema Mining Inc.
Project: Cogema Christensen Mine
Lab Order: S0512076

CASE NARRATIVE

Report ID: S0512076001

Samples 5AG68-1, 5AL66-1, 5AM78-2, 5AO74-1, 5AP54-1, MW07, and TW0001 were received on December 8, 2005.

All samples were received and analyzed within the EPA recommended holding times, except those noted in this case narrative. Samples were analyzed using the methods outlined in the following references:

U.S.E.P.A. 600 "Methods for Chemical Analysis of Water and Wastes", 1993
"Standard Methods For The Examination of Water and Wastewater", 20th ed., 1995
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All Quality Control parameters met the acceptance criteria defined by EPA and Inter-Mountain Laboratories except as indicated in this case narrative.

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 12-8-05 Received by [signature] Date 12/8/05 1700

Restoration Sample Description
Location: ___ Irigaray ~~X~~ Christensen Mine or Production Unit 5 Module # (if applicale) _____

Restoration Phase: ___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
___ Stabilization (explain_____)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : ~~Tom Nicholson~~
Larry Arbogast

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Lab id	Comments
1	5AP74-1	12/8/05	Half Gal.	X		X		S0512076-001	
			Quart	X					"
			8 ozs.		X				"
			8 ozs.	X			X		"
2	5AP54-1		**	**	**	**	**		002
3	MW07		**	**	**	**	**		003
4	5AM78-2		**	**	**	**	**		004
5	5AL66-1		**	**	**	**	**		005
6	5AG68-1		**	**	**	**	**		006
7	TW0001		**	**	**	**	**		007
8			**	**	**	**	**		
9			**	**	**	**	**		
10			**	**	**	**	**		
11			**	**	**	**	**		
12			**	**	**	**	**		
13			**	**	**	**	**		
14			**	**	**	**	**		
15			**	**	**	**	**		

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1

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Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512076001

Work Order: S0512076
Collection Date: 12/8/2005
Date Received: 12/8/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512076-001
Client Sample ID: 5AO74-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.1	0.1		s.u.	12/09/2005 1704 MD	EPA 150.1
Electrical Conductivity	457	5		µmhos/cm	12/09/2005 1704 MD	SM 2510B
Total Dissolved Solids (180)	280	10		mg/L	12/12/2005 805 EB	SM 2540
Solids, Total Dissolved (Calc)	290	10		mg/L	12/19/2005 1111 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/12/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	168	5		mg/L	12/09/2005 1704 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	39	1		mg/L	12/19/2005 1111 MD	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	12/12/2005 1149 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/09/2005 1216 RM	EPA 353.2
Radium 226	31.9 ± 3.0	0.2		pCi/L	12/19/2005 1250 SH	SM 7500 RA B
Silica as SiO2	7.6	0.1		mg/L	12/13/2005 1025 TC	EPA 200.7
Sodium Adsorption Ratio	6.7	0.1			12/19/2005 1111 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	205	5		mg/L	12/09/2005 1704 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/09/2005 1704 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/09/2005 1704 MD	SM 2320B
Chloride	4	1		mg/L	12/14/2005 1047 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	12/09/2005 1704 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	12/13/2005 1256 RM	EPA 353.2
Sulfate	69	1		mg/L	12/14/2005 1047 LK	EPA 300.0
Cations						
Calcium	12	1		mg/L	12/13/2005 1025 TC	EPA 200.7
Magnesium	2	1		mg/L	12/13/2005 1025 TC	EPA 200.7
Potassium	2	1		mg/L	12/13/2005 1025 TC	EPA 200.7
Sodium	96	1		mg/L	12/09/2005 1448 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512076001

Work Order: S0512076
Collection Date: 12/8/2005
Date Received: 12/8/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512076-001
Client Sample ID: 5AO74-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.35	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Chloride	0.10	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Sulfate	1.42	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Calcium	0.59	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Magnesium	0.18	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Potassium	0.04	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Sodium	4.31	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	4.99	0		meq/L	12/19/2005 1111 MD	SM 1030F
Anion Sum	4.88	0		meq/L	12/19/2005 1111 MD	SM 1030F
Cation-Anion Balance	1.10	0		%	12/19/2005 1111 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/09/2005 1448 TC	EPA 200.7
Arsenic	ND	0.005		mg/L	12/09/2005 1312 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/09/2005 1312 MS	EPA 200.8
Boron	0.10	0.03		mg/L	12/09/2005 1448 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/09/2005 1312 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/09/2005 1448 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/09/2005 1312 MS	EPA 200.8
Iron	0.11	0.05		mg/L	12/09/2005 1448 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/09/2005 1312 MS	EPA 200.8
Manganese	ND	0.02		mg/L	12/09/2005 1448 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/13/2005 1140 ADM	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/09/2005 1312 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/09/2005 1448 TC	EPA 200.7
Selenium	0.012	0.005		mg/L	12/09/2005 1312 MS	EPA 200.8
Uranium	0.366	0.0001		mg/L	12/09/2005 1312 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	12/09/2005 1312 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/09/2005 1448 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512076001

Work Order: S0512076
Collection Date: 12/8/2005
Date Received: 12/8/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512076-002
Client Sample ID: 5AP54-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	12/09/2005 1717 MD	EPA 150.1
Electrical Conductivity	1420	5		µmhos/cm	12/09/2005 1717 MD	SM 2510B
Total Dissolved Solids (180)	980	10		mg/L	12/12/2005 810 EB	SM 2540
Solids, Total Dissolved (Calc)	930	10		mg/L	12/19/2005 1111 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/12/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	545	5		mg/L	12/09/2005 1717 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	299	1		mg/L	12/19/2005 1111 MD	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	12/12/2005 1150 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/09/2005 1217 RM	EPA 353.2
Radium 226	767 ± 15	0.2		pCi/L	12/19/2005 1250 SH	SM 7500 RA B
Silica as SiO2	8.0	0.1		mg/L	12/13/2005 1029 TC	EPA 200.7
Sodium Adsorption Ratio	6.4	0.1			12/19/2005 1111 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	666	5		mg/L	12/09/2005 1717 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/09/2005 1717 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/09/2005 1717 MD	SM 2320B
Chloride	20	1		mg/L	12/09/2005 1530 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	12/09/2005 1717 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	12/13/2005 1257 RM	EPA 353.2
Sulfate	207	1		mg/L	12/09/2005 1530 LK	EPA 300.0
Cations						
Calcium	92	1		mg/L	12/09/2005 1452 TC	EPA 200.7
Magnesium	17	1		mg/L	12/09/2005 1452 TC	EPA 200.7
Potassium	6	1		mg/L	12/09/2005 1452 TC	EPA 200.7
Sodium	257	1		mg/L	12/09/2005 1452 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512076001

Work Order: S0512076
Collection Date: 12/8/2005
Date Received: 12/8/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512076-002
Client Sample ID: 5AP54-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	10.91	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Chloride	0.57	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Sulfate	4.30	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Calcium	4.57	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Magnesium	1.41	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Potassium	0.15	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Sodium	11.16	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	17.30	0		meq/L	12/19/2005 1111 MD	SM 1030F
Anion Sum	15.78	0		meq/L	12/19/2005 1111 MD	SM 1030F
Cation-Anion Balance	4.57	0		%	12/19/2005 1111 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/09/2005 1452 TC	EPA 200.7
Arsenic	ND	0.005		mg/L	12/09/2005 1321 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/09/2005 1321 MS	EPA 200.8
Boron	0.11	0.03		mg/L	12/09/2005 1452 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/09/2005 1321 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/09/2005 1452 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/09/2005 1321 MS	EPA 200.8
Iron	0.06	0.05		mg/L	12/09/2005 1452 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/09/2005 1321 MS	EPA 200.8
Manganese	0.15	0.02		mg/L	12/09/2005 1452 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/13/2005 1142 ADM	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/09/2005 1321 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/09/2005 1452 TC	EPA 200.7
Selenium	0.239	0.005		mg/L	12/09/2005 1321 MS	EPA 200.8
Uranium	7.72	0.0001		mg/L	12/09/2005 1321 MS	EPA 200.8
Vanadium	0.16	0.02		mg/L	12/09/2005 1321 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/09/2005 1452 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512076001

Work Order: S0512076
Collection Date: 12/8/2005
Date Received: 12/8/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512076-003
Client Sample ID: MW07
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	12/09/2005 1729 MD	EPA 150.1
Electrical Conductivity	1470	5		µmhos/cm	12/09/2005 1729 MD	SM 2510B
Total Dissolved Solids (180)	1020	10		mg/L	12/12/2005 815 EB	SM 2540
Solids, Total Dissolved (Calc)	960	10		mg/L	12/19/2005 1111 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/12/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	533	5		mg/L	12/09/2005 1729 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	251	1		mg/L	12/19/2005 1111 MD	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	12/12/2005 1151 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/09/2005 1218 RM	EPA 353.2
Radium 226	362 ± 10	0.2		pCi/L	12/19/2005 1250 SH	SM 7500 RA B
Silica as SiO2	8.8	0.1		mg/L	12/13/2005 1033 TC	EPA 200.7
Sodium Adsorption Ratio	7.8	0.1			12/19/2005 1111 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	650	5		mg/L	12/09/2005 1729 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/09/2005 1729 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/09/2005 1729 MD	SM 2320B
Chloride	19	1		mg/L	12/09/2005 1540 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	12/09/2005 1729 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	0.18	0.05		mg/L	12/13/2005 1258 RM	EPA 353.2
Sulfate	235	1		mg/L	12/09/2005 1540 LK	EPA 300.0
Cations						
Calcium	74	1		mg/L	12/13/2005 1033 TC	EPA 200.7
Magnesium	16	1		mg/L	12/13/2005 1033 TC	EPA 200.7
Potassium	5	1		mg/L	12/13/2005 1033 TC	EPA 200.7
Sodium	286	1		mg/L	12/13/2005 1033 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.
1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512076001

Work Order: S0512076
Collection Date: 12/8/2005
Date Received: 12/8/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512076-003
Client Sample ID: MW07
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	10.66	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Chloride	0.54	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Nitrate + Nitrite as N	0.01	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Sulfate	4.88	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Calcium	3.66	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Magnesium	1.35	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Potassium	0.13	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Sodium	12.42	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	17.57	0		meq/L	12/19/2005 1111 MD	SM 1030F
Anion Sum	16.10	0		meq/L	12/19/2005 1111 MD	SM 1030F
Cation-Anion Balance	4.36	0		%	12/19/2005 1111 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/09/2005 1518 TC	EPA 200.7
Arsenic	0.006	0.005		mg/L	12/09/2005 1324 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/09/2005 1324 MS	EPA 200.8
Boron	0.19	0.03		mg/L	12/09/2005 1518 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/09/2005 1324 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/09/2005 1518 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/09/2005 1324 MS	EPA 200.8
Iron	0.32	0.05		mg/L	12/09/2005 1518 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/09/2005 1324 MS	EPA 200.8
Manganese	0.31	0.02		mg/L	12/09/2005 1518 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/13/2005 1155 ADM	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/09/2005 1324 MS	EPA 200.8
Nickel	0.01	0.01		mg/L	12/09/2005 1518 TC	EPA 200.7
Selenium	0.576	0.005		mg/L	12/09/2005 1324 MS	EPA 200.8
Uranium	4.64	0.0001		mg/L	12/09/2005 1324 MS	EPA 200.8
Vanadium	0.05	0.02		mg/L	12/09/2005 1324 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/09/2005 1518 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512076001

Work Order: S0512076
Collection Date: 12/8/2005
Date Received: 12/8/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512076-004
Client Sample ID: 5AM78-2
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	12/09/2005 1741 MD	EPA 150.1
Electrical Conductivity	1120	5		µmhos/cm	12/09/2005 1741 MD	SM 2510B
Total Dissolved Solids (180)	760	10		mg/L	12/12/2005 820 EB	SM 2540
Solids, Total Dissolved (Calc)	760	10		mg/L	12/19/2005 1111 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/12/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	364	5		mg/L	12/09/2005 1741 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	160	1		mg/L	12/19/2005 1111 MD	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	12/12/2005 1152 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/09/2005 1219 RM	EPA 353.2
Radium 226	458 ± 12	0.2		pCi/L	12/19/2005 1250 SH	SM 7500 RA B
Silica as SiO2	8.7	0.1		mg/L	12/13/2005 1037 TC	EPA 200.7
Sodium Adsorption Ratio	7.5	0.1			12/19/2005 1111 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	445	5		mg/L	12/09/2005 1741 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/09/2005 1741 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/09/2005 1741 MD	SM 2320B
Chloride	17	1		mg/L	12/14/2005 1056 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	12/09/2005 1741 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	12/13/2005 1307 RM	EPA 353.2
Sulfate	246	1		mg/L	12/14/2005 1056 LK	EPA 300.0
Cations						
Calcium	47	1		mg/L	12/13/2005 1037 TC	EPA 200.7
Magnesium	10	1		mg/L	12/13/2005 1037 TC	EPA 200.7
Potassium	4	1		mg/L	12/13/2005 1037 TC	EPA 200.7
Sodium	218	1		mg/L	12/13/2005 1037 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512076001

Work Order: S0512076
Collection Date: 12/8/2005
Date Received: 12/8/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512076-004
Client Sample ID: 5AM78-2
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	7.28	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Chloride	0.48	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Sulfate	5.13	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Calcium	2.36	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Magnesium	0.84	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Potassium	0.10	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Sodium	9.48	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	12.78	0		meq/L	12/19/2005 1111 MD	SM 1030F
Anion Sum	12.91	0		meq/L	12/19/2005 1111 MD	SM 1030F
Cation-Anion Balance	0.47	0		%	12/19/2005 1111 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/09/2005 1522 TC	EPA 200.7
Arsenic	ND	0.005		mg/L	12/09/2005 1326 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/09/2005 1326 MS	EPA 200.8
Boron	0.14	0.03		mg/L	12/09/2005 1522 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/09/2005 1326 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/09/2005 1522 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/09/2005 1326 MS	EPA 200.8
Iron	1.08	0.05		mg/L	12/09/2005 1522 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/09/2005 1326 MS	EPA 200.8
Manganese	0.17	0.02		mg/L	12/09/2005 1522 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/13/2005 1200 ADM	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/09/2005 1326 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/09/2005 1522 TC	EPA 200.7
Selenium	0.042	0.005		mg/L	12/09/2005 1326 MS	EPA 200.8
Uranium	2.58	0.0001		mg/L	12/09/2005 1326 MS	EPA 200.8
Vanadium	0.03	0.02		mg/L	12/09/2005 1326 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/09/2005 1522 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.
1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512076001

Work Order: S0512076
Collection Date: 12/8/2005
Date Received: 12/8/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512076-005
Client Sample ID: 5AL66-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	12/09/2005 1753 MD	EPA 150.1
Electrical Conductivity	1680	5		µmhos/cm	12/09/2005 1753 MD	SM 2510B
Total Dissolved Solids (180)	1170	10		mg/L	12/12/2005 825 EB	SM 2540
Solids, Total Dissolved (Calc)	1090	10		mg/L	12/19/2005 1111 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/12/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	682	5		mg/L	12/09/2005 1753 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	309	1		mg/L	12/19/2005 1111 MD	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	12/12/2005 1159 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/09/2005 1226 RM	EPA 353.2
Radium 226	329.9 ± 9.5	0.2		pCi/L	12/19/2005 1614 SH	SM 7500 RA B
Silica as SiO2	8.0	0.1		mg/L	12/13/2005 1041 TC	EPA 200.7
Sodium Adsorption Ratio	8.0	0.1			12/19/2005 1111 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	832	5		mg/L	12/09/2005 1753 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/09/2005 1753 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/09/2005 1753 MD	SM 2320B
Chloride	24	1		mg/L	12/09/2005 1609 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	12/09/2005 1753 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	12/13/2005 1308 RM	EPA 353.2
Sulfate	222	1		mg/L	12/09/2005 1609 LK	EPA 300.0
Cations						
Calcium	93	1		mg/L	12/13/2005 1041 TC	EPA 200.7
Magnesium	19	1		mg/L	12/13/2005 1041 TC	EPA 200.7
Potassium	6	1		mg/L	12/13/2005 1041 TC	EPA 200.7
Sodium	322	1		mg/L	12/13/2005 1041 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512076001

Work Order: S0512076
Collection Date: 12/8/2005
Date Received: 12/8/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512076-005
Client Sample ID: 5AL66-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	13.64	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Chloride	0.67	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Sulfate	4.61	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Calcium	4.62	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Magnesium	1.56	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Potassium	0.16	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Sodium	14.01	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	20.35	0		meq/L	12/19/2005 1111 MD	SM 1030F
Anion Sum	18.93	0		meq/L	12/19/2005 1111 MD	SM 1030F
Cation-Anion Balance	3.62	0		%	12/19/2005 1111 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/09/2005 1526 TC	EPA 200.7
Arsenic	ND	0.005		mg/L	12/09/2005 1329 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/09/2005 1329 MS	EPA 200.8
Boron	0.13	0.03		mg/L	12/09/2005 1526 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/09/2005 1329 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/09/2005 1526 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/09/2005 1329 MS	EPA 200.8
Iron	ND	0.05		mg/L	12/09/2005 1526 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/09/2005 1329 MS	EPA 200.8
Manganese	0.24	0.02		mg/L	12/09/2005 1526 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/13/2005 1202 ADM	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/09/2005 1329 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/09/2005 1526 TC	EPA 200.7
Selenium	0.352	0.005		mg/L	12/09/2005 1329 MS	EPA 200.8
Uranium	4.07	0.0001		mg/L	12/09/2005 1329 MS	EPA 200.8
Vanadium	0.05	0.02		mg/L	12/09/2005 1329 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/09/2005 1526 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Reviewed by: _____
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.
1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512076001

Work Order: S0512076
Collection Date: 12/8/2005
Date Received: 12/8/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512076-006
Client Sample ID: 5AG68-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.2	0.1		s.u.	12/09/2005 1804 MD	EPA 150.1
Electrical Conductivity	436	5		µmhos/cm	12/09/2005 1804 MD	SM 2510B
Total Dissolved Solids (180)	280	10		mg/L	12/12/2005 830 EB	SM 2540
Solids, Total Dissolved (Calc)	270	10		mg/L	12/19/2005 1111 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/12/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	149	5		mg/L	12/09/2005 1804 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	69	1		mg/L	12/19/2005 1111 MD	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	12/12/2005 1200 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/09/2005 1227 RM	EPA 353.2
Radium 226	161.3 ± 6.7	0.2		pCi/L	12/19/2005 1614 SH	SM 7500 RA B
Silica as SiO2	4.0	0.1		mg/L	12/13/2005 1116 TC	EPA 200.7
Sodium Adsorption Ratio	3.9	0.1			12/19/2005 1111 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	182	5		mg/L	12/09/2005 1804 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/09/2005 1804 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/09/2005 1804 MD	SM 2320B
Chloride	5	1		mg/L	12/14/2005 1135 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	12/09/2005 1804 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	0.10	0.05		mg/L	12/13/2005 1309 RM	EPA 353.2
Sulfate	74	1		mg/L	12/14/2005 1135 LK	EPA 300.0
Cations						
Calcium	21	1		mg/L	12/13/2005 1116 TC	EPA 200.7
Magnesium	4	1		mg/L	12/13/2005 1116 TC	EPA 200.7
Potassium	3	1		mg/L	12/13/2005 1116 TC	EPA 200.7
Sodium	75	1		mg/L	12/13/2005 1116 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512076001

Work Order: S0512076
Collection Date: 12/8/2005
Date Received: 12/8/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512076-006
Client Sample ID: 5AG68-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.99	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Chloride	0.14	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Sulfate	1.54	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Calcium	1.05	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Magnesium	0.32	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Potassium	0.07	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Sodium	3.27	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	4.73	0		meq/L	12/19/2005 1111 MD	SM 1030F
Anion Sum	4.68	0		meq/L	12/19/2005 1111 MD	SM 1030F
Cation-Anion Balance	0.45	0		%	12/19/2005 1111 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/09/2005 1530 TC	EPA 200.7
Arsenic	ND	0.005		mg/L	12/09/2005 1332 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/09/2005 1332 MS	EPA 200.8
Boron	0.07	0.03		mg/L	12/09/2005 1530 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/09/2005 1332 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/09/2005 1530 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/09/2005 1332 MS	EPA 200.8
Iron	ND	0.05		mg/L	12/09/2005 1530 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/09/2005 1332 MS	EPA 200.8
Manganese	0.04	0.02		mg/L	12/09/2005 1530 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/13/2005 1204 ADM	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/09/2005 1332 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/09/2005 1530 TC	EPA 200.7
Selenium	0.147	0.005		mg/L	12/09/2005 1332 MS	EPA 200.8
Uranium	0.965	0.0001		mg/L	12/09/2005 1332 MS	EPA 200.8
Vanadium	0.12	0.02		mg/L	12/09/2005 1332 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/09/2005 1530 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512076001

Work Order: S0512076
Collection Date: 12/8/2005
Date Received: 12/8/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512076-007
Client Sample ID: TW0001
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.1	0.1		s.u.	12/09/2005 1814 MD	EPA 150.1
Electrical Conductivity	233	5		µmhos/cm	12/09/2005 1814 MD	SM 2510B
Total Dissolved Solids (180)	140	10		mg/L	12/12/2005 835 EB	SM 2540
Solids, Total Dissolved (Calc)	140	10		mg/L	12/19/2005 1111 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/12/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	75	5		mg/L	12/09/2005 1814 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	12	1		mg/L	12/19/2005 1111 MD	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	12/12/2005 1201 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/09/2005 1228 RM	EPA 353.2
Radium 226	41.2 ± 3.4	0.2		pCi/L	12/19/2005 1614 SH	SM 7500 RA B
Silica as SiO2	8.8	0.1		mg/L	12/13/2005 1119 TC	EPA 200.7
Sodium Adsorption Ratio	6.0	0.1			12/19/2005 1111 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	92	5		mg/L	12/09/2005 1814 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/09/2005 1814 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/09/2005 1814 MD	SM 2320B
Chloride	2	1		mg/L	12/14/2005 1145 LK	EPA 300.0
Fluoride	0.2	0.1		mg/L	12/09/2005 1814 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	0.05	0.05		mg/L	12/13/2005 1310 RM	EPA 353.2
Sulfate	38	1		mg/L	12/14/2005 1145 LK	EPA 300.0
Cations						
Calcium	4	1		mg/L	12/14/2005 1512 TC	EPA 200.7
Magnesium	ND	1		mg/L	12/14/2005 1512 TC	EPA 200.7
Potassium	1	1		mg/L	12/14/2005 1512 TC	EPA 200.7
Sodium	48	1		mg/L	12/14/2005 1512 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 12/30/2005
Report ID: S0512076001

Work Order: S0512076
Collection Date: 12/8/2005
Date Received: 12/8/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512076-007
Client Sample ID: TW0001
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.50	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Chloride	0.05	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Fluoride	0.01	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Sulfate	0.78	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Calcium	0.18	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Magnesium	0.05	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Potassium	0.03	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Sodium	2.09	0.01		meq/L	12/19/2005 1111 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	2.37	0		meq/L	12/19/2005 1111 MD	SM 1030F
Anion Sum	2.35	0		meq/L	12/19/2005 1111 MD	SM 1030F
Cation-Anion Balance	0.34	0		%	12/19/2005 1111 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/09/2005 1534 TC	EPA 200.7
Arsenic	0.010	0.005		mg/L	12/09/2005 1335 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/09/2005 1335 MS	EPA 200.8
Boron	0.08	0.03		mg/L	12/09/2005 1534 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/09/2005 1335 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/09/2005 1534 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/09/2005 1335 MS	EPA 200.8
Iron	ND	0.05		mg/L	12/09/2005 1534 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/09/2005 1335 MS	EPA 200.8
Manganese	ND	0.02		mg/L	12/09/2005 1534 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/13/2005 1206 ADM	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/09/2005 1335 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/09/2005 1534 TC	EPA 200.7
Selenium	0.283	0.005		mg/L	12/09/2005 1335 MS	EPA 200.8
Uranium	0.0354	0.0001		mg/L	12/09/2005 1335 MS	EPA 200.8
Vanadium	0.08	0.02		mg/L	12/09/2005 1335 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/09/2005 1534 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter-Mountain Laboratories **Date:** *03-Jan-06*

CLIENT: Cogema Mining Inc.
Project: Cogema Christensen Mine
Lab Order: S0512100

CASE NARRATIVE

Report ID: S0512100001

Samples 5AE80-1, 5BA48-1, 5BD50-1, 5BG46-1, 5BH58-2, 5BJ54-1, 5BJ62-1, and 5BK58-1 were received on December 12, 2005.

All samples were received and analyzed within the EPA recommended holding times, except those noted in this case narrative. Samples were analyzed using the methods outlined in the following references:

U.S.E.P.A. 600 "Methods for Chemical Analysis of Water and Wastes", 1993
"Standard Methods For The Examination of Water and Wastewater", 20th ed., 1995
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition

All Quality Control parameters met the acceptance criteria defined by EPA and Inter-Mountain Laboratories except as indicated in this case narrative.

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

COGEMA Mining Inc.; PO Box 730 Mills, WY 82644
Phone 464-1429 (Christensen Mine) or 234-5019 (Mills Office)

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 12-12-05 Received by Karen Bond Date 12/12/05 1700

Restoration Sample Description
Location: ___ Irigaray _x_ Christensen Mine or Production Unit 5 Module # (if applicale) _____

Restoration Phase: ___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
___ Stabilization (explain_____)

*Analysis Requested: DEQ Guideline # 8 (Ca, Mg, Na, K, CO3, HCO3, SO4, Cl, NH4, NO2, NO3, TDS, Cond., Tot. Alk., pH, SiO2, Al, As, Ba, B, Cd, Cr, Cu, F, Fe, Pb, Mn, Hg, Mo, Ni, Se, Zn, U, V, Ra226)

Send Analysis Results to : ~~Tom nicholson~~
Larry Arbogast

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Lab id Comments
1	5BJ54-1	12-12-05	Half Gal.	X		X		S0512100-001
			Quart	X				"
			8 ozs.		X			"
			8 ozs.	X			X	"
2	5BA48-1		**	**	**	**	**	002
3	5BJ62-1		**	**	**	**	**	003
4	5BG46-1		**	**	**	**	**	004
5	5BK58-1		**	**	**	**	**	005
6	5BD50-1		**	**	**	**	**	006
7	5BH58-2		**	**	**	**	**	007
8	5AE80-1		**	**	**	**	**	008
9			**	**	**	**	**	
10			**	**	**	**	**	
11			**	**	**	**	**	
12			**	**	**	**	**	
13			**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	

*All analysis will be performed in accordance with EPA approved prcedures and/or the latest edition of Standard Methods.
** Same as sample #1

L:\LARRY\[pvdsub.xls]pvdsub

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/3/2006
Report ID: S0512100001

Work Order: S0512100
Collection Date: 12/12/2005
Date Received: 12/12/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512100-001
Client Sample ID: 5BJ54-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	12/13/2005 1329 MD	EPA 150.1
Electrical Conductivity	1090	5		µmhos/cm	12/14/2005 1242 MD	SM 2510B
Total Dissolved Solids (180)	710	10		mg/L	12/14/2005 721 EB	SM 2540
Solids, Total Dissolved (Calc)	670	10		mg/L	12/20/2005 909 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/19/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	305	5		mg/L	12/13/2005 1329 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	153	1		mg/L	12/20/2005 909 MD	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	12/16/2005 1208 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1042 RM	EPA 353.2
Radium 226	589 ± 13	0.2		pCi/L	12/19/2005 1614 SH	SM 7500 RA B
Silica as SiO2	8.4	0.1		mg/L	12/13/2005 1218 TC	EPA 200.7
Sodium Adsorption Ratio	7.1	0.1			12/20/2005 909 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	372	5		mg/L	12/13/2005 1329 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/13/2005 1329 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/13/2005 1329 MD	SM 2320B
Chloride	12	1		mg/L	12/13/2005 1219 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	12/13/2005 1329 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1410 RM	EPA 353.2
Sulfate	214	1		mg/L	12/13/2005 1219 LK	EPA 300.0
Cations						
Calcium	45	1		mg/L	12/13/2005 1218 TC	EPA 200.7
Magnesium	10	1		mg/L	12/13/2005 1218 TC	EPA 200.7
Potassium	4	1		mg/L	12/13/2005 1218 TC	EPA 200.7
Sodium	201	1		mg/L	12/13/2005 1218 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.
1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/3/2006
Report ID: S0512100001

Work Order: S0512100
Collection Date: 12/12/2005
Date Received: 12/12/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512100-001
Client Sample ID: 5BJ54-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	6.09	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Chloride	0.33	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Sulfate	4.45	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Calcium	2.25	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Magnesium	0.80	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Potassium	0.10	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Sodium	8.74	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	11.91	0		meq/L	12/20/2005 909 MD	SM 1030F
Anion Sum	10.89	0		meq/L	12/20/2005 909 MD	SM 1030F
Cation-Anion Balance	4.50	0		%	12/20/2005 909 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/13/2005 1218 TC	EPA 200.7
Arsenic	ND	0.005		mg/L	12/13/2005 1045 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/13/2005 1045 MS	EPA 200.8
Boron	0.08	0.03		mg/L	12/13/2005 1218 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/13/2005 1045 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/13/2005 1218 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/13/2005 1045 MS	EPA 200.8
Iron	0.21	0.05		mg/L	12/13/2005 1218 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/13/2005 1045 MS	EPA 200.8
Manganese	0.12	0.02		mg/L	12/13/2005 1218 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/16/2005 1211 PQ	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/13/2005 1045 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/13/2005 1218 TC	EPA 200.7
Selenium	0.106	0.005		mg/L	12/13/2005 1045 MS	EPA 200.8
Uranium	1.58	0.0001		mg/L	12/13/2005 1045 MS	EPA 200.8
Vanadium	0.04	0.02		mg/L	12/13/2005 1045 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/13/2005 1218 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/3/2006
Report ID: S0512100001

Work Order: S0512100
Collection Date: 12/12/2005
Date Received: 12/12/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512100-002
Client Sample ID: 5BA48-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.2	0.1		s.u.	12/13/2005 1339 MD	EPA 150.1
Electrical Conductivity	267	5		µmhos/cm	12/14/2005 1244 MD	SM 2510B
Total Dissolved Solids (180)	150	10		mg/L	12/14/2005 726 EB	SM 2540
Solids, Total Dissolved (Calc)	150	10		mg/L	12/20/2005 909 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/19/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	91	5		mg/L	12/13/2005 1339 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	19	1		mg/L	12/20/2005 909 MD	SM 2340B
Nitrogen, Ammonia (As N)	0.2	0.1		mg/L	12/16/2005 1209 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1043 RM	EPA 353.2
Radium 226	37.9 ± 3.6	0.2		pCi/L	12/19/2005 2028 SH	SM 7500 RA B
Silica as SiO2	3.9	0.1		mg/L	12/13/2005 1222 TC	EPA 200.7
Sodium Adsorption Ratio	5.0	0.1			12/20/2005 909 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	111	5		mg/L	12/13/2005 1339 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/13/2005 1339 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/13/2005 1339 MD	SM 2320B
Chloride	2	1		mg/L	12/13/2005 1229 LK	EPA 300.0
Fluoride	0.1	0.1		mg/L	12/13/2005 1339 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1418 RM	EPA 353.2
Sulfate	36	1		mg/L	12/13/2005 1229 LK	EPA 300.0
Cations						
Calcium	6	1		mg/L	12/15/2005 1011 TC	EPA 200.7
Magnesium	1	1		mg/L	12/15/2005 1011 TC	EPA 200.7
Potassium	1	1		mg/L	12/15/2005 1011 TC	EPA 200.7
Sodium	50	1		mg/L	12/15/2005 1011 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/3/2006
Report ID: S0512100001

Work Order: S0512100
Collection Date: 12/12/2005
Date Received: 12/12/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512100-002
Client Sample ID: 5BA48-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.81	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Chloride	0.04	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Sulfate	0.74	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Calcium	0.28	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Magnesium	0.09	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Potassium	0.03	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Sodium	2.18	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	2.60	0		meq/L	12/20/2005 909 MD	SM 1030F
Anion Sum	2.60	0		meq/L	12/20/2005 909 MD	SM 1030F
Cation-Anion Balance	0.01	0		%	12/20/2005 909 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/13/2005 1222 TC	EPA 200.7
Arsenic	ND	0.005		mg/L	12/13/2005 1048 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/13/2005 1048 MS	EPA 200.8
Boron	0.05	0.03		mg/L	12/13/2005 1222 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/13/2005 1048 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/13/2005 1222 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/13/2005 1048 MS	EPA 200.8
Iron	ND	0.05		mg/L	12/13/2005 1222 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/13/2005 1048 MS	EPA 200.8
Manganese	ND	0.02		mg/L	12/13/2005 1222 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/16/2005 1213 PQ	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/13/2005 1048 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/13/2005 1222 TC	EPA 200.7
Selenium	0.069	0.005		mg/L	12/13/2005 1048 MS	EPA 200.8
Uranium	0.396	0.0001		mg/L	12/13/2005 1048 MS	EPA 200.8
Vanadium	0.09	0.02		mg/L	12/13/2005 1048 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/13/2005 1222 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/3/2006
Report ID: S0512100001

Work Order: S0512100
Collection Date: 12/12/2005
Date Received: 12/12/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512100-003
Client Sample ID: 5BJ62-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.2	0.1		s.u.	12/13/2005 1350 MD	EPA 150.1
Electrical Conductivity	691	5		µmhos/cm	12/14/2005 1246 MD	SM 2510B
Total Dissolved Solids (180)	430	10		mg/L	12/14/2005 731 EB	SM 2540
Solids, Total Dissolved (Calc)	430	10		mg/L	12/20/2005 909 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/19/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	250	5		mg/L	12/13/2005 1350 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	99	1		mg/L	12/20/2005 909 MD	SM 2340B
Nitrogen, Ammonia (As N)	0.1	0.1		mg/L	12/16/2005 1210 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1044 RM	EPA 353.2
Radium 226	93.9 ± 5.5	0.2		pCi/L	12/19/2005 2028 SH	SM 7500 RA B
Silica as SiO2	5.5	0.1		mg/L	12/13/2005 1226 TC	EPA 200.7
Sodium Adsorption Ratio	5.4	0.1			12/20/2005 909 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	305	5		mg/L	12/13/2005 1350 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/13/2005 1350 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/13/2005 1350 MD	SM 2320B
Chloride	6	1		mg/L	12/19/2005 1039 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	12/13/2005 1350 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1419 RM	EPA 353.2
Sulfate	115	1		mg/L	12/19/2005 1039 LK	EPA 300.0
Cations						
Calcium	31	1		mg/L	12/13/2005 1226 TC	EPA 200.7
Magnesium	6	1		mg/L	12/13/2005 1226 TC	EPA 200.7
Potassium	3	1		mg/L	12/15/2005 1015 TC	EPA 200.7
Sodium	124	1		mg/L	12/13/2005 1226 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/3/2006
Report ID: S0512100001

Work Order: S0512100
Collection Date: 12/12/2005
Date Received: 12/12/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512100-003
Client Sample ID: 5BJ62-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.99	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Chloride	0.16	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Sulfate	2.38	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Calcium	1.52	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Magnesium	0.46	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Potassium	0.07	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Sodium	5.38	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	7.44	0		meq/L	12/20/2005 909 MD	SM 1030F
Anion Sum	7.54	0		meq/L	12/20/2005 909 MD	SM 1030F
Cation-Anion Balance	0.67	0		%	12/20/2005 909 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/13/2005 1226 TC	EPA 200.7
Arsenic	ND	0.005		mg/L	12/13/2005 1056 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/13/2005 1056 MS	EPA 200.8
Boron	0.06	0.03		mg/L	12/13/2005 1226 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/13/2005 1056 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/13/2005 1226 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/13/2005 1056 MS	EPA 200.8
Iron	ND	0.05		mg/L	12/13/2005 1226 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/13/2005 1056 MS	EPA 200.8
Manganese	0.06	0.02		mg/L	12/13/2005 1226 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/16/2005 1215 PQ	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/13/2005 1056 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/13/2005 1226 TC	EPA 200.7
Selenium	0.020	0.005		mg/L	12/13/2005 1056 MS	EPA 200.8
Uranium	2.08	0.0001		mg/L	12/13/2005 1056 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	12/13/2005 1056 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/13/2005 1226 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/3/2006
Report ID: S0512100001

Work Order: S0512100
Project: Cogema Christensen Mine
Collection Date: 12/12/2005
Lab ID: S0512100-004
Date Received: 12/12/2005 5:00:00 PM
Client Sample ID: 5BG46-1
Sampler:
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.2	0.1		s.u.	12/13/2005 1401 MD	EPA 150.1
Electrical Conductivity	530	5		µmhos/cm	12/14/2005 1248 MD	SM 2510B
Total Dissolved Solids (180)	320	10		mg/L	12/14/2005 736 EB	SM 2540
Solids, Total Dissolved (Calc)	320	10		mg/L	12/20/2005 909 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/19/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	206	5		mg/L	12/13/2005 1401 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	51	1		mg/L	12/20/2005 909 MD	SM 2340B
Nitrogen, Ammonia (As N)	0.2	0.1		mg/L	12/16/2005 1211 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1045 RM	EPA 353.2
Radium 226	242.0 ± 8.2	0.2		pCi/L	12/19/2005 2028 SH	SM 7500 RA B
Silica as SiO2	5.9	0.1		mg/L	12/13/2005 1229 TC	EPA 200.7
Sodium Adsorption Ratio	6.5	0.1			12/20/2005 909 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	251	5		mg/L	12/13/2005 1401 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/13/2005 1401 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/13/2005 1401 MD	SM 2320B
Chloride	4	1		mg/L	12/19/2005 1049 LK	EPA 300.0
Fluoride	0.1	0.1		mg/L	12/13/2005 1401 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1420 RM	EPA 353.2
Sulfate	67	1		mg/L	12/19/2005 1049 LK	EPA 300.0
Cations						
Calcium	15	1		mg/L	12/15/2005 1019 TC	EPA 200.7
Magnesium	3	1		mg/L	12/13/2005 1229 TC	EPA 200.7
Potassium	2	1		mg/L	12/15/2005 1019 TC	EPA 200.7
Sodium	107	1		mg/L	12/15/2005 1019 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/3/2006
Report ID: S0512100001

Work Order: S0512100
Collection Date: 12/12/2005
Date Received: 12/12/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512100-004
Client Sample ID: 5BG46-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.11	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Chloride	0.10	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Sulfate	1.40	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Calcium	0.74	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Magnesium	0.26	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Potassium	0.05	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Sodium	4.65	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	5.72	0		meq/L	12/20/2005 909 MD	SM 1030F
Anion Sum	5.61	0		meq/L	12/20/2005 909 MD	SM 1030F
Cation-Anion Balance	0.90	0		%	12/20/2005 909 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/13/2005 1229 TC	EPA 200.7
Arsenic	ND	0.005		mg/L	12/13/2005 1059 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/13/2005 1059 MS	EPA 200.8
Boron	0.07	0.03		mg/L	12/13/2005 1229 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/13/2005 1059 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/13/2005 1229 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/13/2005 1059 MS	EPA 200.8
Iron	0.19	0.05		mg/L	12/13/2005 1229 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/13/2005 1059 MS	EPA 200.8
Manganese	0.04	0.02		mg/L	12/13/2005 1229 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/16/2005 1217 PQ	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/13/2005 1059 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/13/2005 1229 TC	EPA 200.7
Selenium	0.082	0.005		mg/L	12/13/2005 1059 MS	EPA 200.8
Uranium	1.15	0.0001		mg/L	12/13/2005 1059 MS	EPA 200.8
Vanadium	0.03	0.02		mg/L	12/13/2005 1059 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/13/2005 1229 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/3/2006
Report ID: S0512100001

Work Order: S0512100
Project: Cogema Christensen Mine
Collection Date: 12/12/2005
Lab ID: S0512100-005
Date Received: 12/12/2005 5:00:00 PM
Client Sample ID: 5BK58-1
Sampler:
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	12/13/2005 1412 MD	EPA 150.1
Electrical Conductivity	1150	5		µmhos/cm	12/14/2005 1250 MD	SM 2510B
Total Dissolved Solids (180)	740	10		mg/L	12/14/2005 741 EB	SM 2540
Solids, Total Dissolved (Calc)	700	10		mg/L	12/20/2005 909 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/19/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	313	5		mg/L	12/13/2005 1412 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	120	1		mg/L	12/20/2005 909 MD	SM 2340B
Nitrogen, Ammonia (As N)	0.2	0.1		mg/L	12/16/2005 1212 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1046 RM	EPA 353.2
Radium 226	1095 ± 18	0.2		pCi/L	12/19/2005 2028 SH	SM 7500 RA B
Silica as SiO2	7.8	0.1		mg/L	12/13/2005 1233 TC	EPA 200.7
Sodium Adsorption Ratio	8.8	0.1			12/20/2005 909 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	382	5		mg/L	12/13/2005 1412 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/13/2005 1412 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/13/2005 1412 MD	SM 2320B
Chloride	11	1		mg/L	12/13/2005 1308 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	12/13/2005 1412 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1421 RM	EPA 353.2
Sulfate	230	1		mg/L	12/13/2005 1308 LK	EPA 300.0
Cations						
Calcium	35	1		mg/L	12/13/2005 1233 TC	EPA 200.7
Magnesium	8	1		mg/L	12/13/2005 1233 TC	EPA 200.7
Potassium	4	1		mg/L	12/13/2005 1233 TC	EPA 200.7
Sodium	222	1		mg/L	12/13/2005 1233 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/3/2006
Report ID: S0512100001

Work Order: S0512100
Collection Date: 12/12/2005
Date Received: 12/12/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512100-005
Client Sample ID: 5BK58-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	6.26	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Chloride	0.30	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Sulfate	4.77	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Calcium	1.75	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Magnesium	0.63	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Potassium	0.09	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Sodium	9.66	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	12.15	0		meq/L	12/20/2005 909 MD	SM 1030F
Anion Sum	11.35	0		meq/L	12/20/2005 909 MD	SM 1030F
Cation-Anion Balance	3.39	0		%	12/20/2005 909 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/13/2005 1233 TC	EPA 200.7
Arsenic	ND	0.005		mg/L	12/13/2005 1102 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/13/2005 1102 MS	EPA 200.8
Boron	0.08	0.03		mg/L	12/13/2005 1233 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/13/2005 1102 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/13/2005 1233 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/13/2005 1102 MS	EPA 200.8
Iron	0.23	0.05		mg/L	12/13/2005 1233 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/13/2005 1102 MS	EPA 200.8
Manganese	0.09	0.02		mg/L	12/13/2005 1233 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/16/2005 1219 PQ	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/13/2005 1102 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/13/2005 1233 TC	EPA 200.7
Selenium	0.125	0.005		mg/L	12/13/2005 1102 MS	EPA 200.8
Uranium	1.79	0.0001		mg/L	12/13/2005 1102 MS	EPA 200.8
Vanadium	0.05	0.02		mg/L	12/13/2005 1102 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/13/2005 1233 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/3/2006
Report ID: S0512100001

Work Order: S0512100
Collection Date: 12/12/2005
Date Received: 12/12/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512100-006
Client Sample ID: 5BD50-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.2	0.1		s.u.	12/13/2005 1423 MD	EPA 150.1
Electrical Conductivity	546	5		µmhos/cm	12/14/2005 1252 MD	SM 2510B
Total Dissolved Solids (180)	330	10		mg/L	12/14/2005 746 EB	SM 2540
Solids, Total Dissolved (Calc)	330	10		mg/L	12/20/2005 909 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/19/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	198	5		mg/L	12/13/2005 1423 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	43	1		mg/L	12/20/2005 909 MD	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	12/16/2005 1213 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1047 RM	EPA 353.2
Radium 226	124.0 ± 5.9	0.2		pCi/L	12/19/2005 2028 SH	SM 7500 RA B
Silica as SiO2	5.6	0.1		mg/L	12/13/2005 1237 TC	EPA 200.7
Sodium Adsorption Ratio	7.4	0.1			12/20/2005 909 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	241	5		mg/L	12/13/2005 1423 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/13/2005 1423 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/13/2005 1423 MD	SM 2320B
Chloride	5	1		mg/L	12/19/2005 1058 LK	EPA 300.0
Fluoride	0.1	0.1		mg/L	12/13/2005 1423 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1422 RM	EPA 353.2
Sulfate	79	1		mg/L	12/19/2005 1058 LK	EPA 300.0
Cations						
Calcium	13	1		mg/L	12/15/2005 1023 TC	EPA 200.7
Magnesium	3	1		mg/L	12/15/2005 1023 TC	EPA 200.7
Potassium	2	1		mg/L	12/15/2005 1023 TC	EPA 200.7
Sodium	112	1		mg/L	12/15/2005 1023 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/3/2006
Report ID: S0512100001

Work Order: S0512100
Collection Date: 12/12/2005
Date Received: 12/12/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512100-006
Client Sample ID: 5BD50-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.95	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Chloride	0.14	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Sulfate	1.64	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Calcium	0.63	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Magnesium	0.22	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Potassium	0.06	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Sodium	4.88	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	5.80	0		meq/L	12/20/2005 909 MD	SM 1030F
Anion Sum	5.75	0		meq/L	12/20/2005 909 MD	SM 1030F
Cation-Anion Balance	0.43	0		%	12/20/2005 909 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/13/2005 1237 TC	EPA 200.7
Arsenic	0.014	0.005		mg/L	12/13/2005 1105 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/13/2005 1105 MS	EPA 200.8
Boron	0.05	0.03		mg/L	12/13/2005 1237 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/13/2005 1105 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/13/2005 1237 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/13/2005 1105 MS	EPA 200.8
Iron	ND	0.05		mg/L	12/13/2005 1237 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/13/2005 1105 MS	EPA 200.8
Manganese	0.03	0.02		mg/L	12/13/2005 1237 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/16/2005 1221 PQ	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/13/2005 1105 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/13/2005 1237 TC	EPA 200.7
Selenium	0.517	0.005		mg/L	12/13/2005 1105 MS	EPA 200.8
Uranium	1.96	0.0001		mg/L	12/13/2005 1105 MS	EPA 200.8
Vanadium	0.19	0.02		mg/L	12/13/2005 1105 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/13/2005 1237 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/3/2006
Report ID: S0512100001

Work Order: S0512100
Collection Date: 12/12/2005
Date Received: 12/12/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512100-007
Client Sample ID: 5BH58-2
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.3	0.1		s.u.	12/13/2005 1433 MD	EPA 150.1
Electrical Conductivity	636	5		µmhos/cm	12/14/2005 1256 MD	SM 2510B
Total Dissolved Solids (180)	390	10		mg/L	12/14/2005 751 EB	SM 2540
Solids, Total Dissolved (Calc)	390	10		mg/L	12/20/2005 909 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/19/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	284	5		mg/L	12/13/2005 1433 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	59	1		mg/L	12/20/2005 909 MD	SM 2340B
Nitrogen, Ammonia (As N)	0.2	0.1		mg/L	12/16/2005 1214 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1048 RM	EPA 353.2
Radium 226	521 ± 12	0.2		pCi/L	12/19/2005 2028 SH	SM 7500 RA B
Silica as SiO2	5.4	0.1		mg/L	12/13/2005 1241 TC	EPA 200.7
Sodium Adsorption Ratio	7.7	0.1			12/20/2005 909 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	339	5		mg/L	12/13/2005 1433 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/13/2005 1433 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/13/2005 1433 MD	SM 2320B
Chloride	2	1		mg/L	12/19/2005 1156 LK	EPA 300.0
Fluoride	0.2	0.1		mg/L	12/13/2005 1433 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1423 RM	EPA 353.2
Sulfate	58	1		mg/L	12/19/2005 1156 LK	EPA 300.0
Cations						
Calcium	18	1		mg/L	12/15/2005 1027 TC	EPA 200.7
Magnesium	4	1		mg/L	12/15/2005 1027 TC	EPA 200.7
Potassium	3	1		mg/L	12/15/2005 1027 TC	EPA 200.7
Sodium	136	1		mg/L	12/15/2005 1027 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
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- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/3/2006
Report ID: S0512100001

Work Order: S0512100
Collection Date: 12/12/2005
Date Received: 12/12/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512100-007
Client Sample ID: 5BH58-2
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	5.55	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Carbonate as CO3	0.13	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Chloride	0.06	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Sulfate	1.21	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Calcium	0.88	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Magnesium	0.29	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Potassium	0.07	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Sodium	5.89	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	7.14	0		meq/L	12/20/2005 909 MD	SM 1030F
Anion Sum	6.97	0		meq/L	12/20/2005 909 MD	SM 1030F
Cation-Anion Balance	1.24	0		%	12/20/2005 909 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/13/2005 1241 TC	EPA 200.7
Arsenic	0.014	0.005		mg/L	12/13/2005 1108 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/13/2005 1108 MS	EPA 200.8
Boron	0.06	0.03		mg/L	12/13/2005 1241 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/13/2005 1108 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/13/2005 1241 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/13/2005 1108 MS	EPA 200.8
Iron	ND	0.05		mg/L	12/13/2005 1241 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/13/2005 1108 MS	EPA 200.8
Manganese	0.04	0.02		mg/L	12/13/2005 1241 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/16/2005 1223 PQ	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/13/2005 1108 MS	EPA 200.8
Nickel	ND	0.01		mg/L	12/13/2005 1241 TC	EPA 200.7
Selenium	0.173	0.005		mg/L	12/13/2005 1108 MS	EPA 200.8
Uranium	1.79	0.0001		mg/L	12/13/2005 1108 MS	EPA 200.8
Vanadium	0.12	0.02		mg/L	12/13/2005 1108 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/13/2005 1241 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	L	Analyzed by a contract laboratory
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/3/2006
Report ID: S0512100001

Work Order: S0512100
Collection Date: 12/12/2005
Date Received: 12/12/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512100-008
Client Sample ID: 5AE80-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	12/13/2005 1458 MD	EPA 150.1
Electrical Conductivity	1930	5		µmhos/cm	12/14/2005 1258 MD	SM 2510B
Total Dissolved Solids (180)	1300	10		mg/L	12/14/2005 756 EB	SM 2540
Solids, Total Dissolved (Calc)	1330	10		mg/L	12/20/2005 909 MD	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	12/19/2005 000 MD	SM 2310B
Alkalinity, Total (As CaCO3)	631	5		mg/L	12/13/2005 1458 MD	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	366	1		mg/L	12/20/2005 909 MD	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	12/16/2005 1215 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1055 RM	EPA 353.2
Radium 226	257.6 ± 8.7	0.2		pCi/L	12/19/2005 2028 SH	SM 7500 RA B
Silica as SiO2	11.8	0.1		mg/L	12/13/2005 1257 TC	EPA 200.7
Sodium Adsorption Ratio	8.1	0.1			12/20/2005 909 MD	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	770	5		mg/L	12/13/2005 1458 MD	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	12/13/2005 1458 MD	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	12/13/2005 1458 MD	SM 2320B
Chloride	39	1		mg/L	12/19/2005 1216 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	12/13/2005 1458 MD	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	12/14/2005 1424 RM	EPA 353.2
Sulfate	414	1		mg/L	12/19/2005 1216 LK	EPA 300.0
Cations						
Calcium	112	1		mg/L	12/15/2005 1146 TC	EPA 200.7
Magnesium	21	1		mg/L	12/15/2005 1146 TC	EPA 200.7
Potassium	7	1		mg/L	12/15/2005 1146 TC	EPA 200.7
Sodium	357	1		mg/L	12/15/2005 1146 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/3/2006
Report ID: S0512100001

Work Order: S0512100
Collection Date: 12/12/2005
Date Received: 12/12/2005 5:00:00 PM
Sampler:

Project: Cogema Christensen Mine
Lab ID: S0512100-008
Client Sample ID: 5AE80-1
Matrix: Water

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	12.62	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Chloride	1.09	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Fluoride	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Sulfate	8.61	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Calcium	5.56	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Magnesium	1.75	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Potassium	0.17	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Sodium	15.54	0.01		meq/L	12/20/2005 909 MD	SM 1030F
Cation / Anion Balance						
Cation Sum	23.04	0		meq/L	12/20/2005 909 MD	SM 1030F
Anion Sum	22.32	0		meq/L	12/20/2005 909 MD	SM 1030F
Cation-Anion Balance	1.59	0		%	12/20/2005 909 MD	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	12/13/2005 1257 TC	EPA 200.7
Arsenic	0.007	0.005		mg/L	12/13/2005 1111 MS	EPA 200.8
Barium	ND	0.5		mg/L	12/13/2005 1111 MS	EPA 200.8
Boron	0.12	0.03		mg/L	12/13/2005 1257 TC	EPA 200.7
Cadmium	ND	0.002		mg/L	12/13/2005 1111 MS	EPA 200.8
Chromium	ND	0.01		mg/L	12/13/2005 1257 TC	EPA 200.7
Copper	ND	0.01		mg/L	12/13/2005 1111 MS	EPA 200.8
Iron	0.77	0.05		mg/L	12/13/2005 1257 TC	EPA 200.7
Lead	ND	0.02		mg/L	12/13/2005 1111 MS	EPA 200.8
Manganese	0.40	0.02		mg/L	12/13/2005 1257 TC	EPA 200.7
Mercury	ND	0.001		mg/L	12/16/2005 1224 PQ	EPA 245.1
Molybdenum	ND	0.02		mg/L	12/13/2005 1111 MS	EPA 200.8
Nickel	0.02	0.01		mg/L	12/13/2005 1257 TC	EPA 200.7
Selenium	0.054	0.005		mg/L	12/13/2005 1111 MS	EPA 200.8
Uranium	2.67	0.0001		mg/L	12/13/2005 1111 MS	EPA 200.8
Vanadium	0.11	0.02		mg/L	12/13/2005 1111 MS	EPA 200.8
Zinc	ND	0.01		mg/L	12/13/2005 1257 TC	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- L Analyzed by a contract laboratory
- S Spike Recovery outside accepted recovery limits

Reviewed by:
Wade Nieuwsma, Project Manager