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 1-14-03 Received by [signature] Date 1/14/04

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

Restoration Phase: ___ Groundwater Sweep (explain_____)
_X_ 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	Mob 66/2PVD	1-14-04	Half Gal.	X		X		
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	Mob 65/2PVD		**	**	**	**	**	
3	Mob 22/1PVD		**	**	**	**	**	
4	2 W50-1		**	**	**	**	**	OPEN under Hood = H_2S GAS
5	2 T ~~46~~-1		**	**	**	**	**	
6	2 X54-1		**	**	**	**	**	
7	2 W52-1		**	**	**	**	**	
8	2 W38-1		**	**	**	**	**	
9	2 V56-1		**	**	**	**	**	
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 Avenu
Sheridan, WY 8280

Report ID: 010400437

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2W50-1
Lab ID: 0104W00440
Matrix: Water
Condition: Cool/Intact

Date Received: 01/14/04
Date Reported: 01/28/04
Date Sampled: 01/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.7	s.u.			0.1	EPA 150.1	01/15/04	1729	RM
Lab Conductivity @ 25°C	333	µmhos/cm			5	SM 2510 B	01/15/04	1729	RM
Total Dissolved Solids @ 180°C	220	mg/L			10	SM 2540 C	01/15/04	0945	SV
Total Dissolved Solids(Calc)	190	mg/L			10	SM 1030 F.	01/16/04	1438	
Total Alkalinity as CaCO3	74.0	mg/L			1.0	SM 2320 B	01/15/04	1729	RM
Total Hardness as CaCO3	68.0	mg/L			1.0	SM 2340 B	01/16/04	0613	
Ammonia Nitrogen	0.3	mg/L			0.1	EPA 350.1	01/20/04	1642	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	01/15/04	1409	JF
Radium 226	75.1±3.8	pCi/L			0.2	SM 7500 Ra-B	01/20/04	2034	TP
Silica as SiO2	8.9	mg/L			0.1	EPA 200.7	01/16/04	0613	MH
Sodium Adsorption Ratio	2.2				N/A	Calculations	01/16/04	0613	
Anions									
Bicarbonate as HCO3	90.3	mg/L	1.48	meq/L	1.0	SM 2320 B	01/15/04	1729	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	01/15/04	1729	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	01/15/04	1729	RM
Chloride	3.2	mg/L	0.09	meq/L	1.0	EPA 300.0	01/15/04	0815	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	01/15/04	1729	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	01/16/04	1438	JF
Sulfate	71.1	mg/L	1.48	meq/L	1.0	EPA 300.0	01/15/04	0815	LK
Cations									
Calcium	23.2	mg/L	1.16	meq/L	1.0	EPA 200.7	01/16/04	0613	MH
Magnesium	2.4	mg/L	0.20	meq/L	1.0	EPA 200.7	01/16/04	0613	MH
Potassium	<1.0	mg/L	0.01	meq/L	1.0	EPA 200.7	01/16/04	0613	MH
Sodium	42.4	mg/L	1.84	meq/L	0.2	EPA 200.7	01/16/04	0613	MH
Cations			3.20	meq/L	N/A	SM 1030 F.	01/16/04	0613	
Anions			3.05	meq/L	N/A	SM 1030 F.	01/16/04	1438	
Cation-Anion Difference			0.15	meq/L	N/A	SM 1030 F.	01/16/04	0613	

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 Avenu
Sheridan, WY 8280

Report ID: 010400437

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2W50-1
Lab ID: 0104W00440
Matrix: Water
Condition: Cool/Intact

Date Received: 01/14/04
Date Reported: 01/28/04
Date Sampled: 01/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	01/16/04	0613	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	01/16/04	0955	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	01/16/04	0955	MS
Boron	0.06	mg/L		0.01	EPA 200.7	01/16/04	0613	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	01/16/04	0955	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	01/16/04	0613	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	01/16/04	0955	MS
Iron	1.08	mg/L		0.05	EPA 200.7	01/16/04	0613	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	01/16/04	0955	MS
Manganese	0.26	mg/L		0.02	EPA 200.7	01/16/04	0613	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	01/20/04	0954	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	01/16/04	0955	MS
Nickel	0.02	mg/L		0.01	EPA 200.7	01/16/04	0613	MH
Selenium	0.011	mg/L		0.005	EPA 200.8	01/16/04	0955	MS
Uranium	0.0907	mg/L		0.0001	EPA 200.8	01/16/04	0955	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	01/16/04	0955	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	01/16/04	0613	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:

Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1633 Terra Avenu
Sheridan, WY 8280

Report ID: 010400437

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2T46-1
Lab ID: 0104W00441
Matrix: Water
Condition: Cool/Intact

Date Received: 01/14/04
Date Reported: 01/28/04
Date Sampled: 01/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.1	s.u.			0.1	EPA 150.1	01/15/04	1741	RM
Lab Conductivity @ 25°C	427	µmhos/cm			5	SM 2510 B	01/15/04	1741	RM
Total Dissolved Solids @ 180°C	290	mg/L			10	SM 2540 C	01/15/04	0945	SV
Total Dissolved Solids(Calc)	260	mg/L			10	SM 1030 F.	01/16/04	1439	
Total Alkalinity as CaCO3	176	mg/L			1.0	SM 2320 B	01/15/04	1741	RM
Total Hardness as CaCO3	142	mg/L			1.0	SM 2340 B	01/16/04	0613	
Ammonia Nitrogen	0.3	mg/L			0.1	EPA 350.1	01/20/04	1642	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	01/15/04	1410	JF
Radium 226	336±12	pCi/L			0.2	SM 7500 Ra-B	01/20/04	2034	TP
Silica as SiO2	8.8	mg/L			0.1	EPA 200.7	01/16/04	0613	MH
Sodium Adsorption Ratio	1.5				N/A	Calculations	01/16/04	0613	
Anions									
Bicarbonate as HCO3	215	mg/L	3.52	meq/L	1.0	SM 2320 B	01/15/04	1741	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	01/15/04	1741	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	01/15/04	1741	RM
Chloride	2.5	mg/L	0.07	meq/L	1.0	EPA 300.0	01/15/04	0815	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	01/15/04	1741	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	01/16/04	1439	JF
Sulfate	52.1	mg/L	1.08	meq/L	1.0	EPA 300.0	01/15/04	0815	LK
Cations									
Calcium	47.1	mg/L	2.35	meq/L	1.0	EPA 200.7	01/16/04	0613	MH
Magnesium	6.0	mg/L	0.49	meq/L	1.0	EPA 200.7	01/16/04	0613	MH
Potassium	1.0	mg/L	0.03	meq/L	1.0	EPA 200.7	01/16/04	0613	MH
Sodium	41.5	mg/L	1.81	meq/L	0.2	EPA 200.7	01/16/04	0613	MH
Cations			4.68	meq/L	N/A	SM 1030 F.	01/16/04	0613	
Anions			4.67	meq/L	N/A	SM 1030 F.	01/16/04	1439	
Cation/Anion Balance			0.11	%	N/A	SM 1030 F.	01/16/04	0613	

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 Avenu
Sheridan, WY 8280

Report ID: 010400437

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2T46-1
Lab ID: 0104W00441
Matrix: Water
Condition: Cool/Intact

Date Received: 01/14/04
Date Reported: 01/28/04
Date Sampled: 01/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	01/16/04	0613	MH
Arsenic	0.011	mg/L		0.005	EPA 200.8	01/16/04	0957	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	01/16/04	0957	MS
Boron	0.05	mg/L		0.01	EPA 200.7	01/16/04	0613	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	01/16/04	0957	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	01/16/04	0613	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	01/16/04	0957	MS
Iron	0.52	mg/L		0.05	EPA 200.7	01/16/04	0613	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	01/16/04	0957	MS
Manganese	0.13	mg/L		0.02	EPA 200.7	01/16/04	0613	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	01/20/04	0954	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	01/16/04	0957	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	01/16/04	0613	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	01/16/04	0957	MS
Uranium	0.257	mg/L		0.0001	EPA 200.8	01/16/04	0957	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	01/16/04	0957	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	01/16/04	0613	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:

Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1633 Terra Avenu
Sheridan, WY 8280

Report ID: 010400437

WATER QUALITY REPORT

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

Project: Christensen
Sample ID: 2X54-1
Lab ID: 0104W00442
Matrix: Water
Condition: Cool/Intact

Date Received: 01/14/04
Date Reported: 01/28/04
Date Sampled: 01/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.1	s.u.			0.1	EPA 150.1	01/15/04	1754	RM
Lab Conductivity @ 25°C	610	µmhos/cm			5	SM 2510 B	01/15/04	1754	RM
Total Dissolved Solids @ 180°C	420	mg/L			10	SM 2540 C	01/15/04	0945	SV
Total Dissolved Solids(Calc)	370	mg/L			10	SM 1030 F.	01/16/04	1440	
Total Alkalinity as CaCO3	226	mg/L			1.0	SM 2320 B	01/15/04	1754	RM
Total Hardness as CaCO3	174	mg/L			1.0	SM 2340 B	01/16/04	0613	
Ammonia Nitrogen	0.3	mg/L			0.1	EPA 350.1	01/20/04	1642	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	01/15/04	1411	JF
Radium 226	422±13	pCi/L			0.2	SM 7500 Ra-B	01/20/04	2034	TP
Silica as SiO2	20.9	mg/L			0.1	EPA 200.7	01/16/04	0613	MH
Sodium Adsorption Ratio	2.5				N/A	Calculations	01/16/04	0613	
Anions									
Bicarbonate as HCO3	276	mg/L	4.52	meq/L	1.0	SM 2320 B	01/15/04	1754	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	01/15/04	1754	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	01/15/04	1754	RM
Chloride	5.7	mg/L	0.16	meq/L	1.0	EPA 300.0	01/15/04	0815	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	01/15/04	1754	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	01/16/04	1440	JF
Sulfate	90.9	mg/L	1.89	meq/L	1.0	EPA 300.0	01/15/04	0815	LK
Cations									
Calcium	59.8	mg/L	2.98	meq/L	1.0	EPA 200.7	01/16/04	0613	MH
Magnesium	6.1	mg/L	0.50	meq/L	1.0	EPA 200.7	01/16/04	0613	MH
Potassium	1.1	mg/L	0.03	meq/L	1.0	EPA 200.7	01/16/04	0613	MH
Sodium	75.0	mg/L	3.26	meq/L	0.2	EPA 200.7	01/16/04	0613	MH
Cations			6.77	meq/L	N/A	SM 1030 F.	01/16/04	0613	
Anions			6.57	meq/L	N/A	SM 1030 F.	01/16/04	1440	
Cation/Anion Balance			1.50	%	N/A	SM 1030 F.	01/16/04	0613	

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 Avenu
Sheridan, WY 8280

Report ID: 010400437

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2X54-1
Lab ID: 0104W00442
Matrix: Water
Condition: Cool/Intact

Date Received: 01/14/04
Date Reported: 01/28/04
Date Sampled: 01/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	01/16/04	0613	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	01/16/04	1002	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	01/16/04	1002	MS
Boron	0.07	mg/L		0.01	EPA 200.7	01/16/04	0613	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	01/16/04	1002	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	01/16/04	0613	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	01/16/04	1002	MS
Iron	0.23	mg/L		0.05	EPA 200.7	01/16/04	0613	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	01/16/04	1002	MS
Manganese	0.19	mg/L		0.02	EPA 200.7	01/16/04	0613	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	01/20/04	0954	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	01/16/04	1002	MS
Nickel	0.02	mg/L		0.01	EPA 200.7	01/16/04	0613	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	01/16/04	1002	MS
Uranium	0.380	mg/L		0.0001	EPA 200.8	01/16/04	1002	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	01/16/04	1002	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	01/16/04	0613	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:

Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1633 Terra Avenu
Sheridan, WY 8280

Report ID: 010400437

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2U52-1
Lab ID: 0104W00443
Matrix: Water
Condition: Cool/Intact

Date Received: 01/14/04
Date Reported: 01/28/04
Date Sampled: 01/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.8	s.u.			0.1	EPA 150.1	01/15/04	1806	RM
Lab Conductivity @ 25°C	422	µmhos/cm			5	SM 2510 B	01/15/04	1806	RM
Total Dissolved Solids @ 180°C	280	mg/L			10	SM 2540 C	01/15/04	0945	SV
Total Dissolved Solids(Calc)	260	mg/L			10	SM 1030 F.	01/16/04	1441	
Total Alkalinity as CaCO3	114	mg/L			1.0	SM 2320 B	01/15/04	1806	RM
Total Hardness as CaCO3	126	mg/L			1.0	SM 2340 B	01/16/04	0613	
Ammonia Nitrogen	0.3	mg/L			0.1	EPA 350.1	01/20/04	1642	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	01/15/04	1412	JF
Radium 226	97.3±6.3	pCi/L			0.2	SM 7500 Ra-B	01/20/04	2034	TP
Silica as SiO2	7.2	mg/L			0.1	EPA 200.7	01/16/04	0613	MH
Sodium Adsorption Ratio	1.7				N/A	Calculations	01/16/04	0613	
Anions									
Bicarbonate as HCO3	139	mg/L	2.27	meq/L	1.0	SM 2320 B	01/15/04	1806	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	01/15/04	1806	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	01/15/04	1806	RM
Chloride	2.6	mg/L	0.07	meq/L	1.0	EPA 300.0	01/15/04	0815	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	01/15/04	1806	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	01/16/04	1441	JF
Sulfate	92.7	mg/L	1.93	meq/L	1.0	EPA 300.0	01/15/04	0815	LK
Cations									
Calcium	46.3	mg/L	2.31	meq/L	1.0	EPA 200.7	01/16/04	0613	MH
Magnesium	2.4	mg/L	0.20	meq/L	1.0	EPA 200.7	01/16/04	0613	MH
Potassium	<1.0	mg/L	0.01	meq/L	1.0	EPA 200.7	01/16/04	0613	MH
Sodium	42.8	mg/L	1.86	meq/L	0.2	EPA 200.7	01/16/04	0613	MH
Cations			4.37	meq/L	N/A	SM 1030 F.	01/16/04	0613	
Anions			4.27	meq/L	N/A	SM 1030 F.	01/16/04	1441	
Cation/Anion Balance			1.16	%	N/A	SM 1030 F.	01/16/04	0613	

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 Avenu
Sheridan, WY 8280

Report ID: 010400437

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2U52-1
Lab ID: 0104W00443
Matrix: Water
Condition: Cool/Intact

Date Received: 01/14/04
Date Reported: 01/28/04
Date Sampled: 01/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	01/16/04	0613	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	01/16/04	1005	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	01/16/04	1005	MS
Boron	0.06	mg/L		0.01	EPA 200.7	01/16/04	0613	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	01/16/04	1005	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	01/16/04	0613	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	01/16/04	1005	MS
Iron	0.36	mg/L		0.05	EPA 200.7	01/16/04	0613	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	01/16/04	1005	MS
Manganese	0.92	mg/L		0.02	EPA 200.7	01/16/04	0613	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	01/20/04	0954	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	01/16/04	1005	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	01/16/04	0613	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	01/16/04	1005	MS
Uranium	0.0205	mg/L		0.0001	EPA 200.8	01/16/04	1005	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	01/16/04	1005	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	01/16/04	0613	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:

Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1633 Terra Avenu
Sheridan, WY 8280

Report ID: 010400437

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2U38-1
Lab ID: 0104W00444
Matrix: Water
Condition: Cool/Intact

Date Received: 01/14/04
Date Reported: 01/28/04
Date Sampled: 01/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.4	s.u.			0.1	EPA 150.1	01/15/04	1828	RM
Lab Conductivity @ 25°C	385	µmhos/cm			5	SM 2510 B	01/15/04	1828	RM
Total Dissolved Solids @ 180°C	240	mg/L			10	SM 2540 C	01/15/04	0945	SV
Total Dissolved Solids(Calc)	220	mg/L			10	SM 1030 F.	01/16/04	1450	
Total Alkalinity as CaCO3	86.0	mg/L			1.0	SM 2320 B	01/15/04	1828	RM
Total Hardness as CaCO3	54.0	mg/L			1.0	SM 2340 B	01/16/04	0613	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	01/20/04	1642	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	01/15/04	1414	JF
Radium 226	92.0±4.5	pCi/L			0.2	SM 7500 Ra-B	01/20/04	2034	TP
Silica as SiO2	7.8	mg/L			0.1	EPA 200.7	01/16/04	0613	MH
Sodium Adsorption Ratio	3.4				N/A	Calculations	01/16/04	0613	
Anions									
Bicarbonate as HCO3	105	mg/L	1.72	meq/L	1.0	SM 2320 B	01/15/04	1828	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	01/15/04	1828	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	01/15/04	1828	RM
Chloride	9.1	mg/L	0.26	meq/L	1.0	EPA 300.0	01/15/04	0815	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	01/15/04	1828	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	01/16/04	1450	JF
Sulfate	76.9	mg/L	1.60	meq/L	1.0	EPA 300.0	01/15/04	0815	LK
Cations									
Calcium	18.4	mg/L	0.92	meq/L	1.0	EPA 200.7	01/16/04	0613	MH
Magnesium	2.0	mg/L	0.16	meq/L	1.0	EPA 200.7	01/16/04	0613	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	01/16/04	0613	MH
Sodium	57.6	mg/L	2.51	meq/L	0.2	SM 3500-Na D	01/21/03	1300	RM
Cations			3.59	meq/L	N/A	SM 1030 F.	01/16/04	0613	
Anions			3.58	meq/L	N/A	SM 1030 F.	01/16/04	1450	
Cation/Anion Balance			0.14	%	N/A	SM 1030 F.	01/16/04	0613	

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 Avenu
Sheridan, WY 8280

Report ID: 010400437

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2U38-1
Lab ID: 0104W00444
Matrix: Water
Condition: Cool/Intact

Date Received: 01/14/04
Date Reported: 01/28/04
Date Sampled: 01/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	01/16/04	0613	MH
Arsenic	0.014	mg/L		0.005	EPA 200.8	01/16/04	1010	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	01/16/04	1010	MS
Boron	0.06	mg/L		0.01	EPA 200.7	01/16/04	0613	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	01/16/04	1010	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	01/16/04	0613	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	01/16/04	1010	MS
Iron	0.28	mg/L		0.05	EPA 200.7	01/16/04	0613	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	01/16/04	1010	MS
Manganese	0.20	mg/L		0.02	EPA 200.7	01/16/04	0613	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	01/20/04	0954	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	01/16/04	1010	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	01/16/04	0613	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	01/16/04	1010	MS
Uranium	0.0115	mg/L		0.0001	EPA 200.8	01/16/04	1010	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	01/16/04	1010	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	01/16/04	0613	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: _____
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1633 Terra Avenu
Sheridan, WY 8280

Report ID: 010400437

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2V56-1
Lab ID: 0104W00445
Matrix: Water
Condition: Cool/Intact

Date Received: 01/14/04
Date Reported: 01/28/04
Date Sampled: 01/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.7	s.u.			0.1	EPA 150.1	01/15/04	1840	RM
Lab Conductivity @ 25°C	930	µmhos/cm			5	SM 2510 B	01/15/04	1840	RM
Total Dissolved Solids @ 180°C	630	mg/L			10	SM 2540 C	01/15/04	0945	SV
Total Dissolved Solids(Calc)	550	mg/L			10	SM 1030 F.	01/16/04	1451	
Total Alkalinity as CaCO3	220	mg/L			1.0	SM 2320 B	01/15/04	1840	RM
Total Hardness as CaCO3	166	mg/L			1.0	SM 2340 B	01/16/04	0613	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	01/20/04	1642	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	01/15/04	1415	JF
Radium 226	473±16	pCi/L			0.2	SM 7500 Ra-B	01/21/04	1105	TP
Silica as SiO2	18.1	mg/L			0.1	EPA 200.7	01/16/04	0613	MH
Sodium Adsorption Ratio	4.5				N/A	Calculations	01/16/04	0613	
Anions									
Bicarbonate as HCO3	268	mg/L	4.39	meq/L	1.0	SM 2320 B	01/15/04	1840	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	01/15/04	1840	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	01/15/04	1840	RM
Chloride	30.8	mg/L	0.87	meq/L	1.0	EPA 300.0	01/15/04	0815	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	01/15/04	1840	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	01/16/04	1451	JF
Sulfate	188	mg/L	3.91	meq/L	1.0	EPA 300.0	01/15/04	0815	LK
Cations									
Calcium	51.6	mg/L	2.57	meq/L	1.0	EPA 200.7	01/16/04	0613	MH
Magnesium	9.1	mg/L	0.75	meq/L	1.0	EPA 200.7	01/16/04	0613	MH
Potassium	1.5	mg/L	0.04	meq/L	1.0	EPA 200.7	01/16/04	0613	MH
Sodium	134	mg/L	5.85	meq/L	0.2	SM 3500-Na D	01/21/04	1300	RM
Cations			9.21	meq/L	N/A	SM 1030 F.	01/16/04	0613	
Anions			9.17	meq/L	N/A	SM 1030 F.	01/16/04	1451	
Cation/Anion Balance			0.22	%	N/A	SM 1030 F.	01/16/04	0613	

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 Avenu
Sheridan, WY 8280

Report ID: 010400437

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2V56-1
Lab ID: 0104W00445
Matrix: Water
Condition: Cool/Intact

Date Received: 01/14/04
Date Reported: 01/28/04
Date Sampled: 01/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	01/16/04	0613	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	01/16/04	1013	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	01/16/04	1013	MS
Boron	0.06	mg/L		0.01	EPA 200.7	01/16/04	0613	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	01/16/04	1013	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	01/16/04	0613	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	01/16/04	1013	MS
Iron	2.16	mg/L		0.05	EPA 200.7	01/16/04	0613	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	01/16/04	1013	MS
Manganese	0.29	mg/L		0.02	EPA 200.7	01/16/04	0613	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	01/20/04	0954	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	01/16/04	1013	MS
Nickel	0.02	mg/L		0.01	EPA 200.7	01/16/04	0613	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	01/16/04	1013	MS
Uranium	0.152	mg/L		0.0001	EPA 200.8	01/16/04	1013	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	01/16/04	1013	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	01/16/04	0613	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:

Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 2U52-1
Lab ID: 0104W00443
Matrix: Water
Condition: Cool/Intact

Report Date: 01/28/04
Receipt Date: 01/14/04
Sample Date: 01/14/04

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	422	425	1	5	µmhos/cm
Total Dissolved Solids @ 180°C	280	280	0	10	mg/L
Total Dissolved Solids(Calc)	260	250	4	10	mg/L
Total Alkalinity as CaCO3	114	113	1	1.0	mg/L
Total Hardness as CaCO3	126	125	1	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	7.2	7.2	0	0.1	mg/L
Sodium Adsorption Ratio	1.7	1.7	0		
Anions					
Bicarbonate as HCO3	139	138	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	2.6	2.6	0.0**	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	92.7	93.0	0	1.0	mg/L
Cations					
Calcium	46.3	46.1	0	1.0	mg/L
Magnesium	2.4	2.4	0.0**	1.0	mg/L
Potassium	<1.0	<1.0	NC*	1.0	mg/L
Sodium	42.8	42.5	1	0.2	mg/L
Cations	4.37	4.35	0		meq/L
Anions	4.27	4.27	0		meq/L
Cation/Anion Balance	1.16	0.93			%

*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: _____
Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 2U52-1
Lab ID: 0104W00443
Matrix: Water
Condition: Cool/Intact

Report Date: 01/28/04
Receipt Date: 01/14/04
Sample Date: 01/14/04

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	0.36	0.36	0	0.05	mg/L
Lead	<0.02	<0.02	NC*	0.02	mg/L
Manganese	0.92	0.91	1	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	0.0205	0.0204	0	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: _____
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 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		**	**	**	**	**	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

L:\LARRY\[pvdsub.xls]pvdsub

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: 2AA28-1
Lab ID: 0104W01607
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	7.3	s.u.			0.1	EPA 150.1	02/12/04	1719	RM
Lab Conductivity @ 25°C	199	µmhos/cm			5	SM 2510 B	02/12/04	1719	RM
Total Dissolved Solids @ 180°C	130	mg/L			10	SM 2540 C	02/12/04	1310	SV
Total Dissolved Solids(Calc)	110	mg/L			10	SM 1030 F.	02/13/04	0737	
Total Alkalinity as CaCO3	30.0	mg/L			1.0	SM 2320 B	02/12/04	1719	RM
Total Hardness as CaCO3	7.5	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	1656	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/13/04	0833	JF
Radium 226	104±8.2	pCi/L			0.2	SM 7500 Ra-B	02/23/04	1503	TP
Silica as SiO2	4.4	mg/L			0.1	EPA 200.7	02/13/04	0907	MH
Sodium Adsorption Ratio	5.4				N/A	Calculations	02/13/04	0625	
Anions									
Bicarbonate as HCO3	36.6	mg/L	0.60	meq/L	1.0	SM 2320 B	02/12/04	1719	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1719	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1719	RM
Chloride	2.3	mg/L	0.06	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	1719	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	01/16/04	1422	JF
Sulfate	55.5	mg/L	1.16	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	3.0	mg/L	0.15	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Magnesium	<1.0	mg/L	0.03	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Potassium	<1.0	mg/L	0.01	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Sodium	34.0	mg/L	1.48	meq/L	0.2	EPA 200.7	02/13/04	0625	MH
Cations			1.63	meq/L	N/A	SM 1030 F.	02/13/04	0625	
Anions			1.82	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation-Anion Difference			0.19	meq/L	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, 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: 2AA28-1
Lab ID: 0104W01607
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	1.2	mg/L		0.1	EPA 200.7	02/13/04	0907	MH
Arsenic	0.066	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	0907	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	0907	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/13/04	0810	JB
Iron	1.60	mg/L		0.05	EPA 200.7	02/13/04	0907	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	02/13/04	0810	JB
Manganese	0.09	mg/L		0.02	EPA 200.7	02/13/04	0907	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	0907	MH
Selenium	0.015	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Uranium	0.0426	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	0907	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: 2Y46-1
Lab ID: 0104W01608
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	7.2	s.u.			0.1	EPA 150.1	02/12/04	1731	RM
Lab Conductivity @ 25°C	178	µmhos/cm			5	SM 2510 B	02/12/04	1731	RM
Total Dissolved Solids @ 180°C	120	mg/L			10	SM 2540 C	02/12/04	1310	SV
Total Dissolved Solids(Calc)	100	mg/L			10	SM 1030 F.	02/13/04	0737	
Total Alkalinity as CaCO3	29.0	mg/L			1.0	SM 2320 B	02/12/04	1731	RM
Total Hardness as CaCO3	4.0	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	1657	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/13/04	0833	JF
Radium 226	5.5±2.0	pCi/L			0.2	SM 7500 Ra-B	02/23/04	1503	TP
Silica as SiO2	2.6	mg/L			0.1	EPA 200.7	02/13/04	0919	MH
Sodium Adsorption Ratio	7.0				N/A	Calculations	02/13/04	0625	
Anions									
Bicarbonate as HCO3	35.4	mg/L	0.58	meq/L	1.0	SM 2320 B	02/12/04	1731	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1731	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1731	RM
Chloride	2.7	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	02/12/04	1731	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	01/16/04	1422	JF
Sulfate	46.2	mg/L	0.96	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	1.7	mg/L	0.08	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Magnesium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Potassium	<1.0	mg/L	0.01	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Sodium	32.3	mg/L	1.40	meq/L	0.2	EPA 200.7	02/13/04	0625	MH
Cations			1.48	meq/L	N/A	SM 1030 F.	02/13/04	0625	
Anions			1.62	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation-Anion Difference			0.14	meq/L	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: 2Y46-1
Lab ID: 0104W01608
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	0919	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	0.06	mg/L		0.01	EPA 200.7	02/13/04	0919	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	0919	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/13/04	0810	JB
Iron	0.30	mg/L		0.05	EPA 200.7	02/13/04	0919	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	0919	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	0919	MH
Selenium	0.025	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Uranium	0.0679	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	0919	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: 2Z35-1
Lab ID: 0104W01609
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	7.2	s.u.			0.1	EPA 150.1	02/12/04	1742	RM
Lab Conductivity @ 25°C	202	µmhos/cm			5	SM 2510 B	02/12/04	1742	RM
Total Dissolved Solids @ 180°C	140	mg/L			10	SM 2540 C	02/12/04	1310	SV
Total Dissolved Solids(Calc)	110	mg/L			10	SM 1030 F.	02/13/04	0737	
Total Alkalinity as CaCO3	54.5	mg/L			1.0	SM 2320 B	02/12/04	1742	RM
Total Hardness as CaCO3	8.0	mg/L			1.0	SM 2340 B	02/13/04	0625	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	02/12/04	1658	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	02/13/04	0833	JF
Radium 226	41.5±5.1	pCi/L			0.2	SM 7500 Ra-B	02/23/04	1503	TP
Silica as SiO2	7.6	mg/L			0.1	EPA 200.7	02/13/04	0922	MH
Sodium Adsorption Ratio	5.8				N/A	Calculations	02/13/04	0625	
Anions									
Bicarbonate as HCO3	66.5	mg/L	1.09	meq/L	1.0	SM 2320 B	02/12/04	1742	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1742	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	02/12/04	1742	RM
Chloride	2.3	mg/L	0.07	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	1742	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	01/16/04	1422	JF
Sulfate	37.6	mg/L	0.78	meq/L	1.0	EPA 300.0	02/13/04	0737	LK
Cations									
Calcium	3.3	mg/L	0.16	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Magnesium	<1.0	mg/L	0.05	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Potassium	<1.0	mg/L	0.01	meq/L	1.0	EPA 200.7	02/13/04	0625	MH
Sodium	37.8	mg/L	1.64	meq/L	0.2	EPA 200.7	02/13/04	0625	MH
Cations			1.80	meq/L	N/A	SM 1030 F.	02/13/04	0625	
Anions			1.94	meq/L	N/A	SM 1030 F.	02/13/04	0737	
Cation-Anion Difference			0.14	meq/L	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 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: 2Z35-1
Lab ID: 0104W01609
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	0922	MH
Arsenic	0.010	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	0922	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	0922	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	02/13/04	0810	JB
Iron	0.63	mg/L		0.05	EPA 200.7	02/13/04	0922	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	0922	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	0922	MH
Selenium	0.011	mg/L		0.005	EPA 200.8	02/13/04	0810	JB
Uranium	0.0157	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	0922	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 3-18-04 Received by [signature] Date 3-18-04

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

Restoration Phase: ___ Groundwater Sweep (explain_____)
_x_ Reverse Osmosis Filtration (explain Mod 66/3 PVD)
___ Recirculation (explain_____)
_x_ Stabilization (explain Mod 21)

*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 Rush

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Comments
1	Mod 66/3PVD	3-18-04	Half Gal.	X		X		
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	2AE16-1		**	**	**	**	**	
3	2AF34-1		**	**	**	**	**	
4	2AZ30-1		**	**	**	**	**	
5	2AD26-1		**	**	**	**	**	
6	2AG26-1		**	**	**	**	**	
7	2AG31-1		**	**	**	**	**	
8	2AD29-1		**	**	**	**	**	
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 3-18-04 Received by [illegible] Date 3-18-04 @ 1:

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

Restoration Phase: ___ Groundwater Sweep (explain _____)
_x_ Reverse Osmosis Filtration (explain Mod 66/3 PVD)
___ Recirculation (explain _____)
_x_ Stabilization (explain Mod 21)

*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

Rush

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Lab. id.	Comments
1	Mod 66/3PVD	3-18-04	Half Gal.	X		X		3468	
			Quart	X					
			8 ozs.		X				
			8 ozs.	X			X	3468	
2	2AE16-1		**	**	**	**	**	3469	
3	2AF34-1		**	**	**	**	**	3470	
4	2AI30-1		**	**	**	**	**	3471	
5	2AD26-1		**	**	**	**	**	3472	
6	2AG26-1		**	**	**	**	**	3473	
7	2AG31-1		**	**	**	**	**	3474	
8	2AD29-1		**	**	**	**	**	3475	
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

Report ID: 010403468

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: Mod 66/3PVD
Lab ID: 0104W03468
Matrix: Water
Condition: Cool/Intact

Date Received: 03/18/04
Date Reported: 04/01/04
Date Sampled: 03/18/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.9	s.u.			0.1	EPA 150.1	03/22/04	1558	RM
Lab Conductivity @ 25°C	1,360	µmhos/cm			5	SM 2510 B	03/22/04	1558	RM
Total Dissolved Solids @ 180°C	940	mg/L			10	SM 2540 C	03/22/04	0800	RM
Total Dissolved Solids(Calc)	900	mg/L			10	SM 1030 F.	03/25/04	0830	
Total Alkalinity as CaCO3	371	mg/L			1.0	SM 2320 B	03/22/04	1558	RM
Total Hardness as CaCO3	200	mg/L			1.0	SM 2340 B	03/25/04	0830	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	03/22/04	0947	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	03/19/04	1417	JF
Radium 226	112±6.0	pCi/L			0.2	SM 7500 Ra-B	03/24/04	1310	TP
Silica as SiO2	4.1	mg/L			0.1	EPA 200.7	03/25/04	0830	MH
Sodium Adsorption Ratio	7.7				N/A	Calculations	03/25/04	0830	
Anions									
Bicarbonate as HCO3	453	mg/L	7.42	meq/L	1.0	SM 2320 B	03/22/04	1558	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	03/22/04	1558	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	03/22/04	1558	RM
Chloride	18.3	mg/L	0.52	meq/L	1.0	EPA 300.0	03/19/04	1107	LK
Fluoride	0.1	mg/L	0.01	meq/L	0.1	SM 4500-F-C	03/22/04	1558	RM
Nitrate + Nitrite as N	<0.1	mg/L	0.01	meq/L	0.1	EPA 353.2	03/22/04	1237	JF
Sulfate	332	mg/L	6.92	meq/L	1.0	EPA 300.0	03/19/04	1107	LK
Cations									
Calcium	58.9	mg/L	2.94	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Magnesium	12.8	mg/L	1.05	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Potassium	5.1	mg/L	0.13	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Sodium	249	mg/L	10.83	meq/L	0.2	EPA 200.7	03/25/04	0830	MH
Cations			14.95	meq/L	N/A	SM 1030 F.	03/25/04	0830	
Anions			14.87	meq/L	N/A	SM 1030 F.	03/22/04	1558	
Cation/Anion Balance			0.27	%	N/A	SM 1030 F.	03/25/04	0830	

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: 010403468

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: Mod 66/3PVD
Lab ID: 0104W03468
Matrix: Water
Condition: Cool/Intact

Date Received: 03/18/04
Date Reported: 04/01/04
Date Sampled: 03/18/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	03/25/04	0830	MH
Arsenic	0.008	mg/L		0.005	EPA 200.8	03/22/04	1155	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	03/22/04	1155	MS
Boron	0.08	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	03/22/04	1155	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	03/22/04	1155	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	03/25/04	0830	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	03/22/04	1155	MS
Manganese	0.04	mg/L		0.02	EPA 200.7	03/25/04	0830	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	03/23/04	0925	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	03/22/04	1155	MS
Nickel	0.28	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Selenium	0.551	mg/L		0.005	EPA 200.8	03/22/04	1155	MS
Uranium	2.06	mg/L		0.0001	EPA 200.8	03/22/04	1155	MS
Vanadium	0.4	mg/L		0.1	EPA 200.8	03/22/04	1155	MS
Zinc	0.20	mg/L		0.01	EPA 200.7	03/25/04	0830	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: 010403468

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AE16-1
Lab ID: 0104W03469
Matrix: Water
Condition: Cool/Intact

Date Received: 03/18/04
Date Reported: 04/01/04
Date Sampled: 03/18/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.9	s.u.			0.1	EPA 150.1	03/22/04	1609	RM
Lab Conductivity @ 25°C	451	µmhos/cm			5	SM 2510 B	03/22/04	1609	RM
Total Dissolved Solids @ 180°C	280	mg/L			10	SM 2540 C	03/22/04	0800	RM
Total Dissolved Solids(Calc)	260	mg/L			10	SM 1030 F.	03/25/04	0830	
Total Alkalinity as CaCO3	159	mg/L			1.0	SM 2320 B	03/22/04	1609	RM
Total Hardness as CaCO3	140	mg/L			1.0	SM 2340 B	03/25/04	0830	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	03/22/04	0948	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	03/19/04	1417	JF
Radium 226	209±7.8	pCi/L			0.2	SM 7500 Ra-B	03/24/04	1310	TP
Silica as SiO2	3.9	mg/L			0.1	EPA 200.7	03/25/04	0830	MH
Sodium Adsorption Ratio	1.5				N/A	Calculations	03/25/04	0830	
Anions									
Bicarbonate as HCO3	193	mg/L	3.17	meq/L	1.0	SM 2320 B	03/22/04	1609	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	03/22/04	1609	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	03/22/04	1609	RM
Chloride	2.6	mg/L	0.07	meq/L	1.0	EPA 300.0	03/19/04	1107	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	03/22/04	1609	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	03/22/04	1244	JF
Sulfate	67.4	mg/L	1.40	meq/L	1.0	EPA 300.0	03/19/04	1107	LK
Cations									
Calcium	47.7	mg/L	2.38	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Magnesium	5.1	mg/L	0.42	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Sodium	41.0	mg/L	1.78	meq/L	0.2	EPA 200.7	03/25/04	0830	MH
Cations			4.58	meq/L	N/A	SM 1030 F.	03/25/04	0830	
Anions			4.64	meq/L	N/A	SM 1030 F.	03/22/04	1609	
Cation/Anion Balance			0.65	%	N/A	SM 1030 F.	03/25/04	0830	

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: 010403468

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AE16-1
Lab ID: 0104W03469
Matrix: Water
Condition: Cool/Intact

Date Received: 03/18/04
Date Reported: 04/01/04
Date Sampled: 03/18/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	03/25/04	0830	MH
Arsenic	0.025	mg/L		0.005	EPA 200.8	03/22/04	1158	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	03/22/04	1158	MS
Boron	0.05	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	03/22/04	1158	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	03/22/04	1158	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	03/25/04	0830	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	03/22/04	1158	MS
Manganese	0.45	mg/L		0.02	EPA 200.7	03/25/04	0830	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	03/23/04	0925	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	03/22/04	1158	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	03/22/04	1158	MS
Uranium	0.213	mg/L		0.0001	EPA 200.8	03/22/04	1158	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	03/22/04	1158	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	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: 010403468

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AF34-1
Lab ID: 0104W03470
Matrix: Water
Condition: Cool/Intact

Date Received: 03/18/04
Date Reported: 04/01/04
Date Sampled: 03/18/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.6	s.u.			0.1	EPA 150.1	03/22/04	1620	RM
Lab Conductivity @ 25°C	370	µmhos/cm			5	SM 2510 B	03/22/04	1620	RM
Total Dissolved Solids @ 180°C	240	mg/L			10	SM 2540 C	03/22/04	0800	RM
Total Dissolved Solids(Calc)	220	mg/L			10	SM 1030 F.	03/25/04	0830	
Total Alkalinity as CaCO3	123	mg/L			1.0	SM 2320 B	03/22/04	1620	RM
Total Hardness as CaCO3	37.0	mg/L			1.0	SM 2340 B	03/25/04	0830	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	03/22/04	0954	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	03/19/04	1417	JF
Radium 226	50.9±3.6	pCi/L			0.2	SM 7500 Ra-B	03/24/04	1310	TP
Silica as SiO2	4.2	mg/L			0.1	EPA 200.7	03/25/04	0830	MH
Sodium Adsorption Ratio	5.3				N/A	Calculations	03/25/04	0830	
Anions									
Bicarbonate as HCO3	150	mg/L	2.45	meq/L	1.0	SM 2320 B	03/22/04	1620	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	03/22/04	1620	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	03/22/04	1620	RM
Chloride	5.3	mg/L	0.15	meq/L	1.0	EPA 300.0	03/19/04	1107	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	03/22/04	1620	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	03/22/04	1245	JF
Sulfate	57.6	mg/L	1.20	meq/L	1.0	EPA 300.0	03/30/04	1107	LK
Cations									
Calcium	11.6	mg/L	0.58	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Magnesium	1.9	mg/L	0.16	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Sodium	74.2	mg/L	3.23	meq/L	0.2	SM 3500-Na D	03/29/04	1400	RM
Cations			3.97	meq/L	N/A	SM 1030 F.	03/25/04	0830	
Anions			3.80	meq/L	N/A	SM 1030 F.	03/22/04	1620	
Cation/Anion Balance			2.19	%	N/A	SM 1030 F.	03/25/04	0830	

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: 010403468

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AF34-1
Lab ID: 0104W03470
Matrix: Water
Condition: Cool/Intact

Date Received: 03/18/04
Date Reported: 04/01/04
Date Sampled: 03/18/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	03/25/04	0830	MH
Arsenic	0.008	mg/L		0.005	EPA 200.8	03/22/04	1201	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	03/22/04	1201	MS
Boron	0.06	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	03/22/04	1201	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	03/22/04	1201	MS
Iron	0.34	mg/L		0.05	EPA 200.7	03/25/04	0830	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	03/22/04	1201	MS
Manganese	0.11	mg/L		0.02	EPA 200.7	03/25/04	0830	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	03/23/04	0925	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	03/22/04	1201	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	03/22/04	1201	MS
Uranium	0.286	mg/L		0.0001	EPA 200.8	03/22/04	1201	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	03/22/04	1201	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	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

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010403468

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AI30-1
Lab ID: 0104W03471
Matrix: Water
Condition: Cool/Intact

Date Received: 03/18/04
Date Reported: 04/01/04
Date Sampled: 03/18/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.1	s.u.			0.1	EPA 150.1	03/22/04	1631	RM
Lab Conductivity @ 25°C	393	µmhos/cm			5	SM 2510 B	03/22/04	1631	RM
Total Dissolved Solids @ 180°C	260	mg/L			10	SM 2540 C	03/22/04	0800	RM
Total Dissolved Solids(Calc)	240	mg/L			10	SM 1030 F.	03/25/04	0830	
Total Alkalinity as CaCO3	171	mg/L			1.0	SM 2320 B	03/22/04	1631	RM
Total Hardness as CaCO3	120	mg/L			1.0	SM 2340 B	03/25/04	0830	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	03/22/04	0955	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	03/19/04	1417	JF
Radium 226	389±11.1	pCi/L			0.2	SM 7500 Ra-B	03/24/04	1310	TP
Silica as SiO2	3.1	mg/L			0.1	EPA 200.7	03/25/04	0830	MH
Sodium Adsorption Ratio	1.9				N/A	Calculations	03/25/04	0830	
Anions									
Bicarbonate as HCO3	209	mg/L	3.42	meq/L	1.0	SM 2320 B	03/22/04	1631	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	03/22/04	1631	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	03/22/04	1631	RM
Chloride	2.4	mg/L	0.07	meq/L	1.0	EPA 300.0	03/19/04	1107	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	03/22/04	1631	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	03/22/04	1246	JF
Sulfate	44.7	mg/L	0.93	meq/L	1.0	EPA 300.0	03/19/04	1107	LK
Cations									
Calcium	43.1	mg/L	2.15	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Magnesium	3.0	mg/L	0.25	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Sodium	47.6	mg/L	2.07	meq/L	0.2	SM 3500-Na D	03/29/04	1400	RM
Cations			4.47	meq/L	N/A	SM 1030 F.	03/25/04	0830	
Anions			4.42	meq/L	N/A	SM 1030 F.	03/22/04	1631	
Cation/Anion Balance			0.56	%	N/A	SM 1030 F.	03/25/04	0830	

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: 010403468

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AI30-1
Lab ID: 0104W03471
Matrix: Water
Condition: Cool/Intact

Date Received: 03/18/04
Date Reported: 04/01/04
Date Sampled: 03/18/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	03/25/04	0830	MH
Arsenic	0.030	mg/L		0.005	EPA 200.8	03/22/04	1203	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	03/22/04	1203	MS
Boron	0.05	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	03/22/04	1203	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	03/22/04	1203	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	03/25/04	0830	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	03/22/04	1203	MS
Manganese	1.29	mg/L		0.02	EPA 200.7	03/25/04	0830	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	03/23/04	0925	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	03/22/04	1203	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	03/22/04	1203	MS
Uranium	0.505	mg/L		0.0001	EPA 200.8	03/22/04	1203	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	03/22/04	1203	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	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: 010403468

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AD26-1
Lab ID: 0104W03472
Matrix: Water
Condition: Cool/Intact

Date Received: 03/18/04
Date Reported: 04/01/04
Date Sampled: 03/18/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.6	s.u.			0.1	EPA 150.1	03/22/04	1641	RM
Lab Conductivity @ 25°C	397	µmhos/cm			5	SM 2510 B	03/22/04	1641	RM
Total Dissolved Solids @ 180°C	260	mg/L			10	SM 2540 C	03/22/04	0800	RM
Total Dissolved Solids(Calc)	240	mg/L			10	SM 1030 F.	03/25/04	0830	
Total Alkalinity as CaCO3	127	mg/L			1.0	SM 2320 B	03/22/04	1641	RM
Total Hardness as CaCO3	85.5	mg/L			1.0	SM 2340 B	03/25/04	0830	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	03/22/04	0956	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	03/19/04	1417	JF
Radium 226	120±6.2	pCi/L			0.2	SM 7500 Ra-B	03/24/04	1310	TP
Silica as SiO2	3.1	mg/L			0.1	EPA 200.7	03/25/04	0830	MH
Sodium Adsorption Ratio	2.5				N/A	Calculations	03/25/04	0830	
Anions									
Bicarbonate as HCO3	154	mg/L	2.53	meq/L	1.0	SM 2320 B	03/22/04	1641	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	03/22/04	1641	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	03/22/04	1641	RM
Chloride	4.2	mg/L	0.12	meq/L	1.0	EPA 300.0	03/19/04	1107	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	03/22/04	1641	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	03/22/04	1247	JF
Sulfate	72.9	mg/L	1.52	meq/L	1.0	EPA 300.0	03/19/04	1107	LK
Cations									
Calcium	28.1	mg/L	1.40	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Magnesium	3.8	mg/L	0.31	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Sodium	54.1	mg/L	2.35	meq/L	0.2	EPA 200.7	03/25/04	0830	MH
Cations			4.06	meq/L	N/A	SM 1030 F.	03/25/04	0830	
Anions			4.17	meq/L	N/A	SM 1030 F.	03/22/04	1641	
Cation/Anion Balance			1.34	%	N/A	SM 1030 F.	03/25/04	0830	

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: 010403468

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AD26-1
Lab ID: 0104W03472
Matrix: Water
Condition: Cool/Intact

Date Received: 03/18/04
Date Reported: 04/01/04
Date Sampled: 03/18/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	03/25/04	0830	MH
Arsenic	0.012	mg/L		0.005	EPA 200.8	03/22/04	1209	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	03/22/04	1209	MS
Boron	0.06	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	03/22/04	1209	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	03/22/04	1209	MS
Iron	0.77	mg/L		0.05	EPA 200.7	03/25/04	0830	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	03/22/04	1209	MS
Manganese	0.40	mg/L		0.02	EPA 200.7	03/25/04	0830	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	03/23/04	0925	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	03/22/04	1209	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	03/22/04	1209	MS
Uranium	0.335	mg/L		0.0001	EPA 200.8	03/22/04	1209	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	03/22/04	1209	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	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: 010403468

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AG26-1
Lab ID: 0104W03473
Matrix: Water
Condition: Cool/Intact

Date Received: 03/18/04
Date Reported: 04/01/04
Date Sampled: 03/18/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.9	s.u.			0.1	EPA 150.1	03/22/04	1658	RM
Lab Conductivity @ 25°C	292	µmhos/cm			5	SM 2510 B	03/22/04	1658	RM
Total Dissolved Solids @ 180°C	180	mg/L			10	SM 2540 C	03/22/04	0800	RM
Total Dissolved Solids(Calc)	160	mg/L			10	SM 1030 F.	03/25/04	0830	
Total Alkalinity as CaCO3	122	mg/L			1.0	SM 2320 B	03/22/04	1658	RM
Total Hardness as CaCO3	90.0	mg/L			1.0	SM 2340 B	03/25/04	0830	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	03/22/04	0957	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	03/19/04	1417	JF
Radium 226	112±6.3	pCi/L			0.2	SM 7500 Ra-B	03/24/04	1310	TP
Silica as SiO2	3.6	mg/L			0.1	EPA 200.7	03/25/04	0830	MH
Sodium Adsorption Ratio	1.3				N/A	Calculations	03/25/04	0830	
Anions									
Bicarbonate as HCO3	149	mg/L	2.44	meq/L	1.0	SM 2320 B	03/22/04	1658	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	03/22/04	1658	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	03/22/04	1658	RM
Chloride	2.2	mg/L	0.06	meq/L	1.0	EPA 300.0	03/19/04	1107	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	03/22/04	1658	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	03/22/04	1249	JF
Sulfate	22.8	mg/L	0.47	meq/L	1.0	EPA 300.0	03/19/04	1107	LK
Cations									
Calcium	31.9	mg/L	1.59	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Magnesium	2.6	mg/L	0.21	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Sodium	27.9	mg/L	1.21	meq/L	0.2	EPA 200.7	03/25/04	0830	MH
Cations			3.01	meq/L	N/A	SM 1030 F.	03/25/04	0830	
Anions			2.97	meq/L	N/A	SM 1030 F.	03/22/04	1658	
Cation/Anion Balance			0.67	%	N/A	SM 1030 F.	03/25/04	0830	

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: 010403468

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AG26-1
Lab ID: 0104W03473
Matrix: Water
Condition: Cool/Intact

Date Received: 03/18/04
Date Reported: 04/01/04
Date Sampled: 03/18/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	03/25/04	0830	MH
Arsenic	0.005	mg/L		0.005	EPA 200.8	03/22/04	1211	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	03/22/04	1211	MS
Boron	0.06	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	03/22/04	1211	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	03/22/04	1211	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	03/25/04	0830	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	03/22/04	1211	MS
Manganese	0.30	mg/L		0.02	EPA 200.7	03/25/04	0830	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	03/23/04	0925	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	03/22/04	1211	MS
Nickel	0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	03/22/04	1211	MS
Uranium	0.0081	mg/L		0.0001	EPA 200.8	03/22/04	1211	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	03/22/04	1211	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	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: 2AG26-1
Lab ID: 0104W03473
Matrix: Water
Condition: Cool/Intact

Report Date: 04/01/04
Receipt Date: 03/18/04
Sample Date: 03/18/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
General Parameters					
Lab pH	7.9	8.0	1	0.1	s.u.
Lab Conductivity @ 25°C	292	295	1	5	µmhos/cm
Total Dissolved Solids @ 180°C	180	190	5	10	mg/L
Total Dissolved Solids(Calc)	160	160	0	10	mg/L
Total Alkalinity as CaCO3	122	122	0	1.0	mg/L
Total Hardness as CaCO3	90.0	89.5	1	1.0	mg/L
Ammonia Nitrogen	<0.1	0.1	NC*	0.1	mg/L
Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Silica as SiO2	3.6	3.5	3	0.1	mg/L
Sodium Adsorption Ratio	1.3	1.3	0		
Anions					
Bicarbonate as HCO3	149	149	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	2.2	2.2	0.0**	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	22.8	22.5	1	1.0	mg/L
Cations					
Calcium	31.9	31.7	1	1.0	mg/L
Magnesium	2.6	2.6	0.0**	1.0	mg/L
Potassium	<1.0	<1.0	NC*	1.0	mg/L
Sodium	27.9	28.0	0	0.2	mg/L
Cations	3.01	3.01	0		meq/L
Anions	2.97	2.97	0		meq/L
Cation/Anion Balance	0.67	0.67			%

*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: 2AG26-1
Lab ID: 0104W03473
Matrix: Water
Condition: Cool/Intact

Report Date: 04/01/04
Receipt Date: 03/18/04
Sample Date: 03/18/04

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	0.30	0.30	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	0.00**	0.01	mg/L
Selenium	<0.005	<0.005	NC*	0.005	mg/L
Uranium	0.0081	0.0084	4	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: 010403468

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AG31-1
Lab ID: 0104W03474
Matrix: Water
Condition: Cool/Intact

Date Received: 03/18/04
Date Reported: 04/01/04
Date Sampled: 03/18/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.5	s.u.			0.1	EPA 150.1	03/22/04	1719	RM
Lab Conductivity @ 25°C	251	µmhos/cm			5	SM 2510 B	03/22/04	1719	RM
Total Dissolved Solids @ 180°C	170	mg/L			10	SM 2540 C	03/22/04	0800	RM
Total Dissolved Solids(Calc)	140	mg/L			10	SM 1030 F.	03/25/04	0830	
Total Alkalinity as CaCO3	64.5	mg/L			1.0	SM 2320 B	03/22/04	1719	RM
Total Hardness as CaCO3	45.0	mg/L			1.0	SM 2340 B	03/25/04	0830	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	03/22/04	0959	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	03/19/04	1417	JF
Radium 226	67.3±4.8	pCi/L			0.2	SM 7500 Ra-B	03/24/04	1310	TP
Silica as SiO2	6.1	mg/L			0.1	EPA 200.7	03/25/04	0830	MH
Sodium Adsorption Ratio	2.2				N/A	Calculations	03/25/04	0830	
Anions									
Bicarbonate as HCO3	78.7	mg/L	1.29	meq/L	1.0	SM 2320 B	03/22/04	1719	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	03/22/04	1719	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	03/22/04	1719	RM
Chloride	2.8	mg/L	0.08	meq/L	1.0	EPA 300.0	03/19/04	1107	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	03/22/04	1719	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	03/22/04	1251	JF
Sulfate	50.4	mg/L	1.05	meq/L	1.0	EPA 300.0	03/19/04	1107	LK
Cations									
Calcium	15.8	mg/L	0.79	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Magnesium	1.3	mg/L	0.11	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Potassium	<1.0	mg/L	0.01	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Sodium	33.2	mg/L	1.44	meq/L	0.2	EPA 200.7	03/25/04	0830	MH
Cations			2.34	meq/L	N/A	SM 1030 F.	03/25/04	0830	
Anions			2.42	meq/L	N/A	SM 1030 F.	03/22/04	1719	
Cation/Anion Balance			1.68	%	N/A	SM 1030 F.	03/25/04	0830	

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: 010403468

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AG31-1
Lab ID: 0104W03474
Matrix: Water
Condition: Cool/Intact

Date Received: 03/18/04
Date Reported: 04/01/04
Date Sampled: 03/18/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	03/25/04	0830	MH
Arsenic	0.008	mg/L		0.005	EPA 200.8	03/22/04	1216	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	03/22/04	1216	MS
Boron	0.06	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	03/22/04	1216	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	03/22/04	1216	MS
Iron	0.12	mg/L		0.05	EPA 200.7	03/25/04	0830	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	03/22/04	1216	MS
Manganese	0.08	mg/L		0.02	EPA 200.7	03/25/04	0830	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	03/23/04	0925	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	03/22/04	1216	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	03/22/04	1216	MS
Uranium	0.0246	mg/L		0.0001	EPA 200.8	03/22/04	1216	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	03/22/04	1216	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	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: 010403468

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AD29-1
Lab ID: 0104W03475
Matrix: Water
Condition: Cool/Intact

Date Received: 03/18/04
Date Reported: 04/01/04
Date Sampled: 03/18/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.7	s.u.			0.1	EPA 150.1	03/22/04	1730	RM
Lab Conductivity @ 25°C	1,070	µmhos/cm			5	SM 2510 B	03/22/04	1730	RM
Total Dissolved Solids @ 180°C	700	mg/L			10	SM 2540 C	03/22/04	0800	RM
Total Dissolved Solids(Calc)	650	mg/L			10	SM 1030 F.	03/25/04	0830	
Total Alkalinity as CaCO3	364	mg/L			1.0	SM 2320 B	03/22/04	1730	RM
Total Hardness as CaCO3	200	mg/L			1.0	SM 2340 B	03/25/04	0830	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	03/22/04	1000	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	03/19/04	1417	JF
Radium 226	391±10.6	pCi/L			0.2	SM 7500 Ra-B	03/24/04	1310	TP
Silica as SiO2	4.8	mg/L			0.1	EPA 200.7	03/25/04	0830	MH
Sodium Adsorption Ratio	5.3				N/A	Calculations	03/25/04	0830	
Anions									
Bicarbonate as HCO3	444	mg/L	7.27	meq/L	1.0	SM 2320 B	03/22/04	1730	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	03/22/04	1730	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	03/22/04	1730	RM
Chloride	21.0	mg/L	0.59	meq/L	1.0	EPA 300.0	03/19/04	1107	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	03/22/04	1730	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	03/22/04	1252	JF
Sulfate	165	mg/L	3.45	meq/L	1.0	EPA 300.0	03/19/04	1107	LK
Cations									
Calcium	56.8	mg/L	2.83	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Magnesium	14.1	mg/L	1.16	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Potassium	1.7	mg/L	0.04	meq/L	1.0	EPA 200.7	03/25/04	0830	MH
Sodium	172	mg/L	7.48	meq/L	0.2	EPA 200.7	03/25/04	0830	MH
Cations			11.51	meq/L	N/A	SM 1030 F.	03/25/04	0830	
Anions			11.31	meq/L	N/A	SM 1030 F.	03/22/04	1730	
Cation/Anion Balance			0.88	%	N/A	SM 1030 F.	03/25/04	0830	

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: 010403468

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AD29-1
Lab ID: 0104W03475
Matrix: Water
Condition: Cool/Intact

Date Received: 03/18/04
Date Reported: 04/01/04
Date Sampled: 03/18/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	03/25/04	0830	MH
Arsenic	0.005	mg/L		0.005	EPA 200.8	03/22/04	1219	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	03/22/04	1219	MS
Boron	0.07	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	03/22/04	1219	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	03/22/04	1219	MS
Iron	0.87	mg/L		0.05	EPA 200.7	03/25/04	0830	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	03/22/04	1219	MS
Manganese	0.32	mg/L		0.02	EPA 200.7	03/25/04	0830	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	03/23/04	0925	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	03/22/04	1219	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	03/22/04	1219	MS
Uranium	0.184	mg/L		0.0001	EPA 200.8	03/22/04	1219	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	03/22/04	1219	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	03/25/04	0830	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 4-8-04 Received by [signature] Date 4/8/04

Restoration Sample Description

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

Restoration Phase: ___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
X Stabilization (explain 1ST 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	2P110-1	4-7-04	Half Gal.	X		X		
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	2W84-1	4-7-04	**	**	**	**	**	
3	2AG26-1	4-8-04	**	**	**	**	**	
4	2AF34-1		**	**	**	**	**	
5	2AD26-1		**	**	**	**	**	
6	2AA28-1		**	**	**	**	**	
7	2AE30-1		**	**	**	**	**	
8	2AE16-1		**	**	**	**	**	
9	2T95-1		**	**	**	**	**	
10	2Y46-1		**	**	**	**	**	
11	2Z35-1		**	**	**	**	**	
12	2AD29-1		**	**	**	**	**	
13	2AG31-1		**	**	**	**	**	
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 4-8-04 Received by [signature] Date 4/5/04@1710

Restoration Sample Description

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

Restoration Phase: ___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
X Stabilization (explain 1ST 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	2P110-1	4-7-04	Half Gal.	X		X		5029	
			Quart	X				"	
			8 ozs.		X			"	
			8 ozs.	X			X	"	
2	2W84-1	4-7-04	**	**	**	**	**	5030	
3	2AG26-1	4-8-04	**	**	**	**	**	5031	
4	2AF34-1		**	**	**	**	**	5032	
5	2AD26-1		**	**	**	**	**	5033d	
6	2AA28-1		**	**	**	**	**	5034	
7	2AI30-1		**	**	**	**	**	5035	
8	2AE16-1		**	**	**	**	**	5036	
9	2T95-1		**	**	**	**	**	5037	
10	2Y46-1		**	**	**	**	**	5038	
11	2Z35-1		**	**	**	**	**	5039	
12	2AD29-1		**	**	**	**	**	5040	
13	2AG31-1		**	**	**	**	**	5041	
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

Report ID: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2P110-1
Lab ID: 0104W05029
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.6	s.u.			0.1	EPA 150.1	04/13/04	1757	RM
Lab Conductivity @ 25°C	846	µmhos/cm			5	SM 2510 B	04/13/04	1757	RM
Total Dissolved Solids @ 180°C	600	mg/L			10	SM 2540 C	04/13/04	1100	JG
Total Dissolved Solids(Calc)	550	mg/L			10	SM 1030 F.	04/14/04	1328	
Total Alkalinity as CaCO3	154	mg/L			1.0	SM 2320 B	04/13/04	1757	RM
Total Hardness as CaCO3	361	mg/L			1.0	SM 2340 B	04/13/04	0730	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	04/16/04	1004	JF
Nitrite as N	<0.1P	mg/L			0.1	EPA 300.0	04/13/04	0714	LK
Radium 226	1030±21	pCi/L			0.2	SM 7500 Ra-B	04/24/04	2325	TP
Silica as SiO2	3.0	mg/L			0.1	EPA 200.7	04/13/04	0730	MH
Sodium Adsorption Ratio	0.8				N/A	Calculations	04/13/04	0730	
Anions									
Bicarbonate as HCO3	187	mg/L	3.07	meq/L	1.0	SM 2320 B	04/13/04	1757	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	1757	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	1757	RM
Chloride	1.7	mg/L	0.05	meq/L	1.0	EPA 300.0	04/13/04	0714	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/13/04	1757	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/14/04	1328	JF
Sulfate	278	mg/L	5.79	meq/L	1.0	EPA 300.0	04/21/04	0714	LK
Cations									
Calcium	132	mg/L	6.61	meq/L	1.0	EPA 200.7	04/13/04	0730	MH
Magnesium	7.4	mg/L	0.60	meq/L	1.0	EPA 200.7	04/13/04	0730	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	04/13/04	0730	MH
Sodium	36.9	mg/L	1.60	meq/L	0.2	EPA 200.7	04/13/04	0730	MH
Cations			8.81	meq/L	N/A	SM 1030 F.	04/13/04	0730	
Anions			8.91	meq/L	N/A	SM 1030 F.	04/14/04	1328	
Cation/Anion Balance			0.56	%	N/A	SM 1030 F.	04/13/04	0730	

These results only apply to the samples tested. P - Parameter analyzed past holding time.

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 A Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2P110-1
Lab ID: 0104W05029
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/13/04	0730	MH
Arsenic	0.015	mg/L		0.005	EPA 200.8	04/14/04	1135	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/14/04	1135	MS
Boron	0.05	mg/L		0.01	EPA 200.7	04/13/04	0730	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/14/04	1135	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0730	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/14/04	1135	MS
Iron	3.71	mg/L		0.05	EPA 200.7	04/13/04	0730	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1135	MS
Manganese	0.75	mg/L		0.02	EPA 200.7	04/13/04	0730	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1135	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0730	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	04/14/04	1135	MS
Uranium	0.664	mg/L		0.0001	EPA 200.8	04/14/04	1135	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/14/04	1135	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0730	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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2U84-1
Lab ID: 0104W05030
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.6	s.u.			0.1	EPA 150.1	04/13/04	1757	RM
Lab Conductivity @ 25°C	346	µmhos/cm			5	SM 2510 B	04/13/04	1813	RM
Total Dissolved Solids @ 180°C	220	mg/L			10	SM 2540 C	04/13/04	1100	JG
Total Dissolved Solids(Calc)	190	mg/L			10	SM 1030 F.	04/14/04	1329	
Total Alkalinity as CaCO3	125	mg/L			1.0	SM 2320 B	04/13/04	1813	RM
Total Hardness as CaCO3	88.0	mg/L			1.0	SM 2340 B	04/13/04	0733	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	04/16/04	1005	JF
Nitrite as N	<0.1P	mg/L			0.1	EPA 300.0	04/13/04	0714	LK
Radium 226	109±6.6	pCi/L			0.2	SM 7500 Ra-B	04/24/04	2325	TP
Silica as SiO2	2.8	mg/L			0.1	EPA 200.7	04/13/04	0733	MH
Sodium Adsorption Ratio	1.8				N/A	Calculations	04/13/04	0733	
Anions									
Bicarbonate as HCO3	153	mg/L	2.50	meq/L	1.0	SM 2320 B	04/13/04	1813	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	1813	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	1813	RM
Chloride	2.1	mg/L	0.06	meq/L	1.0	EPA 300.0	04/13/04	0714	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/13/04	1813	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/14/04	1329	JF
Sulfate	43.3	mg/L	0.90	meq/L	1.0	EPA 300.0	04/13/04	0714	LK
Cations									
Calcium	29.9	mg/L	1.49	meq/L	1.0	EPA 200.7	04/13/04	0733	MH
Magnesium	3.3	mg/L	0.27	meq/L	1.0	EPA 200.7	04/13/04	0733	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	04/13/04	0733	MH
Sodium	38.1	mg/L	1.66	meq/L	0.2	EPA 200.7	04/13/04	0733	MH
Cations			3.42	meq/L	N/A	SM 1030 F.	04/13/04	0733	
Anions			3.46	meq/L	N/A	SM 1030 F.	04/14/04	1329	
Cation/Anion Balance			0.58	%	N/A	SM 1030 F.	04/13/04	0733	

These results only apply to the samples tested. P - Parameter analyzed past holding time.

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/R93/180, "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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2U84-1
Lab ID: 0104W05030
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/13/04	0733	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/14/04	1137	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/14/04	1137	MS
Boron	0.04	mg/L		0.01	EPA 200.7	04/13/04	0733	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/14/04	1137	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0733	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/14/04	1137	MS
Iron	1.22	mg/L		0.05	EPA 200.7	04/13/04	0733	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1137	MS
Manganese	0.13	mg/L		0.02	EPA 200.7	04/13/04	0733	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1137	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0733	MH
Selenium	0.012	mg/L		0.005	EPA 200.8	04/14/04	1137	MS
Uranium	0.325	mg/L		0.0001	EPA 200.8	04/14/04	1137	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/14/04	1137	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0733	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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AG26-1
Lab ID: 0104W05031
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.6	s.u.			0.1	EPA 150.1	04/13/04	1757	RM
Lab Conductivity @ 25°C	651	µmhos/cm			5	SM 2510 B	04/13/04	1831	RM
Total Dissolved Solids @ 180°C	450	mg/L			10	SM 2540 C	04/13/04	1100	JG
Total Dissolved Solids(Calc)	280	mg/L			10	SM 1030 F.	04/14/04	1330	
Total Alkalinity as CaCO3	163	mg/L			1.0	SM 2320 B	04/13/04	1831	RM
Total Hardness as CaCO3	156	mg/L			1.0	SM 2340 B	04/13/04	0737	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	04/16/04	1006	JF
Nitrite as N	<0.1P	mg/L			0.1	EPA 300.0	04/13/04	0714	LK
Radium 226	95.0±6.5	pCi/L			0.2	SM 7500 Ra-B	04/24/04	2325	TP
Silica as SiO2	4.3	mg/L			0.1	EPA 200.7	04/13/04	0737	MH
Sodium Adsorption Ratio	1.4				N/A	Calculations	04/13/04	0737	
Anions									
Bicarbonate as HCO3	198	mg/L	3.25	meq/L	1.0	SM 2320 B	04/13/04	1831	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	1831	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	1831	RM
Chloride	2.4	mg/L	0.07	meq/L	1.0	EPA 300.0	04/21/04	0714	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/13/04	1831	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/14/04	1330	JF
Sulfate	82.3	mg/L	1.71	meq/L	1.0	EPA 300.0	04/21/04	0641	LK
Cations									
Calcium	54.7	mg/L	2.73	meq/L	1.0	EPA 200.7	04/13/04	0737	MH
Magnesium	4.6	mg/L	0.38	meq/L	1.0	EPA 200.7	04/13/04	0737	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	04/13/04	0737	MH
Sodium	40.1	mg/L	1.74	meq/L	0.2	EPA 200.7	04/13/04	0737	MH
Cations			4.85	meq/L	N/A	SM 1030 F.	04/13/04	0737	
Anions			5.03	meq/L	N/A	SM 1030 F.	04/14/04	1330	
Cation/Anion Balance			1.82	%	N/A	SM 1030 F.	04/13/04	0737	

These results only apply to the samples tested. P - Parameter analyzed past holding time.

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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AG26-1
Lab ID: 0104W05031
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/13/04	0737	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/14/04	1140	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/14/04	1140	MS
Boron	0.06	mg/L		0.01	EPA 200.7	04/13/04	0737	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/14/04	1140	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0737	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/14/04	1140	MS
Iron	0.06	mg/L		0.05	EPA 200.7	04/13/04	0737	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1140	MS
Manganese	0.46	mg/L		0.02	EPA 200.7	04/13/04	0737	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1140	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0737	MH
Selenium	0.008	mg/L		0.005	EPA 200.8	04/14/04	1140	MS
Uranium	0.0187	mg/L		0.0001	EPA 200.8	04/14/04	1140	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/14/04	1140	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0737	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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AF34-1
Lab ID: 0104W05032
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.4	s.u.			0.1	EPA 150.1	04/13/04	1757	RM
Lab Conductivity @ 25°C	461	µmhos/cm			5	SM 2510 B	04/13/04	1848	RM
Total Dissolved Solids @ 180°C	320	mg/L			10	SM 2540 C	04/13/04	1100	JG
Total Dissolved Solids(Calc)	280	mg/L			10	SM 1030 F.	04/14/04	1331	
Total Alkalinity as CaCO3	120	mg/L			1.0	SM 2320 B	04/13/04	1848	RM
Total Hardness as CaCO3	51.5	mg/L			1.0	SM 2340 B	04/13/04	0740	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	04/16/04	1007	JF
Nitrite as N	<0.1P	mg/L			0.1	EPA 300.0	04/13/04	0714	LK
Radium 226	121±7.2	pCi/L			0.2	SM 7500 Ra-B	04/24/04	2325	TP
Silica as SiO2	5.2	mg/L			0.1	EPA 200.7	04/13/04	0740	MH
Sodium Adsorption Ratio	5.1				N/A	Calculations	04/13/04	0740	
Anions									
Bicarbonate as HCO3	146	mg/L	2.40	meq/L	1.0	SM 2320 B	04/13/04	1848	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	1848	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	1848	RM
Chloride	5.8	mg/L	0.16	meq/L	1.0	EPA 300.0	04/13/04	0714	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/13/04	1848	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/14/04	1331	JF
Sulfate	99.7	mg/L	2.08	meq/L	1.0	EPA 300.0	04/13/04	0714	LK
Cations									
Calcium	16.5	mg/L	0.82	meq/L	1.0	EPA 200.7	04/13/04	0740	MH
Magnesium	2.5	mg/L	0.21	meq/L	1.0	EPA 200.7	04/13/04	0740	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	04/13/04	0740	MH
Sodium	84.1	mg/L	3.66	meq/L	0.2	EPA 200.7	04/13/04	0740	MH
Cations			4.69	meq/L	N/A	SM 1030 F.	04/13/04	0740	
Anions			4.64	meq/L	N/A	SM 1030 F.	04/14/04	1331	
Cation/Anion Balance			0.54	%	N/A	SM 1030 F.	04/13/04	0740	

These results only apply to the samples tested. P - Parameter analyzed past holding time.

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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AF34-1
Lab ID: 0104W05032
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/13/04	0740	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/14/04	1145	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/14/04	1145	MS
Boron	0.06	mg/L		0.01	EPA 200.7	04/13/04	0740	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/14/04	1145	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0740	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/14/04	1145	MS
Iron	1.02	mg/L		0.05	EPA 200.7	04/13/04	0740	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1145	MS
Manganese	0.29	mg/L		0.02	EPA 200.7	04/13/04	0740	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1145	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0740	MH
Selenium	0.005	mg/L		0.005	EPA 200.8	04/14/04	1145	MS
Uranium	0.194	mg/L		0.0001	EPA 200.8	04/14/04	1145	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/14/04	1145	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0740	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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AD26-1
Lab ID: 0104W05033
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.5	s.u.			0.1	EPA 150.1	04/13/04	1757	RM
Lab Conductivity @ 25°C	471	µmhos/cm			5	SM 2510 B	04/13/04	1905	RM
Total Dissolved Solids @ 180°C	310	mg/L			10	SM 2540 C	04/13/04	1100	JG
Total Dissolved Solids(Calc)	420	mg/L			10	SM 1030 F.	04/14/04	1332	
Total Alkalinity as CaCO3	149	mg/L			1.0	SM 2320 B	04/13/04	1905	RM
Total Hardness as CaCO3	161	mg/L			1.0	SM 2340 B	04/13/04	0743	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	04/16/04	1008	JF
Nitrite as N	<0.1P	mg/L			0.1	EPA 300.0	04/13/04	0714	LK
Radium 226	162±7.8	pCi/L			0.2	SM 7500 Ra-B	04/24/04	2325	TP
Silica as SiO2	4.3	mg/L			0.1	EPA 200.7	04/13/04	0743	MH
Sodium Adsorption Ratio	2.8				N/A	Calculations	04/13/04	0743	
Anions									
Bicarbonate as HCO3	181	mg/L	2.97	meq/L	1.0	SM 2320 B	04/13/04	1905	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	1905	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	1905	RM
Chloride	5.8	mg/L	0.16	meq/L	1.0	EPA 300.0	04/21/04	0714	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/13/04	1905	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/14/04	1332	JF
Sulfate	178	mg/L	3.71	meq/L	1.0	EPA 300.0	04/21/04	0714	LK
Cations									
Calcium	53.1	mg/L	2.65	meq/L	1.0	EPA 200.7	04/13/04	0743	MH
Magnesium	6.8	mg/L	0.56	meq/L	1.0	EPA 200.7	04/13/04	0743	MH
Potassium	1.2	mg/L	0.03	meq/L	1.0	EPA 200.7	04/13/04	0743	MH
Sodium	82.6	mg/L	3.59	meq/L	0.2	EPA 200.7	04/13/04	0743	MH
Cations			6.83	meq/L	N/A	SM 1030 F.	04/13/04	0743	
Anions			6.84	meq/L	N/A	SM 1030 F.	04/14/04	1332	
Cation/Anion Balance			0.07	%	N/A	SM 1030 F.	04/13/04	0743	

These results only apply to the samples tested. P - Parameter analyzed past holding time.

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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AD26-1
Lab ID: 0104W05033
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/13/04	0743	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/14/04	1148	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/14/04	1148	MS
Boron	0.06	mg/L		0.01	EPA 200.7	04/13/04	0743	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/14/04	1148	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0743	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/14/04	1148	MS
Iron	1.27	mg/L		0.05	EPA 200.7	04/13/04	0743	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1148	MS
Manganese	0.62	mg/L		0.02	EPA 200.7	04/13/04	0743	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1148	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0743	MH
Selenium	0.007	mg/L		0.005	EPA 200.8	04/14/04	1148	MS
Uranium	0.395	mg/L		0.0001	EPA 200.8	04/14/04	1148	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/14/04	1148	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0743	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: 2AD26-1
Lab ID: 0104W05033
Matrix: Water
Condition: Cool/Intact

Report Date: 04/27/04
Receipt Date: 04/08/04
Sample Date: 04/08/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
General Parameters					
Lab pH	7.5	7.4	1	0.1	s.u.
Lab Conductivity @ 25°C	471	473	0	5	µmhos/cm
Total Dissolved Solids @ 180°C	310	320	3	10	mg/L
Total Dissolved Solids(Calc)	420	410	2	10	mg/L
Total Alkalinity as CaCO3	149	149	0	1.0	mg/L
Total Hardness as CaCO3	161	160	1	1.0	mg/L
Ammonia Nitrogen	0.1	0.1	0.0**	0.1	mg/L
Nitrite as N	<0.1	<0.1 P	NC*	0.1	mg/L
Silica as SiO2	4.3	4.3	0	0.1	mg/L
Sodium Adsorption Ratio	2.8	2.8	0		
Anions					
Bicarbonate as HCO3	181	181	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	5.8	5.8	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	178	176	1	1.0	mg/L
Cations					
Calcium	53.1	52.7	1	1.0	mg/L
Magnesium	6.8	6.9	1	1.0	mg/L
Potassium	1.2	1.2	0.0**	1.0	mg/L
Sodium	82.6	81.9	1	0.2	mg/L
Cations	6.83	6.79	1		meq/L
Anions	6.84	6.79	1		meq/L
Cation/Anion Balance	0.07	0.00			%

*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. P - Parameter analyzed past holding time.

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

1673 Terra Avenue
Sheridan, WY 82801

Quality Control Report
Duplicate Analysis

Client: COGEMA Mining,Inc.
Project: Christensen
Sample ID: 2AD26-1
Lab ID: 0104W05033
Matrix: Water
Condition: Cool/Intact

Report Date: 04/27/04
Receipt Date: 04/08/04
Sample Date: 04/08/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
Dissolved Metals					
Aluminum	<0.1	<0.1	NC*	0.1	mg/L
Arsenic	<0.005	0.006	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	1.27	1.27	0	0.05	mg/L
Lead	<0.02	<0.02	NC*	0.02	mg/L
Manganese	0.62	0.61	2	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	0.007	0.008	0.001**	0.005	mg/L
Uranium	0.395	0.370	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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AA28-1
Lab ID: 0104W05034
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.2	s.u.			0.1	EPA 150.1	04/13/04	1757	RM
Lab Conductivity @ 25°C	594	µmhos/cm			5	SM 2510 B	04/13/04	1938	RM
Total Dissolved Solids @ 180°C	420	mg/L			10	SM 2540 C	04/13/04	1100	JG
Total Dissolved Solids(Calc)	380	mg/L			10	SM 1030 F.	04/14/04	1334	
Total Alkalinity as CaCO3	54.0	mg/L			1.0	SM 2320 B	04/13/04	1938	RM
Total Hardness as CaCO3	81.5	mg/L			1.0	SM 2340 B	04/13/04	0749	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	04/16/04	1010	JF
Nitrite as N	<0.1P	mg/L			0.1	EPA 300.0	04/13/04	0714	LK
Radium 226	371±12	pCi/L			0.2	SM 7500 Ra-B	04/24/04	2325	TP
Silica as SiO2	5.9	mg/L			0.1	EPA 200.7	04/13/04	0749	MH
Sodium Adsorption Ratio	4.4				N/A	Calculations	04/13/04	0749	
Anions									
Bicarbonate as HCO3	65.9	mg/L	1.08	meq/L	1.0	SM 2320 B	04/13/04	1938	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	1938	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	1938	RM
Chloride	6.9	mg/L	0.19	meq/L	1.0	EPA 300.0	04/13/04	0714	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/13/04	1938	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/14/04	1334	JF
Sulfate	218	mg/L	4.54	meq/L	1.0	EPA 300.0	04/21/04	0641	LK
Cations									
Calcium	25.0	mg/L	1.25	meq/L	1.0	EPA 200.7	04/13/04	0749	MH
Magnesium	4.6	mg/L	0.38	meq/L	1.0	EPA 200.7	04/13/04	0749	MH
Potassium	1.2	mg/L	0.03	meq/L	1.0	EPA 200.7	04/13/04	0749	MH
Sodium	91.5	mg/L	3.98	meq/L	0.2	EPA 200.7	04/13/04	0749	MH
Cations			5.64	meq/L	N/A	SM 1030 F.	04/13/04	0749	
Anions			5.81	meq/L	N/A	SM 1030 F.	04/14/04	1334	
Cation/Anion Balance			1.48	%	N/A	SM 1030 F.	04/13/04	0749	

These results only apply to the samples tested. P - Parameter analyzed past holding time.

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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AA28-1
Lab ID: 0104W05034
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/13/04	0749	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/14/04	1153	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/14/04	1153	MS
Boron	0.06	mg/L		0.01	EPA 200.7	04/13/04	0749	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/14/04	1153	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0749	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/14/04	1153	MS
Iron	4.16	mg/L		0.05	EPA 200.7	04/13/04	0749	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1153	MS
Manganese	0.24	mg/L		0.02	EPA 200.7	04/13/04	0749	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1153	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0749	MH
Selenium	0.006	mg/L		0.005	EPA 200.8	04/14/04	1153	MS
Uranium	0.0276	mg/L		0.0001	EPA 200.8	04/14/04	1153	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/14/04	1153	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0749	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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AI30-1
Lab ID: 0104W05035
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.8	s.u.			0.1	EPA 150.1	04/13/04	1757	RM
Lab Conductivity @ 25°C	522	µmhos/cm			5	SM 2510 B	04/13/04	1956	RM
Total Dissolved Solids @ 180°C	350	mg/L			10	SM 2540 C	04/13/04	1100	JG
Total Dissolved Solids(Calc)	320	mg/L			10	SM 1030 F.	04/14/04	1335	
Total Alkalinity as CaCO3	185	mg/L			1.0	SM 2320 B	04/13/04	1956	RM
Total Hardness as CaCO3	156	mg/L			1.0	SM 2340 B	04/13/04	0802	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	04/16/04	1011	JF
Nitrite as N	<0.1P	mg/L			0.1	EPA 300.0	04/13/04	0714	LK
Radium 226	460±14	pCi/L			0.2	SM 7500 Ra-B	04/24/04	2325	TP
Silica as SiO2	3.6	mg/L			0.1	EPA 200.7	04/13/04	0802	MH
Sodium Adsorption Ratio	1.9				N/A	Calculations	04/13/04	0802	
Anions									
Bicarbonate as HCO3	226	mg/L	3.70	meq/L	1.0	SM 2320 B	04/13/04	1956	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	1956	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	1956	RM
Chloride	2.4	mg/L	0.07	meq/L	1.0	EPA 300.0	04/13/04	0714	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/13/04	1956	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/14/04	1335	JF
Sulfate	91.6	mg/L	1.91	meq/L	1.0	EPA 300.0	04/22/04	0714	LK
Cations									
Calcium	56.3	mg/L	2.81	meq/L	1.0	EPA 200.7	04/13/04	0802	MH
Magnesium	3.7	mg/L	0.31	meq/L	1.0	EPA 200.7	04/13/04	0802	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	04/13/04	0802	MH
Sodium	54.6	mg/L	2.37	meq/L	0.2	EPA 200.7	04/13/04	0802	MH
Cations			5.49	meq/L	N/A	SM 1030 F.	04/13/04	0802	
Anions			5.68	meq/L	N/A	SM 1030 F.	04/14/04	1335	
Cation/Anion Balance			1.70	%	N/A	SM 1030 F.	04/13/04	0802	

These results only apply to the samples tested. P - Parameter analyzed past holding time.

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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AI30-1
Lab ID: 0104W05035
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/13/04	0802	MH
Arsenic	0.010	mg/L		0.005	EPA 200.8	04/14/04	1156	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/14/04	1156	MS
Boron	0.06	mg/L		0.01	EPA 200.7	04/13/04	0802	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/14/04	1156	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0802	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/14/04	1156	MS
Iron	0.14	mg/L		0.05	EPA 200.7	04/13/04	0802	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1156	MS
Manganese	1.33	mg/L		0.02	EPA 200.7	04/13/04	0802	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1156	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0802	MH
Selenium	0.008	mg/L		0.005	EPA 200.8	04/14/04	1156	MS
Uranium	0.207	mg/L		0.0001	EPA 200.8	04/14/04	1156	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/14/04	1156	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0802	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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AE16-1
Lab ID: 0104W05036
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.7	s.u.			0.1	EPA 150.1	04/13/04	1757	RM
Lab Conductivity @ 25°C	564	µmhos/cm			5	SM 2510 B	04/13/04	2014	RM
Total Dissolved Solids @ 180°C	370	mg/L			10	SM 2540 C	04/13/04	1100	JG
Total Dissolved Solids(Calc)	350	mg/L			10	SM 1030 F.	04/14/04	1336	
Total Alkalinity as CaCO3	173	mg/L			1.0	SM 2320 B	04/13/04	2014	RM
Total Hardness as CaCO3	175	mg/L			1.0	SM 2340 B	04/13/04	0805	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	04/16/04	1012	JF
Nitrite as N	<0.1P	mg/L			0.1	EPA 300.0	04/13/04	0714	LK
Radium 226	253±13	pCi/L			0.2	SM 7500 Ra-B	04/24/04	2325	TP
Silica as SiO2	4.4	mg/L			0.1	EPA 200.7	04/13/04	0805	MH
Sodium Adsorption Ratio	1.8				N/A	Calculations	04/13/04	0805	
Anions									
Bicarbonate as HCO3	211	mg/L	3.46	meq/L	1.0	SM 2320 B	04/13/04	2014	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	2014	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	2014	RM
Chloride	3.1	mg/L	0.09	meq/L	1.0	EPA 300.0	04/13/04	0714	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/13/04	2014	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/14/04	1336	JF
Sulfate	118	mg/L	2.45	meq/L	1.0	EPA 300.0	04/13/04	0714	LK
Cations									
Calcium	59.2	mg/L	2.96	meq/L	1.0	EPA 200.7	04/13/04	0805	MH
Magnesium	6.5	mg/L	0.53	meq/L	1.0	EPA 200.7	04/13/04	0805	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	04/13/04	0805	MH
Sodium	53.9	mg/L	2.34	meq/L	0.2	EPA 200.7	04/13/04	0805	MH
Cations			5.83	meq/L	N/A	SM 1030 F.	04/13/04	0805	
Anions			6.00	meq/L	N/A	SM 1030 F.	04/14/04	1336	
Cation/Anion Balance			1.44	%	N/A	SM 1030 F.	04/13/04	0805	

These results only apply to the samples tested. P - Parameter analyzed past holding time.

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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AE16-1
Lab ID: 0104W05036
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/13/04	0805	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/14/04	1158	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/14/04	1158	MS
Boron	0.05	mg/L		0.01	EPA 200.7	04/13/04	0805	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/14/04	1158	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0805	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/14/04	1158	MS
Iron	0.60	mg/L		0.05	EPA 200.7	04/13/04	0805	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1158	MS
Manganese	0.54	mg/L		0.02	EPA 200.7	04/13/04	0805	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1158	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0805	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	04/14/04	1158	MS
Uranium	0.0961	mg/L		0.0001	EPA 200.8	04/14/04	1158	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/14/04	1158	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0805	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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2T95-1
Lab ID: 0104W05037
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.3	s.u.			0.1	EPA 150.1	04/13/04	1757	RM
Lab Conductivity @ 25°C	631	µmhos/cm			5	SM 2510 B	04/13/04	2028	RM
Total Dissolved Solids @ 180°C	420	mg/L			10	SM 2540 C	04/13/04	1100	JG
Total Dissolved Solids(Calc)	390	mg/L			10	SM 1030 F.	04/14/04	1338	
Total Alkalinity as CaCO3	177	mg/L			1.0	SM 2320 B	04/13/04	2028	RM
Total Hardness as CaCO3	96.0	mg/L			1.0	SM 2340 B	04/13/04	0808	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	04/16/04	1018	JF
Nitrite as N	<0.1P	mg/L			0.1	EPA 300.0	04/13/04	0714	LK
Radium 226	109±8.3	pCi/L			0.2	SM 7500 Ra-B	04/24/04	2325	TP
Silica as SIO2	6.3	mg/L			0.1	EPA 200.7	04/13/04	0808	MH
Sodium Adsorption Ratio	4.8				N/A	Calculations	04/13/04	0808	
Anions									
Bicarbonate as HCO3	216	mg/L	3.54	meq/L	1.0	SM 2320 B	04/13/04	2028	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	2028	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	2028	RM
Chloride	6.6	mg/L	0.19	meq/L	1.0	EPA 300.0	04/13/04	0714	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/13/04	2028	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/14/04	1338	JF
Sulfate	133	mg/L	2.78	meq/L	1.0	EPA 300.0	04/13/04	0714	LK
Cations									
Calcium	29.3	mg/L	1.46	meq/L	1.0	EPA 200.7	04/13/04	0808	MH
Magnesium	5.6	mg/L	0.46	meq/L	1.0	EPA 200.7	04/13/04	0808	MH
Potassium	1.2	mg/L	0.03	meq/L	1.0	EPA 200.7	04/13/04	0808	MH
Sodium	107	mg/L	4.66	meq/L	0.2	EPA 200.7	04/13/04	0808	MH
Cations			6.61	meq/L	N/A	SM 1030 F.	04/13/04	0808	
Anions			6.51	meq/L	N/A	SM 1030 F.	04/14/04	1338	
Cation/Anion Balance			0.76	%	N/A	SM 1030 F.	04/13/04	0808	

These results only apply to the samples tested. P - Parameter analyzed past holding time.

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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2T95-1
Lab ID: 0104W05037
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/13/04	0808	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/14/04	1209	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/14/04	1209	MS
Boron	0.05	mg/L		0.01	EPA 200.7	04/13/04	0808	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/14/04	1209	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0808	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/14/04	1209	MS
Iron	0.89	mg/L		0.05	EPA 200.7	04/13/04	0808	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1209	MS
Manganese	0.13	mg/L		0.02	EPA 200.7	04/13/04	0808	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1209	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0808	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	04/14/04	1209	MS
Uranium	0.0333	mg/L		0.0001	EPA 200.8	04/14/04	1209	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/14/04	1209	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0808	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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2Y46-1
Lab ID: 0104W05038
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.1	s.u.			0.1	EPA 150.1	04/13/04	1757	RM
Lab Conductivity @ 25°C	367	µmhos/cm			5	SM 2510 B	04/13/04	2042	RM
Total Dissolved Solids @ 180°C	250	mg/L			10	SM 2540 C	04/13/04	1100	JG
Total Dissolved Solids(Calc)	220	mg/L			10	SM 1030 F.	04/14/04	1344	
Total Alkalinity as CaCO3	45.5	mg/L			1.0	SM 2320 B	04/13/04	2042	RM
Total Hardness as CaCO3	24.0	mg/L			1.0	SM 2340 B	04/13/04	0811	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	04/16/04	1019	JF
Nitrite as N	<0.1P	mg/L			0.1	EPA 300.0	04/13/04	0714	LK
Radium 226	11.3±2.8	pCi/L			0.2	SM 7500 Ra-B	04/24/04	2325	TP
Silica as SiO2	3.0	mg/L			0.1	EPA 200.7	04/13/04	0811	MH
Sodium Adsorption Ratio	5.9				N/A	Calculations	04/13/04	0811	
Anions									
Bicarbonate as HCO3	55.5	mg/L	0.91	meq/L	1.0	SM 2320 B	04/13/04	2042	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	2042	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	2042	RM
Chloride	3.3	mg/L	0.09	meq/L	1.0	EPA 300.0	04/13/04	0714	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/13/04	2042	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/14/04	1344	JF
Sulfate	115	mg/L	2.39	meq/L	1.0	EPA 300.0	04/14/04	0641	LK
Cations									
Calcium	7.0	mg/L	0.35	meq/L	1.0	EPA 200.7	04/13/04	0811	MH
Magnesium	1.5	mg/L	0.13	meq/L	1.0	EPA 200.7	04/13/04	0811	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	04/13/04	0811	MH
Sodium	66.4	mg/L	2.89	meq/L	0.2	EPA 200.7	04/13/04	0811	MH
Cations			3.37	meq/L	N/A	SM 1030 F.	04/13/04	0811	
Anions			3.39	meq/L	N/A	SM 1030 F.	04/14/04	1344	
Cation/Anion Balance			0.30	%	N/A	SM 1030 F.	04/13/04	0811	

These results only apply to the samples tested. P - Parameter analyzed past holding time.

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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2Y46-1
Lab ID: 0104W05038
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/13/04	0811	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/14/04	1212	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/14/04	1212	MS
Boron	0.06	mg/L		0.01	EPA 200.7	04/13/04	0811	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/14/04	1212	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0811	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/14/04	1212	MS
Iron	0.29	mg/L		0.05	EPA 200.7	04/13/04	0811	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1212	MS
Manganese	0.06	mg/L		0.02	EPA 200.7	04/13/04	0811	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1212	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0811	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	04/14/04	1212	MS
Uranium	0.0028	mg/L		0.0001	EPA 200.8	04/14/04	1212	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/14/04	1212	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0811	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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2Z35-1
Lab ID: 0104W05039
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.1	s.u.			0.1	EPA 150.1	04/13/04	1757	RM
Lab Conductivity @ 25°C	358	µmhos/cm			5	SM 2510 B	04/13/04	2057	RM
Total Dissolved Solids @ 180°C	250	mg/L			10	SM 2540 C	04/13/04	1100	JG
Total Dissolved Solids(Calc)	220	mg/L			10	SM 1030 F.	04/14/04	1345	
Total Alkalinity as CaCO3	81.0	mg/L			1.0	SM 2320 B	04/13/04	2057	RM
Total Hardness as CaCO3	27.5	mg/L			1.0	SM 2340 B	04/13/04	0814	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	04/16/04	1020	JF
Nitrite as N	<0.1P	mg/L			0.1	EPA 300.0	04/13/04	0714	LK
Radium 226	72.3±6.8	pCi/L			0.2	SM 7500 Ra-B	04/24/04	2325	TP
Silica as SiO2	9.1	mg/L			0.1	EPA 200.7	04/13/04	0814	MH
Sodium Adsorption Ratio	5.6				N/A	Calculations	04/13/04	0814	
Anions									
Bicarbonate as HCO3	98.8	mg/L	1.62	meq/L	1.0	SM 2320 B	04/13/04	2057	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	2057	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	2057	RM
Chloride	2.5	mg/L	0.07	meq/L	1.0	EPA 300.0	04/13/04	0714	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/13/04	2057	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/14/04	1345	JF
Sulfate	90.2	mg/L	1.88	meq/L	1.0	EPA 300.0	04/13/04	0714	LK
Cations									
Calcium	8.2	mg/L	0.41	meq/L	1.0	EPA 200.7	04/13/04	0814	MH
Magnesium	1.7	mg/L	0.14	meq/L	1.0	EPA 200.7	04/13/04	0814	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	04/13/04	0814	MH
Sodium	67.1	mg/L	2.92	meq/L	0.2	EPA 200.7	04/13/04	0814	MH
Cations			3.47	meq/L	N/A	SM 1030 F.	04/13/04	0814	
Anions			3.57	meq/L	N/A	SM 1030 F.	04/14/04	1345	
Cation/Anion Balance			1.42	%	N/A	SM 1030 F.	04/13/04	0814	

These results only apply to the samples tested. P - Parameter analyzed past holding time.

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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2Z35-1
Lab ID: 0104W05039
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/13/04	0814	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/14/04	1214	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/14/04	1214	MS
Boron	0.06	mg/L		0.01	EPA 200.7	04/13/04	0814	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/14/04	1214	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0814	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/14/04	1214	MS
Iron	0.75	mg/L		0.05	EPA 200.7	04/13/04	0814	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1214	MS
Manganese	0.05	mg/L		0.02	EPA 200.7	04/13/04	0814	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1214	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0814	MH
Selenium	0.008	mg/L		0.005	EPA 200.8	04/14/04	1214	MS
Uranium	0.0102	mg/L		0.0001	EPA 200.8	04/14/04	1214	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/14/04	1214	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0814	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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AD29-1
Lab ID: 0104W05040
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.3	s.u.			0.1	EPA 150.1	04/13/04	1757	RM
Lab Conductivity @ 25°C	860	µmhos/cm			5	SM 2510 B	04/13/04	2112	RM
Total Dissolved Solids @ 180°C	570	mg/L			10	SM 2540 C	04/13/04	1100	JG
Total Dissolved Solids(Calc)	540	mg/L			10	SM 1030 F.	04/14/04	1346	
Total Alkalinity as CaCO3	254	mg/L			1.0	SM 2320 B	04/13/04	2112	RM
Total Hardness as CaCO3	147	mg/L			1.0	SM 2340 B	04/13/04	0704	
Ammonia Nitrogen	0.2	mg/L			0.1	EPA 350.1	04/16/04	1021	JF
Nitrite as N	<0.1P	mg/L			0.1	EPA 300.0	04/13/04	0714	LK
Radium 226	236±12	pCi/L			0.2	SM 7500 Ra-B	04/24/04	2325	TP
Silica as SiO2	5.2	mg/L			0.1	EPA 200.7	04/13/04	0704	MH
Sodium Adsorption Ratio	5.2				N/A	Calculations	04/13/04	0704	
Anions									
Bicarbonate as HCO3	309	mg/L	5.07	meq/L	1.0	SM 2320 B	04/13/04	2112	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	2112	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	2112	RM
Chloride	19.7	mg/L	0.55	meq/L	1.0	EPA 300.0	04/13/04	0714	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/13/04	2112	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/14/04	1346	JF
Sulfate	172	mg/L	3.59	meq/L	1.0	EPA 300.0	04/13/04	0714	LK
Cations									
Calcium	42.4	mg/L	2.11	meq/L	1.0	EPA 200.7	04/13/04	0704	MH
Magnesium	9.9	mg/L	0.82	meq/L	1.0	EPA 200.7	04/13/04	0704	MH
Potassium	1.5	mg/L	0.04	meq/L	1.0	EPA 200.7	04/13/04	0704	MH
Sodium	145	mg/L	6.33	meq/L	0.2	EPA 200.7	04/13/04	0704	MH
Cations			9.30	meq/L	N/A	SM 1030 F.	04/13/04	0704	
Anions			9.21	meq/L	N/A	SM 1030 F.	04/14/04	1346	
Cation/Anion Balance			0.49	%	N/A	SM 1030 F.	04/13/04	0704	

These results only apply to the samples tested. P - Parameter analyzed past holding time.

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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AD29-1
Lab ID: 0104W05040
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/13/04	0704	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/14/04	1217	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/14/04	1217	MS
Boron	0.07	mg/L		0.01	EPA 200.7	04/13/04	0704	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/14/04	1217	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0704	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/14/04	1217	MS
Iron	2.76	mg/L		0.05	EPA 200.7	04/13/04	0704	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1217	MS
Manganese	0.26	mg/L		0.02	EPA 200.7	04/13/04	0704	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1217	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0704	MH
Selenium	0.006	mg/L		0.005	EPA 200.8	04/14/04	1217	MS
Uranium	0.0772	mg/L		0.0001	EPA 200.8	04/14/04	1217	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/14/04	1217	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0704	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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AG31-1
Lab ID: 0104W05041
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.3	s.u.			0.1	EPA 150.1	04/13/04	1757	RM
Lab Conductivity @ 25°C	338	µmhos/cm			5	SM 2510 B	04/13/04	2128	RM
Total Dissolved Solids @ 180°C	230	mg/L			10	SM 2540 C	04/13/04	1100	JG
Total Dissolved Solids(Calc)	200	mg/L			10	SM 1030 F.	04/14/04	1347	
Total Alkalinity as CaCO3	79.5	mg/L			1.0	SM 2320 B	04/13/04	2128	RM
Total Hardness as CaCO3	48.0	mg/L			1.0	SM 2340 B	04/13/04	0707	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	04/16/04	1022	JF
Nitrite as N	<0.1P	mg/L			0.1	EPA 300.0	04/13/04	0714	LK
Radium 226	76.7±7.1	pCi/L			0.2	SM 7500 Ra-B	04/24/04	2325	TP
Silica as SiO2	5.6	mg/L			0.1	EPA 200.7	04/13/04	0707	MH
Sodium Adsorption Ratio	3.4				N/A	Calculations	04/13/04	0707	
Anions									
Bicarbonate as HCO3	97.0	mg/L	1.59	meq/L	1.0	SM 2320 B	04/13/04	2128	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	2128	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/13/04	2128	RM
Chloride	3.3	mg/L	0.09	meq/L	1.0	EPA 300.0	04/13/04	0714	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/13/04	2128	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/14/04	1347	JF
Sulfate	75.1	mg/L	1.56	meq/L	1.0	EPA 300.0	04/13/04	0714	LK
Cations									
Calcium	15.7	mg/L	0.78	meq/L	1.0	EPA 200.7	04/13/04	0707	MH
Magnesium	2.2	mg/L	0.18	meq/L	1.0	EPA 200.7	04/13/04	0707	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	04/13/04	0707	MH
Sodium	53.4	mg/L	2.32	meq/L	0.2	EPA 200.7	04/13/04	0707	MH
Cations			3.28	meq/L	N/A	SM 1030 F.	04/13/04	0707	
Anions			3.24	meq/L	N/A	SM 1030 F.	04/14/04	1347	
Cation/Anion Balance			0.61	%	N/A	SM 1030 F.	04/13/04	0707	

These results only apply to the samples tested. P - Parameter analyzed past holding time.

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: 010405029

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2AG31-1
Lab ID: 0104W05041
Matrix: Water
Condition: Cool/Intact

Date Received: 04/08/04
Date Reported: 04/27/04
Date Sampled: 04/08/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/13/04	0707	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/14/04	1219	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/14/04	1219	MS
Boron	0.06	mg/L		0.01	EPA 200.7	04/13/04	0707	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/14/04	1219	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0707	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/14/04	1219	MS
Iron	0.71	mg/L		0.05	EPA 200.7	04/13/04	0707	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1219	MS
Manganese	0.08	mg/L		0.02	EPA 200.7	04/13/04	0707	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/14/04	1219	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0707	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	04/14/04	1219	MS
Uranium	0.0678	mg/L		0.0001	EPA 200.8	04/14/04	1219	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/14/04	1219	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/13/04	0707	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 4-7-04 Received by [signature] Date 4-7

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 MW 2)

*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	2V56-1	4-7-04	Half Gal.	X		X		4766
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	2U38-1		**	**	**	**	**	4767
3	2W50-1		**	**	**	**	**	4768
4	2U52-1		**	**	**	**	**	4769
5	2X54-1		**	**	**	**	**	4770
6	2T46-1		**	**	**	**	**	4771
7	2S100-2		**	**	**	**	**	4772
8	2T92-2		**	**	**	**	**	4773d
9	2T105-2		**	**	**	**	**	4774
10	2V76-1		**	**	**	**	**	4775
11	2S88-1		**	**	**	**	**	4776
12	2R115-1		**	**	**	**	**	4777
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

Report ID: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2V56-1
Lab ID: 0104W04766
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.0	s.u.			0.1	EPA 150.1	04/08/04	1646	RM
Lab Conductivity @ 25°C	1,220	µmhos/cm			5	SM 2510 B	04/08/04	1646	RM
Total Dissolved Solids @ 180°C	890	mg/L			10	SM 2540 C	04/13/04	1500	RM
Total Dissolved Solids(Calc)	830	mg/L			10	SM 1030 F.	04/12/04	1220	
Total Alkalinity as CaCO3	290	mg/L			1.0	SM 2320 B	04/08/04	1646	RM
Total Hardness as CaCO3	232	mg/L			1.0	SM 2340 B	04/10/04	0718	
Ammonia Nitrogen	0.1	mg/L			0.1	EPA 350.1	04/08/04	1608	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	04/08/04	1320	JF
Radium 226	185±8.2	pCi/L			0.2	SM 7500 Ra-B	04/24/04	1119	TP
Silica as SiO2	7.6	mg/L			0.1	EPA 200.7	04/10/04	0718	MH
Sodium Adsorption Ratio	6.1	.			N/A	Calculations	04/10/04	0718	
Anions									
Bicarbonate as HCO3	353	mg/L	5.79	meq/L	1.0	SM 2320 B	04/08/04	1646	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1646	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1646	RM
Chloride	46.4	mg/L	1.31	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/08/04	1646	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/12/04	1220	JF
Sulfate	310	mg/L	6.46	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Cations									
Calcium	70.9	mg/L	3.54	meq/L	1.0	EPA 200.7	04/10/04	0718	MH
Magnesium	13.4	mg/L	1.10	meq/L	1.0	EPA 200.7	04/10/04	0718	MH
Potassium	2.1	mg/L	0.05	meq/L	1.0	EPA 200.7	04/10/04	0718	MH
Sodium	213	mg/L	9.27	meq/L	0.2	EPA 200.7	04/10/04	0718	MH
Cations			13.96	meq/L	N/A	SM 1030 F.	04/10/04	0718	
Anions			13.56	meq/L	N/A	SM 1030 F.	04/12/04	1220	
Cation/Anion Balance			1.45	%	N/A	SM 1030 F.	04/10/04	0718	

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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2V56-1
Lab ID: 0104W04766
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/10/04	0718	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1139	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/08/04	1139	MS
Boron	0.08	mg/L		0.01	EPA 200.7	04/10/04	0718	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/08/04	1139	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0718	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/08/04	1139	MS
Iron	1.77	mg/L		0.05	EPA 200.7	04/10/04	0718	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1139	MS
Manganese	0.32	mg/L		0.02	EPA 200.7	04/10/04	0718	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1139	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0718	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1139	MS
Uranium	0.163	mg/L		0.0001	EPA 200.8	04/08/04	1139	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/08/04	1139	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0718	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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2U38-1
Lab ID: 0104W04767
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.1	s.u.			0.1	EPA 150.1	04/08/04	1656	RM
Lab Conductivity @ 25°C	620	µmhos/cm			5	SM 2510 B	04/08/04	1656	RM
Total Dissolved Solids @ 180°C	430	mg/L			10	SM 2540 C	04/13/04	1500	RM
Total Dissolved Solids(Calc)	400	mg/L			10	SM 1030 F.	04/12/04	1227	
Total Alkalinity as CaCO3	147	mg/L			1.0	SM 2320 B	04/08/04	1656	RM
Total Hardness as CaCO3	128	mg/L			1.0	SM 2340 B	04/10/04	0721	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	04/08/04	1609	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	04/08/04	1320	JF
Radium 226	62.5±4.5	pCi/L			0.2	SM 7500 Ra-B	04/24/04	1119	TP
Silica as SiO2	3.9	mg/L			0.1	EPA 200.7	04/10/04	0721	MH
Sodium Adsorption Ratio	3.6				N/A	Calculations	04/10/04	0721	
Anions									
Bicarbonate as HCO3	179	mg/L	2.94	meq/L	1.0	SM 2320 B	04/08/04	1656	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1656	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1656	RM
Chloride	13.5	mg/L	0.38	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/08/04	1656	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/12/04	1227	JF
Sulfate	152	mg/L	3.17	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Cations									
Calcium	43.0	mg/L	2.15	meq/L	1.0	EPA 200.7	04/10/04	0721	MH
Magnesium	5.0	mg/L	0.41	meq/L	1.0	EPA 200.7	04/10/04	0721	MH
Potassium	1.1	mg/L	0.03	meq/L	1.0	EPA 200.7	04/10/04	0721	MH
Sodium	94.4	mg/L	4.11	meq/L	0.2	EPA 200.7	04/10/04	0721	MH
Cations			6.70	meq/L	N/A	SM 1030 F.	04/10/04	0721	
Anions			6.49	meq/L	N/A	SM 1030 F.	04/12/04	1227	
Cation/Anion Balance			1.59	%	N/A	SM 1030 F.	04/10/04	0721	

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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2U38-1
Lab ID: 0104W04767
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/10/04	0721	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1142	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/08/04	1142	MS
Boron	0.07	mg/L		0.01	EPA 200.7	04/10/04	0721	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/08/04	1142	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0721	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/08/04	1142	MS
Iron	1.70	mg/L		0.05	EPA 200.7	04/10/04	0721	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1142	MS
Manganese	0.29	mg/L		0.02	EPA 200.7	04/10/04	0721	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1142	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0721	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1142	MS
Uranium	0.0127	mg/L		0.0001	EPA 200.8	04/08/04	1142	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/08/04	1142	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0721	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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2W50-1
Lab ID: 0104W04768
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.4	s.u.			0.1	EPA 150.1	04/08/04	1706	RM
Lab Conductivity @ 25°C	537	µmhos/cm			5	SM 2510 B	04/08/04	1706	RM
Total Dissolved Solids @ 180°C	400	mg/L			10	SM 2540 C	04/13/04	1500	RM
Total Dissolved Solids(Calc)	340	mg/L			10	SM 1030 F.	04/12/04	1228	
Total Alkalinity as CaCO3	111	mg/L			1.0	SM 2320 B	04/08/04	1706	RM
Total Hardness as CaCO3	137	mg/L			1.0	SM 2340 B	04/10/04	0733	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	04/08/04	1610	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	04/08/04	1320	JF
Radium 226	46.6±4.0	pCi/L			0.2	SM 7500 Ra-B	04/24/04	1119	TP
Silica as SiO2	4.7	mg/L			0.1	EPA 200.7	04/10/04	0733	MH
Sodium Adsorption Ratio	2.4				N/A	Calculations	04/10/04	0733	
Anions									
Bicarbonate as HCO3	135	mg/L	2.22	meq/L	1.0	SM 2320 B	04/08/04	1706	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1706	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1706	RM
Chloride	3.6	mg/L	0.10	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/08/04	1706	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/12/04	1228	JF
Sulfate	157	mg/L	3.27	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Cations									
Calcium	45.5	mg/L	2.27	meq/L	1.0	EPA 200.7	04/10/04	0733	MH
Magnesium	5.8	mg/L	0.47	meq/L	1.0	EPA 200.7	04/10/04	0733	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	04/10/04	0733	MH
Sodium	65.7	mg/L	2.86	meq/L	0.2	EPA 200.7	04/10/04	0733	MH
Cations			5.60	meq/L	N/A	SM 1030 F.	04/10/04	0733	
Anions			5.59	meq/L	N/A	SM 1030 F.	04/12/04	1228	
Cation/Anion Balance			0.09	%	N/A	SM 1030 F.	04/10/04	0733	

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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2W50-1
Lab ID: 0104W04768
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/10/04	0733	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1144	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/08/04	1144	MS
Boron	0.07	mg/L		0.01	EPA 200.7	04/10/04	0733	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/08/04	1144	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0733	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/08/04	1144	MS
Iron	3.00	mg/L		0.05	EPA 200.7	04/10/04	0733	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1144	MS
Manganese	0.32	mg/L		0.02	EPA 200.7	04/10/04	0733	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1144	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0733	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1144	MS
Uranium	0.0528	mg/L		0.0001	EPA 200.8	04/08/04	1144	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/08/04	1144	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0733	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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2U52-1
Lab ID: 0104W04769
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.5	s.u.			0.1	EPA 150.1	04/08/04	1718	RM
Lab Conductivity @ 25°C	697	µmhos/cm			5	SM 2510 B	04/08/04	1718	RM
Total Dissolved Solids @ 180°C	530	mg/L			10	SM 2540 C	04/13/04	1500	RM
Total Dissolved Solids(Calc)	470	mg/L			10	SM 1030 F.	04/12/04	1229	
Total Alkalinity as CaCO3	149	mg/L			1.0	SM 2320 B	04/08/04	1718	RM
Total Hardness as CaCO3	253	mg/L			1.0	SM 2340 B	04/10/04	0736	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	04/08/04	1616	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	04/08/04	1320	JF
Radium 226	96.6±6.5	pCi/L			0.2	SM 7500 Ra-B	04/24/04	1119	TP
Silica as SiO2	3.3	mg/L			0.1	EPA 200.7	04/10/04	0736	MH
Sodium Adsorption Ratio	1.7				N/A	Calculations	04/10/04	0736	
Anions									
Bicarbonate as HCO3	181	mg/L	2.97	meq/L	1.0	SM 2320 B	04/08/04	1718	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1718	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1718	RM
Chloride	3.2	mg/L	0.09	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/08/04	1718	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/12/04	1229	JF
Sulfate	220	mg/L	4.59	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Cations									
Calcium	92.5	mg/L	4.61	meq/L	1.0	EPA 200.7	04/10/04	0736	MH
Magnesium	5.4	mg/L	0.45	meq/L	1.0	EPA 200.7	04/10/04	0736	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	04/10/04	0736	MH
Sodium	62.5	mg/L	2.72	meq/L	0.2	EPA 200.7	04/10/04	0736	MH
Cations			7.78	meq/L	N/A	SM 1030 F.	04/10/04	0736	
Anions			7.65	meq/L	N/A	SM 1030 F.	04/12/04	1229	
Cation/Anion Balance			0.84	%	N/A	SM 1030 F.	04/10/04	0736	

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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2U52-1
Lab ID: 0104W04769
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/10/04	0736	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1147	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/08/04	1147	MS
Boron	0.07	mg/L		0.01	EPA 200.7	04/10/04	0736	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/08/04	1147	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0736	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/08/04	1147	MS
Iron	0.50	mg/L		0.05	EPA 200.7	04/10/04	0736	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1147	MS
Manganese	1.79	mg/L		0.02	EPA 200.7	04/10/04	0736	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1147	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0736	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1147	MS
Uranium	0.0151	mg/L		0.0001	EPA 200.8	04/08/04	1147	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/08/04	1147	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0736	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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2X54-1
Lab ID: 0104W04770
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.7	s.u.			0.1	EPA 150.1	04/08/04	1728	RM
Lab Conductivity @ 25°C	763	µmhos/cm			5	SM 2510 B	04/08/04	1728	RM
Total Dissolved Solids @ 180°C	560	mg/L			10	SM 2540 C	04/13/04	1500	RM
Total Dissolved Solids(Calc)	510	mg/L			10	SM 1030 F.	04/12/04	1231	
Total Alkalinity as CaCO3	247	mg/L			1.0	SM 2320 B	04/08/04	1728	RM
Total Hardness as CaCO3	223	mg/L			1.0	SM 2340 B	04/10/04	0739	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	04/08/04	1617	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	04/08/04	1320	JF
Radium 226	454±13	pCi/L			0.2	SM 7500 Ra-B	04/24/04	1119	TP
Silica as SiO2	9.0	mg/L			0.1	EPA 200.7	04/10/04	0739	MH
Sodium Adsorption Ratio	3.0				N/A	Calculations	04/10/04	0739	
Anions									
Bicarbonate as HCO3	301	mg/L	4.93	meq/L	1.0	SM 2320 B	04/08/04	1728	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1728	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1728	RM
Chloride	7.3	mg/L	0.21	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/08/04	1728	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/12/04	1231	JF
Sulfate	169	mg/L	3.53	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Cations									
Calcium	75.6	mg/L	3.77	meq/L	1.0	EPA 200.7	04/10/04	0739	MH
Magnesium	8.4	mg/L	0.69	meq/L	1.0	EPA 200.7	04/10/04	0739	MH
Potassium	1.4	mg/L	0.03	meq/L	1.0	EPA 200.7	04/10/04	0739	MH
Sodium	103	mg/L	4.46	meq/L	0.2	EPA 200.7	04/10/04	0739	MH
Cations			8.95	meq/L	N/A	SM 1030 F.	04/10/04	0739	
Anions			8.67	meq/L	N/A	SM 1030 F.	04/12/04	1231	
Cation/Anion Balance			1.59	%	N/A	SM 1030 F.	04/10/04	0739	

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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2X54-1
Lab ID: 0104W04770
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/10/04	0739	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1150	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/08/04	1150	MS
Boron	0.07	mg/L		0.01	EPA 200.7	04/10/04	0739	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/08/04	1150	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0739	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/08/04	1150	MS
Iron	0.84	mg/L		0.05	EPA 200.7	04/10/04	0739	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1150	MS
Manganese	0.26	mg/L		0.02	EPA 200.7	04/10/04	0739	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1150	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0739	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1150	MS
Uranium	0.237	mg/L		0.0001	EPA 200.8	04/08/04	1150	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/08/04	1150	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0739	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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2T46-1
Lab ID: 0104W04771
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.8	s.u.			0.1	EPA 150.1	04/08/04	1740	RM
Lab Conductivity @ 25°C	564	µmhos/cm			5	SM 2510 B	04/08/04	1740	RM
Total Dissolved Solids @ 180°C	390	mg/L			10	SM 2540 C	04/13/04	1500	RM
Total Dissolved Solids(Calc)	360	mg/L			10	SM 1030 F.	04/12/04	1232	
Total Alkalinity as CaCO3	205	mg/L			1.0	SM 2320 B	04/08/04	1740	RM
Total Hardness as CaCO3	201	mg/L			1.0	SM 2340 B	04/10/04	0742	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	04/08/04	1618	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	04/08/04	1320	JF
Radium 226	248±10	pCi/L			0.2	SM 7500 Ra-B	04/24/04	1119	TP
Silica as SiO2	4.7	mg/L			0.1	EPA 200.7	04/10/04	0742	MH
Sodium Adsorption Ratio	1.7				N/A	Calculations	04/10/04	0742	
Anions									
Bicarbonate as HCO3	250	mg/L	4.10	meq/L	1.0	SM 2320 B	04/08/04	1740	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1740	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1740	RM
Chloride	2.7	mg/L	0.08	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/08/04	1740	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/12/04	1232	JF
Sulfate	101	mg/L	2.10	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Cations									
Calcium	65.9	mg/L	3.29	meq/L	1.0	EPA 200.7	04/10/04	0742	MH
Magnesium	8.8	mg/L	0.72	meq/L	1.0	EPA 200.7	04/10/04	0742	MH
Potassium	1.2	mg/L	0.03	meq/L	1.0	EPA 200.7	04/10/04	0742	MH
Sodium	56.3	mg/L	2.45	meq/L	0.2	EPA 200.7	04/10/04	0742	MH
Cations			6.49	meq/L	N/A	SM 1030 F.	04/10/04	0742	
Anions			6.28	meq/L	N/A	SM 1030 F.	04/12/04	1232	
Cation/Anion Balance			1.64	%	N/A	SM 1030 F.	04/10/04	0742	

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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2T46-1
Lab ID: 0104W04771
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/10/04	0742	MH
Arsenic	0.007	mg/L		0.005	EPA 200.8	04/08/04	1152	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/08/04	1152	MS
Boron	0.06	mg/L		0.01	EPA 200.7	04/10/04	0742	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/08/04	1152	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0742	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/08/04	1152	MS
Iron	0.91	mg/L		0.05	EPA 200.7	04/10/04	0742	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1152	MS
Manganese	0.18	mg/L		0.02	EPA 200.7	04/10/04	0742	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1152	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0742	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1152	MS
Uranium	0.131	mg/L		0.0001	EPA 200.8	04/08/04	1152	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/08/04	1152	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0742	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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2S100-2
Lab ID: 0104W04772
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.7	s.u.			0.1	EPA 150.1	04/08/04	1752	RM
Lab Conductivity @ 25°C	1,020	µmhos/cm			5	SM 2510 B	04/08/04	1752	RM
Total Dissolved Solids @ 180°C	700	mg/L			10	SM 2540 C	04/13/04	1500	RM
Total Dissolved Solids(Calc)	660	mg/L			10	SM 1030 F.	04/12/04	1233	
Total Alkalinity as CaCO3	363	mg/L			1.0	SM 2320 B	04/08/04	1752	RM
Total Hardness as CaCO3	158	mg/L			1.0	SM 2340 B	04/10/04	0748	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	04/08/04	1619	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	04/08/04	1320	JF
Radium 226	524±14	pCi/L			0.2	SM 7500 Ra-B	04/24/04	1119	TP
Silica as SiO2	3.4	mg/L			0.1	EPA 200.7	04/10/04	0748	MH
Sodium Adsorption Ratio	6.6				N/A	Calculations	04/10/04	0748	
Anions									
Bicarbonate as HCO3	443	mg/L	7.26	meq/L	1.0	SM 2320 B	04/08/04	1752	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1752	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1752	RM
Chloride	11.5	mg/L	0.32	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/08/04	1752	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/12/04	1233	JF
Sulfate	177	mg/L	3.69	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Cations									
Calcium	51.0	mg/L	2.54	meq/L	1.0	EPA 200.7	04/10/04	0748	MH
Magnesium	7.5	mg/L	0.62	meq/L	1.0	EPA 200.7	04/10/04	0748	MH
Potassium	2.1	mg/L	0.05	meq/L	1.0	EPA 200.7	04/10/04	0748	MH
Sodium	192	mg/L	8.35	meq/L	0.2	EPA 200.7	04/10/04	0748	MH
Cations			11.56	meq/L	N/A	SM 1030 F.	04/10/04	0748	
Anions			11.27	meq/L	N/A	SM 1030 F.	04/12/04	1233	
Cation/Anion Balance			1.27	%	N/A	SM 1030 F.	04/10/04	0748	

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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2S100-2
Lab ID: 0104W04772
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/10/04	0748	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1158	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/08/04	1158	MS
Boron	0.07	mg/L		0.01	EPA 200.7	04/10/04	0748	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/08/04	1158	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0748	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/08/04	1158	MS
Iron	0.78	mg/L		0.05	EPA 200.7	04/10/04	0748	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1158	MS
Manganese	0.34	mg/L		0.02	EPA 200.7	04/10/04	0748	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1158	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0748	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1158	MS
Uranium	2.21	mg/L		0.0001	EPA 200.8	04/08/04	1158	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/08/04	1158	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0748	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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2T92-2
Lab ID: 0104W04773
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.8	s.u.			0.1	EPA 150.1	04/08/04	1803	RM
Lab Conductivity @ 25°C	945	µmhos/cm			5	SM 2510 B	04/08/04	1803	RM
Total Dissolved Solids @ 180°C	660	mg/L			10	SM 2540 C	04/13/04	1500	RM
Total Dissolved Solids(Calc)	610	mg/L			10	SM 1030 F.	04/12/04	1234	
Total Alkalinity as CaCO3	376	mg/L			1.0	SM 2320 B	04/08/04	1803	RM
Total Hardness as CaCO3	310	mg/L			1.0	SM 2340 B	04/10/04	0752	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	04/08/04	1620	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	04/08/04	1320	JF
Radium 226	120±7.2	pCi/L			0.2	SM 7500 Ra-B	04/24/04	1119	TP
Silica as SiO2	3.0	mg/L			0.1	EPA 200.7	04/10/04	0752	MH
Sodium Adsorption Ratio	2.6				N/A	Calculations	04/10/04	0752	
Anions									
Bicarbonate as HCO3	459	mg/L	7.52	meq/L	1.0	SM 2320 B	04/08/04	1803	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1803	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1803	RM
Chloride	13.8	mg/L	0.39	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/08/04	1803	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/12/04	1234	JF
Sulfate	141	mg/L	2.94	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Cations									
Calcium	107	mg/L	5.36	meq/L	1.0	EPA 200.7	04/10/04	0752	MH
Magnesium	10.2	mg/L	0.84	meq/L	1.0	EPA 200.7	04/10/04	0752	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	04/10/04	0752	MH
Sodium	106	mg/L	4.62	meq/L	0.2	EPA 200.7	04/10/04	0752	MH
Cations			10.82	meq/L	N/A	SM 1030 F.	04/10/04	0752	
Anions			10.85	meq/L	N/A	SM 1030 F.	04/12/04	1234	
Cation/Anion Balance			0.14	%	N/A	SM 1030 F.	04/10/04	0752	

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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2T92-2
Lab ID: 0104W04773
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/10/04	0752	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1200	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/08/04	1200	MS
Boron	0.06	mg/L		0.01	EPA 200.7	04/10/04	0752	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/08/04	1200	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0752	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/08/04	1200	MS
Iron	0.06	mg/L		0.05	EPA 200.7	04/10/04	0752	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1200	MS
Manganese	0.16	mg/L		0.02	EPA 200.7	04/10/04	0752	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1200	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0752	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1200	MS
Uranium	0.631	mg/L		0.0001	EPA 200.8	04/08/04	1200	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/08/04	1200	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0752	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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2T105-2
Lab ID: 0104W04774
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.1	s.u.			0.1	EPA 150.1	04/08/04	1827	RM
Lab Conductivity @ 25°C	325	µmhos/cm			5	SM 2510 B	04/08/04	1827	RM
Total Dissolved Solids @ 180°C	230	mg/L			10	SM 2540 C	04/13/04	1500	RM
Total Dissolved Solids(Calc)	200	mg/L			10	SM 1030 F.	04/12/04	1241	
Total Alkalinity as CaCO3	71.0	mg/L			1.0	SM 2320 B	04/08/04	1827	RM
Total Hardness as CaCO3	40.0	mg/L			1.0	SM 2340 B	04/10/04	0758	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	04/08/04	1622	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	04/08/04	1320	JF
Radium 226	169±8.1	pCi/L			0.2	SM 7500 Ra-B	04/24/04	1119	TP
Silica as SiO2	7.0	mg/L			0.1	EPA 200.7	04/10/04	0758	MH
Sodium Adsorption Ratio	3.8				N/A	Calculations	04/10/04	0758	
Anions									
Bicarbonate as HCO3	86.6	mg/L	1.42	meq/L	1.0	SM 2320 B	04/08/04	1827	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1827	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1827	RM
Chloride	2.1	mg/L	0.06	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/08/04	1827	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/12/04	1241	JF
Sulfate	82.8	mg/L	1.72	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Cations									
Calcium	12.0	mg/L	0.60	meq/L	1.0	EPA 200.7	04/10/04	0758	MH
Magnesium	2.4	mg/L	0.20	meq/L	1.0	EPA 200.7	04/10/04	0758	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	04/10/04	0758	MH
Sodium	55.5	mg/L	2.42	meq/L	0.2	EPA 200.7	04/10/04	0758	MH
Cations			3.22	meq/L	N/A	SM 1030 F.	04/10/04	0758	
Anions			3.20	meq/L	N/A	SM 1030 F.	04/12/04	1241	
Cation/Anion Balance			0.31	%	N/A	SM 1030 F.	04/10/04	0758	

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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2T105-2
Lab ID: 0104W04774
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/10/04	0758	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1213	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/08/04	1213	MS
Boron	0.06	mg/L		0.01	EPA 200.7	04/10/04	0758	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/08/04	1213	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0758	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/08/04	1213	MS
Iron	1.82	mg/L		0.05	EPA 200.7	04/10/04	0758	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1213	MS
Manganese	0.09	mg/L		0.02	EPA 200.7	04/10/04	0758	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1213	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0758	MH
Selenium	0.008	mg/L		0.005	EPA 200.8	04/08/04	1213	MS
Uranium	0.0481	mg/L		0.0001	EPA 200.8	04/08/04	1213	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/08/04	1213	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0758	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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2V76-1
Lab ID: 0104W04775
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.6	s.u.			0.1	EPA 150.1	04/08/04	1837	RM
Lab Conductivity @ 25°C	661	µmhos/cm			5	SM 2510 B	04/08/04	1837	RM
Total Dissolved Solids @ 180°C	450	mg/L			10	SM 2540 C	04/13/04	1500	RM
Total Dissolved Solids(Calc)	440	mg/L			10	SM 1030 F.	04/12/04	1242	
Total Alkalinity as CaCO3	105	mg/L			1.0	SM 2320 B	04/08/04	1837	RM
Total Hardness as CaCO3	23.0	mg/L			1.0	SM 2340 B	04/10/04	0801	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	04/08/04	1623	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	04/08/04	1320	JF
Radium 226	15.0±2.4	pCi/L			0.2	SM 7500 Ra-B	04/24/04	1119	TP
Silica as SiO2	3.8	mg/L			0.1	EPA 200.7	04/10/04	0801	MH
Sodium Adsorption Ratio	13.2				N/A	Calculations	04/10/04	0801	
Anions									
Bicarbonate as HCO3	114	mg/L	1.86	meq/L	1.0	SM 2320 B	04/08/04	1837	RM
Carbonate as CO3	7.2	mg/L	0.24	meq/L	1.0	SM 2320 B	04/08/04	1837	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1837	RM
Chloride	8.1	mg/L	0.23	meq/L	1.0	EPA 300.0	04/19/04	1722	LK
Fluoride	0.2	mg/L	0.01	meq/L	0.1	SM 4500-F-C	04/08/04	1837	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/12/04	1242	JF
Sulfate	215	mg/L	4.47	meq/L	1.0	EPA 300.0	04/19/04	1722	LK
Cations									
Calcium	7.6	mg/L	0.38	meq/L	1.0	EPA 200.7	04/10/04	0801	MH
Magnesium	1.0	mg/L	0.08	meq/L	1.0	EPA 200.7	04/10/04	0801	MH
Potassium	2.2	mg/L	0.06	meq/L	1.0	EPA 200.7	04/10/04	0801	MH
Sodium	146	mg/L	6.34	meq/L	0.2	EPA 200.7	04/10/04	0801	MH
Cations			6.86	meq/L	N/A	SM 1030 F.	04/10/04	0801	
Anions			6.81	meq/L	N/A	SM 1030 F.	04/12/04	1242	
Cation/Anion Balance			0.37	%	N/A	SM 1030 F.	04/10/04	0801	

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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2V76-1
Lab ID: 0104W04775
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/10/04	0801	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1216	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/08/04	1216	MS
Boron	0.04	mg/L		0.01	EPA 200.7	04/10/04	0801	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/08/04	1216	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0801	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/08/04	1216	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	04/10/04	0801	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1216	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	04/10/04	0801	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1216	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0801	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1216	MS
Uranium	0.0075	mg/L		0.0001	EPA 200.8	04/08/04	1216	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/08/04	1216	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0801	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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2S88-1
Lab ID: 0104W04776
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.8	s.u.			0.1	EPA 150.1	04/08/04	1848	RM
Lab Conductivity @ 25°C	876	µmhos/cm			5	SM 2510 B	04/08/04	1848	RM
Total Dissolved Solids @ 180°C	670	mg/L			10	SM 2540 C	04/13/04	1500	RM
Total Dissolved Solids(Calc)	600	mg/L			10	SM 1030 F.	04/12/04	1244	
Total Alkalinity as CaCO3	204	mg/L			1.0	SM 2320 B	04/08/04	1848	RM
Total Hardness as CaCO3	363	mg/L			1.0	SM 2340 B	04/10/04	0813	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	04/08/04	1624	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	04/08/04	1320	JF
Radium 226	721±17	pCi/L			0.2	SM 7500 Ra-B	04/24/04	1119	TP
Silica as SiO2	2.8	mg/L			0.1	EPA 200.7	04/10/04	0813	MH
Sodium Adsorption Ratio	1.5				N/A	Calculations	04/10/04	0813	
Anions									
Bicarbonate as HCO3	248	mg/L	4.07	meq/L	1.0	SM 2320 B	04/08/04	1848	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1848	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1848	RM
Chloride	4.3	mg/L	0.12	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/08/04	1848	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/12/04	1244	JF
Sulfate	267	mg/L	5.57	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Cations									
Calcium	132	mg/L	6.57	meq/L	1.0	EPA 200.7	04/10/04	0813	MH
Magnesium	8.2	mg/L	0.68	meq/L	1.0	EPA 200.7	04/10/04	0813	MH
Potassium	1.2	mg/L	0.03	meq/L	1.0	EPA 200.7	04/10/04	0813	MH
Sodium	64.3	mg/L	2.80	meq/L	0.2	EPA 200.7	04/10/04	0813	MH
Cations			10.08	meq/L	N/A	SM 1030 F.	04/10/04	0813	
Anions			9.76	meq/L	N/A	SM 1030 F.	04/12/04	1244	
Cation/Anion Balance			1.61	%	N/A	SM 1030 F.	04/10/04	0813	

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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2S88-1
Lab ID: 0104W04776
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/10/04	0813	MH
Arsenic	0.031	mg/L		0.005	EPA 200.8	04/08/04	1219	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/08/04	1219	MS
Boron	0.07	mg/L		0.01	EPA 200.7	04/10/04	0813	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/08/04	1219	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0813	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/08/04	1219	MS
Iron	2.24	mg/L		0.05	EPA 200.7	04/10/04	0813	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1219	MS
Manganese	0.60	mg/L		0.02	EPA 200.7	04/10/04	0813	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1219	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0813	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1219	MS
Uranium	0.243	mg/L		0.0001	EPA 200.8	04/08/04	1219	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/08/04	1219	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/10/04	0813	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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2R115-1
Lab ID: 0104W04777
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.7	s.u.			0.1	EPA 150.1	04/08/04	1900	RM
Lab Conductivity @ 25°C	947	µmhos/cm			5	SM 2510 B	04/08/04	1900	RM
Total Dissolved Solids @ 180°C	670	mg/L			10	SM 2540 C	04/13/04	1500	RM
Total Dissolved Solids(Calc)	620	mg/L			10	SM 1030 F.	04/12/04	1245	
Total Alkalinity as CaCO3	293	mg/L			1.0	SM 2320 B	04/08/04	1900	RM
Total Hardness as CaCO3	238	mg/L			1.0	SM 2340 B	04/09/04	0720	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	04/08/04	1625	JF
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	04/08/04	1320	JF
Radium 226	132±7.3	pCi/L			0.2	SM 7500 Ra-B	04/24/04	1119	TP
Silica as SiO2	3.0	mg/L			0.1	EPA 200.7	04/09/04	0720	MH
Sodium Adsorption Ratio	3.9				N/A	Calculations	04/09/04	0720	
Anions									
Bicarbonate as HCO3	358	mg/L	5.86	meq/L	1.0	SM 2320 B	04/08/04	1900	RM
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1900	RM
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	04/08/04	1900	RM
Chloride	13.3	mg/L	0.38	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	04/08/04	1900	RM
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	04/12/04	1245	JF
Sulfate	204	mg/L	4.26	meq/L	1.0	EPA 300.0	04/08/04	1722	LK
Cations									
Calcium	83.7	mg/L	4.18	meq/L	1.0	EPA 200.7	04/09/04	0720	MH
Magnesium	7.0	mg/L	0.57	meq/L	1.0	EPA 200.7	04/09/04	0720	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	04/09/04	0720	MH
Sodium	139	mg/L	6.04	meq/L	0.2	EPA 200.7	04/09/04	0720	MH
Cations			10.79	meq/L	N/A	SM 1030 F.	04/09/04	0720	
Anions			10.50	meq/L	N/A	SM 1030 F.	04/12/04	1245	
Cation/Anion Balance			1.36	%	N/A	SM 1030 F.	04/09/04	0720	

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: 010404766

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 2R115-1
Lab ID: 0104W04777
Matrix: Water
Condition: Cool/Intact

Date Received: 04/07/04
Date Reported: 04/26/04
Date Sampled: 04/07/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	04/09/04	0720	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1221	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	04/08/04	1221	MS
Boron	0.04	mg/L		0.01	EPA 200.7	04/09/04	0720	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	04/08/04	1221	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	04/09/04	0720	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	04/08/04	1221	MS
Iron	0.38	mg/L		0.05	EPA 200.7	04/09/04	0720	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1221	MS
Manganese	0.13	mg/L		0.02	EPA 200.7	04/09/04	0720	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	04/14/04	1039	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	04/08/04	1221	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	04/09/04	0720	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	04/08/04	1221	MS
Uranium	0.0672	mg/L		0.0001	EPA 200.8	04/08/04	1221	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	04/08/04	1221	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	04/09/04	0720	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: 2T92-2
Lab ID: 0104W04773
Matrix: Water
Condition: Cool/Intact

Report Date: 04/26/04
Receipt Date: 04/07/04
Sample Date: 04/07/04

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	945	940	1	5	µmhos/cm
Total Dissolved Solids @ 180°C	660	660	0	10	mg/L
Total Dissolved Solids(Calc)	610	610	0	10	mg/L
Total Alkalinity as CaCO3	376	377	0	1.0	mg/L
Total Hardness as CaCO3	310	316	2	1.0	mg/L
Ammonia Nitrogen	<0.1	<0.1	NC*	0.1	mg/L
Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Silica as SiO2	3.0	3.0	0	0.1	mg/L
Sodium Adsorption Ratio	2.6	2.6	0		
Anions					
Bicarbonate as HCO3	459	460	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	13.8	13.7	1	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	141	142	1	1.0	mg/L
Cations					
Calcium	107	110	3	1.0	mg/L
Magnesium	10.2	10.3	1	1.0	mg/L
Potassium	<1.0	<1.0	NC*	1.0	mg/L
Sodium	106	107	1	0.2	mg/L
Cations	10.82	10.98	1		meq/L
Anions	10.85	10.88	0		meq/L
Cation/Anion Balance	0.14	0.46			%

*NC - Non-Calculable RPD due to value(s) less than DL

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: 2T92-2
Lab ID: 0104W04773
Matrix: Water
Condition: Cool/Intact

Report Date: 04/26/04
Receipt Date: 04/07/04
Sample Date: 04/07/04

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	0.06	0.06	0.00**	0.05	mg/L
Lead	<0.02	<0.02	NC*	0.02	mg/L
Manganese	0.16	0.17	6	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	0.631	0.557	12	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

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 7-19-04 Received by [illegible] Date 7-19 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 unit 8 & Mod 33)

*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	2AD26-1	7-19-04	Half Gal.	X		X		
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	3U45-1		**	**	**	**	**	
3	3T37-1		**	**	**	**	**	
4	3W87-1		**	**	**	**	**	
5	3V52-2		**	**	**	**	**	
6	3T47-2		**	**	**	**	**	
7	3V58-2		**	**	**	**	**	
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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 8/4/2004
Report ID: S0407025001

Project: Cogema Christensen Mine
Lab ID: S0407025-001
Client Sample ID 2AD26-1
Matrix: Water

Work Order: S0407025
Collection Date: 7/19/2004
Date Received: 7/19/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.51	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Chloride	0.29	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Fluoride	ND	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Sulfate	5.44	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Calcium	4.29	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Magnesium	1.00	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Potassium	0.04	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Sodium	5.40	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	10.74	0		meq/L	08/04/2004 1114 JG	SM 1030F
Anion Sum	10.26	0		meq/L	08/04/2004 1114 JG	SM 1030F
Cation-Anion Balance	2.26	0		%	08/04/2004 1114 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	07/21/2004 921 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	07/21/2004 1036 MS	EPA 200.8
Barium	ND	0.5		mg/L	07/21/2004 1036 MS	EPA 200.8
Boron	0.09	0.01		mg/L	07/21/2004 921 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	07/21/2004 1036 MS	EPA 200.8
Chromium	ND	0.01		mg/L	07/21/2004 921 MH	EPA 200.7
Copper	ND	0.01		mg/L	07/21/2004 1036 MS	EPA 200.8
Iron	2.37	0.05		mg/L	07/21/2004 921 MH	EPA 200.7
Lead	ND	0.02		mg/L	07/21/2004 1036 MS	EPA 200.8
Manganese	0.82	0.02		mg/L	07/21/2004 921 MH	EPA 200.7
Mercury	ND	0.001		mg/L	07/23/2004 958 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	07/21/2004 1036 MS	EPA 200.8
Nickel	ND	0.01		mg/L	07/21/2004 921 MH	EPA 200.7
Selenium	ND	0.005		mg/L	07/21/2004 1036 MS	EPA 200.8
Uranium	0.280	0.0001		mg/L	07/21/2004 1036 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	07/21/2004 1036 MS	EPA 200.8
Zinc	ND	0.01		mg/L	07/21/2004 921 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 Daute

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 7-15-04 Received by Jon Gross Date 7-15 17:12

Restoration Sample Description

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

Restoration Phase:
___ Groundwater Sweep (explain ____)
___ Reverse Osmosis Filtration (explain ____)
___ Recirculation (explain ____)
X Stabilization (explain Unit 2 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	2AI30-1	7-15-04	Half Gal.	X		X		
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	2AF34-1		**	**	**	**	**	
3	2AD29-1		**	**	**	**	**	
4	2AE16-1		**	**	**	**	**	
5	2AB31-1		**	**	**	**	**	
6	2AG26-1		**	**	**	**	**	
7	2X54-1		**	**	**	**	**	
8	2V76-1		**	**	**	**	**	
9	2Z35-1		**	**	**	**	**	
10	2T105-2		**	**	**	**	**	
11	2T92-2		**	**	**	**	**	
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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-001
Client Sample ID 2AI30-1
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	07/19/2004 1639 JG	EPA 150.1
Electrical Conductivity	685	5		µmhos/cm	07/19/2004 1639 JG	SM 2510B
Total Dissolved Solids (180)	470	10		mg/L	07/19/2004 1150 KA	SM 2540
Solids, Total Dissolved (Calc)	420	10		mg/L	08/02/2004 1144 JG	SM 1030F
Acidity	ND	5		mg/L	07/21/2004 1134 JG	SM 2310B
Alkalinity, Total (As CaCO3)	194	5		mg/L	07/19/2004 1639 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	217	1		mg/L	08/02/2004 1144 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	07/26/2004 1043 KB	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	07/16/2004 1554 RM	EPA 353.2
Silica as SiO2	8.7	0.1		mg/L	07/20/2004 957 MH	EPA 200.7
Radium 226	535±16	0.2		pCi/L	07/22/2004 1647 JN	SM 7500
Sodium Adsorption Ratio	2.0	0.1			08/02/2004 1144 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	237	5		mg/L	07/19/2004 1639 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	07/19/2004 1639 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	07/19/2004 1639 JG	SM 2320B
Chloride	2	1		mg/L	07/19/2004 1901 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	07/19/2004 1639 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	07/21/2004 955 KB	EPA 353.2
Sulfate	154	1		mg/L	07/19/2004 1901 LK	EPA 300.0
Cations						
Calcium	78	1		mg/L	07/20/2004 957 MH	EPA 200.7
Magnesium	6	1		mg/L	07/20/2004 957 MH	EPA 200.7
Potassium	1	1		mg/L	07/20/2004 957 MH	EPA 200.7
Sodium	67	1		mg/L	07/20/2004 957 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 Barte

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-001
Client Sample ID 2AI30-1
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.87	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Chloride	0.06	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Fluoride	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sulfate	3.20	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Calcium	3.87	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Magnesium	0.45	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Potassium	0.02	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sodium	2.90	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	7.26	0		meq/L	08/02/2004 1144 JG	SM 1030F
Anion Sum	7.14	0		meq/L	08/02/2004 1144 JG	SM 1030F
Cation-Anion Balance	0.79	0		%	08/02/2004 1144 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	07/20/2004 957 MH	EPA 200.7
Arsenic	0.018	0.005		mg/L	07/19/2004 1149 MS	EPA 200.8
Barium	ND	0.5		mg/L	07/19/2004 1149 MS	EPA 200.8
Boron	0.06	0.01		mg/L	07/20/2004 957 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	07/19/2004 1149 MS	EPA 200.8
Chromium	ND	0.01		mg/L	07/20/2004 957 MH	EPA 200.7
Copper	ND	0.01		mg/L	07/19/2004 1149 MS	EPA 200.8
Iron	0.69	0.05		mg/L	07/20/2004 957 MH	EPA 200.7
Lead	ND	0.02		mg/L	07/19/2004 1149 MS	EPA 200.8
Manganese	1.33	0.02		mg/L	07/20/2004 957 MH	EPA 200.7
Mercury	ND	0.001		mg/L	07/20/2004 1021 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	07/19/2004 1149 MS	EPA 200.8
Nickel	ND	0.01		mg/L	07/20/2004 957 MH	EPA 200.7
Selenium	0.012	0.005		mg/L	07/19/2004 1149 MS	EPA 200.8
Uranium	0.113	0.0001		mg/L	07/19/2004 1149 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	07/19/2004 1149 MS	EPA 200.8
Zinc	ND	0.01		mg/L	07/20/2004 957 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 Baute

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-002
Client Sample ID 2AF34-1
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	07/19/2004 1651 JG	EPA 150.1
Electrical Conductivity	749	5		µmhos/cm	07/19/2004 1651 JG	SM 2510B
Total Dissolved Solids (180)	520	10		mg/L	07/19/2004 1200 KA	SM 2540
Solids, Total Dissolved (Calc)	470	10		mg/L	08/02/2004 1144 JG	SM 1030F
Acidity	ND	5		mg/L	07/21/2004 1144 JG	SM 2310B
Alkalinity, Total (As CaCO3)	124	5		mg/L	07/19/2004 1651 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	155	1		mg/L	08/02/2004 1144 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	07/26/2004 1044 KB	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	07/16/2004 1555 RM	EPA 353.2
Silica as SiO2	14	0.1		mg/L	07/20/2004 1000 MH	EPA 200.7
Radium 226	489±15	0.2		pCi/L	07/22/2004 1647 JN	SM 7500
Sodium Adsorption Ratio	3.6	0.1			08/02/2004 1144 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	152	5		mg/L	07/19/2004 1651 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	07/19/2004 1651 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	07/19/2004 1651 JG	SM 2320B
Chloride	5	1		mg/L	07/19/2004 1913 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	07/19/2004 1651 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	07/21/2004 956 KB	EPA 353.2
Sulfate	226	1		mg/L	07/19/2004 1913 LK	EPA 300.0
Cations						
Calcium	51	1		mg/L	07/20/2004 1000 MH	EPA 200.7
Magnesium	7	1		mg/L	07/20/2004 1000 MH	EPA 200.7
Potassium	1	1		mg/L	07/20/2004 1000 MH	EPA 200.7
Sodium	103	1		mg/L	07/20/2004 1000 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 Dale

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-002
Client Sample ID 2AF34-1
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.48	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Chloride	0.14	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Fluoride	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sulfate	4.70	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Calcium	2.54	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Magnesium	0.55	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Potassium	0.03	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sodium	4.47	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	7.60	0		meq/L	08/02/2004 1144 JG	SM 1030F
Anion Sum	7.34	0		meq/L	08/02/2004 1144 JG	SM 1030F
Cation-Anion Balance	1.78	0		%	08/02/2004 1144 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	07/20/2004 1000 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	07/19/2004 1151 MS	EPA 200.8
Barium	ND	0.5		mg/L	07/19/2004 1151 MS	EPA 200.8
Boron	0.06	0.01		mg/L	07/20/2004 1000 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	07/19/2004 1151 MS	EPA 200.8
Chromium	ND	0.01		mg/L	07/20/2004 1000 MH	EPA 200.7
Copper	ND	0.01		mg/L	07/19/2004 1151 MS	EPA 200.8
Iron	2.43	0.05		mg/L	07/20/2004 1000 MH	EPA 200.7
Lead	ND	0.02		mg/L	07/19/2004 1151 MS	EPA 200.8
Manganese	0.57	0.02		mg/L	07/20/2004 1000 MH	EPA 200.7
Mercury	ND	0.001		mg/L	07/20/2004 1022 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	07/19/2004 1151 MS	EPA 200.8
Nickel	ND	0.01		mg/L	07/20/2004 1000 MH	EPA 200.7
Selenium	ND	0.005		mg/L	07/19/2004 1151 MS	EPA 200.8
Uranium	0.101	0.0001		mg/L	07/19/2004 1151 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	07/19/2004 1151 MS	EPA 200.8
Zinc	ND	0.01		mg/L	07/20/2004 1000 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

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-003
Client Sample ID 2AD29-1
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	07/19/2004 1703 JG	EPA 150.1
Electrical Conductivity	1030	5		µmhos/cm	07/19/2004 1703 JG	SM 2510B
Total Dissolved Solids (180)	680	10		mg/L	07/19/2004 1210 KA	SM 2540
Solids, Total Dissolved (Calc)	640	10		mg/L	08/02/2004 1144 JG	SM 1030F
Acidity	ND	5		mg/L	07/21/2004 1154 JG	SM 2310B
Alkalinity, Total (As CaCO3)	297	5		mg/L	07/19/2004 1703 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	168	1		mg/L	08/02/2004 1144 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	07/26/2004 1045 KB	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	07/16/2004 1556 RM	EPA 353.2
Silica as SiO2	13	0.1		mg/L	07/20/2004 1004 MH	EPA 200.7
Radium 226	313±12	0.2		pCi/L	07/22/2004 1647 JN	SM 7500
Sodium Adsorption Ratio	6.1	0.1			08/02/2004 1144 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	362	5		mg/L	07/19/2004 1703 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	07/19/2004 1703 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	07/19/2004 1703 JG	SM 2320B
Chloride	19	1		mg/L	07/19/2004 1926 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	07/19/2004 1703 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	07/21/2004 957 KB	EPA 353.2
Sulfate	201	1		mg/L	07/19/2004 1926 LK	EPA 300.0
Cations						
Calcium	48	1		mg/L	07/20/2004 1004 MH	EPA 200.7
Magnesium	12	1		mg/L	07/20/2004 1004 MH	EPA 200.7
Potassium	2	1		mg/L	07/20/2004 1004 MH	EPA 200.7
Sodium	181	1		mg/L	07/20/2004 1004 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 A Baste

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-003
Client Sample ID 2AD29-1
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	5.93	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Chloride	0.52	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Fluoride	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sulfate	4.18	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Calcium	2.37	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Magnesium	0.98	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Potassium	0.05	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sodium	7.87	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	11.28	0		meq/L	08/02/2004 1144 JG	SM 1030F
Anion Sum	10.64	0		meq/L	08/02/2004 1144 JG	SM 1030F
Cation-Anion Balance	2.88	0		%	08/02/2004 1144 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	07/20/2004 1004 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	07/19/2004 1154 MS	EPA 200.8
Barium	ND	0.5		mg/L	07/19/2004 1154 MS	EPA 200.8
Boron	0.07	0.01		mg/L	07/20/2004 1004 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	07/19/2004 1154 MS	EPA 200.8
Chromium	ND	0.01		mg/L	07/20/2004 1004 MH	EPA 200.7
Copper	ND	0.01		mg/L	07/19/2004 1154 MS	EPA 200.8
Iron	2.04	0.05		mg/L	07/20/2004 1004 MH	EPA 200.7
Lead	ND	0.02		mg/L	07/19/2004 1154 MS	EPA 200.8
Manganese	0.27	0.02		mg/L	07/20/2004 1004 MH	EPA 200.7
Mercury	ND	0.001		mg/L	07/20/2004 1024 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	07/19/2004 1154 MS	EPA 200.8
Nickel	ND	0.01		mg/L	07/20/2004 1004 MH	EPA 200.7
Selenium	0.015	0.005		mg/L	07/19/2004 1154 MS	EPA 200.8
Uranium	0.0475	0.0001		mg/L	07/19/2004 1154 MS	EPA 200.8
Vanadium	0.02	0.02		mg/L	07/19/2004 1154 MS	EPA 200.8
Zinc	ND	0.01		mg/L	07/20/2004 1004 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 Asante

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-004
Client Sample ID 2AE16-1
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	07/19/2004 1715 JG	EPA 150.1
Electrical Conductivity	786	5		µmhos/cm	07/19/2004 1715 JG	SM 2510B
Total Dissolved Solids (180)	540	10		mg/L	07/19/2004 1220 KA	SM 2540
Solids, Total Dissolved (Calc)	480	10		mg/L	08/02/2004 1144 JG	SM 1030F
Acidity	ND	5		mg/L	07/21/2004 1204 JG	SM 2310B
Alkalinity, Total (As CaCO3)	182	5		mg/L	07/19/2004 1715 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	236	1		mg/L	08/02/2004 1144 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	07/26/2004 1046 KB	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	07/16/2004 1557 RM	EPA 353.2
Silica as SiO2	11	0.1		mg/L	07/20/2004 1023 MH	EPA 200.7
Radium 226	339±13	0.2		pCi/L	07/22/2004 1647 JN	SM 7500
Sodium Adsorption Ratio	2.1	0.1			08/02/2004 1144 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	222	5		mg/L	07/19/2004 1715 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	07/19/2004 1715 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	07/19/2004 1715 JG	SM 2320B
Chloride	6	1		mg/L	07/19/2004 2039 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	07/19/2004 1715 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	07/21/2004 1004 KB	EPA 353.2
Sulfate	197	1		mg/L	07/19/2004 2039 LK	EPA 300.0
Cations						
Calcium	80	1		mg/L	07/20/2004 1023 MH	EPA 200.7
Magnesium	9	1		mg/L	07/23/2004 753 MH	EPA 200.7
Potassium	1	1		mg/L	07/23/2004 753 MH	EPA 200.7
Sodium	74	1		mg/L	07/23/2004 753 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: _____

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-004
Client Sample ID 2AE16-1
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.64	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Chloride	0.17	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Fluoride	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sulfate	4.10	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Calcium	3.96	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Magnesium	0.75	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Potassium	0.02	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sodium	3.23	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	7.98	0		meq/L	08/02/2004 1144 JG	SM 1030F
Anion Sum	7.92	0		meq/L	08/02/2004 1144 JG	SM 1030F
Cation-Anion Balance	0.35	0		%	08/02/2004 1144 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	07/20/2004 1023 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	07/19/2004 1157 MS	EPA 200.8
Barium	ND	0.5		mg/L	07/19/2004 1157 MS	EPA 200.8
Boron	0.05	0.01		mg/L	07/20/2004 1023 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	07/19/2004 1157 MS	EPA 200.8
Chromium	ND	0.01		mg/L	07/20/2004 1023 MH	EPA 200.7
Copper	ND	0.01		mg/L	07/19/2004 1157 MS	EPA 200.8
Iron	1.04	0.05		mg/L	07/20/2004 1023 MH	EPA 200.7
Lead	ND	0.02		mg/L	07/19/2004 1157 MS	EPA 200.8
Manganese	0.60	0.02		mg/L	07/20/2004 1023 MH	EPA 200.7
Mercury	ND	0.001		mg/L	07/20/2004 1028 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	07/19/2004 1157 MS	EPA 200.8
Nickel	ND	0.01		mg/L	07/20/2004 1023 MH	EPA 200.7
Selenium	ND	0.005		mg/L	07/19/2004 1157 MS	EPA 200.8
Uranium	0.0518	0.0001		mg/L	07/19/2004 1157 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	07/19/2004 1157 MS	EPA 200.8
Zinc	ND	0.01		mg/L	07/20/2004 1023 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 Baute

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-005
Client Sample ID 2AG31-1
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	07/19/2004 1727 JG	EPA 150.1
Electrical Conductivity	533	5		µmhos/cm	07/19/2004 1727 JG	SM 2510B
Total Dissolved Solids (180)	360	10		mg/L	07/19/2004 1230 KA	SM 2540
Solids, Total Dissolved (Calc)	320	10		mg/L	08/02/2004 1144 JG	SM 1030F
Acidity	ND	5		mg/L	07/21/2004 1214 JG	SM 2310B
Alkalinity, Total (As CaCO3)	83	5		mg/L	07/19/2004 1727 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	90	1		mg/L	08/02/2004 1144 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	07/26/2004 1047 KB	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	07/16/2004 1558 RM	EPA 353.2
Silica as SiO2	15	0.1		mg/L	07/20/2004 1026 MH	EPA 200.7
Radium 226	173±9.1	0.2		pCi/L	07/22/2004 1647 JN	SM 7500
Sodium Adsorption Ratio	3.5	0.1			08/02/2004 1144 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	101	5		mg/L	07/19/2004 1727 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	07/19/2004 1727 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	07/19/2004 1727 JG	SM 2320B
Chloride	4	1		mg/L	07/19/2004 2051 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	07/19/2004 1727 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	07/21/2004 1006 KB	EPA 353.2
Sulfate	162	1		mg/L	07/19/2004 2051 LK	EPA 300.0
Cations						
Calcium	29	1		mg/L	07/20/2004 1026 MH	EPA 200.7
Magnesium	5	1		mg/L	07/20/2004 1026 MH	EPA 200.7
Potassium	ND	1		mg/L	07/20/2004 1026 MH	EPA 200.7
Sodium	75	1		mg/L	07/20/2004 1026 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 Baute

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: 8/5/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-005
Client Sample ID 2AG31-1
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.65	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Chloride	0.10	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Fluoride	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sulfate	3.36	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Calcium	1.42	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Magnesium	0.36	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Potassium	0.02	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sodium	3.27	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	5.09	0		meq/L	08/02/2004 1144 JG	SM 1030F
Anion Sum	5.12	0		meq/L	08/02/2004 1144 JG	SM 1030F
Cation-Anion Balance	0.34	0		%	08/02/2004 1144 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	07/20/2004 1026 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	07/19/2004 1159 MS	EPA 200.8
Barium	ND	0.5		mg/L	07/19/2004 1159 MS	EPA 200.8
Boron	0.06	0.01		mg/L	07/20/2004 1026 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	07/19/2004 1159 MS	EPA 200.8
Chromium	ND	0.01		mg/L	07/20/2004 1026 MH	EPA 200.7
Copper	ND	0.01		mg/L	07/19/2004 1159 MS	EPA 200.8
Iron	0.47	0.05		mg/L	07/20/2004 1026 MH	EPA 200.7
Lead	ND	0.02		mg/L	07/19/2004 1159 MS	EPA 200.8
Manganese	0.13	0.02		mg/L	07/20/2004 1026 MH	EPA 200.7
Mercury	ND	0.001		mg/L	07/20/2004 1030 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	07/19/2004 1159 MS	EPA 200.8
Nickel	ND	0.01		mg/L	07/20/2004 1026 MH	EPA 200.7
Selenium	0.033	0.005		mg/L	07/19/2004 1159 MS	EPA 200.8
Uranium	0.0188	0.0001		mg/L	07/19/2004 1159 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	07/19/2004 1159 MS	EPA 200.8
Zinc	ND	0.01		mg/L	07/20/2004 1026 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:

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-006
Client Sample ID 2AG26-1
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	07/19/2004 1740 JG	EPA 150.1
Electrical Conductivity	655	5		µmhos/cm	07/19/2004 1740 JG	SM 2510B
Total Dissolved Solids (180)	430	10		mg/L	07/19/2004 1250 KA	SM 2540
Solids, Total Dissolved (Calc)	390	10		mg/L	08/02/2004 1144 JG	SM 1030F
Acidity	ND	5		mg/L	07/21/2004 1224 JG	SM 2310B
Alkalinity, Total (As CaCO3)	158	5		mg/L	07/19/2004 1740 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	160	1		mg/L	08/02/2004 1144 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	07/26/2004 1048 KB	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	07/16/2004 1604 RM	EPA 353.2
Silica as SiO2	13	0.1		mg/L	07/20/2004 1030 MH	EPA 200.7
Radium 226	180±11	0.2		pCi/L	07/23/2004 1809 JN	SM 7500
Sodium Adsorption Ratio	2.6	0.1			08/02/2004 1144 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	193	5		mg/L	07/19/2004 1740 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	07/19/2004 1740 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	07/19/2004 1740 JG	SM 2320B
Chloride	3	1		mg/L	07/19/2004 2103 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	07/19/2004 1740 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	07/21/2004 1007 KB	EPA 353.2
Sulfate	151	1		mg/L	07/19/2004 2103 LK	EPA 300.0
Cations						
Calcium	54	1		mg/L	07/20/2004 1030 MH	EPA 200.7
Magnesium	6	1		mg/L	07/20/2004 1030 MH	EPA 200.7
Potassium	2	1		mg/L	07/20/2004 1030 MH	EPA 200.7
Sodium	77	1		mg/L	07/20/2004 1030 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 Baule

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-006
Client Sample ID 2AG26-1
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.16	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Chloride	0.09	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Fluoride	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sulfate	3.13	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Calcium	2.71	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Magnesium	0.49	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Potassium	0.03	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sodium	3.34	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	6.59	0		meq/L	08/02/2004 1144 JG	SM 1030F
Anion Sum	6.39	0		meq/L	08/02/2004 1144 JG	SM 1030F
Cation-Anion Balance	1.52	0		%	08/02/2004 1144 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	07/20/2004 1030 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	07/19/2004 1202 MS	EPA 200.8
Barium	ND	0.5		mg/L	07/19/2004 1202 MS	EPA 200.8
Boron	0.06	0.01		mg/L	07/20/2004 1030 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	07/19/2004 1202 MS	EPA 200.8
Chromium	ND	0.01		mg/L	07/20/2004 1030 MH	EPA 200.7
Copper	ND	0.01		mg/L	07/19/2004 1202 MS	EPA 200.8
Iron	0.62	0.05		mg/L	07/20/2004 1030 MH	EPA 200.7
Lead	ND	0.02		mg/L	07/19/2004 1202 MS	EPA 200.8
Manganese	0.36	0.02		mg/L	07/20/2004 1030 MH	EPA 200.7
Mercury	ND	0.001		mg/L	07/20/2004 1031 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	07/19/2004 1202 MS	EPA 200.8
Nickel	ND	0.01		mg/L	07/20/2004 1030 MH	EPA 200.7
Selenium	0.008	0.005		mg/L	07/19/2004 1202 MS	EPA 200.8
Uranium	0.0205	0.0001		mg/L	07/19/2004 1202 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	07/19/2004 1202 MS	EPA 200.8
Zinc	ND	0.01		mg/L	07/20/2004 1030 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: Wanda A Baule

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-007
Client Sample ID 2X54-1
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.1	0.1		s.u.	07/19/2004 1753 JG	EPA 150.1
Electrical Conductivity	926	5		µmhos/cm	07/19/2004 1753 JG	SM 2510B
Total Dissolved Solids (180)	630	10		mg/L	07/19/2004 1300 KA	SM 2540
Solids, Total Dissolved (Calc)	580	10		mg/L	08/02/2004 1144 JG	SM 1030F
Acidity	ND	5		mg/L	07/21/2004 1234 JG	SM 2310B
Alkalinity, Total (As CaCO3)	286	5		mg/L	07/19/2004 1753 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	236	1		mg/L	08/02/2004 1144 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	07/26/2004 1049 KB	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	07/16/2004 1559 RM	EPA 353.2
Silica as SiO2	19	0.1		mg/L	07/20/2004 1034 MH	EPA 200.7
Radium 226	677±18	0.2		pCi/L	07/29/2004 1445 JN	SM 7500
Sodium Adsorption Ratio	3.5	0.1			08/02/2004 1144 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	349	5		mg/L	07/19/2004 1753 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	07/19/2004 1753 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	07/19/2004 1753 JG	SM 2320B
Chloride	9	1		mg/L	07/19/2004 2116 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	07/19/2004 1753 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	07/21/2004 1008 KB	EPA 353.2
Sulfate	186	1		mg/L	07/19/2004 2116 LK	EPA 300.0
Cations						
Calcium	80	1		mg/L	07/20/2004 1034 MH	EPA 200.7
Magnesium	9	1		mg/L	07/20/2004 1034 MH	EPA 200.7
Potassium	2	1		mg/L	07/20/2004 1034 MH	EPA 200.7
Sodium	124	1		mg/L	07/20/2004 1034 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 K Barte

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-007
Client Sample ID 2X54-1
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	5.72	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Chloride	0.25	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Fluoride	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sulfate	3.87	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Calcium	3.97	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Magnesium	0.75	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Potassium	0.04	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sodium	5.38	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	10.15	0		meq/L	08/02/2004 1144 JG	SM 1030F
Anion Sum	9.86	0		meq/L	08/02/2004 1144 JG	SM 1030F
Cation-Anion Balance	1.44	0		%	08/02/2004 1144 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	07/20/2004 1034 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	07/19/2004 1205 MS	EPA 200.8
Barium	ND	0.5		mg/L	07/19/2004 1205 MS	EPA 200.8
Boron	0.06	0.01		mg/L	07/20/2004 1034 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	07/19/2004 1205 MS	EPA 200.8
Chromium	ND	0.01		mg/L	07/20/2004 1034 MH	EPA 200.7
Copper	ND	0.01		mg/L	07/19/2004 1205 MS	EPA 200.8
Iron	1.12	0.05		mg/L	07/20/2004 1034 MH	EPA 200.7
Lead	ND	0.02		mg/L	07/19/2004 1205 MS	EPA 200.8
Manganese	0.19	0.02		mg/L	07/20/2004 1034 MH	EPA 200.7
Mercury	ND	0.001		mg/L	07/20/2004 1033 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	07/19/2004 1205 MS	EPA 200.8
Nickel	ND	0.01		mg/L	07/20/2004 1034 MH	EPA 200.7
Selenium	ND	0.005		mg/L	07/19/2004 1205 MS	EPA 200.8
Uranium	0.227	0.0001		mg/L	07/19/2004 1205 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	07/19/2004 1205 MS	EPA 200.8
Zinc	ND	0.01		mg/L	07/20/2004 1034 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 Baste

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-008
Client Sample ID 2V76-1
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.6	0.1		s.u.	07/19/2004 1803 JG	EPA 150.1
Electrical Conductivity	717	5		µmhos/cm	07/19/2004 1803 JG	SM 2510B
Total Dissolved Solids (180)	460	10		mg/L	07/19/2004 1310 KA	SM 2540
Solids, Total Dissolved (Calc)	420	10		mg/L	08/02/2004 1144 JG	SM 1030F
Acidity	ND	5		mg/L	07/21/2004 1244 JG	SM 2310B
Alkalinity, Total (As CaCO3)	104	5		mg/L	07/19/2004 1803 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	23	1		mg/L	08/02/2004 1144 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	07/26/2004 1050 KB	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	07/16/2004 1600 RM	EPA 353.2
Silica as SiO2	9.2	0.1		mg/L	07/20/2004 1038 MH	EPA 200.7
Radium 226	21.0±3.8	0.2		pCi/L	07/23/2004 1809 JN	SM 7500
Sodium Adsorption Ratio	12.4	0.1			08/02/2004 1144 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	118	5		mg/L	07/19/2004 1803 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	07/19/2004 1803 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	07/19/2004 1803 JG	SM 2320B
Chloride	7	1		mg/L	07/19/2004 2128 LK	EPA 300.0
Fluoride	0.2	0.1		mg/L	07/19/2004 1803 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	0.06	0.05		mg/L	07/21/2004 1009 KB	EPA 353.2
Sulfate	199	1		mg/L	07/19/2004 2128 LK	EPA 300.0
Cations						
Calcium	8	1		mg/L	07/20/2004 1038 MH	EPA 200.7
Magnesium	1	1		mg/L	07/20/2004 1038 MH	EPA 200.7
Potassium	2	1		mg/L	07/20/2004 1038 MH	EPA 200.7
Sodium	138	1		mg/L	07/23/2004 757 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 Baade

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-008
Client Sample ID 2V76-1
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.93	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Carbonate as CO3	0.15	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Chloride	0.20	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Fluoride	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sulfate	4.14	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Calcium	0.37	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Magnesium	0.08	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Potassium	0.05	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sodium	6.39	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	6.50	0		meq/L	08/02/2004 1144 JG	SM 1030F
Anion Sum	6.44	0		meq/L	08/02/2004 1144 JG	SM 1030F
Cation-Anion Balance	0.43	0		%	08/02/2004 1144 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	07/20/2004 1038 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	07/19/2004 1207 MS	EPA 200.8
Barium	ND	0.5		mg/L	07/19/2004 1207 MS	EPA 200.8
Boron	0.03	0.01		mg/L	07/20/2004 1038 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	07/19/2004 1207 MS	EPA 200.8
Chromium	ND	0.01		mg/L	07/20/2004 1038 MH	EPA 200.7
Copper	ND	0.01		mg/L	07/19/2004 1207 MS	EPA 200.8
Iron	ND	0.05		mg/L	07/20/2004 1038 MH	EPA 200.7
Lead	ND	0.02		mg/L	07/19/2004 1207 MS	EPA 200.8
Manganese	ND	0.02		mg/L	07/20/2004 1038 MH	EPA 200.7
Mercury	ND	0.001		mg/L	07/20/2004 1034 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	07/19/2004 1207 MS	EPA 200.8
Nickel	ND	0.01		mg/L	07/20/2004 1038 MH	EPA 200.7
Selenium	ND	0.005		mg/L	07/19/2004 1207 MS	EPA 200.8
Uranium	0.0081	0.0001		mg/L	07/19/2004 1207 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	07/19/2004 1207 MS	EPA 200.8
Zinc	ND	0.01		mg/L	07/20/2004 1038 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 Baute

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-009
Client Sample ID 2Z35-1
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	07/19/2004 1815 JG	EPA 150.1
Electrical Conductivity	484	5		µmhos/cm	07/19/2004 1815 JG	SM 2510B
Total Dissolved Solids (180)	320	10		mg/L	07/19/2004 1320 KA	SM 2540
Solids, Total Dissolved (Calc)	290	10		mg/L	08/02/2004 1144 JG	SM 1030F
Acidity	ND	5		mg/L	07/21/2004 1254 JG	SM 2310B
Alkalinity, Total (As CaCO3)	127	5		mg/L	07/19/2004 1815 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	42	1		mg/L	08/02/2004 1144 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	07/26/2004 1051 KB	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	07/16/2004 1606 RM	EPA 353.2
Silica as SiO2	20	0.1		mg/L	07/20/2004 1041 MH	EPA 200.7
Radium 226	136±11	0.2		pCi/L	07/23/2004 1809 JN	SM 7500
Sodium Adsorption Ratio	6.0	0.1			08/02/2004 1144 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	155	5		mg/L	07/19/2004 1815 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	07/19/2004 1815 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	07/19/2004 1815 JG	SM 2320B
Chloride	3	1		mg/L	07/19/2004 2140 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	07/19/2004 1815 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	0.05	0.05		mg/L	07/21/2004 1010 KB	EPA 353.2
Sulfate	102	1		mg/L	07/19/2004 2140 LK	EPA 300.0
Cations						
Calcium	12	1		mg/L	07/20/2004 1041 MH	EPA 200.7
Magnesium	3	1		mg/L	07/20/2004 1041 MH	EPA 200.7
Potassium	1	1		mg/L	07/20/2004 1041 MH	EPA 200.7
Sodium	89	1		mg/L	07/20/2004 1041 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 A Baste

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 4-7-04 Received by [signature] Date 4-7

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 MW 2 Rd. 1)

*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)

nd Analysis Results to : Tom nicholson

Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X) Filtered	Not Filt.	HNO3	H2SO4	Comments
2V56-1	4-7-04	Half Gal.	X		X		
		Quart	X				
		8 ozs.		X			
		8 ozs.	X			X	
2U38-1		**	**	**	**	**	
2W50-1		**	**	**	**	**	
2W52-1		**	**	**	**	**	
2X54-1		**	**	**	**	**	
2T46-1		**	**	**	**	**	
2S100-2		**	**	**	**	**	
2T92-2		**	**	**	**	**	
2T105-2		**	**	**	**	**	
2V76-1		**	**	**	**	**	
2S88-1		**	**	**	**	**	
2R115-1		**	**	**	**	**	
		**	**	**	**	**	
		**	**	**	**	**	
		**	**	**	**	**	

ll 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-009
Client Sample ID 2Z35-1
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.54	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Chloride	0.07	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Fluoride	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sulfate	2.12	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Calcium	0.61	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Magnesium	0.21	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Potassium	0.02	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sodium	3.88	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	4.73	0		meq/L	08/02/2004 1144 JG	SM 1030F
Anion Sum	4.74	0		meq/L	08/02/2004 1144 JG	SM 1030F
Cation-Anion Balance	0.08	0		%	08/02/2004 1144 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	07/20/2004 1041 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	07/19/2004 1210 MS	EPA 200.8
Barium	ND	0.5		mg/L	07/19/2004 1210 MS	EPA 200.8
Boron	0.05	0.01		mg/L	07/20/2004 1041 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	07/19/2004 1210 MS	EPA 200.8
Chromium	ND	0.01		mg/L	07/20/2004 1041 MH	EPA 200.7
Copper	ND	0.01		mg/L	07/19/2004 1210 MS	EPA 200.8
Iron	0.64	0.05		mg/L	07/20/2004 1041 MH	EPA 200.7
Lead	ND	0.02		mg/L	07/19/2004 1210 MS	EPA 200.8
Manganese	0.07	0.02		mg/L	07/20/2004 1041 MH	EPA 200.7
Mercury	ND	0.001		mg/L	07/20/2004 1036 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	07/19/2004 1210 MS	EPA 200.8
Nickel	ND	0.01		mg/L	07/20/2004 1041 MH	EPA 200.7
Selenium	ND	0.005		mg/L	07/19/2004 1210 MS	EPA 200.8
Uranium	0.0135	0.0001		mg/L	07/19/2004 1210 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	07/19/2004 1210 MS	EPA 200.8
Zinc	ND	0.01		mg/L	07/20/2004 1041 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 Barsle

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-010
Client Sample ID 2T105-2
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.5	0.1		s.u.	07/19/2004 1827 JG	EPA 150.1
Electrical Conductivity	461	5		µmhos/cm	07/19/2004 1827 JG	SM 2510B
Total Dissolved Solids (180)	310	10		mg/L	07/19/2004 1330 KA	SM 2540
Solids, Total Dissolved (Calc)	280	10		mg/L	08/02/2004 1144 JG	SM 1030F
Acidity	ND	5		mg/L	07/21/2004 1304 JG	SM 2310B
Alkalinity, Total (As CaCO3)	96	5		mg/L	07/19/2004 1827 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	60	1		mg/L	08/02/2004 1144 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	07/26/2004 1052 KB	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	07/16/2004 1607 RM	EPA 353.2
Silica as SiO2	15	0.1		mg/L	07/20/2004 1045 MH	EPA 200.7
Radium 226	188±12	0.2		pCi/L	07/23/2004 1809 JN	SM 7500
Sodium Adsorption Ratio	4.0	0.1			08/02/2004 1144 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	118	5		mg/L	07/19/2004 1827 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	07/19/2004 1827 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	07/19/2004 1827 JG	SM 2320B
Chloride	2	1		mg/L	07/19/2004 2152 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	07/19/2004 1827 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	07/21/2004 1011 KB	EPA 353.2
Sulfate	120	1		mg/L	07/19/2004 2152 LK	EPA 300.0
Cations						
Calcium	18	1		mg/L	07/20/2004 1045 MH	EPA 200.7
Magnesium	4	1		mg/L	07/20/2004 1045 MH	EPA 200.7
Potassium	ND	1		mg/L	07/20/2004 1045 MH	EPA 200.7
Sodium	72	1		mg/L	07/20/2004 1045 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 Baade

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-010
Client Sample ID 2T105-2
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.92	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Chloride	0.04	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Fluoride	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sulfate	2.50	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Calcium	0.91	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Magnesium	0.28	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Potassium	0.01	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sodium	3.13	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	4.35	0		meq/L	08/02/2004 1144 JG	SM 1030F
Anion Sum	4.48	0		meq/L	08/02/2004 1144 JG	SM 1030F
Cation-Anion Balance	1.50	0		%	08/02/2004 1144 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	07/20/2004 1045 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	07/19/2004 1220 MS	EPA 200.8
Barium	ND	0.5		mg/L	07/19/2004 1220 MS	EPA 200.8
Boron	0.05	0.01		mg/L	07/20/2004 1045 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	07/19/2004 1220 MS	EPA 200.8
Chromium	ND	0.01		mg/L	07/20/2004 1045 MH	EPA 200.7
Copper	ND	0.01		mg/L	07/19/2004 1220 MS	EPA 200.8
Iron	0.84	0.05		mg/L	07/20/2004 1045 MH	EPA 200.7
Lead	ND	0.02		mg/L	07/19/2004 1220 MS	EPA 200.8
Manganese	0.13	0.02		mg/L	07/20/2004 1045 MH	EPA 200.7
Mercury	ND	0.001		mg/L	07/20/2004 1037 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	07/19/2004 1220 MS	EPA 200.8
Nickel	ND	0.01		mg/L	07/20/2004 1045 MH	EPA 200.7
Selenium	ND	0.005		mg/L	07/19/2004 1220 MS	EPA 200.8
Uranium	0.0216	0.0001		mg/L	07/19/2004 1220 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	07/19/2004 1220 MS	EPA 200.8
Zinc	ND	0.01		mg/L	07/20/2004 1045 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 K Bauder

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-011
Client Sample ID 2T92-2
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.1	0.1		s.u.	07/19/2004 1840 JG	EPA 150.1
Electrical Conductivity	1040	5		µmhos/cm	07/19/2004 1840 JG	SM 2510B
Total Dissolved Solids (180)	690	10		mg/L	07/19/2004 1340 KA	SM 2540
Solids, Total Dissolved (Calc)	640	10		mg/L	08/02/2004 1144 JG	SM 1030F
Acidity	ND	5		mg/L	07/21/2004 1314 JG	SM 2310B
Alkalinity, Total (As CaCO3)	403	5		mg/L	07/19/2004 1840 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	296	1		mg/L	08/02/2004 1144 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	07/26/2004 1059 KB	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	07/16/2004 1608 RM	EPA 353.2
Silica as SiO2	7.5	0.1		mg/L	07/20/2004 1049 MH	EPA 200.7
Radium 226	118±8.9	0.2		pCi/L	07/23/2004 1809 JN	SM 7500
Sodium Adsorption Ratio	3.3	0.1			08/02/2004 1144 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	492	5		mg/L	07/19/2004 1840 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	07/19/2004 1840 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	07/19/2004 1840 JG	SM 2320B
Chloride	14	1		mg/L	07/19/2004 2205 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	07/19/2004 1840 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	07/21/2004 1012 KB	EPA 353.2
Sulfate	141	1		mg/L	07/19/2004 2205 LK	EPA 300.0
Cations						
Calcium	102	1		mg/L	07/20/2004 1049 MH	EPA 200.7
Magnesium	10	1		mg/L	07/20/2004 1049 MH	EPA 200.7
Potassium	1	1		mg/L	07/20/2004 1049 MH	EPA 200.7
Sodium	131	1		mg/L	07/20/2004 1049 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 Baustian

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: 8/4/2004
Report ID: S0407001001

Project: Cogema Christensen Mine
Lab ID: S0407001-011
Client Sample ID 2T92-2
Matrix: Water

Work Order: S0407001
Collection Date: 7/15/2004
Date Received: 7/16/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	8.05	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Chloride	0.39	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Fluoride	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sulfate	2.94	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Calcium	5.08	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Magnesium	0.83	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Potassium	0.02	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Sodium	5.70	0.01		meq/L	08/02/2004 1144 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	11.66	0		meq/L	08/02/2004 1144 JG	SM 1030F
Anion Sum	11.39	0		meq/L	08/02/2004 1144 JG	SM 1030F
Cation-Anion Balance	1.16	0		%	08/02/2004 1144 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	07/20/2004 1049 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	07/19/2004 1223 MS	EPA 200.8
Barium	ND	0.5		mg/L	07/19/2004 1223 MS	EPA 200.8
Boron	0.05	0.01		mg/L	07/20/2004 1049 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	07/19/2004 1223 MS	EPA 200.8
Chromium	ND	0.01		mg/L	07/20/2004 1049 MH	EPA 200.7
Copper	ND	0.01		mg/L	07/19/2004 1223 MS	EPA 200.8
Iron	0.07	0.05		mg/L	07/20/2004 1049 MH	EPA 200.7
Lead	ND	0.02		mg/L	07/19/2004 1223 MS	EPA 200.8
Manganese	0.17	0.02		mg/L	07/20/2004 1049 MH	EPA 200.7
Mercury	ND	0.001		mg/L	07/20/2004 1039 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	07/19/2004 1223 MS	EPA 200.8
Nickel	ND	0.01		mg/L	07/20/2004 1049 MH	EPA 200.7
Selenium	ND	0.005		mg/L	07/19/2004 1223 MS	EPA 200.8
Uranium	1.11	0.0001		mg/L	07/19/2004 1223 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	07/19/2004 1223 MS	EPA 200.8
Zinc	ND	0.01		mg/L	07/20/2004 1049 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 Baute

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: 8/4/2004
Report ID: S0407025001

Project: Cogema Christensen Mine
Lab ID: S0407025-001
Client Sample ID 2AD26-1
Matrix: Water

Work Order: S0407025
Collection Date: 7/19/2004
Date Received: 7/19/2004

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	07/20/2004 1932 JG	EPA 150.1
Electrical Conductivity	1080	5		µmhos/cm	07/20/2004 1932 JG	SM 2510B
Total Dissolved Solids (180)	720	10		mg/L	07/20/2004 1450 KA	SM 2540
Solids, Total Dissolved (Calc)	630	10		mg/L	08/04/2004 1114 JG	SM 1030F
Acidity	ND	5		mg/L	07/21/2004 1424 JG	SM 2310B
Alkalinity, Total (As CaCO3)	226	5		mg/L	07/20/2004 1932 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	265	1		mg/L	08/04/2004 1114 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	07/26/2004 1116 KB	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	07/20/2004 1551 KB	EPA 353.2
Silica as SiO2	11	0.1		mg/L	07/21/2004 921 MH	EPA 200.7
Radium 226	462±15	0.2		pCi/L	07/29/2004 1756 JN	SM 7500
Sodium Adsorption Ratio	3.3	0.1			08/04/2004 1114 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	276	5		mg/L	07/20/2004 1932 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	07/20/2004 1932 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	07/20/2004 1932 JG	SM 2320B
Chloride	11	1		mg/L	07/21/2004 1154 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	07/20/2004 1932 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	07/21/2004 1039 KB	EPA 353.2
Sulfate	262	1		mg/L	07/21/2004 1154 LK	EPA 300.0
Cations						
Calcium	86	1		mg/L	07/21/2004 921 MH	EPA 200.7
Magnesium	12	1		mg/L	07/21/2004 921 MH	EPA 200.7
Potassium	2	1		mg/L	07/21/2004 921 MH	EPA 200.7
Sodium	124	1		mg/L	07/21/2004 921 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 Baute

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 7-14-07 Received by [signature] Date 7-14 17:0

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

Restoration Phase: ___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
X Stabilization (explain Unit 2 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	2P110-1	7-14-07	Half Gal.	X		X		11572	
			Quart	X				"	
			8 ozs.		X			"	
			8 ozs.	X			X	"	
2	2R115-1		**	**	**	**	**	11573	
3	2T95-1		**	**	**	**	**	11574	
4	2S88-1		**	**	**	**	**	11575	
5	2U84-1		**	**	**	**	**	11576	
6	2S100-2		**	**	**	**	**	11577	
7	2AA28-1		**	**	**	**	**	11578	
8	2Y46-1		**	**	**	**	**	11579	
9	2U38-1		**	**	**	**	**	11580	
10	2T46-1		**	**	**	**	**	11581	
11	2U53-1		**	**	**	**	**	11582	
12	2V56-1		**	**	**	**	**	11583 d	
13	2W50-1		**	**	**	**	**	11584	
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

Report ID: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2P110-1
Lab ID: 0104W11572
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.7	s.u.			0.1	EPA 150.1	07/15/04	1634	JG
Lab Conductivity @ 25°C	791	µmhos/cm			5	SM 2510 B	07/15/04	1634	JG
Total Dissolved Solids @ 180°C	590	mg/L			10	SM 2540 C	07/15/04	1500	KA
Total Dissolved Solids(Calc)	550	mg/L			10	SM 1030 F.	07/20/04	0747	
Total Alkalinity as CaCO3	134	mg/L			1	SM 2320 B	07/15/04	1634	JG
Total Hardness as CaCO3	353	mg/L			1.0	SM 2340 B	07/19/04	1113	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	07/26/04	1011	KB
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	07/16/04	1534	RM
Radium 226	141±9.1	pCi/L			0.2	SM 7500 Ra-B	07/20/04	1714	JN
Silica as SiO2	6.93	mg/L			0.10	EPA 200.7	07/19/04	1113	MH
Sodium Adsorption Ratio	0.9				N/A	Calculations	07/19/04	1113	
Anions									
Bicarbonate as HCO3	163	mg/L	2.67	meq/L	1.0	SM 2320 B	07/15/04	1634	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1634	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1634	JG
Chloride	1.5	mg/L	0.04	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	07/15/04	1634	JG
Nitrate + Nitrite as N	<0.1	mg/L	0.01	meq/L	0.1	EPA 353.2	07/20/04	0747	KB
Sulfate	287	mg/L	5.98	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Cations									
Calcium	129	mg/L	6.44	meq/L	1.0	EPA 200.7	07/19/04	1113	MH
Magnesium	7.5	mg/L	0.62	meq/L	1.0	EPA 200.7	07/19/04	1113	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	07/19/04	1113	MH
Sodium	39.6	mg/L	1.72	meq/L	0.20	EPA 200.7	07/19/04	1113	MH
Cations			8.78	meq/L	N/A	SM 1030 F.	07/19/04	1113	
Anions			8.69	meq/L	N/A	SM 1030 F.	07/20/04	0747	
Cation/Anion Balance			0.52	%	N/A	SM 1030 F.	07/19/04	1113	

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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2P110-1
Lab ID: 0104W11572
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	07/19/04	1113	MH
Arsenic	0.024	mg/L		0.005	EPA 200.8	07/16/04	1224	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	07/16/04	1224	MS
Boron	0.03	mg/L		0.01	EPA 200.7	07/19/04	1113	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	07/16/04	1224	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1113	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	07/16/04	1224	MS
Iron	2.68	mg/L		0.05	EPA 200.7	07/19/04	1113	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1224	MS
Manganese	0.58	mg/L		0.02	EPA 200.7	07/19/04	1113	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/20/04	0906	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1224	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1113	MH
Selenium	0.010	mg/L		0.005	EPA 200.8	07/16/04	1224	MS
Uranium	0.456	mg/L		0.0001	EPA 200.8	07/16/04	1224	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	07/16/04	1224	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	07/19/04	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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2R115-1
Lab ID: 0104W11573
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.0	s.u.			0.1	EPA 150.1	07/15/04	1646	JG
Lab Conductivity @ 25°C	1,050	µmhos/cm			5	SM 2510 B	07/15/04	1646	JG
Total Dissolved Solids @ 180°C	710	mg/L			10	SM 2540 C	07/15/04	1500	KA
Total Dissolved Solids(Calc)	670	mg/L			10	SM 1030 F.	07/20/04	0748	
Total Alkalinity as CaCO3	329	mg/L			1	SM 2320 B	07/15/04	1646	JG
Total Hardness as CaCO3	258	mg/L			1.0	SM 2340 B	07/19/04	1117	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	07/26/04	1012	KB
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	07/16/04	1535	RM
Radium 226	1060±25	pCi/L			0.2	SM 7500 Ra-B	07/20/04	1714	JN
Silica as SiO2	6.24	mg/L			0.10	EPA 200.7	07/19/04	1113	MH
Sodium Adsorption Ratio	4.3				N/A	Calculations	07/19/04	1117	
Anions									
Bicarbonate as HCO3	401	mg/L	6.57	meq/L	1.0	SM 2320 B	07/15/04	1646	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1646	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1646	JG
Chloride	14.1	mg/L	0.40	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	07/15/04	1646	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	07/20/04	0748	KB
Sulfate	203	mg/L	4.23	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Cations									
Calcium	90.7	mg/L	4.52	meq/L	1.0	EPA 200.7	07/19/04	1117	MH
Magnesium	7.7	mg/L	0.63	meq/L	1.0	EPA 200.7	07/19/04	1117	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	07/19/04	1117	MH
Sodium	157	mg/L	6.84	meq/L	0.20	EPA 200.7	07/19/04	1117	MH
Cations			11.99	meq/L	N/A	SM 1030 F.	07/19/04	1117	
Anions			11.20	meq/L	N/A	SM 1030 F.	07/20/04	0748	
Cation/Anion Balance			3.41	%	N/A	SM 1030 F.	07/19/04	1117	

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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2R115-1
Lab ID: 0104W11573
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	07/19/04	1117	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	07/16/04	1226	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	07/16/04	1226	MS
Boron	0.03	mg/L		0.01	EPA 200.7	07/19/04	1117	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	07/16/04	1226	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1117	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	07/16/04	1226	MS
Iron	0.33	mg/L		0.05	EPA 200.7	07/19/04	1117	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1226	MS
Manganese	0.14	mg/L		0.02	EPA 200.7	07/19/04	1117	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/20/04	0906	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1226	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1117	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	07/16/04	1226	MS
Uranium	0.0386	mg/L		0.0001	EPA 200.8	07/16/04	1226	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	07/16/04	1226	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	07/19/04	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: 010411572

WATER QUALITY REPORT

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

Project: Misc.
Sample ID: 2T95-1
Lab ID: 0104W11574
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.4	s.u.			0.1	EPA 150.1	07/15/04	1657	JG
Lab Conductivity @ 25°C	684	µmhos/cm			5	SM 2510 B	07/15/04	1657	JG
Total Dissolved Solids @ 180°C	440	mg/L			10	SM 2540 C	07/15/04	1500	KA
Total Dissolved Solids(Calc)	410	mg/L			10	SM 1030 F.	07/20/04	0749	
Total Alkalinity as CaCO3	205	mg/L			1	SM 2320 B	07/15/04	1657	JG
Total Hardness as CaCO3	108	mg/L			1.0	SM 2340 B	07/19/04	1121	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	07/26/04	1018	KB
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	07/16/04	1536	RM
Radium 226	181±11	pCi/L			0.2	SM 7500 Ra-B	07/20/04	1714	JN
Silica as SiO2	12.2	mg/L			0.10	EPA 200.7	07/19/04	1113	MH
Sodium Adsorption Ratio	4.8				N/A	Calculations	07/19/04	1121	
Anions									
Bicarbonate as HCO3	250	mg/L	4.10	meq/L	1.0	SM 2320 B	07/15/04	1657	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1657	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1657	JG
Chloride	7.0	mg/L	0.20	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	07/15/04	1657	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	07/20/04	0749	KB
Sulfate	126	mg/L	2.62	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Cations									
Calcium	33.1	mg/L	1.65	meq/L	1.0	EPA 200.7	07/19/04	1121	MH
Magnesium	6.1	mg/L	0.50	meq/L	1.0	EPA 200.7	07/19/04	1121	MH
Potassium	1.5	mg/L	0.04	meq/L	1.0	EPA 200.7	07/19/04	1121	MH
Sodium	115	mg/L	4.98	meq/L	0.20	EPA 200.7	07/19/04	1121	MH
Cations			7.17	meq/L	N/A	SM 1030 F.	07/19/04	1121	
Anions			6.92	meq/L	N/A	SM 1030 F.	07/20/04	0749	
Cation/Anion Balance			1.77	%	N/A	SM 1030 F.	07/19/04	1121	

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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2T95-1
Lab ID: 0104W11574
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	07/19/04	1121	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	07/16/04	1229	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	07/16/04	1229	MS
Boron	0.03	mg/L		0.01	EPA 200.7	07/19/04	1121	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	07/16/04	1229	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1121	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	07/16/04	1229	MS
Iron	0.67	mg/L		0.05	EPA 200.7	07/19/04	1121	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1229	MS
Manganese	0.14	mg/L		0.02	EPA 200.7	07/19/04	1121	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/20/04	0906	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1229	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1121	MH
Selenium	0.006	mg/L		0.005	EPA 200.8	07/16/04	1229	MS
Uranium	0.0380	mg/L		0.0001	EPA 200.8	07/16/04	1229	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	07/16/04	1229	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1121	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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2S88-1
Lab ID: 0104W11575
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.9	s.u.			0.1	EPA 150.1	07/15/04	1709	JG
Lab Conductivity @ 25°C	1,060	µmhos/cm			5	SM 2510 B	07/15/04	1709	JG
Total Dissolved Solids @ 180°C	800	mg/L			10	SM 2540 C	07/15/04	1500	KA
Total Dissolved Solids(Calc)	730	mg/L			10	SM 1030 F.	07/20/04	0750	
Total Alkalinity as CaCO3	233	mg/L			1	SM 2320 B	07/15/04	1709	JG
Total Hardness as CaCO3	447	mg/L			1.0	SM 2340 B	07/19/04	1124	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	07/26/04	1019	KB
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	07/16/04	1537	RM
Radium 226	1210±27	pCi/L			0.2	SM 7500 Ra-B	07/20/04	1714	JN
Silica as SiO2	7.56	mg/L			0.10	EPA 200.7	07/19/04	1113	MH
Sodium Adsorption Ratio	1.5				N/A	Calculations	07/19/04	1124	
Anions									
Bicarbonate as HCO3	284	mg/L	4.66	meq/L	1.0	SM 2320 B	07/15/04	1709	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1709	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1709	JG
Chloride	4.2	mg/L	0.12	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	07/15/04	1709	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	07/20/04	0750	KB
Sulfate	342	mg/L	7.12	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Cations									
Calcium	162	mg/L	8.06	meq/L	1.0	EPA 200.7	07/19/04	1124	MH
Magnesium	10.6	mg/L	0.87	meq/L	1.0	EPA 200.7	07/19/04	1124	MH
Potassium	1.5	mg/L	0.04	meq/L	1.0	EPA 200.7	07/19/04	1124	MH
Sodium	73.3	mg/L	3.19	meq/L	0.20	EPA 200.7	07/19/04	1124	MH
Cations			12.16	meq/L	N/A	SM 1030 F.	07/19/04	1124	
Anions			11.90	meq/L	N/A	SM 1030 F.	07/20/04	0750	
Cation/Anion Balance			1.08	%	N/A	SM 1030 F.	07/19/04	1124	

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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2S88-1
Lab ID: 0104W11575
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	07/19/04	1124	MH
Arsenic	0.069	mg/L		0.005	EPA 200.8	07/16/04	1232	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	07/16/04	1232	MS
Boron	0.03	mg/L		0.01	EPA 200.7	07/19/04	1124	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	07/16/04	1232	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1124	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	07/16/04	1232	MS
Iron	0.14	mg/L		0.05	EPA 200.7	07/19/04	1124	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1232	MS
Manganese	0.47	mg/L		0.02	EPA 200.7	07/19/04	1124	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/20/04	0906	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1232	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1124	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	07/16/04	1232	MS
Uranium	0.600	mg/L		0.0001	EPA 200.8	07/16/04	1232	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	07/16/04	1232	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1124	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: 010411572

WATER QUALITY REPORT

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

Project: Misc.
Sample ID: 2U84-1
Lab ID: 0104W11576
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.7	s.u.			0.1	EPA 150.1	07/15/04	1721	JG
Lab Conductivity @ 25°C	538	µmhos/cm			5	SM 2510 B	07/15/04	1721	JG
Total Dissolved Solids @ 180°C	360	mg/L			10	SM 2540 C	07/15/04	1500	KA
Total Dissolved Solids(Calc)	320	mg/L			10	SM 1030 F.	07/20/04	0751	
Total Alkalinity as CaCO3	155	mg/L			1	SM 2320 B	07/15/04	1721	JG
Total Hardness as CaCO3	174	mg/L			1.0	SM 2340 B	07/19/04	1128	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	07/26/04	1020	KB
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	07/16/04	1538	RM
Radium 226	133±9.2	pCi/L			0.2	SM 7500 Ra-B	07/20/04	1714	JN
Silica as SiO2	7.85	mg/L			0.10	EPA 200.7	07/19/04	1113	MH
Sodium Adsorption Ratio	1.6				N/A	Calculations	07/19/04	1128	
Anions									
Bicarbonate as HCO3	189	mg/L	3.10	meq/L	1.0	SM 2320 B	07/15/04	1721	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1721	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1721	JG
Chloride	3.8	mg/L	0.11	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	07/15/04	1721	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	07/20/04	0751	KB
Sulfate	111	mg/L	2.32	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Cations									
Calcium	60.1	mg/L	3.00	meq/L	1.0	EPA 200.7	07/19/04	1128	MH
Magnesium	5.9	mg/L	0.48	meq/L	1.0	EPA 200.7	07/19/04	1128	MH
Potassium	1.0	mg/L	0.03	meq/L	1.0	EPA 200.7	07/19/04	1128	MH
Sodium	48.2	mg/L	2.09	meq/L	0.20	EPA 200.7	07/19/04	1128	MH
Cations			5.60	meq/L	N/A	SM 1030 F.	07/19/04	1128	
Anions			5.53	meq/L	N/A	SM 1030 F.	07/20/04	0751	
Cation/Anion Balance			0.63	%	N/A	SM 1030 F.	07/19/04	1128	

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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2U84-1
Lab ID: 0104W11576
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	07/19/04	1128	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	07/16/04	1234	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	07/16/04	1234	MS
Boron	0.01	mg/L		0.01	EPA 200.7	07/19/04	1128	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	07/16/04	1234	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1128	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	07/16/04	1234	MS
Iron	1.07	mg/L		0.05	EPA 200.7	07/19/04	1128	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1234	MS
Manganese	0.19	mg/L		0.02	EPA 200.7	07/19/04	1128	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/20/04	0906	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1234	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1128	MH
Selenium	0.024	mg/L		0.005	EPA 200.8	07/16/04	1234	MS
Uranium	0.338	mg/L		0.0001	EPA 200.8	07/16/04	1234	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	07/16/04	1234	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1128	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: 010411572

WATER QUALITY REPORT

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

Project: Misc.
Sample ID: 2S100-2
Lab ID: 0104W11577
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.0	s.u.			0.1	EPA 150.1	07/15/04	1733	JG
Lab Conductivity @ 25°C	1,060	µmhos/cm			5	SM 2510 B	07/15/04	1733	JG
Total Dissolved Solids @ 180°C	710	mg/L			10	SM 2540 C	07/15/04	1500	KA
Total Dissolved Solids(Calc)	680	mg/L			10	SM 1030 F.	07/20/04	0752	
Total Alkalinity as CaCO3	383	mg/L			1	SM 2320 B	07/15/04	1733	JG
Total Hardness as CaCO3	170	mg/L			1.0	SM 2340 B	07/19/04	1132	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	07/26/04	1021	KB
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	07/16/04	1539	RM
Radium 226	1010±23	pCi/L			0.2	SM 7500 Ra-B	07/20/04	1714	JN
Silica as SiO2	7.19	mg/L			0.10	EPA 200.7	07/19/04	1113	MH
Sodium Adsorption Ratio	6.8				N/A	Calculations	07/19/04	1132	
Anions									
Bicarbonate as HCO3	467	mg/L	7.66	meq/L	1.0	SM 2320 B	07/15/04	1733	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1733	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1733	JG
Chloride	12.8	mg/L	0.36	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	07/15/04	1733	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	07/20/04	0752	KB
Sulfate	165	mg/L	3.44	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Cations									
Calcium	54.7	mg/L	2.73	meq/L	1.0	EPA 200.7	07/19/04	1132	MH
Magnesium	8.1	mg/L	0.67	meq/L	1.0	EPA 200.7	07/19/04	1132	MH
Potassium	2.5	mg/L	0.06	meq/L	1.0	EPA 200.7	07/19/04	1132	MH
Sodium	202	mg/L	8.80	meq/L	0.20	EPA 200.7	07/19/04	1132	MH
Cations			12.26	meq/L	N/A	SM 1030 F.	07/19/04	1132	
Anions			11.46	meq/L	N/A	SM 1030 F.	07/20/04	0752	
Cation/Anion Balance			3.37	%	N/A	SM 1030 F.	07/19/04	1132	

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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2S100-2
Lab ID: 0104W11577
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	07/19/04	1132	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	07/16/04	1237	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	07/16/04	1237	MS
Boron	0.03	mg/L		0.01	EPA 200.7	07/19/04	1132	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	07/16/04	1237	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1132	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	07/16/04	1237	MS
Iron	0.60	mg/L		0.05	EPA 200.7	07/19/04	1132	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1237	MS
Manganese	0.31	mg/L		0.02	EPA 200.7	07/19/04	1132	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/20/04	0906	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1237	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1132	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	07/16/04	1237	MS
Uranium	2.39	mg/L		0.0001	EPA 200.8	07/16/04	1237	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	07/16/04	1237	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1132	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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2AA28-1
Lab ID: 0104W11578
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.4	s.u.			0.1	EPA 150.1	07/15/04	1746	JG
Lab Conductivity @ 25°C	724	µmhos/cm			5	SM 2510 B	07/15/04	1746	JG
Total Dissolved Solids @ 180°C	500	mg/L			10	SM 2540 C	07/15/04	1500	KA
Total Dissolved Solids(Calc)	450	mg/L			10	SM 1030 F.	07/20/04	0753	
Total Alkalinity as CaCO3	92	mg/L			1	SM 2320 B	07/15/04	1746	JG
Total Hardness as CaCO3	120	mg/L			1.0	SM 2340 B	07/19/04	1147	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	07/26/04	1022	KB
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	07/16/04	1540	RM
Radium 226	506±16	pCi/L			0.2	SM 7500 Ra-B	07/20/04	1714	JN
Silica as SiO2	9.70	mg/L			0.10	EPA 200.7	07/19/04	1113	MH
Sodium Adsorption Ratio	4.4				N/A	Calculations	07/19/04	1147	
Anions									
Bicarbonate as HCO3	112	mg/L	1.84	meq/L	1.0	SM 2320 B	07/15/04	1746	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1746	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1746	JG
Chloride	8.7	mg/L	0.25	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	07/15/04	1746	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	07/20/04	0753	KB
Sulfate	234	mg/L	4.87	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Cations									
Calcium	37.0	mg/L	1.84	meq/L	1.0	EPA 200.7	07/19/04	1147	MH
Magnesium	6.6	mg/L	0.55	meq/L	1.0	EPA 200.7	07/19/04	1147	MH
Potassium	1.6	mg/L	0.04	meq/L	1.0	EPA 200.7	07/19/04	1147	MH
Sodium	109	mg/L	4.76	meq/L	0.20	EPA 200.7	07/19/04	1147	MH
Cations			7.19	meq/L	N/A	SM 1030 F.	07/19/04	1147	
Anions			6.96	meq/L	N/A	SM 1030 F.	07/20/04	0753	
Cation/Anion Balance			1.63	%	N/A	SM 1030 F.	07/19/04	1147	

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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2AA28-1
Lab ID: 0104W11578
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	07/19/04	1147	MH
Arsenic	0.062	mg/L		0.005	EPA 200.8	07/16/04	1240	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	07/16/04	1240	MS
Boron	0.04	mg/L		0.01	EPA 200.7	07/19/04	1147	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	07/16/04	1240	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1147	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	07/16/04	1240	MS
Iron	3.92	mg/L		0.05	EPA 200.7	07/19/04	1147	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1240	MS
Manganese	0.28	mg/L		0.02	EPA 200.7	07/19/04	1147	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/20/04	0906	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1240	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1147	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	07/16/04	1240	MS
Uranium	0.0581	mg/L		0.0001	EPA 200.8	07/16/04	1240	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	07/16/04	1240	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1147	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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2Y46-1
Lab ID: 0104W11579
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.5	s.u.			0.1	EPA 150.1	07/15/04	1757	JG
Lab Conductivity @ 25°C	433	µmhos/cm			5	SM 2510 B	07/15/04	1757	JG
Total Dissolved Solids @ 180°C	290	mg/L			10	SM 2540 C	07/15/04	1500	KA
Total Dissolved Solids(Calc)	260	mg/L			10	SM 1030 F.	07/20/04	0754	
Total Alkalinity as CaCO3	55	mg/L			1	SM 2320 B	07/15/04	1757	JG
Total Hardness as CaCO3	34.0	mg/L			1.0	SM 2340 B	07/19/04	1150	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	07/26/04	1023	KB
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	07/16/04	1541	RM
Radium 226	29.2±3.8	pCi/L			0.2	SM 7500 Ra-B	07/20/04	1714	JN
Silica as SiO2	6.09	mg/L			0.10	EPA 200.7	07/19/04	1113	MH
Sodium Adsorption Ratio	5.6				N/A	Calculations	07/19/04	1150	
Anions									
Bicarbonate as HCO3	67.1	mg/L	1.10	meq/L	1.0	SM 2320 B	07/15/04	1757	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1757	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1757	JG
Chloride	2.4	mg/L	0.07	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	07/15/04	1757	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	07/20/04	0754	KB
Sulfate	138	mg/L	2.88	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Cations									
Calcium	10.0	mg/L	0.50	meq/L	1.0	EPA 200.7	07/19/04	1150	MH
Magnesium	2.2	mg/L	0.18	meq/L	1.0	EPA 200.7	07/19/04	1150	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	07/19/04	1150	MH
Sodium	75.3	mg/L	3.28	meq/L	0.20	EPA 200.7	07/19/04	1150	MH
Cations			3.96	meq/L	N/A	SM 1030 F.	07/19/04	1150	
Anions			4.05	meq/L	N/A	SM 1030 F.	07/20/04	0754	
Cation/Anion Balance			1.12	%	N/A	SM 1030 F.	07/19/04	1150	

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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2Y46-1
Lab ID: 0104W11579
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	07/19/04	1150	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	07/16/04	1353	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	07/16/04	1353	MS
Boron	0.03	mg/L		0.01	EPA 200.7	07/19/04	1150	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	07/16/04	1353	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1150	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	07/16/04	1353	MS
Iron	0.22	mg/L		0.05	EPA 200.7	07/19/04	1150	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1353	MS
Manganese	0.07	mg/L		0.02	EPA 200.7	07/19/04	1150	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/20/04	0906	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1353	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1150	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	07/16/04	1353	MS
Uranium	0.0008	mg/L		0.0001	EPA 200.8	07/16/04	1353	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	07/16/04	1353	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1150	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: 010411572

WATER QUALITY REPORT

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

Project: Misc.
Sample ID: 2U38-1
Lab ID: 0104W11580
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.4	s.u.			0.1	EPA 150.1	07/15/04	1810	JG
Lab Conductivity @ 25°C	702	µmhos/cm			5	SM 2510 B	07/15/04	1810	JG
Total Dissolved Solids @ 180°C	490	mg/L			10	SM 2540 C	07/15/04	1500	KA
Total Dissolved Solids(Calc)	450	mg/L			10	SM 1030 F.	07/20/04	0755	
Total Alkalinity as CaCO3	120	mg/L			1	SM 2320 B	07/15/04	1810	JG
Total Hardness as CaCO3	160	mg/L			1.0	SM 2340 B	07/19/04	1154	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	07/26/04	1024	KB
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	07/16/04	1542	RM
Radium 226	78.0±6.2	pCi/L			0.2	SM 7500 Ra-B	07/20/04	1714	JN
Silica as SiO2	8.48	mg/L			0.10	EPA 200.7	07/19/04	1113	MH
Sodium Adsorption Ratio	3.2				N/A	Calculations	07/19/04	1154	
Anions									
Bicarbonate as HCO3	146	mg/L	2.40	meq/L	1.0	SM 2320 B	07/15/04	1810	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1810	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1810	JG
Chloride	10.8	mg/L	0.30	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	07/15/04	1810	JG
Nitrate + Nitrite as N	5.4	mg/L	0.39	meq/L	0.1	EPA 353.2	07/20/04	0755	KB
Sulfate	204	mg/L	4.24	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Cations									
Calcium	53.3	mg/L	2.66	meq/L	1.0	EPA 200.7	07/19/04	1154	MH
Magnesium	6.5	mg/L	0.54	meq/L	1.0	EPA 200.7	07/19/04	1154	MH
Potassium	1.2	mg/L	0.03	meq/L	1.0	EPA 200.7	07/19/04	1154	MH
Sodium	92.2	mg/L	4.01	meq/L	0.20	EPA 200.7	07/19/04	1154	MH
Cations			7.24	meq/L	N/A	SM 1030 F.	07/19/04	1154	
Anions			7.33	meq/L	N/A	SM 1030 F.	07/20/04	0755	
Cation/Anion Balance			0.62	%	N/A	SM 1030 F.	07/19/04	1154	

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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2U38-1
Lab ID: 0104W11580
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	07/19/04	1154	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	07/16/04	1245	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	07/16/04	1245	MS
Boron	0.03	mg/L		0.01	EPA 200.7	07/19/04	1154	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	07/16/04	1245	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1154	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	07/16/04	1245	MS
Iron	0.52	mg/L		0.05	EPA 200.7	07/19/04	1154	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1245	MS
Manganese	0.33	mg/L		0.02	EPA 200.7	07/19/04	1154	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/20/04	0906	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1245	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1154	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	07/16/04	1245	MS
Uranium	0.0070	mg/L		0.0001	EPA 200.8	07/16/04	1245	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	07/16/04	1245	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1154	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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2T46-1
Lab ID: 0104W11581
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	8.0	s.u.			0.1	EPA 150.1	07/15/04	1822	JG
Lab Conductivity @ 25°C	642	µmhos/cm			5	SM 2510 B	07/15/04	1822	JG
Total Dissolved Solids @ 180°C	430	mg/L			10	SM 2540 C	07/15/04	1500	KA
Total Dissolved Solids(Calc)	380	mg/L			10	SM 1030 F.	07/20/04	0756	
Total Alkalinity as CaCO3	220	mg/L			1	SM 2320 B	07/15/04	1822	JG
Total Hardness as CaCO3	204	mg/L			1.0	SM 2340 B	07/19/04	1158	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	07/26/04	1025	KB
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	07/16/04	1543	RM
Radium 226	371±14	pCi/L			0.2	SM 7500 Ra-B	07/20/04	1714	JN
Silica as SiO2	9.49	mg/L			0.10	EPA 200.7	07/19/04	1113	MH
Sodium Adsorption Ratio	1.9				N/A	Calculations	07/19/04	1158	
Anions									
Bicarbonate as HCO3	268	mg/L	4.40	meq/L	1.0	SM 2320 B	07/15/04	1822	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1822	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1822	JG
Chloride	2.6	mg/L	0.07	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	07/15/04	1822	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	07/20/04	0756	KB
Sulfate	109	mg/L	2.27	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Cations									
Calcium	67.2	mg/L	3.35	meq/L	1.0	EPA 200.7	07/19/04	1158	MH
Magnesium	8.9	mg/L	0.73	meq/L	1.0	EPA 200.7	07/19/04	1158	MH
Potassium	1.4	mg/L	0.04	meq/L	1.0	EPA 200.7	07/19/04	1158	MH
Sodium	62.0	mg/L	2.70	meq/L	0.20	EPA 200.7	07/19/04	1158	MH
Cations			6.82	meq/L	N/A	SM 1030 F.	07/19/04	1158	
Anions			6.74	meq/L	N/A	SM 1030 F.	07/20/04	0756	
Cation/Anion Balance			0.59	%	N/A	SM 1030 F.	07/19/04	1158	

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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2T46-1
Lab ID: 0104W11581
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	07/19/04	1158	MH
Arsenic	0.009	mg/L		0.005	EPA 200.8	07/16/04	1248	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	07/16/04	1248	MS
Boron	0.02	mg/L		0.01	EPA 200.7	07/19/04	1158	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	07/16/04	1248	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1158	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	07/16/04	1248	MS
Iron	0.59	mg/L		0.05	EPA 200.7	07/19/04	1158	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1248	MS
Manganese	0.17	mg/L		0.02	EPA 200.7	07/19/04	1158	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/20/04	0906	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1248	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1158	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	07/16/04	1248	MS
Uranium	0.147	mg/L		0.0001	EPA 200.8	07/16/04	1248	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	07/16/04	1248	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1158	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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2U52-1
Lab ID: 0104W11582
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.7	s.u.			0.1	EPA 150.1	07/15/04	1835	JG
Lab Conductivity @ 25°C	918	µmhos/cm			5	SM 2510 B	07/15/04	1835	JG
Total Dissolved Solids @ 180°C	660	mg/L			10	SM 2540 C	07/15/04	1500	KA
Total Dissolved Solids(Calc)	610	mg/L			10	SM 1030 F.	07/20/04	0757	
Total Alkalinity as CaCO3	183	mg/L			1	SM 2320 B	07/15/04	1835	JG
Total Hardness as CaCO3	337	mg/L			1.0	SM 2340 B	07/19/04	1205	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	07/26/04	1026	KB
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	07/16/04	1550	RM
Radium 226	92.1±7.1	pCi/L			0.2	SM 7500 Ra-B	07/20/04	1714	JN
Silica as SiO2	7.32	mg/L			0.10	EPA 200.7	07/19/04	1113	MH
Sodium Adsorption Ratio	1.8				N/A	Calculations	07/19/04	1205	
Anions									
Bicarbonate as HCO3	223	mg/L	3.65	meq/L	1.0	SM 2320 B	07/15/04	1835	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1835	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1835	JG
Chloride	3.0	mg/L	0.08	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	07/15/04	1835	JG
Nitrate + Nitrite as N	<0.1	mg/L	0.01	meq/L	0.1	EPA 353.2	07/20/04	0757	KB
Sulfate	292	mg/L	6.07	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Cations									
Calcium	121	mg/L	6.02	meq/L	1.0	EPA 200.7	07/19/04	1205	MH
Magnesium	8.7	mg/L	0.72	meq/L	1.0	EPA 200.7	07/19/04	1205	MH
Potassium	1.1	mg/L	0.03	meq/L	1.0	EPA 200.7	07/19/04	1205	MH
Sodium	75.9	mg/L	3.30	meq/L	0.20	EPA 200.7	07/19/04	1205	MH
Cations			10.07	meq/L	N/A	SM 1030 F.	07/19/04	1205	
Anions			9.80	meq/L	N/A	SM 1030 F.	07/20/04	0757	
Cation/Anion Balance			1.36	%	N/A	SM 1030 F.	07/19/04	1205	

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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2U52-1
Lab ID: 0104W11582
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	07/19/04	1205	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	07/16/04	1301	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	07/16/04	1301	MS
Boron	0.04	mg/L		0.01	EPA 200.7	07/19/04	1205	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	07/16/04	1301	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1205	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	07/16/04	1301	MS
Iron	0.86	mg/L		0.05	EPA 200.7	07/19/04	1205	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1301	MS
Manganese	2.13	mg/L		0.02	EPA 200.7	07/19/04	1205	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/20/04	0906	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1301	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1205	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	07/16/04	1301	MS
Uranium	0.0114	mg/L		0.0001	EPA 200.8	07/16/04	1301	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	07/16/04	1301	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1205	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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2V56-1
Lab ID: 0104W11583
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.5	s.u.			0.1	EPA 150.1	07/15/04	1847	JG
Lab Conductivity @ 25°C	1,510	µmhos/cm			5	SM 2510 B	07/15/04	1847	JG
Total Dissolved Solids @ 180°C	1,030	mg/L			10	SM 2540 C	07/15/04	1500	KA
Total Dissolved Solids(Calc)	990	mg/L			10	SM 1030 F.	07/20/04	0804	
Total Alkalinity as CaCO3	347	mg/L			1	SM 2320 B	07/15/04	1847	JG
Total Hardness as CaCO3	302	mg/L			1.0	SM 2340 B	07/19/04	1209	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	07/26/04	1027	KB
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	07/16/04	1551	RM
Radium 226	279±13	pCi/L			0.2	SM 7500 Ra-B	07/20/04	1714	JN
Silica as SiO2	15.0	mg/L			0.10	EPA 200.7	07/19/04	1113	MH
Sodium Adsorption Ratio	6.4				N/A	Calculations	07/19/04	1209	
Anions									
Bicarbonate as HCO3	423	mg/L	6.94	meq/L	1.0	SM 2320 B	07/15/04	1847	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1847	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1847	JG
Chloride	51.8	mg/L	1.46	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	07/15/04	1847	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	07/20/04	0804	KB
Sulfate	359	mg/L	7.47	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Cations									
Calcium	92.1	mg/L	4.60	meq/L	1.0	EPA 200.7	07/19/04	1209	MH
Magnesium	17.5	mg/L	1.44	meq/L	1.0	EPA 200.7	07/19/04	1209	MH
Potassium	2.9	mg/L	0.07	meq/L	1.0	EPA 200.7	07/19/04	1209	MH
Sodium	257	mg/L	11.18	meq/L	0.20	EPA 200.7	07/19/04	1209	MH
Cations			17.29	meq/L	N/A	SM 1030 F.	07/19/04	1209	
Anions			15.87	meq/L	N/A	SM 1030 F.	07/20/04	0804	
Cation/Anion Balance			4.28	%	N/A	SM 1030 F.	07/19/04	1209	

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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2V56-1
Lab ID: 0104W11583
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	07/19/04	1209	MH
Arsenic	0.012	mg/L		0.005	EPA 200.8	07/16/04	1303	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	07/16/04	1303	MS
Boron	0.03	mg/L		0.01	EPA 200.7	07/19/04	1209	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	07/16/04	1303	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1209	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	07/16/04	1303	MS
Iron	1.04	mg/L		0.05	EPA 200.7	07/19/04	1209	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1303	MS
Manganese	0.36	mg/L		0.02	EPA 200.7	07/19/04	1209	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/20/04	0906	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1303	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1209	MH
Selenium	0.007	mg/L		0.005	EPA 200.8	07/16/04	1303	MS
Uranium	0.316	mg/L		0.0001	EPA 200.8	07/16/04	1303	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	07/16/04	1303	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1209	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: Misc.
Sample ID: 2V56-1
Lab ID: 0104W11583
Matrix: Water
Condition: Cool/Intact

Report Date: 08/02/04
Receipt Date: 07/14/04
Sample Date: 07/14/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
General Parameters					
Lab pH	7.5	7.5	0	0.1	s.u.
Lab Conductivity @ 25°C	1,510	1,510	0	5	µmhos/cm
Total Dissolved Solids @ 180°C	1,030	1,050	2	10	mg/L
Total Dissolved Solids(Calc)	990	980	1	10	mg/L
Total Alkalinity as CaCO3	347	348	0	1	mg/L
Total Hardness as CaCO3	302	299	1	1.0	mg/L
Ammonia Nitrogen	<0.1	<0.1	NC*	0.1	mg/L
Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Radium 226	279±13	336±13	19	0.2	pCi/L
Silica as SiO2	15.0	15.0	0	0.10	mg/L
Sodium Adsorption Ratio	6.4	6.4	0		
Anions					
Bicarbonate as HCO3	423	425	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	51.8	51.2	1	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	359	355	1	1.0	mg/L
Cations					
Calcium	92.1	91.5	1	1.0	mg/L
Magnesium	17.5	17.3	1	1.0	mg/L
Potassium	2.9	2.9	0.0**	1.0	mg/L
Sodium	257	254	1	0.20	mg/L
Cations	17.29	17.08	1		meq/L
Anions	15.87	15.79	1		meq/L
Cation/Anion Balance	4.28	3.92			%

*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: Misc.
Sample ID: 2V56-1
Lab ID: 0104W11583
Matrix: Water
Condition: Cool/Intact

Report Date: 08/02/04
Receipt Date: 07/14/04
Sample Date: 07/14/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
Dissolved Metals					
Aluminum	<0.1	<0.1	NC*	0.1	mg/L
Arsenic	0.012	0.010	0.002**	0.005	mg/L
Barium	<0.5	<0.5	NC*	0.5	mg/L
Boron	0.03	0.03	0.00**	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	1.04	1.04	0	0.05	mg/L
Lead	<0.02	<0.02	NC*	0.02	mg/L
Manganese	0.36	0.36	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	0.007	0.006	0.001**	0.005	mg/L
Uranium	0.316	0.321	2	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: 010411572

WATER QUALITY REPORT

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

Project: Misc.
Sample ID: 2W50-1
Lab ID: 0104W11584
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.8	s.u.			0.1	EPA 150.1	07/15/04	1913	JG
Lab Conductivity @ 25°C	664	µmhos/cm			5	SM 2510 B	07/15/04	1913	JG
Total Dissolved Solids @ 180°C	460	mg/L			10	SM 2540 C	07/15/04	1500	KA
Total Dissolved Solids(Calc)	420	mg/L			10	SM 1030 F.	07/20/04	0806	
Total Alkalinity as CaCO3	139	mg/L			1	SM 2320 B	07/15/04	1913	JG
Total Hardness as CaCO3	181	mg/L			1.0	SM 2340 B	07/19/04	1216	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	07/26/04	1034	KB
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	07/16/04	1553	RM
Radium 226	60.2±5.5	pCi/L			0.2	SM 7500 Ra-B	07/20/04	1714	JN
Silica as SiO2	9.21	mg/L			0.10	EPA 200.7	07/19/04	1113	MH
Sodium Adsorption Ratio	2.5				N/A	Calculations	07/19/04	1216	
Anions									
Bicarbonate as HCO3	170	mg/L	2.78	meq/L	1.0	SM 2320 B	07/15/04	1913	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1913	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/15/04	1913	JG
Chloride	4.1	mg/L	0.11	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	07/15/04	1913	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	07/20/04	0806	KB
Sulfate	184	mg/L	3.83	meq/L	1.0	EPA 300.0	07/19/04	0735	LK
Cations									
Calcium	58.8	mg/L	2.93	meq/L	1.0	EPA 200.7	07/19/04	1216	MH
Magnesium	8.3	mg/L	0.68	meq/L	1.0	EPA 200.7	07/19/04	1216	MH
Potassium	1.1	mg/L	0.03	meq/L	1.0	EPA 200.7	07/19/04	1216	MH
Sodium	75.7	mg/L	3.29	meq/L	0.20	EPA 200.7	07/19/04	1216	MH
Cations			6.93	meq/L	N/A	SM 1030 F.	07/19/04	1216	
Anions			6.72	meq/L	N/A	SM 1030 F.	07/20/04	0806	
Cation/Anion Balance			1.54	%	N/A	SM 1030 F.	07/19/04	1216	

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: 010411572

WATER QUALITY REPORT

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

Project: **Misc.**
Sample ID: 2W50-1
Lab ID: 0104W11584
Matrix: Water
Condition: Cool/Intact

Date Received: 07/14/04
Date Reported: 08/02/04
Date Sampled: 07/14/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	07/19/04	1216	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	07/16/04	1309	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	07/16/04	1309	MS
Boron	0.03	mg/L		0.01	EPA 200.7	07/19/04	1216	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	07/16/04	1309	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1216	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	07/16/04	1309	MS
Iron	1.44	mg/L		0.05	EPA 200.7	07/19/04	1216	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1309	MS
Manganese	0.34	mg/L		0.02	EPA 200.7	07/19/04	1216	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/20/04	0906	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	07/16/04	1309	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1216	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	07/16/04	1309	MS
Uranium	0.0270	mg/L		0.0001	EPA 200.8	07/16/04	1309	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	07/16/04	1309	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	07/19/04	1216	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 10-12-04 Received by Kevin Anderson Date 10-12-04 @ 1650

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 MU2 #/ 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	2AE30-1	10-12-04	Half Gal.	X		X		10143-001	
			Quart	X					"
			8 ozs.		X				"
			8 ozs.	X			X		"
2	2AE16-1		**	**	**	**	**		002
3	2AG26-1		**	**	**	**	**		003
4	2AF34-1		**	**	**	**	**		004
5	2AG31-1		**	**	**	**	**		005
6	2AD29-1		**	**	**	**	**		006
7	2X54-1		**	**	**	**	**		007
8	2W52-1		**	**	**	**	**		008
9	2T46-1		**	**	**	**	**		009
10	2W50-1		**	**	**	**	**		010
11	2V56-1		**	**	**	**	**		011
12	2W38-1		**	**	**	**	**		012
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: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-001
Client Sample ID 2AI30-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	10/13/2004 1723 JG	EPA 150.1
Electrical Conductivity	640	5		µmhos/cm	10/13/2004 1723 JG	SM 2510B
Total Dissolved Solids (180)	460	10		mg/L	10/14/2004 944 KA	SM 2540
Solids, Total Dissolved (Calc)	420	10		mg/L	10/27/2004 1207 WN	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	229	5		mg/L	10/13/2004 1723 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	209	1		mg/L	10/27/2004 1207 WN	SM 2340B
Nitrogen, Ammonia (As N)	0.2	0.1		mg/L	10/14/2004 1207 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1505 RM	EPA 353.2
Radium 226	308.0±9.3	0.2		pCi/L	10/15/2004 000 TWP	SM 7500 RA B
Silica as SiO2	8.9	0.1		mg/L	10/15/2004 705 MH	EPA 200.7
Sodium Adsorption Ratio	2.2	0.1			10/27/2004 1207 WN	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	280	5		mg/L	10/13/2004 1723 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/13/2004 1723 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/13/2004 1723 JG	SM 2320B
Chloride	2	1		mg/L	10/14/2004 1436 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/13/2004 1723 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1138 RM	EPA 353.2
Sulfate	125	1		mg/L	10/14/2004 1436 LK	EPA 300.0
Cations						
Calcium	74	1		mg/L	10/15/2004 705 MH	EPA 200.7
Magnesium	6	1		mg/L	10/15/2004 705 MH	EPA 200.7
Potassium	1	1		mg/L	10/15/2004 705 MH	EPA 200.7
Sodium	72	1		mg/L	10/15/2004 705 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-001
Client Sample ID 2AI30-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.58	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Chloride	0.06	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Fluoride	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sulfate	2.59	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Calcium	3.68	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Magnesium	0.48	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Potassium	0.02	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sodium	3.12	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Cation / Anion Balance						
Cation Sum	7.32	0		meq/L	10/27/2004 1207 WN	SM 1030F
Anion Sum	7.25	0		meq/L	10/27/2004 1207 WN	SM 1030F
Cation-Anion Balance	0.49	0		%	10/27/2004 1207 WN	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 705 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 857 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 857 MS	EPA 200.8
Boron	0.09	0.03		mg/L	10/15/2004 705 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 857 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 705 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 857 MS	EPA 200.8
Iron	0.48	0.05		mg/L	10/15/2004 705 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 857 MS	EPA 200.8
Manganese	0.91	0.02		mg/L	10/15/2004 705 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 936 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 857 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 705 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/20/2004 857 MS	EPA 200.8
Uranium	0.263	0.0001		mg/L	10/20/2004 857 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 857 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 705 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-002
Client Sample ID 2AE16-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	10/13/2004 1736 JG	EPA 150.1
Electrical Conductivity	709	5		µmhos/cm	10/13/2004 1736 JG	SM 2510B
Total Dissolved Solids (180)	520	10		mg/L	10/14/2004 949 KA	SM 2540
Solids, Total Dissolved (Calc)	470	10		mg/L	10/27/2004 1207 WN	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	190	5		mg/L	10/13/2004 1736 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	208	1		mg/L	10/27/2004 1207 WN	SM 2340B
Nitrogen, Ammonia (As N)	0.1	0.1		mg/L	10/14/2004 1208 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1506 RM	EPA 353.2
Radium 226	110.3±5.5	0.2		pCi/L	10/15/2004 000 TWP	SM 7500 RA B
Silica as SiO2	8.7	0.1		mg/L	10/15/2004 712 MH	EPA 200.7
Sodium Adsorption Ratio	2.6	0.1			10/27/2004 1207 WN	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	232	5		mg/L	10/13/2004 1736 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/13/2004 1736 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/13/2004 1736 JG	SM 2320B
Chloride	6	1		mg/L	10/14/2004 1449 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/13/2004 1736 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1139 RM	EPA 353.2
Sulfate	181	1		mg/L	10/14/2004 1449 LK	EPA 300.0
Cations						
Calcium	71	1		mg/L	10/15/2004 712 MH	EPA 200.7
Magnesium	8	1		mg/L	10/15/2004 712 MH	EPA 200.7
Potassium	1	1		mg/L	10/15/2004 712 MH	EPA 200.7
Sodium	85	1		mg/L	10/15/2004 712 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-002
Client Sample ID 2AE16-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.80	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Chloride	0.18	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Fluoride	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sulfate	3.77	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Calcium	3.52	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Magnesium	0.64	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Potassium	0.02	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sodium	3.71	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Cation / Anion Balance						
Cation Sum	7.90	0		meq/L	10/27/2004 1207 WN	SM 1030F
Anion Sum	7.76	0		meq/L	10/27/2004 1207 WN	SM 1030F
Cation-Anion Balance	0.92	0		%	10/27/2004 1207 WN	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 712 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 905 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 905 MS	EPA 200.8
Boron	0.06	0.03		mg/L	10/15/2004 712 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 905 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 712 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 905 MS	EPA 200.8
Iron	0.47	0.05		mg/L	10/15/2004 712 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 905 MS	EPA 200.8
Manganese	0.41	0.02		mg/L	10/15/2004 712 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 938 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 905 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 712 MH	EPA 200.7
Selenium	0.006	0.005		mg/L	10/20/2004 905 MS	EPA 200.8
Uranium	0.0860	0.0001		mg/L	10/20/2004 905 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 905 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 712 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-003
Client Sample ID 2AG26-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	10/13/2004 1749 JG	EPA 150.1
Electrical Conductivity	869	5		µmhos/cm	10/13/2004 1749 JG	SM 2510B
Total Dissolved Solids (180)	680	10		mg/L	10/14/2004 954 KA	SM 2540
Solids, Total Dissolved (Calc)	600	10		mg/L	10/27/2004 1207 WN	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	222	5		mg/L	10/13/2004 1749 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	360	1		mg/L	10/27/2004 1207 WN	SM 2340B
Nitrogen, Ammonia (As N)	0.1	0.1		mg/L	10/14/2004 1209 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1507 RM	EPA 353.2
Radium 226	222.4±7.8	0.2		pCi/L	10/15/2004 000 TWP	SM 7500 RA B
Silica as SiO2	15.1	0.1		mg/L	10/15/2004 716 MH	EPA 200.7
Sodium Adsorption Ratio	1.6	0.1			10/27/2004 1207 WN	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	271	5		mg/L	10/13/2004 1749 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/13/2004 1749 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/13/2004 1749 JG	SM 2320B
Chloride	3	1		mg/L	10/14/2004 1502 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/13/2004 1749 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1140 RM	EPA 353.2
Sulfate	288	1		mg/L	10/27/2004 957 LK	EPA 300.0
Cations						
Calcium	127	1		mg/L	10/15/2004 716 MH	EPA 200.7
Magnesium	11	1		mg/L	10/15/2004 716 MH	EPA 200.7
Potassium	1	1		mg/L	10/25/2004 657 MH	EPA 200.7
Sodium	69	1		mg/L	10/15/2004 716 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-003
Client Sample ID 2AG26-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.44	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Chloride	0.09	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Fluoride	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sulfate	5.26	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Calcium	6.33	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Magnesium	0.89	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Potassium	0.04	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sodium	2.98	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Cation / Anion Balance						
Cation Sum	10.21	0		meq/L	10/27/2004 1207 WN	SM 1030F
Anion Sum	9.79	0		meq/L	10/27/2004 1207 WN	SM 1030F
Cation-Anion Balance	2.06	0		%	10/27/2004 1207 WN	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 716 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 908 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 908 MS	EPA 200.8
Boron	0.08	0.03		mg/L	10/15/2004 716 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 908 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 716 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 908 MS	EPA 200.8
Iron	0.06	0.05		mg/L	10/15/2004 716 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 908 MS	EPA 200.8
Manganese	0.96	0.02		mg/L	10/15/2004 716 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 939 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 908 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 716 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/20/2004 908 MS	EPA 200.8
Uranium	0.0178	0.0001		mg/L	10/20/2004 908 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 908 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 716 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-004
Client Sample ID 2AF34-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	10/13/2004 1802 JG	EPA 150.1
Electrical Conductivity	592	5		µmhos/cm	10/13/2004 1802 JG	SM 2510B
Total Dissolved Solids (180)	410	10		mg/L	10/14/2004 959 KA	SM 2540
Solids, Total Dissolved (Calc)	370	10		mg/L	10/27/2004 1207 WN	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	158	5		mg/L	10/13/2004 1802 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	88	1		mg/L	10/27/2004 1207 WN	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/14/2004 1210 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1508 RM	EPA 353.2
Radium 226	253.9±8.3	0.2		pCi/L	10/15/2004 000 TWP	SM 7500 RA B
Silica as SiO2	11.9	0.1		mg/L	10/15/2004 723 MH	EPA 200.7
Sodium Adsorption Ratio	4.6	0.1			10/27/2004 1207 WN	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	193	5		mg/L	10/13/2004 1802 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/13/2004 1802 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/13/2004 1802 JG	SM 2320B
Chloride	6	1		mg/L	10/14/2004 1515 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/13/2004 1802 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1141 RM	EPA 353.2
Sulfate	132	1		mg/L	10/14/2004 1515 LK	EPA 300.0
Cations						
Calcium	28	1		mg/L	10/15/2004 723 MH	EPA 200.7
Magnesium	4	1		mg/L	10/15/2004 723 MH	EPA 200.7
Potassium	1	1		mg/L	10/15/2004 723 MH	EPA 200.7
Sodium	100	1		mg/L	10/15/2004 723 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-004
Client Sample ID 2AF34-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.16	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Chloride	0.17	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Fluoride	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sulfate	2.74	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Calcium	1.40	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Magnesium	0.35	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Potassium	0.03	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sodium	4.35	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Cation / Anion Balance						
Cation Sum	6.14	0		meq/L	10/27/2004 1207 WN	SM 1030F
Anion Sum	6.08	0		meq/L	10/27/2004 1207 WN	SM 1030F
Cation-Anion Balance	0.47	0		%	10/27/2004 1207 WN	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 723 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 910 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 910 MS	EPA 200.8
Boron	0.07	0.03		mg/L	10/15/2004 723 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 910 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 723 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 910 MS	EPA 200.8
Iron	1.00	0.05		mg/L	10/15/2004 723 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 910 MS	EPA 200.8
Manganese	0.19	0.02		mg/L	10/15/2004 723 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 941 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 910 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 723 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/20/2004 910 MS	EPA 200.8
Uranium	0.338	0.0001		mg/L	10/20/2004 910 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 910 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 723 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-005
Client Sample ID 2AG31-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.4	0.1		s.u.	10/13/2004 1813 JG	EPA 150.1
Electrical Conductivity	738	5		µmhos/cm	10/13/2004 1813 JG	SM 2510B
Total Dissolved Solids (180)	560	10		mg/L	10/14/2004 1009 KA	SM 2540
Solids, Total Dissolved (Calc)	490	10		mg/L	10/27/2004 1207 WN	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	69	5		mg/L	10/13/2004 1813 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	146	1		mg/L	10/27/2004 1207 WN	SM 2340B
Nitrogen, Ammonia (As N)	0.1	0.1		mg/L	10/14/2004 1211 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1509 RM	EPA 353.2
Radium 226	106.8±5.6	0.2		pCi/L	10/15/2004 000 TWP	SM 7500 RA B
Silica as SiO2	16.5	0.1		mg/L	10/15/2004 727 MH	EPA 200.7
Sodium Adsorption Ratio	3.8	0.1			10/27/2004 1207 WN	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	85	5		mg/L	10/13/2004 1813 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/13/2004 1813 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/13/2004 1813 JG	SM 2320B
Chloride	3	1		mg/L	10/14/2004 1618 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/13/2004 1813 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1142 RM	EPA 353.2
Sulfate	288	1		mg/L	10/14/2004 1618 LK	EPA 300.0
Cations						
Calcium	45	1		mg/L	10/15/2004 727 MH	EPA 200.7
Magnesium	8	1		mg/L	10/15/2004 727 MH	EPA 200.7
Potassium	1	1		mg/L	10/15/2004 727 MH	EPA 200.7
Sodium	106	1		mg/L	10/15/2004 727 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-005
Client Sample ID 2AG31-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.38	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Chloride	0.08	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Fluoride	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sulfate	5.99	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Calcium	2.26	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Magnesium	0.66	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Potassium	0.03	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sodium	4.59	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Cation / Anion Balance						
Cation Sum	7.55	0		meq/L	10/27/2004 1207 WN	SM 1030F
Anion Sum	7.47	0		meq/L	10/27/2004 1207 WN	SM 1030F
Cation-Anion Balance	0.54	0		%	10/27/2004 1207 WN	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 727 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 913 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 913 MS	EPA 200.8
Boron	0.06	0.03		mg/L	10/15/2004 727 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 913 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 727 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 913 MS	EPA 200.8
Iron	0.61	0.05		mg/L	10/15/2004 727 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 913 MS	EPA 200.8
Manganese	0.22	0.02		mg/L	10/15/2004 727 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 943 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 913 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 727 MH	EPA 200.7
Selenium	0.009	0.005		mg/L	10/20/2004 913 MS	EPA 200.8
Uranium	0.0118	0.0001		mg/L	10/20/2004 913 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 913 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 727 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-006
Client Sample ID 2AD29-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.5	0.1		s.u.	10/13/2004 1827 JG	EPA 150.1
Electrical Conductivity	1270	5		µmhos/cm	10/13/2004 1827 JG	SM 2510B
Total Dissolved Solids (180)	970	10		mg/L	10/14/2004 1014 KA	SM 2540
Solids, Total Dissolved (Calc)	880	10		mg/L	10/27/2004 1207 WN	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	317	5		mg/L	10/13/2004 1827 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	245	1		mg/L	10/27/2004 1207 WN	SM 2340B
Nitrogen, Ammonia (As N)	0.1	0.1		mg/L	10/14/2004 1212 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1510 RM	EPA 353.2
Radium 226	203.0±7.6	0.2		pCi/L	10/15/2004 000 TWP	SM 7500 RA B
Silica as SiO2	16.3	0.1		mg/L	10/15/2004 731 MH	EPA 200.7
Sodium Adsorption Ratio	6.1	0.1			10/27/2004 1207 WN	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	387	5		mg/L	10/13/2004 1827 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/13/2004 1827 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/13/2004 1827 JG	SM 2320B
Chloride	17	1		mg/L	10/14/2004 1631 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/13/2004 1827 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1143 RM	EPA 353.2
Sulfate	365	1		mg/L	10/14/2004 1631 LK	EPA 300.0
Cations						
Calcium	70	1		mg/L	10/15/2004 731 MH	EPA 200.7
Magnesium	17	1		mg/L	10/15/2004 731 MH	EPA 200.7
Potassium	3	1		mg/L	10/15/2004 731 MH	EPA 200.7
Sodium	220	1		mg/L	10/15/2004 731 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-006
Client Sample ID 2AD29-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	6.35	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Chloride	0.46	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Fluoride	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sulfate	7.60	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Calcium	3.50	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Magnesium	1.38	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Potassium	0.06	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sodium	9.55	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Cation / Anion Balance						
Cation Sum	14.51	0		meq/L	10/27/2004 1207 WN	SM 1030F
Anion Sum	14.41	0		meq/L	10/27/2004 1207 WN	SM 1030F
Cation-Anion Balance	0.32	0		%	10/27/2004 1207 WN	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 731 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 916 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 916 MS	EPA 200.8
Boron	0.07	0.03		mg/L	10/15/2004 731 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 916 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 731 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 916 MS	EPA 200.8
Iron	1.18	0.05		mg/L	10/15/2004 731 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 916 MS	EPA 200.8
Manganese	0.33	0.02		mg/L	10/15/2004 731 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 945 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 916 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 731 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/20/2004 916 MS	EPA 200.8
Uranium	0.0739	0.0001		mg/L	10/20/2004 916 MS	EPA 200.8
Vanadium	0.03	0.02		mg/L	10/20/2004 916 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 731 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-007
Client Sample ID 2X54-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	10/13/2004 1840 JG	EPA 150.1
Electrical Conductivity	877	5		µmhos/cm	10/13/2004 1840 JG	SM 2510B
Total Dissolved Solids (180)	650	10		mg/L	10/14/2004 1019 KA	SM 2540
Solids, Total Dissolved (Calc)	590	10		mg/L	10/27/2004 1207 WN	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	307	5		mg/L	10/13/2004 1840 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	242	1		mg/L	10/27/2004 1207 WN	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/14/2004 1213 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1511 RM	EPA 353.2
Radium 226	585±13	0.2		pCi/L	10/15/2004 000 TWP	SM 7500 RA B
Silica as SiO2	17.0	0.1		mg/L	10/15/2004 735 MH	EPA 200.7
Sodium Adsorption Ratio	3.4	0.1			10/27/2004 1207 WN	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	375	5		mg/L	10/13/2004 1840 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/13/2004 1840 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/13/2004 1840 JG	SM 2320B
Chloride	10	1		mg/L	10/14/2004 1644 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/13/2004 1840 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1144 RM	EPA 353.2
Sulfate	177	1		mg/L	10/14/2004 1644 LK	EPA 300.0
Cations						
Calcium	81	1		mg/L	10/15/2004 735 MH	EPA 200.7
Magnesium	10	1		mg/L	10/15/2004 735 MH	EPA 200.7
Potassium	2	1		mg/L	10/15/2004 735 MH	EPA 200.7
Sodium	122	1		mg/L	10/15/2004 735 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-007
Client Sample ID 2X54-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	6.14	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Chloride	0.27	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Fluoride	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sulfate	3.67	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Calcium	4.02	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Magnesium	0.80	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Potassium	0.04	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sodium	5.30	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Cation / Anion Balance						
Cation Sum	10.18	0		meq/L	10/27/2004 1207 WN	SM 1030F
Anion Sum	10.10	0		meq/L	10/27/2004 1207 WN	SM 1030F
Cation-Anion Balance	0.39	0		%	10/27/2004 1207 WN	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 735 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 918 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 918 MS	EPA 200.8
Boron	0.06	0.03		mg/L	10/15/2004 735 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 918 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 735 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 918 MS	EPA 200.8
Iron	0.51	0.05		mg/L	10/15/2004 735 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 918 MS	EPA 200.8
Manganese	0.18	0.02		mg/L	10/15/2004 735 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 947 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 918 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 735 MH	EPA 200.7
Selenium	0.008	0.005		mg/L	10/20/2004 918 MS	EPA 200.8
Uranium	0.243	0.0001		mg/L	10/20/2004 918 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 918 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 735 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-008
Client Sample ID 2U52-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	10/13/2004 1853 JG	EPA 150.1
Electrical Conductivity	817	5		µmhos/cm	10/13/2004 1853 JG	SM 2510B
Total Dissolved Solids (180)	640	10		mg/L	10/14/2004 1024 KA	SM 2540
Solids, Total Dissolved (Calc)	570	10		mg/L	10/27/2004 1207 WN	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	207	5		mg/L	10/13/2004 1853 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	320	1		mg/L	10/27/2004 1207 WN	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/14/2004 1214 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1512 RM	EPA 353.2
Radium 226	132.5±6.1	0.2		pCi/L	10/15/2004 000 TWP	SM 7500 RA B
Silica as SiO2	7.4	0.1		mg/L	10/15/2004 750 MH	EPA 200.7
Sodium Adsorption Ratio	1.7	0.1			10/27/2004 1207 WN	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	253	5		mg/L	10/13/2004 1853 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/13/2004 1853 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/13/2004 1853 JG	SM 2320B
Chloride	3	1		mg/L	10/14/2004 1657 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/13/2004 1853 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1145 RM	EPA 353.2
Sulfate	247	1		mg/L	10/14/2004 1657 LK	EPA 300.0
Cations						
Calcium	114	1		mg/L	10/15/2004 750 MH	EPA 200.7
Magnesium	9	1		mg/L	10/15/2004 750 MH	EPA 200.7
Potassium	ND	1		mg/L	10/15/2004 750 MH	EPA 200.7
Sodium	72	1		mg/L	10/15/2004 750 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-008
Client Sample ID 2U52-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.15	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Chloride	0.09	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Fluoride	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sulfate	5.14	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Calcium	5.69	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Magnesium	0.71	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Potassium	0.02	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sodium	3.12	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Cation / Anion Balance						
Cation Sum	9.55	0		meq/L	10/27/2004 1207 WN	SM 1030F
Anion Sum	9.38	0		meq/L	10/27/2004 1207 WN	SM 1030F
Cation-Anion Balance	0.91	0		%	10/27/2004 1207 WN	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 750 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 921 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 921 MS	EPA 200.8
Boron	0.08	0.03		mg/L	10/15/2004 750 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 921 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 750 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 921 MS	EPA 200.8
Iron	0.48	0.05		mg/L	10/15/2004 750 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 921 MS	EPA 200.8
Manganese	2.02	0.02		mg/L	10/15/2004 750 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 948 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 921 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 750 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/20/2004 921 MS	EPA 200.8
Uranium	0.0078	0.0001		mg/L	10/20/2004 921 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 921 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 750 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-009
Client Sample ID 2T46-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	10/13/2004 1906 JG	EPA 150.1
Electrical Conductivity	587	5		µmhos/cm	10/13/2004 1906 JG	SM 2510B
Total Dissolved Solids (180)	410	10		mg/L	10/14/2004 1029 KA	SM 2540
Solids, Total Dissolved (Calc)	370	10		mg/L	10/27/2004 1207 WN	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	220	5		mg/L	10/13/2004 1906 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	193	1		mg/L	10/27/2004 1207 WN	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/14/2004 1215 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1513 RM	EPA 353.2
Radium 226	255.4±8.4	0.2		pCi/L	10/15/2004 000 TWP	SM 7500 RA B
Silica as SiO2	9.6	0.1		mg/L	10/15/2004 753 MH	EPA 200.7
Sodium Adsorption Ratio	2.0	0.1			10/27/2004 1207 WN	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	268	5		mg/L	10/13/2004 1906 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/13/2004 1906 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/13/2004 1906 JG	SM 2320B
Chloride	2	1		mg/L	10/14/2004 1710 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/13/2004 1906 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1154 RM	EPA 353.2
Sulfate	102	1		mg/L	10/14/2004 1710 LK	EPA 300.0
Cations						
Calcium	63	1		mg/L	10/15/2004 753 MH	EPA 200.7
Magnesium	9	1		mg/L	10/15/2004 753 MH	EPA 200.7
Potassium	1	1		mg/L	10/15/2004 753 MH	EPA 200.7
Sodium	63	1		mg/L	10/15/2004 753 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-009
Client Sample ID 2T46-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.39	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Chloride	0.06	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Fluoride	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sulfate	2.12	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Calcium	3.16	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Magnesium	0.70	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Potassium	0.03	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sodium	2.74	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Cation / Anion Balance						
Cation Sum	6.64	0		meq/L	10/27/2004 1207 WN	SM 1030F
Anion Sum	6.59	0		meq/L	10/27/2004 1207 WN	SM 1030F
Cation-Anion Balance	0.37	0		%	10/27/2004 1207 WN	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 753 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 923 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 923 MS	EPA 200.8
Boron	0.06	0.03		mg/L	10/15/2004 753 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 923 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 753 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 923 MS	EPA 200.8
Iron	0.69	0.05		mg/L	10/15/2004 753 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 923 MS	EPA 200.8
Manganese	0.16	0.02		mg/L	10/15/2004 753 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 956 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 923 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 753 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/20/2004 923 MS	EPA 200.8
Uranium	0.102	0.0001		mg/L	10/20/2004 923 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 923 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 753 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-010
Client Sample ID 2W50-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	10/13/2004 1919 JG	EPA 150.1
Electrical Conductivity	635	5		µmhos/cm	10/13/2004 1919 JG	SM 2510B
Total Dissolved Solids (180)	440	10		mg/L	10/14/2004 1034 KA	SM 2540
Solids, Total Dissolved (Calc)	400	10		mg/L	10/27/2004 1207 WN	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	156	5		mg/L	10/13/2004 1919 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	168	1		mg/L	10/27/2004 1207 WN	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/14/2004 1216 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1514 RM	EPA 353.2
Radium 226	63.8±4.4	0.2		pCi/L	10/15/2004 000 TWP	SM 7500 RA B
Silica as SiO2	9.3	0.1		mg/L	10/15/2004 757 MH	EPA 200.7
Sodium Adsorption Ratio	2.6	0.1			10/27/2004 1207 WN	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	191	5		mg/L	10/13/2004 1919 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/13/2004 1919 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/13/2004 1919 JG	SM 2320B
Chloride	4	1		mg/L	10/14/2004 1722 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/13/2004 1919 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1155 RM	EPA 353.2
Sulfate	162	1		mg/L	10/14/2004 1722 LK	EPA 300.0
Cations						
Calcium	55	1		mg/L	10/15/2004 757 MH	EPA 200.7
Magnesium	8	1		mg/L	10/15/2004 757 MH	EPA 200.7
Potassium	1	1		mg/L	10/15/2004 757 MH	EPA 200.7
Sodium	77	1		mg/L	10/15/2004 757 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-010
Client Sample ID 2W50-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.12	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Chloride	0.12	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Fluoride	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sulfate	3.37	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Calcium	2.72	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Magnesium	0.63	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Potassium	0.02	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sodium	3.33	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Cation / Anion Balance						
Cation Sum	6.72	0		meq/L	10/27/2004 1207 WN	SM 1030F
Anion Sum	6.62	0		meq/L	10/27/2004 1207 WN	SM 1030F
Cation-Anion Balance	0.76	0		%	10/27/2004 1207 WN	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 757 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 926 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 926 MS	EPA 200.8
Boron	0.06	0.03		mg/L	10/15/2004 757 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 926 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 757 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 926 MS	EPA 200.8
Iron	1.11	0.05		mg/L	10/15/2004 757 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 926 MS	EPA 200.8
Manganese	0.32	0.02		mg/L	10/15/2004 757 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 958 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 926 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 757 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/20/2004 926 MS	EPA 200.8
Uranium	0.0193	0.0001		mg/L	10/20/2004 926 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 926 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 757 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-011
Client Sample ID 2V56-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	10/13/2004 1933 JG	EPA 150.1
Electrical Conductivity	1410	5		µmhos/cm	10/13/2004 1933 JG	SM 2510B
Total Dissolved Solids (180)	1070	10		mg/L	10/14/2004 1039 KA	SM 2540
Solids, Total Dissolved (Calc)	980	10		mg/L	10/27/2004 1207 WN	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	364	5		mg/L	10/13/2004 1933 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	314	1		mg/L	10/27/2004 1207 WN	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/14/2004 1217 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1521 RM	EPA 353.2
Radium 226	134.6±6.2	0.2		pCi/L	10/15/2004 000 TWP	SM 7500 RA B
Silica as SiO2	14.7	0.1		mg/L	10/15/2004 801 MH	EPA 200.7
Sodium Adsorption Ratio	5.8	0.1			10/27/2004 1207 WN	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	444	5		mg/L	10/13/2004 1933 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/13/2004 1933 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/13/2004 1933 JG	SM 2320B
Chloride	51	1		mg/L	10/14/2004 1735 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/13/2004 1933 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1156 RM	EPA 353.2
Sulfate	358	1		mg/L	10/14/2004 1735 LK	EPA 300.0
Cations						
Calcium	97	1		mg/L	10/15/2004 801 MH	EPA 200.7
Magnesium	18	1		mg/L	10/15/2004 801 MH	EPA 200.7
Potassium	3	1		mg/L	10/15/2004 801 MH	EPA 200.7
Sodium	237	1		mg/L	10/15/2004 801 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-011
Client Sample ID 2V56-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	7.27	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Chloride	1.43	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Fluoride	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sulfate	7.46	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Calcium	4.84	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Magnesium	1.43	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Potassium	0.07	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sodium	10.31	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Cation / Anion Balance						
Cation Sum	16.67	0		meq/L	10/27/2004 1207 WN	SM 1030F
Anion Sum	16.17	0		meq/L	10/27/2004 1207 WN	SM 1030F
Cation-Anion Balance	1.51	0		%	10/27/2004 1207 WN	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 801 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 937 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 937 MS	EPA 200.8
Boron	0.06	0.03		mg/L	10/15/2004 801 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 937 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 801 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 937 MS	EPA 200.8
Iron	1.57	0.05		mg/L	10/15/2004 801 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 937 MS	EPA 200.8
Manganese	0.38	0.02		mg/L	10/15/2004 801 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 1000 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 937 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 801 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/20/2004 937 MS	EPA 200.8
Uranium	0.374	0.0001		mg/L	10/20/2004 937 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 937 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 801 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-012
Client Sample ID 2U38-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	10/13/2004 1947 JG	EPA 150.1
Electrical Conductivity	608	5		µmhos/cm	10/13/2004 1947 JG	SM 2510B
Total Dissolved Solids (180)	440	10		mg/L	10/14/2004 1044 KA	SM 2540
Solids, Total Dissolved (Calc)	390	10		mg/L	10/27/2004 1207 WN	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	125	5		mg/L	10/13/2004 1947 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	154	1		mg/L	10/27/2004 1207 WN	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/14/2004 1218 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1522 RM	EPA 353.2
Radium 226	63.8±4.3	0.2		pCi/L	10/15/2004 000 TWP	SM 7500 RA B
Silica as SiO2	8.3	0.1		mg/L	10/15/2004 804 MH	EPA 200.7
Sodium Adsorption Ratio	2.7	0.1			10/27/2004 1207 WN	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	153	5		mg/L	10/13/2004 1947 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/13/2004 1947 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/13/2004 1947 JG	SM 2320B
Chloride	9	1		mg/L	10/14/2004 1748 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/13/2004 1947 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1157 RM	EPA 353.2
Sulfate	168	1		mg/L	10/14/2004 1748 LK	EPA 300.0
Cations						
Calcium	51	1		mg/L	10/15/2004 804 MH	EPA 200.7
Magnesium	7	1		mg/L	10/15/2004 804 MH	EPA 200.7
Potassium	1	1		mg/L	10/15/2004 804 MH	EPA 200.7
Sodium	77	1		mg/L	10/15/2004 804 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410143001

Project: Cogema Christensen Mine
Lab ID: S0410143-012
Client Sample ID 2U38-1
Matrix: Water

Work Order: S0410143
Collection Date: 10/12/2004
Date Received: 10/12/2004 4:50:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.50	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Chloride	0.24	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Fluoride	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sulfate	3.50	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Calcium	2.53	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Magnesium	0.54	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Potassium	0.02	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Sodium	3.33	0.01		meq/L	10/27/2004 1207 WN	SM 1030F
Cation / Anion Balance						
Cation Sum	6.43	0		meq/L	10/27/2004 1207 WN	SM 1030F
Anion Sum	6.25	0		meq/L	10/27/2004 1207 WN	SM 1030F
Cation-Anion Balance	1.47	0		%	10/27/2004 1207 WN	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 804 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 944 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 944 MS	EPA 200.8
Boron	0.05	0.03		mg/L	10/15/2004 804 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 944 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 804 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 944 MS	EPA 200.8
Iron	0.28	0.05		mg/L	10/15/2004 804 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 944 MS	EPA 200.8
Manganese	0.33	0.02		mg/L	10/15/2004 804 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 1001 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 944 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 804 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/20/2004 944 MS	EPA 200.8
Uranium	0.0091	0.0001		mg/L	10/20/2004 944 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 944 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 804 MH	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

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)

307-464-1427

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 10-13-04 Received by [signature] Date 10-13-04 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_____)
X Stabilization (explain unit 2/ 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	2V46-1	10-12-04	Half Gal.	X		X		10153-001	
			Quart	X					"
			8 ozs.		X				"
			8 ozs.	X			X		"
2	2T105-2		**	**	**	**	**		002
3	2U84-1		**	**	**	**	**		003
4	2V76-1		**	**	**	**	**		004
5	2Z35-1		**	**	**	**	**		005
6	2AA28-1		**	**	**	**	**		006
7	2AD26-1		**	**	**	**	**		007
8	2S88-1		**	**	**	**	**		008
9	2R115-1		**	**	**	**	**		009
10	2S100-2		**	**	**	**	**		010
11	2T92-2		**	**	**	**	**		011
12	2T95-1		**	**	**	**	**		012
13	2P110-1		**	**	**	**	**		013
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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-001
Client Sample ID 2Y46-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	10/14/2004 1655 JG	EPA 150.1
Electrical Conductivity	464	5		µmhos/cm	10/14/2004 1655 JG	SM 2510B
Total Dissolved Solids (180)	310	10		mg/L	10/14/2004 1239 KA	SM 2540
Solids, Total Dissolved (Calc)	280	10		mg/L	10/20/2004 1115 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	72	5		mg/L	10/14/2004 1655 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	40	1		mg/L	10/20/2004 1115 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/18/2004 1528 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1523 RM	EPA 353.2
Radium 226	20.9±2.0	0.2		pCi/L	10/18/2004 000 TWP	SM 7500 RA B
Silica as SiO2	6.0	0.1		mg/L	10/15/2004 838 MH	EPA 200.7
Sodium Adsorption Ratio	5.4	0.1			10/20/2004 1115 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	88	5		mg/L	10/14/2004 1655 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/14/2004 1655 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/14/2004 1655 JG	SM 2320B
Chloride	2	1		mg/L	10/14/2004 2358 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/14/2004 1655 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1232 RM	EPA 353.2
Sulfate	136	1		mg/L	10/14/2004 2358 LK	EPA 300.0
Cations						
Calcium	12	1		mg/L	10/15/2004 838 MH	EPA 200.7
Magnesium	3	1		mg/L	10/15/2004 838 MH	EPA 200.7
Potassium	ND	1		mg/L	10/15/2004 838 MH	EPA 200.7
Sodium	79	1		mg/L	10/15/2004 838 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-001
Client Sample ID 2Y46-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.43	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Chloride	0.06	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sulfate	2.83	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Calcium	0.57	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Magnesium	0.21	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Potassium	0.02	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sodium	3.42	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	4.24	0		meq/L	10/20/2004 1115 JG	SM 1030F
Anion Sum	4.33	0		meq/L	10/20/2004 1115 JG	SM 1030F
Cation-Anion Balance	1.09	0		%	10/20/2004 1115 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 838 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 1028 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 1028 MS	EPA 200.8
Boron	0.06	0.03		mg/L	10/15/2004 838 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 1028 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 838 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 1028 MS	EPA 200.8
Iron	0.18	0.05		mg/L	10/15/2004 838 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 1028 MS	EPA 200.8
Manganese	0.10	0.02		mg/L	10/15/2004 838 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 1007 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 1028 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 838 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/20/2004 1028 MS	EPA 200.8
Uranium	0.0008	0.0001		mg/L	10/20/2004 1028 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 1028 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 838 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-002
Client Sample ID 2T105-2
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.5	0.1		s.u.	10/14/2004 1707 JG	EPA 150.1
Electrical Conductivity	443	5		µmhos/cm	10/14/2004 1707 JG	SM 2510B
Total Dissolved Solids (180)	300	10		mg/L	10/14/2004 1244 KA	SM 2540
Solids, Total Dissolved (Calc)	260	10		mg/L	10/20/2004 1115 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	95	5		mg/L	10/14/2004 1707 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	53	1		mg/L	10/20/2004 1115 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/18/2004 1529 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1524 RM	EPA 353.2
Radium 226	206.2±6.3	0.2		pCi/L	10/18/2004 000 TWP	SM 7500 RA B
Silica as SiO2	12.9	0.1		mg/L	10/15/2004 845 MH	EPA 200.7
Sodium Adsorption Ratio	4.2	0.1			10/20/2004 1115 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	116	5		mg/L	10/14/2004 1707 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/14/2004 1707 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/14/2004 1707 JG	SM 2320B
Chloride	2	1		mg/L	10/15/2004 011 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/14/2004 1707 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1233 RM	EPA 353.2
Sulfate	110	1		mg/L	10/15/2004 011 LK	EPA 300.0
Cations						
Calcium	16	1		mg/L	10/15/2004 845 MH	EPA 200.7
Magnesium	3	1		mg/L	10/15/2004 845 MH	EPA 200.7
Potassium	ND	1		mg/L	10/15/2004 845 MH	EPA 200.7
Sodium	71	1		mg/L	10/15/2004 845 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-002
Client Sample ID 2T105-2
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.90	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Chloride	0.05	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sulfate	2.28	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Calcium	0.79	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Magnesium	0.26	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Potassium	0.01	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sodium	3.10	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	4.19	0		meq/L	10/20/2004 1115 JG	SM 1030F
Anion Sum	4.24	0		meq/L	10/20/2004 1115 JG	SM 1030F
Cation-Anion Balance	0.66	0		%	10/20/2004 1115 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 845 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 1036 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 1036 MS	EPA 200.8
Boron	0.06	0.03		mg/L	10/15/2004 845 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 1036 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 845 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 1036 MS	EPA 200.8
Iron	0.68	0.05		mg/L	10/15/2004 845 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 1036 MS	EPA 200.8
Manganese	0.11	0.02		mg/L	10/15/2004 845 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 1008 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 1036 MS	EPA 200.8
Nickel	0.01	0.01		mg/L	10/15/2004 845 MH	EPA 200.7
Selenium	0.009	0.005		mg/L	10/20/2004 1036 MS	EPA 200.8
Uranium	0.0130	0.0001		mg/L	10/20/2004 1036 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 1036 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 845 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-003
Client Sample ID 2U84-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	10/14/2004 1719 JG	EPA 150.1
Electrical Conductivity	679	5		µmhos/cm	10/14/2004 1719 JG	SM 2510B
Total Dissolved Solids (180)	490	10		mg/L	10/14/2004 1249 KA	SM 2540
Solids, Total Dissolved (Calc)	420	10		mg/L	10/20/2004 1115 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	202	5		mg/L	10/14/2004 1719 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	251	1		mg/L	10/20/2004 1115 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/18/2004 1536 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1525 RM	EPA 353.2
Radium 226	203.0±6.1	0.2		pCi/L	10/18/2004 000 TWP	SM 7500 RA B
Silica as SiO2	7.3	0.1		mg/L	10/15/2004 849 MH	EPA 200.7
Sodium Adsorption Ratio	1.4	0.1			10/20/2004 1115 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	246	5		mg/L	10/14/2004 1719 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/14/2004 1719 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/14/2004 1719 JG	SM 2320B
Chloride	7	1		mg/L	10/15/2004 024 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/14/2004 1719 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1234 RM	EPA 353.2
Sulfate	148	1		mg/L	10/15/2004 024 LK	EPA 300.0
Cations						
Calcium	86	1		mg/L	10/15/2004 849 MH	EPA 200.7
Magnesium	9	1		mg/L	10/15/2004 849 MH	EPA 200.7
Potassium	1	1		mg/L	10/15/2004 849 MH	EPA 200.7
Sodium	53	1		mg/L	10/15/2004 849 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-003
Client Sample ID 2U84-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.03	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Chloride	0.18	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sulfate	3.07	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Calcium	4.29	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Magnesium	0.72	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Potassium	0.02	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sodium	2.30	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	7.36	0		meq/L	10/20/2004 1115 JG	SM 1030F
Anion Sum	7.29	0		meq/L	10/20/2004 1115 JG	SM 1030F
Cation-Anion Balance	0.47	0		%	10/20/2004 1115 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 849 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 1038 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 1038 MS	EPA 200.8
Boron	0.05	0.03		mg/L	10/15/2004 849 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 1038 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 849 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 1038 MS	EPA 200.8
Iron	0.61	0.05		mg/L	10/15/2004 849 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 1038 MS	EPA 200.8
Manganese	0.29	0.02		mg/L	10/15/2004 849 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 1011 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 1038 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 849 MH	EPA 200.7
Selenium	0.039	0.005		mg/L	10/20/2004 1038 MS	EPA 200.8
Uranium	0.503	0.0001		mg/L	10/20/2004 1038 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 1038 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 849 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-004
Client Sample ID 2V76-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.5	0.1		s.u.	10/14/2004 1729 JG	EPA 150.1
Electrical Conductivity	704	5		µmhos/cm	10/14/2004 1729 JG	SM 2510B
Total Dissolved Solids (180)	460	10		mg/L	10/14/2004 1254 KA	SM 2540
Solids, Total Dissolved (Calc)	410	10		mg/L	10/20/2004 1115 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	106	5		mg/L	10/14/2004 1729 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	24	1		mg/L	10/20/2004 1115 JG	SM 2340B
Nitrogen, Ammonia (As N)	0.1	0.1		mg/L	10/18/2004 1537 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1526 RM	EPA 353.2
Radium 226	24.4±2.2	0.2		pCi/L	10/18/2004 000 TWP	SM 7500 RA B
Silica as SiO2	8.5	0.1		mg/L	10/15/2004 857 MH	EPA 200.7
Sodium Adsorption Ratio	12.0	0.1			10/20/2004 1115 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	121	5		mg/L	10/14/2004 1729 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/14/2004 1729 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/14/2004 1729 JG	SM 2320B
Chloride	7	1		mg/L	10/15/2004 036 LK	EPA 300.0
Fluoride	0.2	0.1		mg/L	10/14/2004 1729 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1235 RM	EPA 353.2
Sulfate	194	1		mg/L	10/15/2004 036 LK	EPA 300.0
Cations						
Calcium	8	1		mg/L	10/15/2004 857 MH	EPA 200.7
Magnesium	1	1		mg/L	10/15/2004 857 MH	EPA 200.7
Potassium	2	1		mg/L	10/15/2004 857 MH	EPA 200.7
Sodium	136	1		mg/L	10/15/2004 857 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-004
Client Sample ID 2V76-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.97	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Carbonate as CO3	0.13	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Chloride	0.20	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sulfate	4.04	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Calcium	0.39	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Magnesium	0.08	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Potassium	0.05	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sodium	5.90	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	6.44	0		meq/L	10/20/2004 1115 JG	SM 1030F
Anion Sum	6.36	0		meq/L	10/20/2004 1115 JG	SM 1030F
Cation-Anion Balance	0.60	0		%	10/20/2004 1115 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 857 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 1041 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 1041 MS	EPA 200.8
Boron	0.04	0.03		mg/L	10/15/2004 857 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 1041 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 857 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 1041 MS	EPA 200.8
Iron	ND	0.05		mg/L	10/15/2004 857 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 1041 MS	EPA 200.8
Manganese	ND	0.02		mg/L	10/15/2004 857 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 1012 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 1041 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 857 MH	EPA 200.7
Selenium	0.008	0.005		mg/L	10/20/2004 1041 MS	EPA 200.8
Uranium	0.0098	0.0001		mg/L	10/20/2004 1041 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 1041 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 857 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-005
Client Sample ID 2Z35-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.5	0.1		s.u.	10/14/2004 1741 JG	EPA 150.1
Electrical Conductivity	504	5		µmhos/cm	10/14/2004 1741 JG	SM 2510B
Total Dissolved Solids (180)	350	10		mg/L	10/14/2004 1259 KA	SM 2540
Solids, Total Dissolved (Calc)	290	10		mg/L	10/20/2004 1115 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	147	5		mg/L	10/14/2004 1741 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	46	1		mg/L	10/20/2004 1115 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/18/2004 1538 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1527 RM	EPA 353.2
Radium 226	147.3±5.3	0.2		pCi/L	10/18/2004 000 TWP	SM 7500 RA B
Silica as SiO2	16.4	0.1		mg/L	10/15/2004 900 MH	EPA 200.7
Sodium Adsorption Ratio	5.8	0.1			10/20/2004 1115 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	179	5		mg/L	10/14/2004 1741 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/14/2004 1741 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/14/2004 1741 JG	SM 2320B
Chloride	3	1		mg/L	10/15/2004 717 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/14/2004 1741 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1236 RM	EPA 353.2
Sulfate	93	1		mg/L	10/15/2004 717 LK	EPA 300.0
Cations						
Calcium	14	1		mg/L	10/15/2004 900 MH	EPA 200.7
Magnesium	3	1		mg/L	10/15/2004 900 MH	EPA 200.7
Potassium	1	1		mg/L	10/15/2004 900 MH	EPA 200.7
Sodium	91	1		mg/L	10/15/2004 900 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-005
Client Sample ID 2Z35-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.93	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Chloride	0.08	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sulfate	1.92	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Calcium	0.68	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Magnesium	0.23	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Potassium	0.02	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sodium	3.94	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	4.89	0		meq/L	10/20/2004 1115 JG	SM 1030F
Anion Sum	4.94	0		meq/L	10/20/2004 1115 JG	SM 1030F
Cation-Anion Balance	0.58	0		%	10/20/2004 1115 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 900 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 1043 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 1043 MS	EPA 200.8
Boron	0.05	0.03		mg/L	10/15/2004 900 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 1043 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 900 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 1043 MS	EPA 200.8
Iron	0.41	0.05		mg/L	10/15/2004 900 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 1043 MS	EPA 200.8
Manganese	0.07	0.02		mg/L	10/15/2004 900 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 1021 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 1043 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 900 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/20/2004 1043 MS	EPA 200.8
Uranium	0.0173	0.0001		mg/L	10/20/2004 1043 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 1043 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 900 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-006
Client Sample ID 2AA28-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.5	0.1		s.u.	10/14/2004 1753 JG	EPA 150.1
Electrical Conductivity	776	5		µmhos/cm	10/14/2004 1753 JG	SM 2510B
Total Dissolved Solids (180)	560	10		mg/L	10/14/2004 1304 KA	SM 2540
Solids, Total Dissolved (Calc)	490	10		mg/L	10/20/2004 1115 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	133	5		mg/L	10/14/2004 1753 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	136	1		mg/L	10/20/2004 1115 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/18/2004 1539 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1528 RM	EPA 353.2
Radium 226	341.9±8.0	0.2		pCi/L	10/18/2004 000 TWP	SM 7500 RA B
Silica as SiO2	11.5	0.1		mg/L	10/15/2004 904 MH	EPA 200.7
Sodium Adsorption Ratio	4.2	0.1			10/20/2004 1115 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	162	5		mg/L	10/14/2004 1753 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/14/2004 1753 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/14/2004 1753 JG	SM 2320B
Chloride	10	1		mg/L	10/15/2004 730 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/14/2004 1753 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1237 RM	EPA 353.2
Sulfate	231	1		mg/L	10/15/2004 730 LK	EPA 300.0
Cations						
Calcium	42	1		mg/L	10/15/2004 904 MH	EPA 200.7
Magnesium	7	1		mg/L	10/15/2004 904 MH	EPA 200.7
Potassium	2	1		mg/L	10/15/2004 904 MH	EPA 200.7
Sodium	113	1		mg/L	10/15/2004 904 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-006
Client Sample ID 2AA28-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.66	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Chloride	0.26	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sulfate	4.80	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Calcium	2.10	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Magnesium	0.61	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Potassium	0.04	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sodium	4.92	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	7.67	0		meq/L	10/20/2004 1115 JG	SM 1030F
Anion Sum	7.74	0		meq/L	10/20/2004 1115 JG	SM 1030F
Cation-Anion Balance	0.41	0		%	10/20/2004 1115 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 904 MH	EPA 200.7
Arsenic	0.049	0.005		mg/L	10/20/2004 1046 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 1046 MS	EPA 200.8
Boron	0.06	0.03		mg/L	10/15/2004 904 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 1046 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 904 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 1046 MS	EPA 200.8
Iron	2.89	0.05		mg/L	10/15/2004 904 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 1046 MS	EPA 200.8
Manganese	0.38	0.02		mg/L	10/15/2004 904 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 1026 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 1046 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 904 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/20/2004 1046 MS	EPA 200.8
Uranium	0.0581	0.0001		mg/L	10/20/2004 1046 MS	EPA 200.8
Vanadium	0.03	0.02		mg/L	10/20/2004 1046 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 904 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-007
Client Sample ID 2AD26-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	10/14/2004 1806 JG	EPA 150.1
Electrical Conductivity	916	5		µmhos/cm	10/14/2004 1806 JG	SM 2510B
Total Dissolved Solids (180)	660	10		mg/L	10/14/2004 1309 KA	SM 2540
Solids, Total Dissolved (Calc)	580	10		mg/L	10/20/2004 1115 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	273	5		mg/L	10/14/2004 1806 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	241	1		mg/L	10/20/2004 1115 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/18/2004 1540 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1529 RM	EPA 353.2
Radium 226	330.8±7.8	0.2		pCi/L	10/18/2004 000 TWP	SM 7500 RA B
Silica as SiO2	9.6	0.1		mg/L	10/15/2004 908 MH	EPA 200.7
Sodium Adsorption Ratio	3.3	0.1			10/20/2004 1115 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	333	5		mg/L	10/14/2004 1806 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/14/2004 1806 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/14/2004 1806 JG	SM 2320B
Chloride	9	1		mg/L	10/15/2004 743 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/14/2004 1806 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1238 RM	EPA 353.2
Sulfate	201	1		mg/L	10/15/2004 743 LK	EPA 300.0
Cations						
Calcium	77	1		mg/L	10/15/2004 908 MH	EPA 200.7
Magnesium	12	1		mg/L	10/15/2004 908 MH	EPA 200.7
Potassium	2	1		mg/L	10/15/2004 908 MH	EPA 200.7
Sodium	119	1		mg/L	10/15/2004 908 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-007
Client Sample ID 2AD26-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	5.45	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Chloride	0.26	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sulfate	4.18	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Calcium	3.85	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Magnesium	0.95	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Potassium	0.05	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sodium	5.19	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	10.05	0		meq/L	10/20/2004 1115 JG	SM 1030F
Anion Sum	9.89	0		meq/L	10/20/2004 1115 JG	SM 1030F
Cation-Anion Balance	0.76	0		%	10/20/2004 1115 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 908 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 1049 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 1049 MS	EPA 200.8
Boron	0.05	0.03		mg/L	10/15/2004 908 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 1049 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 908 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 1049 MS	EPA 200.8
Iron	0.49	0.05		mg/L	10/15/2004 908 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 1049 MS	EPA 200.8
Manganese	0.74	0.02		mg/L	10/15/2004 908 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 1028 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 1049 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 908 MH	EPA 200.7
Selenium	0.013	0.005		mg/L	10/20/2004 1049 MS	EPA 200.8
Uranium	0.543	0.0001		mg/L	10/20/2004 1049 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 1049 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 908 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-008
Client Sample ID 2S88-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	10/14/2004 1818 JG	EPA 150.1
Electrical Conductivity	907	5		µmhos/cm	10/14/2004 1818 JG	SM 2510B
Total Dissolved Solids (180)	690	10		mg/L	10/14/2004 1314 KA	SM 2540
Solids, Total Dissolved (Calc)	610	10		mg/L	10/20/2004 1115 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	227	5		mg/L	10/14/2004 1818 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	369	1		mg/L	10/20/2004 1115 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/18/2004 1541 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1530 RM	EPA 353.2
Radium 226	1071±14	0.2		pCi/L	10/18/2004 000 TWP	SM 7500 RA B
Silica as SiO2	7.2	0.1		mg/L	10/15/2004 912 MH	EPA 200.7
Sodium Adsorption Ratio	1.6	0.1			10/20/2004 1115 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	277	5		mg/L	10/14/2004 1818 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/14/2004 1818 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/14/2004 1818 JG	SM 2320B
Chloride	5	1		mg/L	10/15/2004 756 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/14/2004 1818 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1246 RM	EPA 353.2
Sulfate	258	1		mg/L	10/15/2004 756 LK	EPA 300.0
Cations						
Calcium	133	1		mg/L	10/15/2004 912 MH	EPA 200.7
Magnesium	9	1		mg/L	10/15/2004 912 MH	EPA 200.7
Potassium	1	1		mg/L	10/15/2004 912 MH	EPA 200.7
Sodium	70	1		mg/L	10/15/2004 912 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-008
Client Sample ID 2S88-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.54	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Chloride	0.14	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sulfate	5.38	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Calcium	6.64	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Magnesium	0.73	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Potassium	0.03	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sodium	3.04	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	10.45	0		meq/L	10/20/2004 1115 JG	SM 1030F
Anion Sum	10.07	0		meq/L	10/20/2004 1115 JG	SM 1030F
Cation-Anion Balance	1.87	0		%	10/20/2004 1115 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 912 MH	EPA 200.7
Arsenic	0.021	0.005		mg/L	10/20/2004 1051 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 1051 MS	EPA 200.8
Boron	0.05	0.03		mg/L	10/15/2004 912 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 1051 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 912 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 1051 MS	EPA 200.8
Iron	0.08	0.05		mg/L	10/15/2004 912 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 1051 MS	EPA 200.8
Manganese	0.44	0.02		mg/L	10/15/2004 912 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 1030 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 1051 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 912 MH	EPA 200.7
Selenium	0.013	0.005		mg/L	10/20/2004 1051 MS	EPA 200.8
Uranium	0.162	0.0001		mg/L	10/20/2004 1051 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 1051 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 912 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-009
Client Sample ID 2R115-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.1	0.1		s.u.	10/14/2004 1830 JG	EPA 150.1
Electrical Conductivity	1030	5		µmhos/cm	10/14/2004 1830 JG	SM 2510B
Total Dissolved Solids (180)	730	10		mg/L	10/14/2004 1319 KA	SM 2540
Solids, Total Dissolved (Calc)	670	10		mg/L	10/20/2004 1115 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	349	5		mg/L	10/14/2004 1830 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	246	1		mg/L	10/20/2004 1115 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/18/2004 1542 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1531 RM	EPA 353.2
Radium 226	217.6±6.5	0.2		pCi/L	10/18/2004 000 TWP	SM 7500 RA B
Silica as SiO2	6.5	0.1		mg/L	10/15/2004 927 MH	EPA 200.7
Sodium Adsorption Ratio	4.2	0.1			10/20/2004 1115 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	426	5		mg/L	10/14/2004 1830 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/14/2004 1830 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/14/2004 1830 JG	SM 2320B
Chloride	14	1		mg/L	10/15/2004 809 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/14/2004 1830 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1247 RM	EPA 353.2
Sulfate	197	1		mg/L	10/15/2004 809 LK	EPA 300.0
Cations						
Calcium	86	1		mg/L	10/15/2004 927 MH	EPA 200.7
Magnesium	7	1		mg/L	10/15/2004 927 MH	EPA 200.7
Potassium	ND	1		mg/L	10/15/2004 927 MH	EPA 200.7
Sodium	152	1		mg/L	10/15/2004 927 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-009
Client Sample ID 2R115-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	6.98	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Chloride	0.38	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sulfate	4.09	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Calcium	4.31	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Magnesium	0.60	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Potassium	0.02	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sodium	6.60	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	11.53	0		meq/L	10/20/2004 1115 JG	SM 1030F
Anion Sum	11.47	0		meq/L	10/20/2004 1115 JG	SM 1030F
Cation-Anion Balance	0.28	0		%	10/20/2004 1115 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 927 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 1054 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 1054 MS	EPA 200.8
Boron	0.05	0.03		mg/L	10/15/2004 927 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 1054 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 927 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 1054 MS	EPA 200.8
Iron	0.18	0.05		mg/L	10/15/2004 927 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 1054 MS	EPA 200.8
Manganese	0.12	0.02		mg/L	10/15/2004 927 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 1032 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 1054 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 927 MH	EPA 200.7
Selenium	0.006	0.005		mg/L	10/20/2004 1054 MS	EPA 200.8
Uranium	0.0191	0.0001		mg/L	10/20/2004 1054 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 1054 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 927 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-010
Client Sample ID 2S100-2
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	10/14/2004 1843 JG	EPA 150.1
Electrical Conductivity	1110	5		µmhos/cm	10/14/2004 1843 JG	SM 2510B
Total Dissolved Solids (180)	770	10		mg/L	10/14/2004 1329 KA	SM 2540
Solids, Total Dissolved (Calc)	700	10		mg/L	10/20/2004 1115 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	412	5		mg/L	10/14/2004 1843 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	185	1		mg/L	10/20/2004 1115 JG	SM 2340B
Nitrogen, Ammonia (As N)	0.1	0.1		mg/L	10/18/2004 1543 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1538 RM	EPA 353.2
Radium 226	906±13	0.2		pCi/L	10/18/2004 000 TWP	SM 7500 RA B
Silica as SiO2	7.8	0.1		mg/L	10/15/2004 930 MH	EPA 200.7
Sodium Adsorption Ratio	6.3	0.1			10/20/2004 1115 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	502	5		mg/L	10/14/2004 1843 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/14/2004 1843 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/14/2004 1843 JG	SM 2320B
Chloride	16	1		mg/L	10/15/2004 821 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/14/2004 1843 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1248 RM	EPA 353.2
Sulfate	174	1		mg/L	10/15/2004 821 LK	EPA 300.0
Cations						
Calcium	59	1		mg/L	10/15/2004 930 MH	EPA 200.7
Magnesium	9	1		mg/L	10/15/2004 930 MH	EPA 200.7
Potassium	3	1		mg/L	10/15/2004 930 MH	EPA 200.7
Sodium	196	1		mg/L	10/15/2004 930 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-010
Client Sample ID 2S100-2
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	8.23	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Chloride	0.43	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sulfate	3.62	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Calcium	2.94	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Magnesium	0.75	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Potassium	0.06	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sodium	8.54	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	12.30	0		meq/L	10/20/2004 1115 JG	SM 1030F
Anion Sum	12.29	0		meq/L	10/20/2004 1115 JG	SM 1030F
Cation-Anion Balance	0.03	0		%	10/20/2004 1115 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 930 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 1057 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 1057 MS	EPA 200.8
Boron	0.06	0.03		mg/L	10/15/2004 930 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 1057 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 930 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 1057 MS	EPA 200.8
Iron	0.33	0.05		mg/L	10/15/2004 930 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 1057 MS	EPA 200.8
Manganese	0.34	0.02		mg/L	10/15/2004 930 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 1033 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 1057 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 930 MH	EPA 200.7
Selenium	0.015	0.005		mg/L	10/20/2004 1057 MS	EPA 200.8
Uranium	2.51	0.0001		mg/L	10/20/2004 1057 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 1057 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 930 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-011
Client Sample ID 2T92-2
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.2	0.1		s.u.	10/14/2004 1856 JG	EPA 150.1
Electrical Conductivity	1010	5		µmhos/cm	10/14/2004 1856 JG	SM 2510B
Total Dissolved Solids (180)	700	10		mg/L	10/14/2004 1334 KA	SM 2540
Solids, Total Dissolved (Calc)	630	10		mg/L	10/20/2004 1115 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	414	5		mg/L	10/14/2004 1856 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	286	1		mg/L	10/20/2004 1115 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/18/2004 1544 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1539 RM	EPA 353.2
Radium 226	138.1±5.2	0.2		pCi/L	10/18/2004 000 TWP	SM 7500 RA B
Silica as SiO2	7.0	0.1		mg/L	10/15/2004 934 MH	EPA 200.7
Sodium Adsorption Ratio	3.3	0.1			10/20/2004 1115 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	505	5		mg/L	10/14/2004 1856 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/14/2004 1856 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/14/2004 1856 JG	SM 2320B
Chloride	14	1		mg/L	10/15/2004 834 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/14/2004 1856 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1249 RM	EPA 353.2
Sulfate	133	1		mg/L	10/15/2004 834 LK	EPA 300.0
Cations						
Calcium	98	1		mg/L	10/15/2004 934 MH	EPA 200.7
Magnesium	10	1		mg/L	10/15/2004 934 MH	EPA 200.7
Potassium	1	1		mg/L	10/15/2004 934 MH	EPA 200.7
Sodium	129	1		mg/L	10/15/2004 934 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-011
Client Sample ID 2T92-2
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	8.28	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Chloride	0.39	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sulfate	2.77	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Calcium	4.86	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Magnesium	0.85	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Potassium	0.03	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sodium	5.61	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	11.36	0		meq/L	10/20/2004 1115 JG	SM 1030F
Anion Sum	11.44	0		meq/L	10/20/2004 1115 JG	SM 1030F
Cation-Anion Balance	0.35	0		%	10/20/2004 1115 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 934 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 1107 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 1107 MS	EPA 200.8
Boron	0.05	0.03		mg/L	10/15/2004 934 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 1107 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 934 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 1107 MS	EPA 200.8
Iron	ND	0.05		mg/L	10/15/2004 934 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 1107 MS	EPA 200.8
Manganese	0.20	0.02		mg/L	10/15/2004 934 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 1039 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 1107 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 934 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/20/2004 1107 MS	EPA 200.8
Uranium	1.07	0.0001		mg/L	10/20/2004 1107 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 1107 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 934 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-012
Client Sample ID 2T95-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	10/14/2004 1908 JG	EPA 150.1
Electrical Conductivity	703	5		µmhos/cm	10/14/2004 1908 JG	SM 2510B
Total Dissolved Solids (180)	480	10		mg/L	10/14/2004 1339 KA	SM 2540
Solids, Total Dissolved (Calc)	420	10		mg/L	10/20/2004 1115 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	226	5		mg/L	10/14/2004 1908 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	112	1		mg/L	10/20/2004 1115 JG	SM 2340B
Nitrogen, Ammonia (As N)	0.1	0.1		mg/L	10/18/2004 1545 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1540 RM	EPA 353.2
Radium 226	163.3±5.6	0.2		pCi/L	10/18/2004 000 TWP	SM 7500 RA B
Silica as SiO2	12.3	0.1		mg/L	10/15/2004 941 MH	EPA 200.7
Sodium Adsorption Ratio	4.7	0.1			10/20/2004 1115 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	276	5		mg/L	10/14/2004 1908 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/14/2004 1908 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/14/2004 1908 JG	SM 2320B
Chloride	7	1		mg/L	10/15/2004 900 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/14/2004 1908 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1250 RM	EPA 353.2
Sulfate	122	1		mg/L	10/15/2004 900 LK	EPA 300.0
Cations						
Calcium	34	1		mg/L	10/15/2004 941 MH	EPA 200.7
Magnesium	7	1		mg/L	10/15/2004 941 MH	EPA 200.7
Potassium	2	1		mg/L	10/15/2004 941 MH	EPA 200.7
Sodium	114	1		mg/L	10/15/2004 941 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-012
Client Sample ID 2T95-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.51	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Carbonate as C03	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Chloride	0.20	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sulfate	2.54	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Calcium	1.70	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Magnesium	0.53	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Potassium	0.03	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sodium	4.97	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	7.24	0		meq/L	10/20/2004 1115 JG	SM 1030F
Anion Sum	7.26	0		meq/L	10/20/2004 1115 JG	SM 1030F
Cation-Anion Balance	0.11	0		%	10/20/2004 1115 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 941 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/20/2004 1115 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 1115 MS	EPA 200.8
Boron	0.05	0.03		mg/L	10/15/2004 941 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 1115 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 941 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 1115 MS	EPA 200.8
Iron	0.43	0.05		mg/L	10/15/2004 941 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 1115 MS	EPA 200.8
Manganese	0.15	0.02		mg/L	10/15/2004 941 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 1041 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 1115 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 941 MH	EPA 200.7
Selenium	0.008	0.005		mg/L	10/20/2004 1115 MS	EPA 200.8
Uranium	0.0325	0.0001		mg/L	10/20/2004 1115 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 1115 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 941 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-013
Client Sample ID 2P110-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	10/14/2004 1920 JG	EPA 150.1
Electrical Conductivity	651	5		µmhos/cm	10/14/2004 1920 JG	SM 2510B
Total Dissolved Solids (180)	480	10		mg/L	10/14/2004 1344 KA	SM 2540
Solids, Total Dissolved (Calc)	420	10		mg/L	10/20/2004 1115 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	123	5		mg/L	10/14/2004 1920 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	272	1		mg/L	10/20/2004 1115 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/18/2004 1552 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/14/2004 1541 RM	EPA 353.2
Radium 226	1295±16	0.2		pCi/L	10/18/2004 000 TWP	SM 7500 RA B
Silica as SiO2	6.4	0.1		mg/L	10/15/2004 945 MH	EPA 200.7
Sodium Adsorption Ratio	0.9	0.1			10/20/2004 1115 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	150	5		mg/L	10/14/2004 1920 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/14/2004 1920 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/14/2004 1920 JG	SM 2320B
Chloride	1	1		mg/L	10/15/2004 912 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/14/2004 1920 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/19/2004 1251 RM	EPA 353.2
Sulfate	204	1		mg/L	10/15/2004 912 LK	EPA 300.0
Cations						
Calcium	102	1		mg/L	10/19/2004 708 MH	EPA 200.7
Magnesium	6	1		mg/L	10/15/2004 945 MH	EPA 200.7
Potassium	ND	1		mg/L	10/15/2004 945 MH	EPA 200.7
Sodium	36	1		mg/L	10/19/2004 708 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 10/27/2004
Report ID: S0410153001

Project: Cogema Christensen Mine
Lab ID: S0410153-013
Client Sample ID 2P110-1
Matrix: Water

Work Order: S0410153
Collection Date: 10/12/2004
Date Received: 10/13/2004 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	10/20/2004 1115 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Chloride	0.04	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sulfate	4.24	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Calcium	5.07	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Magnesium	0.48	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Potassium	0.01	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Sodium	1.55	0.01		meq/L	10/20/2004 1115 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	7.00	0		meq/L	10/20/2004 1115 JG	SM 1030F
Anion Sum	6.75	0		meq/L	10/20/2004 1115 JG	SM 1030F
Cation-Anion Balance	1.83	0		%	10/20/2004 1115 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/15/2004 945 MH	EPA 200.7
Arsenic	0.021	0.005		mg/L	10/20/2004 1118 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/20/2004 1118 MS	EPA 200.8
Boron	0.05	0.03		mg/L	10/15/2004 945 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/20/2004 1118 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/15/2004 945 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/20/2004 1118 MS	EPA 200.8
Iron	1.72	0.05		mg/L	10/15/2004 945 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/20/2004 1118 MS	EPA 200.8
Manganese	0.44	0.02		mg/L	10/15/2004 945 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/15/2004 1042 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/20/2004 1118 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/15/2004 945 MH	EPA 200.7
Selenium	0.019	0.005		mg/L	10/20/2004 1118 MS	EPA 200.8
Uranium	0.220	0.0001		mg/L	10/20/2004 1118 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/20/2004 1118 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/15/2004 945 MH	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

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 1-6-05 Received by TWG Date 1/6/05

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

Restoration Phase: ___ Groundwater Sweep (explain_____)
X Reverse Osmosis Filtration (explain [illegible] 2/3 PVD)
___ Recirculation (explain_____)
X Stabilization (explain [illegible])

*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	2TM05-2	1-5-05	Half Gal.	X		X		01054-001	
			Quart	X					"
			8 ozs.		X				"
			8 ozs.	X			X		"
2	2AB26-1		**	**	**	**	**		002
3	2W84-1		**	**	**	**	**		003
4	2V76-1		**	**	**	**	**		004
5	2X54-1		**	**	**	**	**		005
6	2/3PVD	1-5-05	**	**	**	**	**		006
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.

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 1-6-05 Received by [signature] Date 1/6/05

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

Restoration Phase: ___ Groundwater Sweep (explain_____)
X Reverse Osmosis Filtration (explain 6/3PVD)
___ Recirculation (explain_____)
X Stabilization (explain MW-2 + 0P4)

*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	2T105-2	1-5-05	Half Gal.	X		X		
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	2AB26-1		**	**	**	**	**	
3	2W84-1		**	**	**	**	**	
4	2V76-1		**	**	**	**	**	
5	2X54-1		**	**	**	**	**	
6	6/3PVD	1-6-05	**	**	**	**	**	
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.

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: 1/18/2005
Report ID: S0501054001

Project: Cogema Christensen Mine
Lab ID: S0501054-001
Client Sample ID 2T105-2
Matrix: Water

Work Order: S0501054
Collection Date: 1/5/2005
Date Received: 1/6/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	01/07/2005 1310 KA	EPA 150.1
Electrical Conductivity	426	5		µmhos/cm	01/07/2005 1310 KA	SM 2510B
Total Dissolved Solids (180)	280	10		mg/L	01/07/2005 1218 TG	SM 2540
Solids, Total Dissolved (Calc)	260	10		mg/L	01/11/2005 1532 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	122	5		mg/L	01/07/2005 1310 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	49	1		mg/L	01/11/2005 1532 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1454 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/07/2005 1358 RM	EPA 353.2
Radium 226	87.5±5.1	0.2		pCi/L	01/17/2005 000 TWP	SM 7500 RA B
Silica as SiO2	11.9	0.1		mg/L	01/10/2005 1046 MH	EPA 200.7
Sodium Adsorption Ratio	4.8	0.1			01/11/2005 1532 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	149	5		mg/L	01/07/2005 1310 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/07/2005 1310 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/07/2005 1310 KA	SM 2320B
Chloride	2	1		mg/L	01/07/2005 1101 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/07/2005 1310 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/10/2005 1009 RM	EPA 353.2
Sulfate	91	1		mg/L	01/07/2005 1101 LK	EPA 300.0
Cations						
Calcium	15	1		mg/L	01/10/2005 1046 MH	EPA 200.7
Magnesium	3	1		mg/L	01/10/2005 1046 MH	EPA 200.7
Potassium	ND	1		mg/L	01/10/2005 1046 MH	EPA 200.7
Sodium	77	1		mg/L	01/10/2005 1046 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501054001

Project: Cogema Christensen Mine
Lab ID: S0501054-001
Client Sample ID 2T105-2
Matrix: Water

Work Order: S0501054
Collection Date: 1/5/2005
Date Received: 1/6/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.43	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Chloride	0.05	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Sulfate	1.88	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Calcium	0.74	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Magnesium	0.24	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Potassium	0.01	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Sodium	3.33	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	4.34	0		meq/L	01/11/2005 1532 KA	SM 1030F
Anion Sum	4.38	0		meq/L	01/11/2005 1532 KA	SM 1030F
Cation-Anion Balance	0.50	0		%	01/11/2005 1532 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 1046 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/07/2005 1052 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/07/2005 1052 MS	EPA 200.8
Boron	0.05	0.03		mg/L	01/10/2005 1046 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/07/2005 1052 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 1046 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/07/2005 1052 MS	EPA 200.8
Iron	ND	0.05		mg/L	01/10/2005 1046 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/07/2005 1052 MS	EPA 200.8
Manganese	0.10	0.02		mg/L	01/10/2005 1046 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 1029 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/07/2005 1052 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 1046 MH	EPA 200.7
Selenium	0.022	0.005		mg/L	01/07/2005 1052 MS	EPA 200.8
Uranium	0.121	0.0001		mg/L	01/07/2005 1052 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/07/2005 1052 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 1046 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501054001

Project: Cogema Christensen Mine
Lab ID: S0501054-002
Client Sample ID 2AG26-1
Matrix: Water

Work Order: S0501054
Collection Date: 1/5/2005
Date Received: 1/6/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	01/07/2005 1329 KA	EPA 150.1
Electrical Conductivity	785	5		µmhos/cm	01/07/2005 1329 KA	SM 2510B
Total Dissolved Solids (180)	560	10		mg/L	01/07/2005 1223 TG	SM 2540
Solids, Total Dissolved (Calc)	520	10		mg/L	01/11/2005 1532 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	227	5		mg/L	01/07/2005 1329 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	316	1		mg/L	01/11/2005 1532 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1455 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/07/2005 1359 RM	EPA 353.2
Radium 226	252.0±8.9	0.2		pCi/L	01/17/2005 000 TWP	SM 7500 RA B
Silica as SiO2	15.2	0.1		mg/L	01/10/2005 1054 MH	EPA 200.7
Sodium Adsorption Ratio	1.4	0.1			01/11/2005 1532 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	271	5		mg/L	01/07/2005 1329 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/07/2005 1329 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/07/2005 1329 KA	SM 2320B
Chloride	4	1		mg/L	01/07/2005 1114 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/07/2005 1329 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/10/2005 1010 RM	EPA 353.2
Sulfate	197	1		mg/L	01/07/2005 1114 LK	EPA 300.0
Cations						
Calcium	111	1		mg/L	01/11/2005 1307 MH	EPA 200.7
Magnesium	10	1		mg/L	01/11/2005 1307 MH	EPA 200.7
Potassium	1	1		mg/L	01/11/2005 1307 MH	EPA 200.7
Sodium	59	1		mg/L	01/11/2005 1307 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501054001

Project: Cogema Christensen Mine
Lab ID: S0501054-002
Client Sample ID 2AG26-1
Matrix: Water

Work Order: S0501054
Collection Date: 1/5/2005
Date Received: 1/6/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.44	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Carbonate as CO3	0.10	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Chloride	0.11	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Sulfate	4.10	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Calcium	5.52	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Magnesium	0.79	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Potassium	0.03	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Sodium	2.58	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	8.93	0		meq/L	01/11/2005 1532 KA	SM 1030F
Anion Sum	8.76	0		meq/L	01/11/2005 1532 KA	SM 1030F
Cation-Anion Balance	0.93	0		%	01/11/2005 1532 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 1054 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/07/2005 1101 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/07/2005 1101 MS	EPA 200.8
Boron	0.06	0.03		mg/L	01/10/2005 1054 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/07/2005 1101 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 1054 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/07/2005 1101 MS	EPA 200.8
Iron	0.05	0.05		mg/L	01/10/2005 1054 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/07/2005 1101 MS	EPA 200.8
Manganese	0.68	0.02		mg/L	01/10/2005 1054 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 1034 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/07/2005 1101 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 1054 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/07/2005 1101 MS	EPA 200.8
Uranium	0.0086	0.0001		mg/L	01/07/2005 1101 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/07/2005 1101 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 1054 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501054001

Project: Cogema Christensen Mine
Lab ID: S0501054-003
Client Sample ID 2U84-1
Matrix: Water

Work Order: S0501054
Collection Date: 1/5/2005
Date Received: 1/6/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	01/07/2005 1341 KA	EPA 150.1
Electrical Conductivity	706	5		µmhos/cm	01/07/2005 1341 KA	SM 2510B
Total Dissolved Solids (180)	480	10		mg/L	01/07/2005 1228 TG	SM 2540
Solids, Total Dissolved (Calc)	450	10		mg/L	01/11/2005 1532 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	249	5		mg/L	01/07/2005 1341 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	285	1		mg/L	01/11/2005 1532 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1456 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/07/2005 1400 RM	EPA 353.2
Radium 226	97.5±5.8	0.2		pCi/L	01/17/2005 000 TWP	SM 7500 RA B
Silica as SiO2	7.0	0.1		mg/L	01/10/2005 1057 MH	EPA 200.7
Sodium Adsorption Ratio	1.4	0.1			01/11/2005 1532 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	304	5		mg/L	01/07/2005 1341 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/07/2005 1341 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/07/2005 1341 KA	SM 2320B
Chloride	8	1		mg/L	01/07/2005 1127 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/07/2005 1341 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/10/2005 1018 RM	EPA 353.2
Sulfate	127	1		mg/L	01/07/2005 1127 LK	EPA 300.0
Cations						
Calcium	100	1		mg/L	01/11/2005 1311 MH	EPA 200.7
Magnesium	9	1		mg/L	01/11/2005 1311 MH	EPA 200.7
Potassium	ND	1		mg/L	01/11/2005 1311 MH	EPA 200.7
Sodium	52	1		mg/L	01/11/2005 1311 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501054001

Project: Cogema Christensen Mine
Lab ID: S0501054-003
Client Sample ID 2U84-1
Matrix: Water

Work Order: S0501054
Collection Date: 1/5/2005
Date Received: 1/6/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.98	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Chloride	0.23	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Sulfate	2.64	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Calcium	4.98	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Magnesium	0.71	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Potassium	0.02	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Sodium	2.27	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	7.99	0		meq/L	01/11/2005 1532 KA	SM 1030F
Anion Sum	7.86	0		meq/L	01/11/2005 1532 KA	SM 1030F
Cation-Anion Balance	0.85	0		%	01/11/2005 1532 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 1057 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/07/2005 1103 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/07/2005 1103 MS	EPA 200.8
Boron	0.04	0.03		mg/L	01/10/2005 1057 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/07/2005 1103 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 1057 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/07/2005 1103 MS	EPA 200.8
Iron	0.38	0.05		mg/L	01/10/2005 1057 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/07/2005 1103 MS	EPA 200.8
Manganese	0.31	0.02		mg/L	01/10/2005 1057 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 1037 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/07/2005 1103 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 1057 MH	EPA 200.7
Selenium	0.008	0.005		mg/L	01/07/2005 1103 MS	EPA 200.8
Uranium	0.198	0.0001		mg/L	01/07/2005 1103 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/07/2005 1103 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 1057 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501054001

Project: Cogema Christensen Mine
Lab ID: S0501054-004
Client Sample ID 2V76-1
Matrix: Water

Work Order: S0501054
Collection Date: 1/5/2005
Date Received: 1/6/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.6	0.1		s.u.	01/07/2005 1351 KA	EPA 150.1
Electrical Conductivity	664	5		µmhos/cm	01/07/2005 1351 KA	SM 2510B
Total Dissolved Solids (180)	440	10		mg/L	01/07/2005 1233 TG	SM 2540
Solids, Total Dissolved (Calc)	410	10		mg/L	01/11/2005 1532 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	103	5		mg/L	01/07/2005 1351 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	24	1		mg/L	01/11/2005 1532 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1457 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/07/2005 1401 RM	EPA 353.2
Radium 226	19.0±2.7	0.2		pCi/L	01/17/2005 000 TWP	SM 7500 RA B
Silica as SiO2	9.4	0.1		mg/L	01/10/2005 1101 MH	EPA 200.7
Sodium Adsorption Ratio	12.3	0.1			01/11/2005 1532 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	116	5		mg/L	01/07/2005 1351 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/07/2005 1351 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/07/2005 1351 KA	SM 2320B
Chloride	7	1		mg/L	01/07/2005 1141 LK	EPA 300.0
Fluoride	0.2	0.1		mg/L	01/07/2005 1351 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/10/2005 1019 RM	EPA 353.2
Sulfate	191	1		mg/L	01/07/2005 1141 LK	EPA 300.0
Cations						
Calcium	8	1		mg/L	01/10/2005 1101 MH	EPA 200.7
Magnesium	1	1		mg/L	01/10/2005 1101 MH	EPA 200.7
Potassium	2	1		mg/L	01/10/2005 1101 MH	EPA 200.7
Sodium	138	1		mg/L	01/10/2005 1101 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501054001

Project: Cogema Christensen Mine
Lab ID: S0501054-004
Client Sample ID 2V76-1
Matrix: Water

Work Order: S0501054
Collection Date: 1/5/2005
Date Received: 1/6/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.90	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Carbonate as CO3	0.16	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Chloride	0.20	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Sulfate	3.98	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Calcium	0.38	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Magnesium	0.08	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Potassium	0.05	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Sodium	5.99	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	6.52	0		meq/L	01/11/2005 1532 KA	SM 1030F
Anion Sum	6.26	0		meq/L	01/11/2005 1532 KA	SM 1030F
Cation-Anion Balance	2.04	0		%	01/11/2005 1532 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 1101 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/07/2005 1106 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/07/2005 1106 MS	EPA 200.8
Boron	0.04	0.03		mg/L	01/10/2005 1101 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/07/2005 1106 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 1101 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/07/2005 1106 MS	EPA 200.8
Iron	ND	0.05		mg/L	01/10/2005 1101 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/07/2005 1106 MS	EPA 200.8
Manganese	ND	0.02		mg/L	01/10/2005 1101 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 1039 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/07/2005 1106 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 1101 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/07/2005 1106 MS	EPA 200.8
Uranium	0.0072	0.0001		mg/L	01/07/2005 1106 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/07/2005 1106 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 1101 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501054001

Project: Cogema Christensen Mine
Lab ID: S0501054-005
Client Sample ID 2X54-1
Matrix: Water

Work Order: S0501054
Collection Date: 1/5/2005
Date Received: 1/6/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	01/07/2005 1403 KA	EPA 150.1
Electrical Conductivity	925	5		µmhos/cm	01/07/2005 1403 KA	SM 2510B
Total Dissolved Solids (180)	650	10		mg/L	01/07/2005 1238 TG	SM 2540
Solids, Total Dissolved (Calc)	600	10		mg/L	01/11/2005 1532 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	321	5		mg/L	01/07/2005 1403 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	231	1		mg/L	01/11/2005 1532 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1458 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/07/2005 1402 RM	EPA 353.2
Radium 226	443±12	0.2		pCi/L	01/17/2005 000 TWP	SM 7500 RA B
Silica as SiO2	16.7	0.1		mg/L	01/10/2005 1105 MH	EPA 200.7
Sodium Adsorption Ratio	3.8	0.1			01/11/2005 1532 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	392	5		mg/L	01/07/2005 1403 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/07/2005 1403 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/07/2005 1403 KA	SM 2320B
Chloride	11	1		mg/L	01/07/2005 1154 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/07/2005 1403 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/10/2005 1020 RM	EPA 353.2
Sulfate	181	1		mg/L	01/07/2005 1154 LK	EPA 300.0
Cations						
Calcium	77	1		mg/L	01/10/2005 1105 MH	EPA 200.7
Magnesium	10	1		mg/L	01/10/2005 1105 MH	EPA 200.7
Potassium	2	1		mg/L	01/10/2005 1105 MH	EPA 200.7
Sodium	132	1		mg/L	01/10/2005 1105 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501054001

Project: Cogema Christensen Mine
Lab ID: S0501054-005
Client Sample ID 2X54-1
Matrix: Water

Work Order: S0501054
Collection Date: 1/5/2005
Date Received: 1/6/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	6.41	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Chloride	0.29	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Sulfate	3.77	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Calcium	3.82	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Magnesium	0.79	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Potassium	0.04	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Sodium	5.73	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	10.40	0		meq/L	01/11/2005 1532 KA	SM 1030F
Anion Sum	10.48	0		meq/L	01/11/2005 1532 KA	SM 1030F
Cation-Anion Balance	0.37	0		%	01/11/2005 1532 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 1105 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/07/2005 1109 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/07/2005 1109 MS	EPA 200.8
Boron	0.06	0.03		mg/L	01/10/2005 1105 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/07/2005 1109 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 1105 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/07/2005 1109 MS	EPA 200.8
Iron	0.35	0.05		mg/L	01/10/2005 1105 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/07/2005 1109 MS	EPA 200.8
Manganese	0.15	0.02		mg/L	01/10/2005 1105 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 1041 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/07/2005 1109 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 1105 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/07/2005 1109 MS	EPA 200.8
Uranium	0.160	0.0001		mg/L	01/07/2005 1109 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/07/2005 1109 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 1105 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
- 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

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 1-6-05 Received by TWG Date 1/6/05

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

Restoration Phase: ___ Groundwater Sweep (explain MU6 - 6/1 3PVD)
X Reverse Osmosis Filtration (explain [illegible])
___ Recirculation (explain _____)
X Stabilization (explain [redacted])

*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	3T105-2	1-5-05	Half Gal.	X		X		01059-001	
			Quart	X					"
			8 ozs.		X				"
			8 ozs.	X			X		"
2	2AA26-1		**	**	**	**	**		002
3	2W124-1		**	**	**	**	**		003
4	2U76-1		**	**	**	**	**		004
5	2X54-1		**	**	**	**	**		005
6	6/13PVD	1-6-05	**	**	**	**	**		006
7			**	**	**	**	**		
8			**	**	**	**	**		
9			**	**	**	**	**		
10			**	**	**	**	**		
11			**	**	**	**	**		
12			**	**	**	**	**		
13			**	**	**	**	**		
14			**	**	**	**	**		
15			**	**	**	**	**		

*All analysis will be performed in accordance with EPA approved procedures and/or the latest edition of Standard Methods.

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: 1/18/2005
Report ID: S0501054001

Project: Cogema Christensen Mine
Lab ID: S0501054-006
Client Sample ID Mod 61/3PVD
Matrix: Water

Work Order: S0501054
Collection Date: 1/6/2005
Date Received: 1/6/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	01/07/2005 1414 KA	EPA 150.1
Electrical Conductivity	1260	5		µmhos/cm	01/07/2005 1414 KA	SM 2510B
Total Dissolved Solids (180)	860	10		mg/L	01/07/2005 1243 TG	SM 2540
Solids, Total Dissolved (Calc)	810	10		mg/L	01/11/2005 1532 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	421	5		mg/L	01/07/2005 1414 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	207	1		mg/L	01/11/2005 1532 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1459 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/07/2005 1403 RM	EPA 353.2
Radium 226	94.6±5.8	0.2		pCi/L	01/17/2005 000 TWP	SM 7500 RA B
Silica as SiO2	7.1	0.1		mg/L	01/10/2005 1108 MH	EPA 200.7
Sodium Adsorption Ratio	6.9	0.1			01/11/2005 1532 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	513	5		mg/L	01/07/2005 1414 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/07/2005 1414 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/07/2005 1414 KA	SM 2320B
Chloride	17	1		mg/L	01/07/2005 1207 LK	EPA 300.0
Fluoride	0.1	0.1		mg/L	01/07/2005 1414 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/10/2005 1021 RM	EPA 353.2
Sulfate	236	1		mg/L	01/07/2005 1207 LK	EPA 300.0
Cations						
Calcium	62	1		mg/L	01/10/2005 1108 MH	EPA 200.7
Magnesium	13	1		mg/L	01/10/2005 1108 MH	EPA 200.7
Potassium	5	1		mg/L	01/10/2005 1108 MH	EPA 200.7
Sodium	229	1		mg/L	01/10/2005 1108 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501054001

Project: Cogema Christensen Mine
Lab ID: S0501054-006
Client Sample ID Mod 61/3PVD
Matrix: Water

Work Order: S0501054
Collection Date: 1/6/2005
Date Received: 1/6/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	8.41	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Chloride	0.47	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Sulfate	4.92	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Calcium	3.08	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Magnesium	1.05	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Potassium	0.12	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Sodium	9.94	0.01		meq/L	01/11/2005 1532 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	14.20	0		meq/L	01/11/2005 1532 KA	SM 1030F
Anion Sum	13.81	0		meq/L	01/11/2005 1532 KA	SM 1030F
Cation-Anion Balance	1.40	0		%	01/11/2005 1532 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 1108 MH	EPA 200.7
Arsenic	0.019	0.005		mg/L	01/07/2005 1112 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/07/2005 1112 MS	EPA 200.8
Boron	0.07	0.03		mg/L	01/10/2005 1108 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/07/2005 1112 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 1108 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/07/2005 1112 MS	EPA 200.8
Iron	ND	0.05		mg/L	01/10/2005 1108 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/07/2005 1112 MS	EPA 200.8
Manganese	0.15	0.02		mg/L	01/10/2005 1108 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 1043 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/07/2005 1112 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 1108 MH	EPA 200.7
Selenium	0.629	0.005		mg/L	01/07/2005 1112 MS	EPA 200.8
Uranium	2.16	0.0001		mg/L	01/07/2005 1112 MS	EPA 200.8
Vanadium	0.32	0.02		mg/L	01/07/2005 1112 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 1108 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
- 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

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 1-5-05 Received by [signature] Date 1/5/2005

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

Restoration Phase: ___ Groundwater Sweep (explain ___)
___ Reverse Osmosis Filtration (explain ___)
___ Recirculation (explain ___)
X Stabilization (explain Control Well 4 of 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	Lab id	Comments
1	2T96-1	1-4-05	Half Gal.	X		X		01044-001	
			Quart	X					"
			8 ozs.		X				"
			8 ozs.	X			X		"
2	2U88-1		**	**	**	**	**		002
3	2V46-1	1-5-05	**	**	**	**	**		003
4	2Z35-1		**	**	**	**	**		004
5	2P110-1		**	**	**	**	**		005
6	2S100-2		**	**	**	**	**		006
7	2R115-1		**	**	**	**	**		007
8	2S88-1		**	**	**	**	**		008
9	2T92-2		**	**	**	**	**		009
10	2T95-1		**	**	**	**	**		010
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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-001
Client Sample ID 2T46-1
Matrix: Water

Work Order: S0501044
Collection Date: 1/4/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	01/06/2005 1210 KA	EPA 150.1
Electrical Conductivity	580	5		µmhos/cm	01/06/2005 1210 KA	SM 2510B
Total Dissolved Solids (180)	390	10		mg/L	01/06/2005 1033 TG	SM 2540
Solids, Total Dissolved (Calc)	350	10		mg/L	01/11/2005 1531 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	229	5		mg/L	01/06/2005 1210 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	232	1		mg/L	01/11/2005 1531 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1538 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/07/2005 1342 RM	EPA 353.2
Radium 226	202.5±6.9	0.2		pCi/L	01/13/2005 000 TWP	SM 7500 RA B
Silica as SiO2	10.2	0.1		mg/L	01/10/2005 950 MH	EPA 200.7
Sodium Adsorption Ratio	1.1	0.1			01/11/2005 1531 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	279	5		mg/L	01/06/2005 1210 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 1210 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 1210 KA	SM 2320B
Chloride	3	1		mg/L	01/06/2005 957 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 1210 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/10/2005 948 RM	EPA 353.2
Sulfate	85	1		mg/L	01/06/2005 957 LK	EPA 300.0
Cations						
Calcium	80	1		mg/L	01/11/2005 1304 MH	EPA 200.7
Magnesium	8	1		mg/L	01/10/2005 950 MH	EPA 200.7
Potassium	1	1		mg/L	01/10/2005 950 MH	EPA 200.7
Sodium	38	1		mg/L	01/11/2005 1304 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-001
Client Sample ID 2T46-1
Matrix: Water

Work Order: S0501044
Collection Date: 1/4/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.57	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Chloride	0.07	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sulfate	1.77	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Calcium	4.00	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Magnesium	0.42	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Potassium	0.01	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sodium	1.67	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	6.35	0		meq/L	01/11/2005 1531 KA	SM 1030F
Anion Sum	6.42	0		meq/L	01/11/2005 1531 KA	SM 1030F
Cation-Anion Balance	0.59	0		%	01/11/2005 1531 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 950 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/06/2005 1316 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1316 MS	EPA 200.8
Boron	0.05	0.03		mg/L	01/10/2005 950 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1316 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 950 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1316 MS	EPA 200.8
Iron	0.30	0.05		mg/L	01/10/2005 950 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1316 MS	EPA 200.8
Manganese	0.13	0.02		mg/L	01/10/2005 950 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 954 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1316 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 950 MH	EPA 200.7
Selenium	0.005	0.005		mg/L	01/06/2005 1316 MS	EPA 200.8
Uranium	0.122	0.0001		mg/L	01/06/2005 1316 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/06/2005 1316 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 950 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-002
Client Sample ID 2V56-1
Matrix: Water

Work Order: S0501044
Collection Date: 1/4/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.5	0.1		s.u.	01/06/2005 1222 KA	EPA 150.1
Electrical Conductivity	1310	5		µmhos/cm	01/06/2005 1222 KA	SM 2510B
Total Dissolved Solids (180)	920	10		mg/L	01/06/2005 1038 TG	SM 2540
Solids, Total Dissolved (Calc)	840	10		mg/L	01/11/2005 1531 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	304	5		mg/L	01/06/2005 1222 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	280	1		mg/L	01/11/2005 1531 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1539 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/07/2005 1343 RM	EPA 353.2
Radium 226	160.6±6.1	0.2		pCi/L	01/13/2005 000 TWP	SM 7500 RA B
Silica as SiO2	15.4	0.1		mg/L	01/10/2005 954 MH	EPA 200.7
Sodium Adsorption Ratio	5.1	0.1			01/11/2005 1531 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	370	5		mg/L	01/06/2005 1222 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 1222 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 1222 KA	SM 2320B
Chloride	34	1		mg/L	01/06/2005 1010 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 1222 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/10/2005 949 RM	EPA 353.2
Sulfate	317	1		mg/L	01/06/2005 1010 LK	EPA 300.0
Cations						
Calcium	87	1		mg/L	01/10/2005 954 MH	EPA 200.7
Magnesium	16	1		mg/L	01/10/2005 954 MH	EPA 200.7
Potassium	3	1		mg/L	01/10/2005 954 MH	EPA 200.7
Sodium	197	1		mg/L	01/10/2005 954 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-002
Client Sample ID 2V56-1
Matrix: Water

Work Order: S0501044
Collection Date: 1/4/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	6.07	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Chloride	0.96	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sulfate	6.59	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Calcium	4.31	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Magnesium	1.27	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Potassium	0.06	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sodium	8.58	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	14.24	0		meq/L	01/11/2005 1531 KA	SM 1030F
Anion Sum	13.64	0		meq/L	01/11/2005 1531 KA	SM 1030F
Cation-Anion Balance	2.15	0		%	01/11/2005 1531 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 954 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/06/2005 1324 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1324 MS	EPA 200.8
Boron	0.06	0.03		mg/L	01/10/2005 954 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1324 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 954 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1324 MS	EPA 200.8
Iron	1.13	0.05		mg/L	01/10/2005 954 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1324 MS	EPA 200.8
Manganese	0.32	0.02		mg/L	01/10/2005 954 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 1004 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1324 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 954 MH	EPA 200.7
Selenium	0.006	0.005		mg/L	01/06/2005 1324 MS	EPA 200.8
Uranium	0.206	0.0001		mg/L	01/06/2005 1324 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/06/2005 1324 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 954 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-003
Client Sample ID 2Y46-1
Matrix: Water

Work Order: S0501044
Collection Date: 1/5/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	01/06/2005 1232 KA	EPA 150.1
Electrical Conductivity	497	5		µmhos/cm	01/06/2005 1232 KA	SM 2510B
Total Dissolved Solids (180)	320	10		mg/L	01/06/2005 1043 TG	SM 2540
Solids, Total Dissolved (Calc)	290	10		mg/L	01/11/2005 1531 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	84	5		mg/L	01/06/2005 1232 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	46	1		mg/L	01/11/2005 1531 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1540 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/07/2005 1344 RM	EPA 353.2
Radium 226	17.6±2.0	0.2		pCi/L	01/13/2005 000 TWP	SM 7500 RA B
Silica as SiO2	6.2	0.1		mg/L	01/10/2005 958 MH	EPA 200.7
Sodium Adsorption Ratio	5.5	0.1			01/11/2005 1531 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	102	5		mg/L	01/06/2005 1232 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 1232 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 1232 KA	SM 2320B
Chloride	2	1		mg/L	01/06/2005 1024 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 1232 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/10/2005 950 RM	EPA 353.2
Sulfate	135	1		mg/L	01/06/2005 1024 LK	EPA 300.0
Cations						
Calcium	13	1		mg/L	01/10/2005 958 MH	EPA 200.7
Magnesium	3	1		mg/L	01/10/2005 958 MH	EPA 200.7
Potassium	1	1		mg/L	01/10/2005 958 MH	EPA 200.7
Sodium	86	1		mg/L	01/10/2005 958 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-003
Client Sample ID 2Y46-1
Matrix: Water

Work Order: S0501044
Collection Date: 1/5/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.67	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Chloride	0.06	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sulfate	2.81	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Calcium	0.66	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Magnesium	0.25	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Potassium	0.02	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sodium	3.75	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	4.70	0		meq/L	01/11/2005 1531 KA	SM 1030F
Anion Sum	4.56	0		meq/L	01/11/2005 1531 KA	SM 1030F
Cation-Anion Balance	1.57	0		%	01/11/2005 1531 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 958 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/06/2005 1327 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1327 MS	EPA 200.8
Boron	0.06	0.03		mg/L	01/10/2005 958 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1327 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 958 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1327 MS	EPA 200.8
Iron	0.28	0.05		mg/L	01/10/2005 958 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1327 MS	EPA 200.8
Manganese	0.12	0.02		mg/L	01/10/2005 958 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 1006 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1327 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 958 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/06/2005 1327 MS	EPA 200.8
Uranium	ND	0.0001		mg/L	01/06/2005 1327 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/06/2005 1327 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 958 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-004
Client Sample ID 2Z35-1
Matrix: Water

Work Order: S0501044
Collection Date: 1/5/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.4	0.1		s.u.	01/06/2005 1243 KA	EPA 150.1
Electrical Conductivity	507	5		µmhos/cm	01/06/2005 1243 KA	SM 2510B
Total Dissolved Solids (180)	340	10		mg/L	01/06/2005 1048 TG	SM 2540
Solids, Total Dissolved (Calc)	300	10		mg/L	01/11/2005 1531 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	157	5		mg/L	01/06/2005 1243 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	46	1		mg/L	01/11/2005 1531 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1541 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/07/2005 1345 RM	EPA 353.2
Radium 226	102.2±4.9	0.2		pCi/L	01/13/2005 000 TWP	SM 7500 RA B
Silica as SiO2	16.4	0.1		mg/L	01/10/2005 1005 MH	EPA 200.7
Sodium Adsorption Ratio	6.2	0.1			01/11/2005 1531 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	191	5		mg/L	01/06/2005 1243 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 1243 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 1243 KA	SM 2320B
Chloride	4	1		mg/L	01/06/2005 1037 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 1243 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/10/2005 951 RM	EPA 353.2
Sulfate	93	1		mg/L	01/06/2005 1037 LK	EPA 300.0
Cations						
Calcium	14	1		mg/L	01/10/2005 1005 MH	EPA 200.7
Magnesium	3	1		mg/L	01/10/2005 1005 MH	EPA 200.7
Potassium	1	1		mg/L	01/10/2005 1005 MH	EPA 200.7
Sodium	96	1		mg/L	01/10/2005 1005 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-004
Client Sample ID 2Z35-1
Matrix: Water

Work Order: S0501044
Collection Date: 1/5/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.13	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Chloride	0.09	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sulfate	1.93	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Calcium	0.68	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Magnesium	0.23	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Potassium	0.03	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sodium	4.18	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	5.13	0		meq/L	01/11/2005 1531 KA	SM 1030F
Anion Sum	5.16	0		meq/L	01/11/2005 1531 KA	SM 1030F
Cation-Anion Balance	0.33	0		%	01/11/2005 1531 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 1005 MH	EPA 200.7
Arsenic	0.006	0.005		mg/L	01/06/2005 1330 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1330 MS	EPA 200.8
Boron	0.06	0.03		mg/L	01/10/2005 1005 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1330 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 1005 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1330 MS	EPA 200.8
Iron	0.40	0.05		mg/L	01/10/2005 1005 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1330 MS	EPA 200.8
Manganese	0.06	0.02		mg/L	01/10/2005 1005 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 1008 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1330 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 1005 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/06/2005 1330 MS	EPA 200.8
Uranium	0.0641	0.0001		mg/L	01/06/2005 1330 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/06/2005 1330 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 1005 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-005
Client Sample ID 2P110-1
Matrix: Water

Work Order: S0501044
Collection Date: 1/5/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	01/06/2005 1255 KA	EPA 150.1
Electrical Conductivity	553	5		µmhos/cm	01/06/2005 1255 KA	SM 2510B
Total Dissolved Solids (180)	380	10		mg/L	01/06/2005 1053 TG	SM 2540
Solids, Total Dissolved (Calc)	350	10		mg/L	01/11/2005 1531 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	149	5		mg/L	01/06/2005 1255 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	223	1		mg/L	01/11/2005 1531 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.1	0.1		mg/L	01/10/2005 1542 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/07/2005 1346 RM	EPA 353.2
Radium 226	734±14	0.2		pCi/L	01/13/2005 000 TWP	SM 7500 RA B
Silica as SiO2	6.5	0.1		mg/L	01/10/2005 1009 MH	EPA 200.7
Sodium Adsorption Ratio	1.1	0.1			01/11/2005 1531 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	182	5		mg/L	01/06/2005 1255 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 1255 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 1255 KA	SM 2320B
Chloride	2	1		mg/L	01/06/2005 1050 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 1255 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/10/2005 952 RM	EPA 353.2
Sulfate	132	1		mg/L	01/06/2005 1050 LK	EPA 300.0
Cations						
Calcium	81	1		mg/L	01/10/2005 1009 MH	EPA 200.7
Magnesium	5	1		mg/L	01/10/2005 1009 MH	EPA 200.7
Potassium	ND	1		mg/L	01/10/2005 1009 MH	EPA 200.7
Sodium	37	1		mg/L	01/10/2005 1009 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-005
Client Sample ID 2P110-1
Matrix: Water

Work Order: S0501044
Collection Date: 1/5/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.98	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Chloride	0.04	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sulfate	2.74	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Calcium	4.03	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Magnesium	0.42	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Potassium	0.01	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sodium	1.58	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	6.07	0		meq/L	01/11/2005 1531 KA	SM 1030F
Anion Sum	5.77	0		meq/L	01/11/2005 1531 KA	SM 1030F
Cation-Anion Balance	2.53	0		%	01/11/2005 1531 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 1009 MH	EPA 200.7
Arsenic	0.012	0.005		mg/L	01/06/2005 1333 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1333 MS	EPA 200.8
Boron	0.06	0.03		mg/L	01/10/2005 1009 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1333 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 1009 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1333 MS	EPA 200.8
Iron	1.34	0.05		mg/L	01/10/2005 1009 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1333 MS	EPA 200.8
Manganese	0.31	0.02		mg/L	01/10/2005 1009 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 1010 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1333 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 1009 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/06/2005 1333 MS	EPA 200.8
Uranium	0.324	0.0001		mg/L	01/06/2005 1333 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/06/2005 1333 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 1009 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-006
Client Sample ID 2S100-2
Matrix: Water

Work Order: S0501044
Collection Date: 1/5/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	01/06/2005 1307 KA	EPA 150.1
Electrical Conductivity	1200	5		µmhos/cm	01/06/2005 1307 KA	SM 2510B
Total Dissolved Solids (180)	820	10		mg/L	01/06/2005 1058 TG	SM 2540
Solids, Total Dissolved (Calc)	750	10		mg/L	01/11/2005 1531 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	426	5		mg/L	01/06/2005 1307 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	203	1		mg/L	01/11/2005 1531 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1543 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/07/2005 1347 RM	EPA 353.2
Radium 226	655±13	0.2		pCi/L	01/13/2005 000 TWP	SM 7500 RA B
Silica as SIO2	8.3	0.1		mg/L	01/10/2005 1013 MH	EPA 200.7
Sodium Adsorption Ratio	6.4	0.1			01/11/2005 1531 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	520	5		mg/L	01/06/2005 1307 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 1307 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 1307 KA	SM 2320B
Chloride	19	1		mg/L	01/06/2005 1103 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 1307 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/10/2005 1001 RM	EPA 353.2
Sulfate	193	1		mg/L	01/06/2005 1103 LK	EPA 300.0
Cations						
Calcium	65	1		mg/L	01/10/2005 1013 MH	EPA 200.7
Magnesium	10	1		mg/L	01/10/2005 1013 MH	EPA 200.7
Potassium	3	1		mg/L	01/10/2005 1013 MH	EPA 200.7
Sodium	208	1		mg/L	01/10/2005 1013 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-006
Client Sample ID 2S100-2
Matrix: Water

Work Order: S0501044
Collection Date: 1/5/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	8.51	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Chloride	0.52	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sulfate	4.01	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Calcium	3.22	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Magnesium	0.83	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Potassium	0.07	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sodium	9.06	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	13.19	0		meq/L	01/11/2005 1531 KA	SM 1030F
Anion Sum	13.05	0		meq/L	01/11/2005 1531 KA	SM 1030F
Cation-Anion Balance	0.52	0		%	01/11/2005 1531 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 1013 MH	EPA 200.7
Arsenic	0.006	0.005		mg/L	01/06/2005 1335 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1335 MS	EPA 200.8
Boron	0.05	0.03		mg/L	01/10/2005 1013 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1335 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 1013 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1335 MS	EPA 200.8
Iron	0.62	0.05		mg/L	01/10/2005 1013 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1335 MS	EPA 200.8
Manganese	0.38	0.02		mg/L	01/10/2005 1013 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 1012 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1335 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 1013 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/06/2005 1335 MS	EPA 200.8
Uranium	4.46	0.0001		mg/L	01/06/2005 1335 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/06/2005 1335 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 1013 MH	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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-007
Client Sample ID 2R115-1
Matrix: Water

Work Order: S0501044
Collection Date: 1/5/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	01/06/2005 1319 KA	EPA 150.1
Electrical Conductivity	1080	5		µmhos/cm	01/06/2005 1319 KA	SM 2510B
Total Dissolved Solids (180)	730	10		mg/L	01/06/2005 1103 TG	SM 2540
Solids, Total Dissolved (Calc)	700	10		mg/L	01/11/2005 1531 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	339	5		mg/L	01/06/2005 1319 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	249	1		mg/L	01/11/2005 1531 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1550 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/07/2005 1348 RM	EPA 353.2
Radium 226	148.4±6.1	0.2		pCi/L	01/13/2005 000 TWP	SM 7500 RA B
Silica as SIO2	7.4	0.1		mg/L	01/10/2005 1016 MH	EPA 200.7
Sodium Adsorption Ratio	4.6	0.1			01/11/2005 1531 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	414	5		mg/L	01/06/2005 1319 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 1319 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 1319 KA	SM 2320B
Chloride	17	1		mg/L	01/06/2005 1130 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 1319 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/10/2005 1002 RM	EPA 353.2
Sulfate	211	1		mg/L	01/06/2005 1130 LK	EPA 300.0
Cations						
Calcium	86	1		mg/L	01/10/2005 1016 MH	EPA 200.7
Magnesium	8	1		mg/L	01/10/2005 1016 MH	EPA 200.7
Potassium	ND	1		mg/L	01/10/2005 1016 MH	EPA 200.7
Sodium	169	1		mg/L	01/10/2005 1016 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-007
Client Sample ID 2R115-1
Matrix: Water

Work Order: S0501044
Collection Date: 1/5/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	6.77	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Chloride	0.46	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sulfate	4.38	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Calcium	4.30	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Magnesium	0.68	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Potassium	0.02	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sodium	7.34	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	12.34	0		meq/L	01/11/2005 1531 KA	SM 1030F
Anion Sum	11.63	0		meq/L	01/11/2005 1531 KA	SM 1030F
Cation-Anion Balance	2.97	0		%	01/11/2005 1531 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 1016 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/06/2005 1338 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1338 MS	EPA 200.8
Boron	0.05	0.03		mg/L	01/10/2005 1016 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1338 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 1016 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1338 MS	EPA 200.8
Iron	0.35	0.05		mg/L	01/10/2005 1016 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1338 MS	EPA 200.8
Manganese	0.18	0.02		mg/L	01/10/2005 1016 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 1014 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1338 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 1016 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/06/2005 1338 MS	EPA 200.8
Uranium	0.165	0.0001		mg/L	01/06/2005 1338 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/06/2005 1338 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 1016 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-008
Client Sample ID 2S88-1
Matrix: Water

Work Order: S0501044
Collection Date: 1/5/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	01/06/2005 1330 KA	EPA 150.1
Electrical Conductivity	848	5		µmhos/cm	01/06/2005 1330 KA	SM 2510B
Total Dissolved Solids (180)	600	10		mg/L	01/06/2005 1108 TG	SM 2540
Solids, Total Dissolved (Calc)	550	10		mg/L	01/11/2005 1531 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	238	5		mg/L	01/06/2005 1330 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	317	1		mg/L	01/11/2005 1531 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1551 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/07/2005 1349 RM	EPA 353.2
Radium 226	748±14	0.2		pCi/L	01/13/2005 000 TWP	SM 7500 RA B
Silica as SiO2	6.7	0.1		mg/L	01/10/2005 1035 MH	EPA 200.7
Sodium Adsorption Ratio	1.8	0.1			01/11/2005 1531 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	290	5		mg/L	01/06/2005 1330 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 1330 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 1330 KA	SM 2320B
Chloride	6	1		mg/L	01/06/2005 1143 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 1330 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/10/2005 1003 RM	EPA 353.2
Sulfate	206	1		mg/L	01/06/2005 1143 LK	EPA 300.0
Cations						
Calcium	114	1		mg/L	01/10/2005 1035 MH	EPA 200.7
Magnesium	8	1		mg/L	01/10/2005 1035 MH	EPA 200.7
Potassium	1	1		mg/L	01/10/2005 1035 MH	EPA 200.7
Sodium	73	1		mg/L	01/10/2005 1035 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-008
Client Sample ID 2S88-1
Matrix: Water

Work Order: S0501044
Collection Date: 1/5/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.75	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Chloride	0.16	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sulfate	4.28	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Calcium	5.69	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Magnesium	0.65	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Potassium	0.03	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sodium	3.16	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	9.55	0		meq/L	01/11/2005 1531 KA	SM 1030F
Anion Sum	9.20	0		meq/L	01/11/2005 1531 KA	SM 1030F
Cation-Anion Balance	1.87	0		%	01/11/2005 1531 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 1035 MH	EPA 200.7
Arsenic	0.022	0.005		mg/L	01/06/2005 1341 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1341 MS	EPA 200.8
Boron	0.05	0.03		mg/L	01/10/2005 1035 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1341 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 1035 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1341 MS	EPA 200.8
Iron	0.20	0.05		mg/L	01/10/2005 1035 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1341 MS	EPA 200.8
Manganese	0.38	0.02		mg/L	01/10/2005 1035 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 1015 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1341 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 1035 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/06/2005 1341 MS	EPA 200.8
Uranium	0.294	0.0001		mg/L	01/06/2005 1341 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/06/2005 1341 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 1035 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-009
Client Sample ID 2T92-2
Matrix: Water

Work Order: S0501044
Collection Date: 1/5/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	01/06/2005 1347 KA	EPA 150.1
Electrical Conductivity	1010	5		µmhos/cm	01/06/2005 1347 KA	SM 2510B
Total Dissolved Solids (180)	680	10		mg/L	01/06/2005 1113 TG	SM 2540
Solids, Total Dissolved (Calc)	630	10		mg/L	01/11/2005 1531 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	399	5		mg/L	01/06/2005 1347 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	277	1		mg/L	01/11/2005 1531 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1552 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/07/2005 1350 RM	EPA 353.2
Radium 226	186.9±4.7	0.2		pCi/L	01/13/2005 000 TWP	SM 7500 RA B
Silica as SiO2	7.8	0.1		mg/L	01/10/2005 1039 MH	EPA 200.7
Sodium Adsorption Ratio	3.5	0.1			01/11/2005 1531 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	487	5		mg/L	01/06/2005 1347 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 1347 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 1347 KA	SM 2320B
Chloride	15	1		mg/L	01/06/2005 1157 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 1347 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/10/2005 1004 RM	EPA 353.2
Sulfate	140	1		mg/L	01/06/2005 1157 LK	EPA 300.0
Cations						
Calcium	93	1		mg/L	01/10/2005 1039 MH	EPA 200.7
Magnesium	11	1		mg/L	01/10/2005 1039 MH	EPA 200.7
Potassium	1	1		mg/L	01/10/2005 1039 MH	EPA 200.7
Sodium	134	1		mg/L	01/10/2005 1039 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-009
Client Sample ID 2T92-2
Matrix: Water

Work Order: S0501044
Collection Date: 1/5/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	7.98	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Chloride	0.41	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sulfate	2.92	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Calcium	4.65	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Magnesium	0.87	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Potassium	0.03	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sodium	5.82	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	11.39	0		meq/L	01/11/2005 1531 KA	SM 1030F
Anion Sum	11.32	0		meq/L	01/11/2005 1531 KA	SM 1030F
Cation-Anion Balance	0.29	0		%	01/11/2005 1531 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 1039 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/06/2005 1344 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1344 MS	EPA 200.8
Boron	0.06	0.03		mg/L	01/10/2005 1039 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1344 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 1039 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1344 MS	EPA 200.8
Iron	0.05	0.05		mg/L	01/10/2005 1039 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1344 MS	EPA 200.8
Manganese	0.21	0.02		mg/L	01/10/2005 1039 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 1017 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1344 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 1039 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/06/2005 1344 MS	EPA 200.8
Uranium	1.27	0.0001		mg/L	01/06/2005 1344 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/06/2005 1344 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 1039 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-010
Client Sample ID 2T95-1
Matrix: Water

Work Order: S0501044
Collection Date: 1/5/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.5	0.1		s.u.	01/06/2005 1358 KA	EPA 150.1
Electrical Conductivity	752	5		µmhos/cm	01/06/2005 1358 KA	SM 2510B
Total Dissolved Solids (180)	510	10		mg/L	01/06/2005 1118 TG	SM 2540
Solids, Total Dissolved (Calc)	460	10		mg/L	01/11/2005 1531 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	242	5		mg/L	01/06/2005 1358 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	115	1		mg/L	01/11/2005 1531 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1553 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/07/2005 1351 RM	EPA 353.2
Radium 226	147.1±6.1	0.2		pCi/L	01/13/2005 000 TWP	SM 7500 RA B
Silica as SiO2	13.0	0.1		mg/L	01/10/2005 1042 MH	EPA 200.7
Sodium Adsorption Ratio	5.2	0.1			01/11/2005 1531 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	296	5		mg/L	01/06/2005 1358 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 1358 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 1358 KA	SM 2320B
Chloride	8	1		mg/L	01/06/2005 1210 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 1358 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/10/2005 1005 RM	EPA 353.2
Sulfate	135	1		mg/L	01/06/2005 1210 LK	EPA 300.0
Cations						
Calcium	35	1		mg/L	01/10/2005 1042 MH	EPA 200.7
Magnesium	7	1		mg/L	01/10/2005 1042 MH	EPA 200.7
Potassium	2	1		mg/L	01/10/2005 1042 MH	EPA 200.7
Sodium	128	1		mg/L	01/10/2005 1042 MH	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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501044001

Project: Cogema Christensen Mine
Lab ID: S0501044-010
Client Sample ID 2T95-1
Matrix: Water

Work Order: S0501044
Collection Date: 1/5/2005
Date Received: 1/5/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.84	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Chloride	0.22	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sulfate	2.82	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Calcium	1.73	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Magnesium	0.55	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Potassium	0.04	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Sodium	5.56	0.01		meq/L	01/11/2005 1531 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	7.90	0		meq/L	01/11/2005 1531 KA	SM 1030F
Anion Sum	7.89	0		meq/L	01/11/2005 1531 KA	SM 1030F
Cation-Anion Balance	0.06	0		%	01/11/2005 1531 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 1042 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/06/2005 1347 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1347 MS	EPA 200.8
Boron	0.05	0.03		mg/L	01/10/2005 1042 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1347 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 1042 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1347 MS	EPA 200.8
Iron	0.43	0.05		mg/L	01/10/2005 1042 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1347 MS	EPA 200.8
Manganese	0.14	0.02		mg/L	01/10/2005 1042 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 1019 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1347 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 1042 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/06/2005 1347 MS	EPA 200.8
Uranium	0.0754	0.0001		mg/L	01/06/2005 1347 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/06/2005 1347 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 1042 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
- 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

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 1-4-05 Received by [illegible] Date 1/4/05

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

Restoration Phase: ___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
X Stabilization (explain Rounds 4 of 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	Lab id	Comments
1	2AE30-1	1-4-05	Half Gal.	X		X		01034-001	
			Quart	X					"
			8 ozs.		X				"
			8 ozs.	X			X		"
2	2AE16-1		**	**	**	**	**		002
3	2AD36-1		**	**	**	**	**		003
4	2AF34-1		**	**	**	**	**		004
5	2AA28-1		**	**	**	**	**		005
6	2AB31-1		**	**	**	**	**		006
7	2AD29-1		**	**	**	**	**		007
8	2AA58-1		**	**	**	**	**		008
9	2AA50-1		**	**	**	**	**		009
10	2AA38-1		**	**	**	**	**		010
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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-001
Client Sample ID 2AI30-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	01/06/2005 937 KA	EPA 150.1
Electrical Conductivity	658	5		µmhos/cm	01/06/2005 937 KA	SM 2510B
Total Dissolved Solids (180)	440	10		mg/L	01/06/2005 1008 TG	SM 2540
Solids, Total Dissolved (Calc)	410	10		mg/L	01/10/2005 1525 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	236	5		mg/L	01/06/2005 937 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	190	1		mg/L	01/10/2005 1525 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1522 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/05/2005 1329 RM	EPA 353.2
Radium 226	220.9±7.2	0.2		pCi/L	01/12/2005 000 TWP	SM 7500 RA B
Silica as SiO2	9.0	0.1		mg/L	01/10/2005 858 MH	EPA 200.7
Sodium Adsorption Ratio	2.4	0.1			01/10/2005 1525 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	288	5		mg/L	01/06/2005 937 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 937 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 937 KA	SM 2320B
Chloride	2	1		mg/L	01/05/2005 1247 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 937 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/06/2005 1005 RM	EPA 353.2
Sulfate	114	1		mg/L	01/05/2005 1247 LK	EPA 300.0
Cations						
Calcium	67	1		mg/L	01/10/2005 858 MH	EPA 200.7
Magnesium	6	1		mg/L	01/10/2005 858 MH	EPA 200.7
Potassium	1	1		mg/L	01/10/2005 858 MH	EPA 200.7
Sodium	78	1		mg/L	01/10/2005 858 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-001
Client Sample ID 2AI30-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.71	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Chloride	0.06	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sulfate	2.36	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Calcium	3.34	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Magnesium	0.46	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Potassium	0.02	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sodium	3.37	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	7.21	0		meq/L	01/10/2005 1525 KA	SM 1030F
Anion Sum	7.14	0		meq/L	01/10/2005 1525 KA	SM 1030F
Cation-Anion Balance	0.43	0		%	01/10/2005 1525 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 858 MH	EPA 200.7
Arsenic	0.014	0.005		mg/L	01/06/2005 1159 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1159 MS	EPA 200.8
Boron	0.06	0.03		mg/L	01/10/2005 858 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1159 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 858 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1159 MS	EPA 200.8
Iron	0.53	0.05		mg/L	01/10/2005 858 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1159 MS	EPA 200.8
Manganese	0.75	0.02		mg/L	01/10/2005 858 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 928 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1159 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 858 MH	EPA 200.7
Selenium	0.005	0.005		mg/L	01/06/2005 1159 MS	EPA 200.8
Uranium	0.250	0.0001		mg/L	01/06/2005 1159 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/06/2005 1159 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 858 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-002
Client Sample ID 2AE16-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	01/06/2005 949 KA	EPA 150.1
Electrical Conductivity	799	5		µmhos/cm	01/06/2005 949 KA	SM 2510B
Total Dissolved Solids (180)	540	10		mg/L	01/06/2005 1008 TG	SM 2540
Solids, Total Dissolved (Calc)	510	10		mg/L	01/10/2005 1525 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	197	5		mg/L	01/06/2005 949 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	213	1		mg/L	01/10/2005 1525 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.1	0.1		mg/L	01/10/2005 1523 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/05/2005 1330 RM	EPA 353.2
Radium 226	117.2±5.3	0.2		pCi/L	01/12/2005 000 TWP	SM 7500 RA B
Silica as SIO2	9.1	0.1		mg/L	01/10/2005 902 MH	EPA 200.7
Sodium Adsorption Ratio	3.0	0.1			01/10/2005 1525 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	241	5		mg/L	01/06/2005 949 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 949 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 949 KA	SM 2320B
Chloride	7	1		mg/L	01/05/2005 1407 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 949 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/08/2005 1006 RM	EPA 353.2
Sulfate	203	1		mg/L	01/05/2005 1407 LK	EPA 300.0
Cations						
Calcium	72	1		mg/L	01/10/2005 902 MH	EPA 200.7
Magnesium	8	1		mg/L	01/10/2005 902 MH	EPA 200.7
Potassium	1	1		mg/L	01/10/2005 902 MH	EPA 200.7
Sodium	99	1		mg/L	01/10/2005 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-002
Client Sample ID 2AE16-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.94	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Chloride	0.20	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sulfate	4.22	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Calcium	3.59	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Magnesium	0.67	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Potassium	0.03	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sodium	4.31	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	8.61	0		meq/L	01/10/2005 1525 KA	SM 1030F
Anion Sum	8.37	0		meq/L	01/10/2005 1525 KA	SM 1030F
Cation-Anion Balance	1.39	0		%	01/10/2005 1525 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 902 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/06/2005 1208 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1208 MS	EPA 200.8
Boron	0.05	0.03		mg/L	01/10/2005 902 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1208 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 902 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1208 MS	EPA 200.8
Iron	0.47	0.05		mg/L	01/10/2005 902 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1208 MS	EPA 200.8
Manganese	0.35	0.02		mg/L	01/10/2005 902 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 934 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1208 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 902 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/06/2005 1208 MS	EPA 200.8
Uranium	0.0925	0.0001		mg/L	01/06/2005 1208 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/06/2005 1208 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-003
Client Sample ID 2AD26-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	01/06/2005 1008 KA	EPA 150.1
Electrical Conductivity	917	5		µmhos/cm	01/06/2005 1008 KA	SM 2510B
Total Dissolved Solids (180)	630	10		mg/L	01/06/2005 1008 TG	SM 2540
Solids, Total Dissolved (Calc)	580	10		mg/L	01/10/2005 1525 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	274	5		mg/L	01/06/2005 1008 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	215	1		mg/L	01/10/2005 1525 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1524 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/05/2005 1331 RM	EPA 353.2
Radium 226	269.4±8.1	0.2		pCi/L	01/12/2005 000 TWP	SM 7500 RA B
Silica as SiO2	9.8	0.1		mg/L	01/10/2005 909 MH	EPA 200.7
Sodium Adsorption Ratio	3.6	0.1			01/10/2005 1525 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	335	5		mg/L	01/06/2005 1008 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 1008 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 1008 KA	SM 2320B
Chloride	10	1		mg/L	01/05/2005 1420 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 1008 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/06/2005 1007 RM	EPA 353.2
Sulfate	198	1		mg/L	01/05/2005 1420 LK	EPA 300.0
Cations						
Calcium	69	1		mg/L	01/10/2005 909 MH	EPA 200.7
Magnesium	11	1		mg/L	01/10/2005 909 MH	EPA 200.7
Potassium	2	1		mg/L	01/10/2005 909 MH	EPA 200.7
Sodium	123	1		mg/L	01/10/2005 909 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-003
Client Sample ID 2AD26-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	5.48	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Chloride	0.29	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sulfate	4.11	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Calcium	3.41	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Magnesium	0.87	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Potassium	0.04	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sodium	5.34	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	9.69	0		meq/L	01/10/2005 1525 KA	SM 1030F
Anion Sum	9.89	0		meq/L	01/10/2005 1525 KA	SM 1030F
Cation-Anion Balance	1.03	0		%	01/10/2005 1525 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 909 MH	EPA 200.7
Arsenic	0.006	0.005		mg/L	01/06/2005 1211 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1211 MS	EPA 200.8
Boron	0.06	0.03		mg/L	01/10/2005 909 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1211 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 909 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1211 MS	EPA 200.8
Iron	1.09	0.05		mg/L	01/10/2005 909 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1211 MS	EPA 200.8
Manganese	0.58	0.02		mg/L	01/10/2005 909 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 940 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1211 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 909 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/06/2005 1211 MS	EPA 200.8
Uranium	0.476	0.0001		mg/L	01/06/2005 1211 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/06/2005 1211 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 909 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-004
Client Sample ID 2AF34-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	01/06/2005 1019 KA	EPA 150.1
Electrical Conductivity	593	5		µmhos/cm	01/06/2005 1019 KA	SM 2510B
Total Dissolved Solids (180)	400	10		mg/L	01/06/2005 1008 TG	SM 2540
Solids, Total Dissolved (Calc)	340	10		mg/L	01/10/2005 1525 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	175	5		mg/L	01/06/2005 1019 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	79	1		mg/L	01/10/2005 1525 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1525 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/05/2005 1332 RM	EPA 353.2
Radium 226	226.2±7.5	0.2		pCi/L	01/12/2005 000 TWP	SM 7500 RA B
Silica as SIO2	11.8	0.1		mg/L	01/10/2005 913 MH	EPA 200.7
Sodium Adsorption Ratio	4.8	0.1			01/10/2005 1525 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	213	5		mg/L	01/06/2005 1019 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 1019 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 1019 KA	SM 2320B
Chloride	7	1		mg/L	01/05/2005 1433 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 1019 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/06/2005 1008 RM	EPA 353.2
Sulfate	103	1		mg/L	01/05/2005 1433 LK	EPA 300.0
Cations						
Calcium	25	1		mg/L	01/10/2005 913 MH	EPA 200.7
Magnesium	4	1		mg/L	01/10/2005 913 MH	EPA 200.7
Potassium	1	1		mg/L	01/10/2005 913 MH	EPA 200.7
Sodium	98	1		mg/L	01/10/2005 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-004
Client Sample ID 2AF34-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.49	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Chloride	0.19	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sulfate	2.14	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Calcium	1.26	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Magnesium	0.32	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Potassium	0.03	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sodium	4.25	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	5.88	0		meq/L	01/10/2005 1525 KA	SM 1030F
Anion Sum	5.83	0		meq/L	01/10/2005 1525 KA	SM 1030F
Cation-Anion Balance	0.39	0		%	01/10/2005 1525 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 913 MH	EPA 200.7
Arsenic	0.006	0.005		mg/L	01/06/2005 1213 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1213 MS	EPA 200.8
Boron	0.06	0.03		mg/L	01/10/2005 913 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1213 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 913 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1213 MS	EPA 200.8
Iron	0.99	0.05		mg/L	01/10/2005 913 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1213 MS	EPA 200.8
Manganese	0.15	0.02		mg/L	01/10/2005 913 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 942 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1213 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 913 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/06/2005 1213 MS	EPA 200.8
Uranium	0.554	0.0001		mg/L	01/06/2005 1213 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/06/2005 1213 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-005
Client Sample ID 2AA28-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	01/06/2005 1030 KA	EPA 150.1
Electrical Conductivity	733	5		µmhos/cm	01/06/2005 1030 KA	SM 2510B
Total Dissolved Solids (180)	510	10		mg/L	01/06/2005 1008 TG	SM 2540
Solids, Total Dissolved (Calc)	450	10		mg/L	01/10/2005 1525 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	148	5		mg/L	01/06/2005 1030 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	118	1		mg/L	01/10/2005 1525 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1526 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/05/2005 1333 RM	EPA 353.2
Radium 226	201.9±7.0	0.2		pCi/L	01/12/2005 000 TWP	SM 7500 RA B
Silica as SIO2	12.8	0.1		mg/L	01/10/2005 917 MH	EPA 200.7
Sodium Adsorption Ratio	4.6	0.1			01/10/2005 1525 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	181	5		mg/L	01/06/2005 1030 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 1030 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 1030 KA	SM 2320B
Chloride	9	1		mg/L	01/05/2005 1447 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 1030 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/06/2005 1009 RM	EPA 353.2
Sulfate	196	1		mg/L	01/05/2005 1447 LK	EPA 300.0
Cations						
Calcium	36	1		mg/L	01/10/2005 917 MH	EPA 200.7
Magnesium	7	1		mg/L	01/10/2005 917 MH	EPA 200.7
Potassium	2	1		mg/L	01/10/2005 917 MH	EPA 200.7
Sodium	116	1		mg/L	01/10/2005 917 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-005
Client Sample ID 2AA28-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.96	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Chloride	0.25	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sulfate	4.07	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Calcium	1.81	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Magnesium	0.53	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Potassium	0.03	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sodium	5.02	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	7.41	0		meq/L	01/10/2005 1525 KA	SM 1030F
Anion Sum	7.30	0		meq/L	01/10/2005 1525 KA	SM 1030F
Cation-Anion Balance	0.75	0		%	01/10/2005 1525 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 917 MH	EPA 200.7
Arsenic	0.061	0.005		mg/L	01/06/2005 1216 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1216 MS	EPA 200.8
Boron	0.07	0.03		mg/L	01/10/2005 917 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1216 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 917 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1216 MS	EPA 200.8
Iron	2.51	0.05		mg/L	01/10/2005 917 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1216 MS	EPA 200.8
Manganese	0.32	0.02		mg/L	01/10/2005 917 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 943 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1216 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 917 MH	EPA 200.7
Selenium	0.012	0.005		mg/L	01/06/2005 1216 MS	EPA 200.8
Uranium	0.0618	0.0001		mg/L	01/06/2005 1216 MS	EPA 200.8
Vanadium	0.04	0.02		mg/L	01/06/2005 1216 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 917 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-006
Client Sample ID 2AG31-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.5	0.1		s.u.	01/06/2005 1040 KA	EPA 150.1
Electrical Conductivity	774	5		µmhos/cm	01/06/2005 1040 KA	SM 2510B
Total Dissolved Solids (180)	560	10		mg/L	01/06/2005 1008 TG	SM 2540
Solids, Total Dissolved (Calc)	490	10		mg/L	01/10/2005 1525 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	165	5		mg/L	01/06/2005 1040 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	163	1		mg/L	01/10/2005 1525 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1527 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/05/2005 1334 RM	EPA 353.2
Radium 226	120.3±5.4	0.2		pCi/L	01/12/2005 000 TWP	SM 7500 RA B
Silica as SiO2	16.1	0.1		mg/L	01/10/2005 921 MH	EPA 200.7
Sodium Adsorption Ratio	3.8	0.1			01/10/2005 1525 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	201	5		mg/L	01/06/2005 1040 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 1040 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 1040 KA	SM 2320B
Chloride	6	1		mg/L	01/05/2005 1500 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 1040 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/06/2005 1010 RM	EPA 353.2
Sulfate	211	1		mg/L	01/05/2005 1500 LK	EPA 300.0
Cations						
Calcium	51	1		mg/L	01/10/2005 921 MH	EPA 200.7
Magnesium	9	1		mg/L	01/10/2005 921 MH	EPA 200.7
Potassium	2	1		mg/L	01/10/2005 921 MH	EPA 200.7
Sodium	112	1		mg/L	01/10/2005 921 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-006
Client Sample ID 2AG31-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.29	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Chloride	0.16	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sulfate	4.38	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Calcium	2.54	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Magnesium	0.71	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Potassium	0.03	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sodium	4.85	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	8.15	0		meq/L	01/10/2005 1525 KA	SM 1030F
Anion Sum	7.84	0		meq/L	01/10/2005 1525 KA	SM 1030F
Cation-Anion Balance	1.87	0		%	01/10/2005 1525 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 921 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/06/2005 1219 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1219 MS	EPA 200.8
Boron	0.06	0.03		mg/L	01/10/2005 921 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1219 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 921 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1219 MS	EPA 200.8
Iron	0.11	0.05		mg/L	01/10/2005 921 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1219 MS	EPA 200.8
Manganese	0.17	0.02		mg/L	01/10/2005 921 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 945 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1219 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 921 MH	EPA 200.7
Selenium	0.009	0.005		mg/L	01/06/2005 1219 MS	EPA 200.8
Uranium	0.0788	0.0001		mg/L	01/06/2005 1219 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/06/2005 1219 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 921 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-007
Client Sample ID 2AD29-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.5	0.1		s.u.	01/06/2005 1052 KA	EPA 150.1
Electrical Conductivity	1440	5		µmhos/cm	01/06/2005 1052 KA	SM 2510B
Total Dissolved Solids (180)	1050	10		mg/L	01/06/2005 1008 TG	SM 2540
Solids, Total Dissolved (Calc)	960	10		mg/L	01/10/2005 1525 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	314	5		mg/L	01/06/2005 1052 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	269	1		mg/L	01/10/2005 1525 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1534 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/05/2005 1335 RM	EPA 353.2
Radium 226	218.0±7.2	0.2		pCi/L	01/13/2005 000 TWP	SM 7500 RA B
Silica as SiO2	16.9	0.1		mg/L	01/10/2005 924 MH	EPA 200.7
Sodium Adsorption Ratio	6.4	0.1			01/10/2005 1525 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	384	5		mg/L	01/06/2005 1052 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 1052 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 1052 KA	SM 2320B
Chloride	18	1		mg/L	01/05/2005 1513 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 1052 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/06/2005 1011 RM	EPA 353.2
Sulfate	410	1		mg/L	01/05/2005 1513 LK	EPA 300.0
Cations						
Calcium	77	1		mg/L	01/10/2005 924 MH	EPA 200.7
Magnesium	19	1		mg/L	01/10/2005 924 MH	EPA 200.7
Potassium	3	1		mg/L	01/10/2005 924 MH	EPA 200.7
Sodium	242	1		mg/L	01/10/2005 924 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-007
Client Sample ID 2AD29-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	6.28	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Chloride	0.49	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sulfate	8.54	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Calcium	3.86	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Magnesium	1.52	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Potassium	0.07	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sodium	10.50	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	15.96	0		meq/L	01/10/2005 1525 KA	SM 1030F
Anion Sum	15.32	0		meq/L	01/10/2005 1525 KA	SM 1030F
Cation-Anion Balance	2.02	0		%	01/10/2005 1525 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 924 MH	EPA 200.7
Arsenic	0.008	0.005		mg/L	01/06/2005 1222 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1222 MS	EPA 200.8
Boron	0.07	0.03		mg/L	01/10/2005 924 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1222 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 924 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1222 MS	EPA 200.8
Iron	1.10	0.05		mg/L	01/10/2005 924 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1222 MS	EPA 200.8
Manganese	0.33	0.02		mg/L	01/10/2005 924 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 947 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1222 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 924 MH	EPA 200.7
Selenium	0.012	0.005		mg/L	01/06/2005 1222 MS	EPA 200.8
Uranium	0.0718	0.0001		mg/L	01/06/2005 1222 MS	EPA 200.8
Vanadium	0.04	0.02		mg/L	01/06/2005 1222 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 924 MH	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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-008
Client Sample ID 2U52-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	01/06/2005 1104 KA	EPA 150.1
Electrical Conductivity	866	5		µmhos/cm	01/06/2005 1104 KA	SM 2510B
Total Dissolved Solids (180)	650	10		mg/L	01/06/2005 1008 TG	SM 2540
Solids, Total Dissolved (Calc)	580	10		mg/L	01/10/2005 1525 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	213	5		mg/L	01/06/2005 1104 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	316	1		mg/L	01/10/2005 1525 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1535 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/05/2005 1336 RM	EPA 353.2
Radium 226	113.4±5.9	0.2		pCi/L	01/13/2005 000 TWP	SM 7500 RA B
Silica as SiO2	8.3	0.1		mg/L	01/10/2005 928 MH	EPA 200.7
Sodium Adsorption Ratio	1.9	0.1			01/10/2005 1525 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	261	5		mg/L	01/06/2005 1104 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 1104 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 1104 KA	SM 2320B
Chloride	4	1		mg/L	01/05/2005 1527 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 1104 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/06/2005 1012 RM	EPA 353.2
Sulfate	244	1		mg/L	01/05/2005 1527 LK	EPA 300.0
Cations						
Calcium	112	1		mg/L	01/10/2005 928 MH	EPA 200.7
Magnesium	9	1		mg/L	01/10/2005 928 MH	EPA 200.7
Potassium	1	1		mg/L	01/10/2005 928 MH	EPA 200.7
Sodium	78	1		mg/L	01/10/2005 928 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-008
Client Sample ID 2U52-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.27	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Chloride	0.09	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sulfate	5.07	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Calcium	5.57	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Magnesium	0.75	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Potassium	0.02	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sodium	3.38	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	9.73	0		meq/L	01/10/2005 1525 KA	SM 1030F
Anion Sum	9.44	0		meq/L	01/10/2005 1525 KA	SM 1030F
Cation-Anion Balance	1.51	0		%	01/10/2005 1525 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 928 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/06/2005 1225 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1225 MS	EPA 200.8
Boron	0.06	0.03		mg/L	01/10/2005 928 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1225 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 928 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1225 MS	EPA 200.8
Iron	0.51	0.05		mg/L	01/10/2005 928 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1225 MS	EPA 200.8
Manganese	1.83	0.02		mg/L	01/10/2005 928 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 949 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1225 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 928 MH	EPA 200.7
Selenium	0.010	0.005		mg/L	01/06/2005 1225 MS	EPA 200.8
Uranium	0.0051	0.0001		mg/L	01/06/2005 1225 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/06/2005 1225 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 928 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-009
Client Sample ID 2W50-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	01/06/2005 1115 KA	EPA 150.1
Electrical Conductivity	642	5		µmhos/cm	01/06/2005 1115 KA	SM 2510B
Total Dissolved Solids (180)	450	10		mg/L	01/06/2005 1008 TG	SM 2540
Solids, Total Dissolved (Calc)	400	10		mg/L	01/10/2005 1525 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	174	5		mg/L	01/06/2005 1115 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	161	1		mg/L	01/10/2005 1525 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.1	0.1		mg/L	01/10/2005 1536 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/05/2005 1337 RM	EPA 353.2
Radium 226	62.4±3.9	0.2		pCi/L	01/13/2005 000 TWP	SM 7500 RA B
Silica as SiO2	9.8	0.1		mg/L	01/10/2005 932 MH	EPA 200.7
Sodium Adsorption Ratio	2.8	0.1			01/10/2005 1525 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	212	5		mg/L	01/06/2005 1115 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 1115 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 1115 KA	SM 2320B
Chloride	5	1		mg/L	01/05/2005 1540 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 1115 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/06/2005 1023 RM	EPA 353.2
Sulfate	144	1		mg/L	01/05/2005 1540 LK	EPA 300.0
Cations						
Calcium	52	1		mg/L	01/10/2005 932 MH	EPA 200.7
Magnesium	7	1		mg/L	01/10/2005 932 MH	EPA 200.7
Potassium	1	1		mg/L	01/10/2005 932 MH	EPA 200.7
Sodium	82	1		mg/L	01/10/2005 932 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
- 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.
1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-009
Client Sample ID 2W50-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.47	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Chloride	0.13	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sulfate	3.00	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Calcium	2.60	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Magnesium	0.60	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Potassium	0.02	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sodium	3.55	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	6.79	0		meq/L	01/10/2005 1525 KA	SM 1030F
Anion Sum	6.61	0		meq/L	01/10/2005 1525 KA	SM 1030F
Cation-Anion Balance	1.34	0		%	01/10/2005 1525 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 932 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/06/2005 1227 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1227 MS	EPA 200.8
Boron	0.05	0.03		mg/L	01/10/2005 932 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1227 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 932 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1227 MS	EPA 200.8
Iron	0.97	0.05		mg/L	01/10/2005 932 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1227 MS	EPA 200.8
Manganese	0.30	0.02		mg/L	01/10/2005 932 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 951 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1227 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 932 MH	EPA 200.7
Selenium	0.007	0.005		mg/L	01/06/2005 1227 MS	EPA 200.8
Uranium	0.0214	0.0001		mg/L	01/06/2005 1227 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/06/2005 1227 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 932 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-010
Client Sample ID 2U38-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.5	0.1		s.u.	01/06/2005 1127 KA	EPA 150.1
Electrical Conductivity	551	5		µmhos/cm	01/06/2005 1127 KA	SM 2510B
Total Dissolved Solids (180)	380	10		mg/L	01/06/2005 1008 TG	SM 2540
Solids, Total Dissolved (Calc)	330	10		mg/L	01/10/2005 1525 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/11/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	119	5		mg/L	01/06/2005 1127 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	127	1		mg/L	01/10/2005 1525 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/10/2005 1537 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/05/2005 1338 RM	EPA 353.2
Radium 226	46.5±3.3	0.2		pCi/L	01/13/2005 000 TWP	SM 7500 RA B
Silica as SiO2	7.8	0.1		mg/L	01/10/2005 947 MH	EPA 200.7
Sodium Adsorption Ratio	2.7	0.1			01/10/2005 1525 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	145	5		mg/L	01/06/2005 1127 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/06/2005 1127 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/06/2005 1127 KA	SM 2320B
Chloride	6	1		mg/L	01/05/2005 1553 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/06/2005 1127 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/06/2005 1024 RM	EPA 353.2
Sulfate	135	1		mg/L	01/05/2005 1553 LK	EPA 300.0
Cations						
Calcium	42	1		mg/L	01/10/2005 947 MH	EPA 200.7
Magnesium	6	1		mg/L	01/10/2005 947 MH	EPA 200.7
Potassium	ND	1		mg/L	01/10/2005 947 MH	EPA 200.7
Sodium	70	1		mg/L	01/10/2005 947 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
- 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.

1637 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

CLIENT: Cogema Mining Inc.
P. O. Box 730
Mills, WY 82644

Date Reported: 1/18/2005
Report ID: S0501034001

Project: Cogema Christensen Mine
Lab ID: S0501034-010
Client Sample ID 2U38-1
Matrix: Water

Work Order: S0501034
Collection Date: 1/4/2005
Date Received: 1/4/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.37	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Chloride	0.17	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sulfate	2.81	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Calcium	2.07	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Magnesium	0.47	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Potassium	0.02	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Sodium	3.02	0.01		meq/L	01/10/2005 1525 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	5.59	0		meq/L	01/10/2005 1525 KA	SM 1030F
Anion Sum	5.37	0		meq/L	01/10/2005 1525 KA	SM 1030F
Cation-Anion Balance	2.03	0		%	01/10/2005 1525 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/10/2005 947 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/06/2005 1230 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/06/2005 1230 MS	EPA 200.8
Boron	0.05	0.03		mg/L	01/10/2005 947 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/06/2005 1230 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/10/2005 947 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/06/2005 1230 MS	EPA 200.8
Iron	0.11	0.05		mg/L	01/10/2005 947 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/06/2005 1230 MS	EPA 200.8
Manganese	0.22	0.02		mg/L	01/10/2005 947 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/12/2005 952 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/06/2005 1230 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/10/2005 947 MH	EPA 200.7
Selenium	0.008	0.005		mg/L	01/06/2005 1230 MS	EPA 200.8
Uranium	0.0087	0.0001		mg/L	01/06/2005 1230 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/06/2005 1230 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/10/2005 947 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
- 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