SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

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

Samples shipped to Inter-mountain lab sheridan,wy

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

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 Mod 32)

*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	3J26-1	5-5-04	Half Gal.	X		X		7064
			Quart	X				"
			8 ozs.		X			"
			8 ozs.	X			X	"
2	3D12-2		**	**	**	**	**	7065
3	3B13-1		**	**	**	**	**	7066
4			**	**	**	**	**	
5			**	**	**	**	**	
6			**	**	**	**	**	
7			**	**	**	**	**	
8			**	**	**	**	**	
9			**	**	**	**	**	
10			**	**	**	**	**	
11			**	**	**	**	**	
12			**	**	**	**	**	
13			**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	

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

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Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407064

WATER QUALITY REPORT

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

Project: Christensen
Sample ID: 3J26-1
Lab ID: 0104W07064
Matrix: Water
Condition: Cool/Intact

Date Received: 05/05/04
Date Reported: 05/20/04
Date Sampled: 05/05/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.2	s.u.			0.1	EPA 150.1	05/07/04	0921	JG
Lab Conductivity @ 25°C	313	µmhos/cm			1	SM 2510 B	05/07/04	0921	JG
Total Dissolved Solids @ 180°C	220	mg/L			10	SM 2540 C	05/07/04	1300	JG
Total Dissolved Solids(Calc)	200	mg/L			10	SM 1030 F.	05/10/04	1601	
Total Alkalinity as CaCO3	53.5	mg/L			1.0	SM 2320 B	05/07/04	0921	JG
Total Hardness as CaCO3	18.5	mg/L			1.0	SM 2340 B	05/07/04	0743	
Ammonia Nitrogen	0.3	mg/L			0.1	EPA 350.1	05/12/04	1038	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/06/04	1508	RM
Radium 226	88.5±6.0	pCi/L			0.2	SM 7500 Ra-B	05/12/04	1207	TP
Silica as SiO2	18.3	mg/L			0.1	EPA 200.7	05/07/04	0743	MH
Sodium Adsorption Ratio	6.7				N/A	Calculations	05/07/04	0743	
Anions									
Bicarbonate as HCO3	65.3	mg/L	1.07	meq/L	1.0	SM 2320 B	05/07/04	0921	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/07/04	0921	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/07/04	0921	JG
Chloride	4.3	mg/L	0.12	meq/L	1.0	EPA 300.0	05/07/04	0712	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	05/07/04	0921	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/10/04	1601	RM
Sulfate	90.9	mg/L	1.89	meq/L	1.0	EPA 300.0	05/07/04	0712	LK
Cations									
Calcium	5.5	mg/L	0.28	meq/L	1.0	EPA 200.7	05/07/04	0743	MH
Magnesium	1.2	mg/L	0.09	meq/L	1.0	EPA 200.7	05/07/04	0743	MH
Potassium	<1.0	mg/L	0.01	meq/L	1.0	EPA 200.7	05/07/04	0743	MH
Sodium	65.8	mg/L	2.86	meq/L	0.2	EPA 200.7	05/07/04	0743	MH
Cations			3.23	meq/L	N/A	SM 1030 F.	05/07/04	0743	
Anions			3.08	meq/L	N/A	SM 1030 F.	05/10/04	1601	
Cation/Anion Balance			2.38	%	N/A	SM 1030 F.	05/07/04	0743	

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.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407064

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 3J26-1
Lab ID: 0104W07064
Matrix: Water
Condition: Cool/Intact

Date Received: 05/05/04
Date Reported: 05/20/04
Date Sampled: 05/05/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/07/04	0743	MH
Arsenic	0.012	mg/L		0.005	EPA 200.8	05/07/04	1130	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/07/04	1130	MS
Boron	0.07	mg/L		0.01	EPA 200.7	05/07/04	0743	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/07/04	1130	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/07/04	0743	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/07/04	1130	MS
Iron	0.22	mg/L		0.05	EPA 200.7	05/07/04	0743	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/07/04	1130	MS
Manganese	0.03	mg/L		0.02	EPA 200.7	05/07/04	0743	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/11/04	1035	MM
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/07/04	1130	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/07/04	0743	MH
Selenium	0.006	mg/L		0.005	EPA 200.8	05/07/04	1130	MS
Uranium	0.0304	mg/L		0.0001	EPA 200.8	05/07/04	1130	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	05/07/04	1130	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/07/04	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:

Wade Nieuwsma, Water Lab Supervisor

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407064

WATER QUALITY REPORT

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

Project: Christensen
Sample ID: 3D12-2
Lab ID: 0104W07065
Matrix: Water
Condition: Cool/Intact

Date Received: 05/05/04
Date Reported: 05/20/04
Date Sampled: 05/05/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.4	s.u.			0.1	EPA 150.1	05/07/04	0929	JG
Lab Conductivity @ 25°C	542	µmhos/cm			5	SM 2510 B	05/07/04	0921	JG
Total Dissolved Solids @ 180°C	380	mg/L			10	SM 2540 C	05/07/04	1300	JG
Total Dissolved Solids(Calc)	350	mg/L			10	SM 1030 F.	05/10/04	1602	
Total Alkalinity as CaCO3	127	mg/L			1.0	SM 2320 B	05/07/04	0929	JG
Total Hardness as CaCO3	105	mg/L			1.0	SM 2340 B	05/07/04	0746	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	05/12/04	1039	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/06/04	1508	RM
Radium 226	337±11	pCi/L			0.2	SM 7500 Ra-B	05/12/04	1207	TP
Silica as SiO2	16.8	mg/L			0.1	EPA 200.7	05/07/04	0746	MH
Sodium Adsorption Ratio	3.5				N/A	Calculations	05/07/04	0746	
Anions									
Bicarbonate as HCO3	154	mg/L	2.53	meq/L	1.0	SM 2320 B	05/07/04	0929	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/07/04	0929	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/07/04	0929	JG
Chloride	3.5	mg/L	0.10	meq/L	1.0	EPA 300.0	05/07/04	0712	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	05/07/04	0921	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/10/04	1602	RM
Sulfate	145	mg/L	3.02	meq/L	1.0	EPA 300.0	05/07/04	0712	LK
Cations									
Calcium	33.1	mg/L	1.65	meq/L	1.0	EPA 200.7	05/07/04	0746	MH
Magnesium	5.3	mg/L	0.44	meq/L	1.0	EPA 200.7	05/07/04	0746	MH
Potassium	1.1	mg/L	0.03	meq/L	1.0	EPA 200.7	05/07/04	0746	MH
Sodium	82.4	mg/L	3.58	meq/L	0.2	EPA 200.7	05/07/04	0746	MH
Cations			5.70	meq/L	N/A	SM 1030 F.	05/07/04	0746	
Anions			5.65	meq/L	N/A	SM 1030 F.	05/10/04	1602	
Cation/Anion Balance			0.44	%	N/A	SM 1030 F.	05/07/04	0746	

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.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407064

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 3D12-2
Lab ID: 0104W07065
Matrix: Water
Condition: Cool/Intact

Date Received: 05/05/04
Date Reported: 05/20/04
Date Sampled: 05/05/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/07/04	0746	MH
Arsenic	0.007	mg/L		0.005	EPA 200.8	05/07/04	1133	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/07/04	1133	MS
Boron	0.05	mg/L		0.01	EPA 200.7	05/07/04	0746	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/07/04	1133	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/07/04	0746	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/07/04	1133	MS
Iron	2.00	mg/L		0.05	EPA 200.7	05/07/04	0746	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/07/04	1133	MS
Manganese	0.15	mg/L		0.02	EPA 200.7	05/07/04	0746	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/11/04	1035	MM
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/07/04	1133	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/07/04	0746	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	05/07/04	1133	MS
Uranium	0.0667	mg/L		0.0001	EPA 200.8	05/07/04	1133	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	05/07/04	1133	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/07/04	0746	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.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407064

WATER QUALITY REPORT

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

Project: Christensen
Sample ID: 3G13-1
Lab ID: 0104W07066
Matrix: Water
Condition: Cool/Intact

Date Received: 05/05/04
Date Reported: 05/20/04
Date Sampled: 05/05/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.6	s.u.			0.1	EPA 150.1	05/07/04	0937	JG
Lab Conductivity @ 25°C	251	µmhos/cm			5	SM 2510 B	05/07/04	0921	JG
Total Dissolved Solids @ 180°C	180	mg/L			10	SM 2540 C	05/07/04	1300	JG
Total Dissolved Solids(Calc)	150	mg/L			10	SM 1030 F.	05/10/04	1603	
Total Alkalinity as CaCO3	75.0	mg/L			1.0	SM 2320 B	05/07/04	0937	JG
Total Hardness as CaCO3	33.0	mg/L			1.0	SM 2340 B	05/07/04	0749	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	05/12/04	1046	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	05/06/04	1508	RM
Radium 226	70.5±5.1	pCi/L			0.2	SM 7500 Ra-B	05/12/04	1207	TP
Silica as SiO2	16.9	mg/L			0.1	EPA 200.7	05/07/04	0749	MH
Sodium Adsorption Ratio	3.3				N/A	Calculations	05/07/04	0749	
Anions									
Bicarbonate as HCO3	91.5	mg/L	1.50	meq/L	1.0	SM 2320 B	05/07/04	0937	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/07/04	0937	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	05/07/04	0937	JG
Chloride	4.0	mg/L	0.11	meq/L	1.0	EPA 300.0	05/07/04	0712	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	05/07/04	0921	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	05/10/04	1603	RM
Sulfate	41.5	mg/L	0.86	meq/L	1.0	EPA 300.0	05/07/04	0712	LK
Cations									
Calcium	11.4	mg/L	0.57	meq/L	1.0	EPA 200.7	05/07/04	0749	MH
Magnesium	1.1	mg/L	0.09	meq/L	1.0	EPA 200.7	05/07/04	0749	MH
Potassium	<1.0	mg/L	0.01	meq/L	1.0	EPA 200.7	05/07/04	0749	MH
Sodium	43.6	mg/L	1.90	meq/L	0.2	EPA 200.7	05/07/04	0749	MH
Cations			2.56	meq/L	N/A	SM 1030 F.	05/07/04	0749	
Anions			2.47	meq/L	N/A	SM 1030 F.	05/10/04	1603	
Cation/Anion Balance			1.79	%	N/A	SM 1030 F.	05/07/04	0749	

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.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010407064

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 3G13-1
Lab ID: 0104W07066
Matrix: Water
Condition: Cool/Intact

Date Received: 05/05/04
Date Reported: 05/20/04
Date Sampled: 05/05/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	05/07/04	0749	MH
Arsenic	0.011	mg/L		0.005	EPA 200.8	05/07/04	1135	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	05/07/04	1135	MS
Boron	0.05	mg/L		0.01	EPA 200.7	05/07/04	0749	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	05/07/04	1135	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	05/07/04	0749	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	05/07/04	1135	MS
Iron	0.73	mg/L		0.05	EPA 200.7	05/07/04	0749	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	05/07/04	1135	MS
Manganese	0.05	mg/L		0.02	EPA 200.7	05/07/04	0749	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	05/11/04	1035	MM
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	05/07/04	1135	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	05/07/04	0749	MH
Selenium	0.006	mg/L		0.005	EPA 200.8	05/07/04	1135	MS
Uranium	0.0298	mg/L		0.0001	EPA 200.8	05/07/04	1135	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	05/07/04	1135	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	05/07/04	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:

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 6-30-04 Received by Jon Glass Date 6-30 17:00

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 mod 3/#)

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

Send Analysis Results to : Tom nicholson

#	Identification Name	Sample Date	Sample Volume	Water Sample Preservation (X)				Comments
				Filtered	Not Filt.	HNO3	H2SO4	
1	3L16-1	6-30-04	Half Gal.	X		X		
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	3S20-1		**	**	**	**	**	
3	3L20-1		**	**	**	**	**	
4	3N25-1		**	**	**	**	**	
5	3Q22-1		**	**	**	**	**	
6			**	**	**	**	**	
7			**	**	**	**	**	
8			**	**	**	**	**	
9			**	**	**	**	**	
10			**	**	**	**	**	
11			**	**	**	**	**	
12			**	**	**	**	**	
13			**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	

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

L:\LARRY\[pvdsub.xls]pvdsub

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

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

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 6-30-04 Received by [signature] Date 6/30 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 mod 3/*)

*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	3L16-1	6-30-04	Half Gal.	X		X		10690
			Quart	X				"
			8 ozs.		X			"
			8 ozs.	X			X	"
2	3S20-1		**	**	**	**	**	10691
3	3L20-1		**	**	**	**	**	10692
4	3N25-1		**	**	**	**	**	10693 d
5	3Q22-1		**	**	**	**	**	10694
6			**	**	**	**	**	
7			**	**	**	**	**	
8			**	**	**	**	**	
9			**	**	**	**	**	
10			**	**	**	**	**	
11			**	**	**	**	**	
12			**	**	**	**	**	
13			**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	

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

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Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010410690

WATER QUALITY REPORT

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

Project: Christensen
Sample ID: 3L16-1
Lab ID: 0104W10690
Matrix: Water
Condition: Cool/Intact

Date Received: 06/30/04
Date Reported: 07/14/04
Date Sampled: 06/30/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.8	s.u.			0.1	EPA 150.1	07/02/04	1314	JG
Lab Conductivity @ 25°C	214	µmhos/cm			5	SM 2510 B	07/02/04	1314	JG
Total Dissolved Solids @ 180°C	180	mg/L			10	SM 2540 C	07/01/04	1130	KA
Total Dissolved Solids(Calc)	140	mg/L			10	SM 1030 F.	07/08/04	1313	
Total Alkalinity as CaCO3	70.0	mg/L			1.0	SM 2320 B	07/02/04	1314	JG
Total Hardness as CaCO3	28.5	mg/L			1.0	SM 2340 B	07/07/04	0828	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	07/07/04	1221	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	07/01/04	1145	RM
Radium 226	43.9±5.4	pCi/L			0.2	SM 7500 Ra-B	07/10/04	4703	TP
Silica as SiO2	11.7	mg/L			0.1	EPA 200.7	07/07/04	0828	MH
Sodium Adsorption Ratio	3.2				N/A	Calculations	07/07/04	0828	
Anions									
Bicarbonate as HCO3	85.4	mg/L	1.40	meq/L	1.0	SM 2320 B	07/02/04	1314	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/02/04	1314	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/02/04	1314	JG
Chloride	4.9	mg/L	0.14	meq/L	1.0	EPA 300.0	07/01/04	1519	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	07/02/04	1314	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	07/08/04	1313	RM
Sulfate	39.1	mg/L	0.81	meq/L	1.0	EPA 300.0	07/01/04	1519	LK
Cations									
Calcium	11.5	mg/L	0.57	meq/L	1.0	EPA 200.7	07/07/04	0828	MH
Magnesium	<1.0	mg/L	0.05	meq/L	1.0	EPA 200.7	07/07/04	0828	MH
Potassium	<1.0	mg/L	0.01	meq/L	1.0	EPA 200.7	07/07/04	0828	MH
Sodium	39.2	mg/L	1.70	meq/L	0.2	EPA 200.7	07/07/04	0828	MH
Cations			2.27	meq/L	N/A	SM 1030 F.	07/07/04	0828	
Anions			2.35	meq/L	N/A	SM 1030 F.	07/08/04	1313	
Cation-Anion Difference			0.08	meq/L	N/A	SM 1030 F.	07/07/04	0828	

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 Barte
Karen Barten, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010410690

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 3L16-1
Lab ID: 0104W10690
Matrix: Water
Condition: Cool/Intact

Date Received: 06/30/04
Date Reported: 07/14/04
Date Sampled: 06/30/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	07/07/04	0828	MH
Arsenic	0.023	mg/L		0.005	EPA 200.8	07/06/04	1225	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	07/06/04	1225	MS
Boron	0.06	mg/L		0.01	EPA 200.7	07/07/04	0828	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	07/06/04	1225	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	07/07/04	0828	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	07/06/04	1225	MS
Iron	0.10	mg/L		0.05	EPA 200.7	07/07/04	0828	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	07/06/04	1225	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	07/07/04	0828	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/06/04	0832	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	07/06/04	1225	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	07/07/04	0828	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	07/06/04	1225	MS
Uranium	0.0393	mg/L		0.0001	EPA 200.8	07/06/04	1225	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	07/06/04	1225	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	07/07/04	0828	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: 010410690

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 3S20-1
Lab ID: 0104W10691
Matrix: Water
Condition: Cool/Intact

Date Received: 06/30/04
Date Reported: 07/14/04
Date Sampled: 06/30/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.4	s.u.			0.1	EPA 150.1	07/02/04	1314	JG
Lab Conductivity @ 25°C	201	µmhos/cm			5	SM 2510 B	07/02/04	1325	JG
Total Dissolved Solids @ 180°C	180	mg/L			10	SM 2540 C	07/01/04	1130	KA
Total Dissolved Solids(Calc)	110	mg/L			10	SM 1030 F.	07/08/04	1314	
Total Alkalinity as CaCO3	68.0	mg/L			1.0	SM 2320 B	07/02/04	1325	JG
Total Hardness as CaCO3	23.0	mg/L			1.0	SM 2340 B	07/07/04	0831	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	07/07/04	1222	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	07/01/04	1152	RM
Radium 226	125±8.9	pCi/L			0.2	SM 7500 Ra-B	07/10/04	4703	TP
Silica as SiO2	7.1	mg/L			0.1	EPA 200.7	07/07/04	0828	MH
Sodium Adsorption Ratio	3.4				N/A	Calculations	07/07/04	0831	
Anions									
Bicarbonate as HCO3	83.0	mg/L	1.36	meq/L	1.0	SM 2320 B	07/02/04	1325	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/02/04	1325	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/02/04	1325	JG
Chloride	3.7	mg/L	0.10	meq/L	1.0	EPA 300.0	07/01/04	1519	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	07/02/04	1325	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	07/08/04	1313	RM
Sulfate	21.6	mg/L	0.45	meq/L	1.0	EPA 300.0	07/01/04	1519	LK
Cations									
Calcium	9.3	mg/L	0.46	meq/L	1.0	EPA 200.7	07/07/04	0831	MH
Magnesium	<1.0	mg/L	0.03	meq/L	1.0	EPA 200.7	07/07/04	0831	MH
Potassium	<1.0	mg/L	0.01	meq/L	1.0	EPA 200.7	07/07/04	0831	MH
Sodium	37.0	mg/L	1.61	meq/L	0.2	EPA 200.7	07/07/04	0831	MH
Cations			2.07	meq/L	N/A	SM 1030 F.	07/07/04	0831	
Anions			1.91	meq/L	N/A	SM 1030 F.	07/08/04	1314	
Cation-Anion Difference			0.16	meq/L	N/A	SM 1030 F.	07/07/04	0831	

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: 010410690

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 3S20-1
Lab ID: 0104W10691
Matrix: Water
Condition: Cool/Intact

Date Received: 06/30/04
Date Reported: 07/14/04
Date Sampled: 06/30/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	07/07/04	0831	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	07/06/04	1228	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	07/06/04	1228	MS
Boron	0.06	mg/L		0.01	EPA 200.7	07/07/04	0831	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	07/06/04	1228	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	07/07/04	0831	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	07/06/04	1228	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	07/07/04	0831	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	07/06/04	1228	MS
Manganese	0.02	mg/L		0.02	EPA 200.7	07/07/04	0831	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/06/04	0832	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	07/06/04	1228	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	07/07/04	0831	MH
Selenium	0.005	mg/L		0.005	EPA 200.8	07/06/04	1228	MS
Uranium	0.0053	mg/L		0.0001	EPA 200.8	07/06/04	1228	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	07/06/04	1228	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	07/07/04	0831	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: 010410690

WATER QUALITY REPORT

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

Project: Christensen
Sample ID: 3L20-1
Lab ID: 0104W10692
Matrix: Water
Condition: Cool/Intact

Date Received: 06/30/04
Date Reported: 07/14/04
Date Sampled: 06/30/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.7	s.u.			0.1	EPA 150.1	07/02/04	1314	JG
Lab Conductivity @ 25°C	217	µmhos/cm			5	SM 2510 B	07/02/04	1336	JG
Total Dissolved Solids @ 180°C	160	mg/L			10	SM 2540 C	07/01/04	1130	KA
Total Dissolved Solids(Calc)	130	mg/L			10	SM 1030 F.	07/08/04	1316	
Total Alkalinity as CaCO3	77.5	mg/L			1.0	SM 2320 B	07/02/04	1336	JG
Total Hardness as CaCO3	25.5	mg/L			1.0	SM 2340 B	07/07/04	0837	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	07/07/04	1223	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	07/01/04	1153	RM
Radium 226	28.2±4.3	pCi/L			0.2	SM 7500 Ra-B	07/10/04	4703	TP
Silica as SiO2	9.2	mg/L			0.1	EPA 200.7	07/07/04	0828	MH
Sodium Adsorption Ratio	3.5				N/A	Calculations	07/07/04	0837	
Anions									
Bicarbonate as HCO3	94.6	mg/L	1.55	meq/L	1.0	SM 2320 B	07/02/04	1336	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/02/04	1336	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/02/04	1336	JG
Chloride	4.6	mg/L	0.13	meq/L	1.0	EPA 300.0	07/01/04	1519	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	07/02/04	1336	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	07/08/04	1313	RM
Sulfate	28.7	mg/L	0.60	meq/L	1.0	EPA 300.0	07/01/04	1519	LK
Cations									
Calcium	10.3	mg/L	0.51	meq/L	1.0	EPA 200.7	07/07/04	0837	MH
Magnesium	<1.0	mg/L	0.08	meq/L	1.0	EPA 200.7	07/07/04	0837	MH
Potassium	<1.0	mg/L	0.01	meq/L	1.0	EPA 200.7	07/07/04	0837	MH
Sodium	41.2	mg/L	1.79	meq/L	0.2	EPA 200.7	07/07/04	0837	MH
Cations			2.30	meq/L	N/A	SM 1030 F.	07/07/04	0837	
Anions			2.28	meq/L	N/A	SM 1030 F.	07/08/04	1316	
Cation-Anion Difference			0.02	meq/L	N/A	SM 1030 F.	07/07/04	0837	

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: 010410690

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 3L20-1
Lab ID: 0104W10692
Matrix: Water
Condition: Cool/Intact

Date Received: 06/30/04
Date Reported: 07/14/04
Date Sampled: 06/30/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	07/07/04	0837	MH
Arsenic	<0.005	mg/L		0.005	EPA 200.8	07/06/04	1233	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	07/06/04	1233	MS
Boron	0.06	mg/L		0.01	EPA 200.7	07/07/04	0837	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	07/06/04	1233	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	07/07/04	0837	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	07/06/04	1233	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	07/07/04	0837	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	07/06/04	1233	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	07/07/04	0837	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/06/04	0832	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	07/06/04	1233	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	07/07/04	0837	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	07/06/04	1233	MS
Uranium	0.0379	mg/L		0.0001	EPA 200.8	07/06/04	1233	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	07/06/04	1233	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	07/07/04	0837	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: 010410690

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 3N25-1
Lab ID: 0104W10693
Matrix: Water
Condition: Cool/Intact

Date Received: 06/30/04
Date Reported: 07/14/04
Date Sampled: 06/30/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.6	s.u.			0.1	EPA 150.1	07/02/04	1314	JG
Lab Conductivity @ 25°C	236	µmhos/cm			5	SM 2510 B	07/02/04	1349	JG
Total Dissolved Solids @ 180°C	200	mg/L			10	SM 2540 C	07/01/04	1130	KA
Total Dissolved Solids(Calc)	140	mg/L			10	SM 1030 F.	07/08/04	1317	
Total Alkalinity as CaCO3	63.0	mg/L			1.0	SM 2320 B	07/02/04	1349	JG
Total Hardness as CaCO3	10.0	mg/L			1.0	SM 2340 B	07/07/04	0840	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	07/07/04	1224	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	07/01/04	1154	RM
Radium 226	222±12	pCi/L			0.2	SM 7500 Ra-B	07/10/04	4703	TP
Silica as SiO2	15.8	mg/L			0.1	EPA 200.7	07/07/04	0828	MH
Sodium Adsorption Ratio	6.6				N/A	Calculations	07/07/04	0840	
Anions									
Bicarbonate as HCO3	76.9	mg/L	1.26	meq/L	1.0	SM 2320 B	07/02/04	1349	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/02/04	1349	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/02/04	1349	JG
Chloride	3.9	mg/L	0.11	meq/L	1.0	EPA 300.0	07/01/04	1519	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	07/02/04	1349	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	07/08/04	1313	RM
Sulfate	48.7	mg/L	1.01	meq/L	1.0	EPA 300.0	07/01/04	1519	LK
Cations									
Calcium	4.0	mg/L	0.20	meq/L	1.0	EPA 200.7	07/07/04	0840	MH
Magnesium	<1.0	mg/L	0.07	meq/L	1.0	EPA 200.7	07/07/04	0840	MH
Potassium	<1.0	mg/L	0.01	meq/L	1.0	EPA 200.7	07/07/04	0840	MH
Sodium	47.9	mg/L	2.08	meq/L	0.2	EPA 200.7	07/07/04	0840	MH
Cations			2.28	meq/L	N/A	SM 1030 F.	07/07/04	0840	
Anions			2.38	meq/L	N/A	SM 1030 F.	07/08/04	1317	
Cation-Anion Difference			0.10	meq/L	N/A	SM 1030 F.	07/07/04	0840	

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: 010410690

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 3N25-1
Lab ID: 0104W10693
Matrix: Water
Condition: Cool/Intact

Date Received: 06/30/04
Date Reported: 07/14/04
Date Sampled: 06/30/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	07/07/04	0840	MH
Arsenic	0.035	mg/L		0.005	EPA 200.8	07/06/04	1236	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	07/06/04	1236	MS
Boron	0.05	mg/L		0.01	EPA 200.7	07/07/04	0840	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	07/06/04	1236	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	07/07/04	0840	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	07/06/04	1236	MS
Iron	0.45	mg/L		0.05	EPA 200.7	07/07/04	0840	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	07/06/04	1236	MS
Manganese	<0.02	mg/L		0.02	EPA 200.7	07/07/04	0840	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/06/04	0832	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	07/06/04	1236	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	07/07/04	0840	MH
Selenium	0.007	mg/L		0.005	EPA 200.8	07/06/04	1236	MS
Uranium	0.0296	mg/L		0.0001	EPA 200.8	07/06/04	1236	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	07/06/04	1236	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	07/07/04	0840	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: 3N25-1
Lab ID: 0104W10693
Matrix: Water
Condition: Cool/Intact

Report Date: 07/14/04
Receipt Date: 06/30/04
Sample Date: 06/30/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
General Parameters					
Lab pH	7.6	7.6	0	0.1	s.u.
Lab Conductivity @ 25°C	236	237	0	5	µmhos/cm
Total Dissolved Solids @ 180°C	200	200	0	10	mg/L
Total Dissolved Solids(Calc)	140	150	7	10	mg/L
Total Alkalinity as CaCO3	63.0	63.0	0	1.0	mg/L
Total Hardness as CaCO3	10.0	10.0	0	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	15.8	16.0	1	0.1	mg/L
Sodium Adsorption Ratio	6.6	6.7	2		
Anions					
Bicarbonate as HCO3	76.9	76.9	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	3.9	4.1	0.2**	1.0	mg/L
Fluoride	<0.1	<0.1	NC*	0.1	mg/L
Nitrate + Nitrite as N	<0.1	<0.1	NC*	0.1	mg/L
Sulfate	48.7	49.0	1	1.0	mg/L
Cations					
Calcium	4.0	4.0	0.0**	1.0	mg/L
Magnesium	<1.0	<1.0	NC*	1.0	mg/L
Potassium	<1.0	<1.0	NC*	1.0	mg/L
Sodium	47.9	48.7	2	0.2	mg/L
Cations	2.28	2.32	2		meq/L
Anions	2.38	2.40	1		meq/L
Cation-Anion Difference	0.10	0.08			meq/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: 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: 3N25-1
Lab ID: 0104W10693
Matrix: Water
Condition: Cool/Intact

Report Date: 07/14/04
Receipt Date: 06/30/04
Sample Date: 06/30/04

Parameter	Original Conc.	Duplicate Conc.	Relative % Diff.	PQL	Units
Dissolved Metals					
Aluminum	<0.1	<0.1	NC*	0.1	mg/L
Arsenic	0.035	0.038	8	0.005	mg/L
Barium	<0.5	<0.5	NC*	0.5	mg/L
Boron	0.05	0.05	0	0.01	mg/L
Cadmium	<0.002	<0.002	NC*	0.002	mg/L
Chromium	<0.01	<0.01	NC*	0.01	mg/L
Copper	<0.01	<0.01	NC*	0.01	mg/L
Iron	0.45	0.45	0	0.05	mg/L
Lead	<0.02	<0.02	NC*	0.02	mg/L
Manganese	<0.02	<0.02	NC*	0.02	mg/L
Mercury	<0.001	<0.001	NC*	0.001	mg/L
Molybdenum	<0.02	<0.02	NC*	0.02	mg/L
Nickel	<0.01	<0.01	NC*	0.01	mg/L
Selenium	0.007	0.008	0.001**	0.005	mg/L
Uranium	0.0296	0.0313	6	0.0001	mg/L
Vanadium	<0.1	<0.1	NC*	0.1	mg/L
Zinc	<0.01	<0.01	NC*	0.01	mg/L

*NC - Non-Calculable RPD due to value(s) less than DL ** - 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 K Barten
Karen Barten, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Report ID: 010410690

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 3Q22-1
Lab ID: 0104W10694
Matrix: Water
Condition: Cool/Intact

Date Received: 06/30/04
Date Reported: 07/14/04
Date Sampled: 06/30/04

Parameter	Analytical Result	Units		Units	PQL	Method	Analysis Date	Time	Init.
General Parameters									
Lab pH	7.8	s.u.			0.1	EPA 150.1	07/02/04	1314	JG
Lab Conductivity @ 25°C	424	µmhos/cm			5	SM 2510 B	07/02/04	1412	JG
Total Dissolved Solids @ 180°C	300	mg/L			10	SM 2540 C	07/01/04	1130	KA
Total Dissolved Solids(Calc)	260	mg/L			10	SM 1030 F.	07/09/04	1519	
Total Alkalinity as CaCO3	162	mg/L			1.0	SM 2320 B	07/02/04	1412	JG
Total Hardness as CaCO3	69.0	mg/L			1.0	SM 2340 B	07/07/04	0856	
Ammonia Nitrogen	<0.1	mg/L			0.1	EPA 350.1	07/07/04	1226	RM
Nitrite as N	<0.1	mg/L			0.1	EPA 353.2	07/01/04	1156	RM
Radium 226	90±11	pCi/L			0.2	SM 7500 Ra-B	07/10/04	4703	TP
Silica as SiO2	10.4	mg/L			0.1	EPA 200.7	07/07/04	0828	MH
Sodium Adsorption Ratio	4.0				N/A	Calculations	07/07/04	0856	
Anions									
Bicarbonate as HCO3	198	mg/L	3.24	meq/L	1.0	SM 2320 B	07/02/04	1412	JG
Carbonate as CO3	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/02/04	1412	JG
Hydroxide as OH	<1.0	mg/L	<0.01	meq/L	1.0	SM 2320 B	07/02/04	1412	JG
Chloride	5.1	mg/L	0.14	meq/L	1.0	EPA 300.0	07/01/04	1519	LK
Fluoride	<0.1	mg/L	<0.01	meq/L	0.1	SM 4500-F-C	07/02/04	1412	JG
Nitrate + Nitrite as N	<0.1	mg/L	<0.01	meq/L	0.1	EPA 353.2	07/08/04	1313	RM
Sulfate	60.4	mg/L	1.26	meq/L	1.0	EPA 300.0	07/09/04	1519	LK
Cations									
Calcium	22.1	mg/L	1.10	meq/L	1.0	EPA 200.7	07/07/04	0856	MH
Magnesium	3.4	mg/L	0.28	meq/L	1.0	EPA 200.7	07/07/04	0856	MH
Potassium	<1.0	mg/L	0.02	meq/L	1.0	EPA 200.7	07/07/04	0856	MH
Sodium	75.9	mg/L	3.30	meq/L	0.2	EPA 200.7	07/07/04	0856	MH
Cations			4.68	meq/L	N/A	SM 1030 F.	07/07/04	0856	
Anions			4.64	meq/L	N/A	SM 1030 F.	07/09/04	1519	
Cation/Anion Balance			0.43	%	N/A	SM 1030 F.	07/07/04	0856	

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: 010410690

WATER QUALITY REPORT

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

Project: **Christensen**
Sample ID: 3Q22-1
Lab ID: 0104W10694
Matrix: Water
Condition: Cool/Intact

Date Received: 06/30/04
Date Reported: 07/14/04
Date Sampled: 06/30/04

Parameter	Analytical Result	Units	Units	PQL	Method	Analysis Date	Time	Init.
Dissolved Metals								
Aluminum	<0.1	mg/L		0.1	EPA 200.7	07/07/04	0856	MH
Arsenic	0.009	mg/L		0.005	EPA 200.8	07/06/04	1249	MS
Barium	<0.5	mg/L		0.5	EPA 200.8	07/06/04	1249	MS
Boron	0.06	mg/L		0.01	EPA 200.7	07/07/04	0856	MH
Cadmium	<0.002	mg/L		0.002	EPA 200.8	07/06/04	1249	MS
Chromium	<0.01	mg/L		0.01	EPA 200.7	07/07/04	0856	MH
Copper	<0.01	mg/L		0.01	EPA 200.8	07/06/04	1249	MS
Iron	<0.05	mg/L		0.05	EPA 200.7	07/07/04	0856	MH
Lead	<0.02	mg/L		0.02	EPA 200.8	07/06/04	1249	MS
Manganese	0.05	mg/L		0.02	EPA 200.7	07/07/04	0856	MH
Mercury	<0.001	mg/L		0.001	EPA 245.1	07/06/04	0832	MS
Molybdenum	<0.02	mg/L		0.02	EPA 200.8	07/06/04	1249	MS
Nickel	<0.01	mg/L		0.01	EPA 200.7	07/07/04	0856	MH
Selenium	<0.005	mg/L		0.005	EPA 200.8	07/06/04	1249	MS
Uranium	0.226	mg/L		0.0001	EPA 200.8	07/06/04	1249	MS
Vanadium	<0.1	mg/L		0.1	EPA 200.8	07/06/04	1249	MS
Zinc	<0.01	mg/L		0.01	EPA 200.7	07/07/04	0856	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

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 7-19-04 Received by [signature] 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 2 & 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	RA026-1	7-19-04	Half Gal.	X		X		
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	3U645-1		**	**	**	**	**	
3	3T37-1		**	**	**	**	**	
4	3W69-1		**	**	**	**	**	
5	3V58-2		**	**	**	**	**	
6	3T37-2		**	**	**	**	**	
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
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: 8/4/2004
Report ID: S0407025001

Project: Cogema Christensen Mine
Lab ID: S0407025-002
Client Sample ID 3U45-1
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	7.8	0.1		s.u.	07/20/2004 1942 JG	EPA 150.1
Electrical Conductivity	377	5		µmhos/cm	07/20/2004 1942 JG	SM 2510B
Total Dissolved Solids (180)	260	10		mg/L	07/20/2004 1500 KA	SM 2540
Solids, Total Dissolved (Calc)	210	10		mg/L	08/04/2004 1114 JG	SM 1030F
Acidity	ND	5		mg/L	07/21/2004 1434 JG	SM 2310B
Alkalinity, Total (As CaCO3)	87	5		mg/L	07/20/2004 1942 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	44	1		mg/L	08/04/2004 1114 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	07/26/2004 1117 KB	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	07/20/2004 1552 KB	EPA 353.2
Silica as SiO2	25	0.1		mg/L	07/21/2004 924 MH	EPA 200.7
Radium 226	93.4±7.6	0.2		pCi/L	07/29/2004 1756 JN	SM 7500
Sodium Adsorption Ratio	3.8	0.1			08/04/2004 1114 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	106	5		mg/L	07/20/2004 1942 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	07/20/2004 1942 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	07/20/2004 1942 JG	SM 2320B
Chloride	4	1		mg/L	07/21/2004 1255 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	07/20/2004 1942 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	07/21/2004 1040 KB	EPA 353.2
Sulfate	75	1		mg/L	07/21/2004 1255 LK	EPA 300.0
Cations						
Calcium	15	1		mg/L	07/21/2004 924 MH	EPA 200.7
Magnesium	2	1		mg/L	07/21/2004 924 MH	EPA 200.7
Potassium	ND	1		mg/L	07/21/2004 924 MH	EPA 200.7
Sodium	58	1		mg/L	07/21/2004 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	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Reviewed by: Karen Bade

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: S0407025-002
Client Sample ID 3U45-1
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	1.73	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	0.10	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	1.57	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Calcium	0.74	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Magnesium	0.14	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Potassium	0.01	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Sodium	2.52	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	3.42	0		meq/L	08/04/2004 1114 JG	SM 1030F
Anion Sum	3.40	0		meq/L	08/04/2004 1114 JG	SM 1030F
Cation-Anion Balance	0.31	0		%	08/04/2004 1114 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	07/21/2004 924 MH	EPA 200.7
Arsenic	0.020	0.005		mg/L	07/21/2004 1039 MS	EPA 200.8
Barium	ND	0.5		mg/L	07/21/2004 1039 MS	EPA 200.8
Boron	0.08	0.01		mg/L	07/21/2004 924 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	07/21/2004 1039 MS	EPA 200.8
Chromium	ND	0.01		mg/L	07/21/2004 924 MH	EPA 200.7
Copper	ND	0.01		mg/L	07/21/2004 1039 MS	EPA 200.8
Iron	0.25	0.05		mg/L	07/21/2004 924 MH	EPA 200.7
Lead	ND	0.02		mg/L	07/21/2004 1039 MS	EPA 200.8
Manganese	0.09	0.02		mg/L	07/21/2004 924 MH	EPA 200.7
Mercury	ND	0.001		mg/L	07/23/2004 1002 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	07/21/2004 1039 MS	EPA 200.8
Nickel	ND	0.01		mg/L	07/21/2004 924 MH	EPA 200.7
Selenium	0.008	0.005		mg/L	07/21/2004 1039 MS	EPA 200.8
Uranium	0.0420	0.0001		mg/L	07/21/2004 1039 MS	EPA 200.8
Vanadium	0.02	0.02		mg/L	07/21/2004 1039 MS	EPA 200.8
Zinc	ND	0.01		mg/L	07/21/2004 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	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Reviewed by: Karen A Sante

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: S0407025-003
Client Sample ID 3T37-1
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	7.8	0.1		s.u.	07/20/2004 1953 JG	EPA 150.1
Electrical Conductivity	352	5		µmhos/cm	07/20/2004 1953 JG	SM 2510B
Total Dissolved Solids (180)	250	10		mg/L	07/20/2004 1510 KA	SM 2540
Solids, Total Dissolved (Calc)	190	10		mg/L	08/04/2004 1114 JG	SM 1030F
Acidity	ND	5		mg/L	07/21/2004 1444 JG	SM 2310B
Alkalinity, Total (As CaCO3)	66	5		mg/L	07/20/2004 1953 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	34	1		mg/L	08/04/2004 1114 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	07/26/2004 1118 KB	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	07/20/2004 1553 KB	EPA 353.2
Silica as SiO2	16	0.1		mg/L	07/21/2004 928 MH	EPA 200.7
Radium 226	151±8.6	0.2		pCi/L	07/29/2004 1756 JN	SM 7500
Sodium Adsorption Ratio	4.2	0.1			08/04/2004 1114 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	81	5		mg/L	07/20/2004 1953 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	07/20/2004 1953 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	07/20/2004 1953 JG	SM 2320B
Chloride	3	1		mg/L	07/21/2004 1311 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	07/20/2004 1953 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	07/21/2004 1041 KB	EPA 353.2
Sulfate	81	1		mg/L	07/21/2004 1311 LK	EPA 300.0
Cations						
Calcium	12	1		mg/L	07/21/2004 928 MH	EPA 200.7
Magnesium	1	1		mg/L	07/21/2004 928 MH	EPA 200.7
Potassium	ND	1		mg/L	07/21/2004 928 MH	EPA 200.7
Sodium	56	1		mg/L	07/21/2004 928 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	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Reviewed by: Karen A Banks

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: S0407025-003
Client Sample ID 3T37-1
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	1.32	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	0.08	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	1.67	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Calcium	0.57	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Magnesium	0.09	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Potassium	0.01	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Sodium	2.42	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	3.10	0		meq/L	08/04/2004 1114 JG	SM 1030F
Anion Sum	3.08	0		meq/L	08/04/2004 1114 JG	SM 1030F
Cation-Anion Balance	0.32	0		%	08/04/2004 1114 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	07/21/2004 928 MH	EPA 200.7
Arsenic	0.046	0.005		mg/L	07/21/2004 1041 MS	EPA 200.8
Barium	ND	0.5		mg/L	07/21/2004 1041 MS	EPA 200.8
Boron	0.08	0.01		mg/L	07/21/2004 928 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	07/21/2004 1041 MS	EPA 200.8
Chromium	ND	0.01		mg/L	07/21/2004 928 MH	EPA 200.7
Copper	ND	0.01		mg/L	07/21/2004 1041 MS	EPA 200.8
Iron	0.35	0.05		mg/L	07/21/2004 928 MH	EPA 200.7
Lead	ND	0.02		mg/L	07/21/2004 1041 MS	EPA 200.8
Manganese	0.04	0.02		mg/L	07/21/2004 928 MH	EPA 200.7
Mercury	ND	0.001		mg/L	07/23/2004 1004 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	07/21/2004 1041 MS	EPA 200.8
Nickel	ND	0.01		mg/L	07/21/2004 928 MH	EPA 200.7
Selenium	ND	0.005		mg/L	07/21/2004 1041 MS	EPA 200.8
Uranium	0.0196	0.0001		mg/L	07/21/2004 1041 MS	EPA 200.8
Vanadium	0.04	0.02		mg/L	07/21/2004 1041 MS	EPA 200.8
Zinc	ND	0.01		mg/L	07/21/2004 928 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	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Reviewed by: Karen Dante

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: S0407025-004
Client Sample ID 3W67-1
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	7.7	0.1		s.u.	07/20/2004 2002 JG	EPA 150.1
Electrical Conductivity	439	5		µmhos/cm	07/20/2004 2002 JG	SM 2510B
Total Dissolved Solids (180)	290	10		mg/L	07/20/2004 1530 KA	SM 2540
Solids, Total Dissolved (Calc)	240	10		mg/L	08/04/2004 1114 JG	SM 1030F
Acidity	ND	5		mg/L	07/21/2004 1454 JG	SM 2310B
Alkalinity, Total (As CaCO3)	127	5		mg/L	07/20/2004 2002 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	24	1		mg/L	08/04/2004 1114 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	07/26/2004 1119 KB	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	07/20/2004 1554 KB	EPA 353.2
Silica as SiO2	17	0.1		mg/L	07/21/2004 936 MH	EPA 200.7
Radium 226	90.5±6.9	0.2		pCi/L	07/29/2004 1756 JN	SM 7500
Sodium Adsorption Ratio	7.1	0.1			08/04/2004 1114 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	155	5		mg/L	07/20/2004 2002 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	07/20/2004 2002 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	07/20/2004 2002 JG	SM 2320B
Chloride	3	1		mg/L	07/21/2004 1326 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	07/20/2004 2002 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	07/21/2004 1042 KB	EPA 353.2
Sulfate	66	1		mg/L	07/21/2004 1326 LK	EPA 300.0
Cations						
Calcium	7	1		mg/L	07/21/2004 936 MH	EPA 200.7
Magnesium	1	1		mg/L	07/21/2004 936 MH	EPA 200.7
Potassium	ND	1		mg/L	07/21/2004 936 MH	EPA 200.7
Sodium	80	1		mg/L	07/21/2004 936 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	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Reviewed by: Karen Bantz

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: S0407025-004
Client Sample ID 3W67-1
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	2.54	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	0.08	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	1.37	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Calcium	0.36	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Magnesium	0.11	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Potassium	0.01	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Sodium	3.49	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	3.99	0		meq/L	08/04/2004 1114 JG	SM 1030F
Anion Sum	3.99	0		meq/L	08/04/2004 1114 JG	SM 1030F
Cation-Anion Balance	0.00	0		%	08/04/2004 1114 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	07/21/2004 936 MH	EPA 200.7
Arsenic	0.081	0.005		mg/L	07/21/2004 1044 MS	EPA 200.8
Barium	ND	0.5		mg/L	07/21/2004 1044 MS	EPA 200.8
Boron	0.06	0.01		mg/L	07/21/2004 936 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	07/21/2004 1044 MS	EPA 200.8
Chromium	ND	0.01		mg/L	07/21/2004 936 MH	EPA 200.7
Copper	ND	0.01		mg/L	07/21/2004 1044 MS	EPA 200.8
Iron	0.41	0.05		mg/L	07/21/2004 936 MH	EPA 200.7
Lead	ND	0.02		mg/L	07/21/2004 1044 MS	EPA 200.8
Manganese	0.05	0.02		mg/L	07/21/2004 936 MH	EPA 200.7
Mercury	ND	0.001		mg/L	07/23/2004 1005 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	07/21/2004 1044 MS	EPA 200.8
Nickel	0.01	0.01		mg/L	07/21/2004 936 MH	EPA 200.7
Selenium	ND	0.005		mg/L	07/21/2004 1044 MS	EPA 200.8
Uranium	0.0397	0.0001		mg/L	07/21/2004 1044 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	07/21/2004 1044 MS	EPA 200.8
Zinc	ND	0.01		mg/L	07/21/2004 936 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	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Reviewed by: Karen Sante

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: S0407025-005
Client Sample ID 3V52-2
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	7.8	0.1		s.u.	07/20/2004 2013 JG	EPA 150.1
Electrical Conductivity	360	5		µmhos/cm	07/20/2004 2013 JG	SM 2510B
Total Dissolved Solids (180)	250	10		mg/L	07/20/2004 1540 KA	SM 2540
Solids, Total Dissolved (Calc)	200	10		mg/L	08/04/2004 1114 JG	SM 1030F
Acidity	ND	5		mg/L	07/21/2004 1504 JG	SM 2310B
Alkalinity, Total (As CaCO3)	87	5		mg/L	07/20/2004 2013 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	82	1		mg/L	08/04/2004 1114 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	07/26/2004 1120 KB	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	07/20/2004 1555 KB	EPA 353.2
Silica as SiO2	19	0.1		mg/L	07/21/2004 939 MH	EPA 200.7
Radium 226	441±16	0.2		pCi/L	07/29/2004 1756 JN	SM 7500
Sodium Adsorption Ratio	1.8	0.1			08/04/2004 1114 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	106	5		mg/L	07/20/2004 2013 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	07/20/2004 2013 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	07/20/2004 2013 JG	SM 2320B
Chloride	3	1		mg/L	07/21/2004 1341 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	07/20/2004 2013 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	07/21/2004 1043 KB	EPA 353.2
Sulfate	70	1		mg/L	07/21/2004 1341 LK	EPA 300.0
Cations						
Calcium	30	1		mg/L	07/21/2004 939 MH	EPA 200.7
Magnesium	2	1		mg/L	07/21/2004 939 MH	EPA 200.7
Potassium	ND	1		mg/L	07/21/2004 939 MH	EPA 200.7
Sodium	38	1		mg/L	07/21/2004 939 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	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Reviewed by: Karen Banta

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: S0407025-005
Client Sample ID 3V52-2
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	1.73	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	0.08	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	1.46	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Calcium	1.51	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Magnesium	0.12	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Potassium	ND	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Sodium	1.65	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	3.30	0		meq/L	08/04/2004 1114 JG	SM 1030F
Anion Sum	3.28	0		meq/L	08/04/2004 1114 JG	SM 1030F
Cation-Anion Balance	0.22	0		%	08/04/2004 1114 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	07/21/2004 939 MH	EPA 200.7
Arsenic	0.050	0.005		mg/L	07/21/2004 1047 MS	EPA 200.8
Barium	ND	0.5		mg/L	07/21/2004 1047 MS	EPA 200.8
Boron	0.07	0.01		mg/L	07/21/2004 939 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	07/21/2004 1047 MS	EPA 200.8
Chromium	ND	0.01		mg/L	07/21/2004 939 MH	EPA 200.7
Copper	ND	0.01		mg/L	07/21/2004 1047 MS	EPA 200.8
Iron	0.27	0.05		mg/L	07/21/2004 939 MH	EPA 200.7
Lead	ND	0.02		mg/L	07/21/2004 1047 MS	EPA 200.8
Manganese	0.72	0.02		mg/L	07/21/2004 939 MH	EPA 200.7
Mercury	ND	0.001		mg/L	07/23/2004 1007 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	07/21/2004 1047 MS	EPA 200.8
Nickel	0.02	0.01		mg/L	07/21/2004 939 MH	EPA 200.7
Selenium	ND	0.005		mg/L	07/21/2004 1047 MS	EPA 200.8
Uranium	0.0581	0.0001		mg/L	07/21/2004 1047 MS	EPA 200.8
Vanadium	0.04	0.02		mg/L	07/21/2004 1047 MS	EPA 200.8
Zinc	ND	0.01		mg/L	07/21/2004 939 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 Banks

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: S0407025-006
Client Sample ID 3T27-2
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	7.8	0.1		s.u.	07/20/2004 2024 JG	EPA 150.1
Electrical Conductivity	208	5		µmhos/cm	07/20/2004 2024 JG	SM 2510B
Total Dissolved Solids (180)	150	10		mg/L	07/20/2004 1550 KA	SM 2540
Solids, Total Dissolved (Calc)	110	10		mg/L	08/04/2004 1114 JG	SM 1030F
Acidity	ND	5		mg/L	07/21/2004 1514 JG	SM 2310B
Alkalinity, Total (As CaCO3)	54	5		mg/L	07/20/2004 2024 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	13	1		mg/L	08/04/2004 1114 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	07/26/2004 1121 KB	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	07/20/2004 1556 KB	EPA 353.2
Silica as SiO2	18	0.1		mg/L	07/21/2004 943 MH	EPA 200.7
Radium 226	70.9±6.2	0.2		pCi/L	07/29/2004 1756 JN	SM 7500
Sodium Adsorption Ratio	4.0	0.1			08/04/2004 1114 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	66	5		mg/L	07/20/2004 2024 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	07/20/2004 2024 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	07/20/2004 2024 JG	SM 2320B
Chloride	3	1		mg/L	07/21/2004 1356 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	07/20/2004 2024 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	07/21/2004 1045 KB	EPA 353.2
Sulfate	31	1		mg/L	07/21/2004 1356 LK	EPA 300.0
Cations						
Calcium	5	1		mg/L	07/21/2004 943 MH	EPA 200.7
Magnesium	ND	1		mg/L	07/21/2004 943 MH	EPA 200.7
Potassium	ND	1		mg/L	07/21/2004 943 MH	EPA 200.7
Sodium	33	1		mg/L	07/21/2004 943 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	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Reviewed by: Karen Banks

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: S0407025-006
Client Sample ID 3T27-2
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	1.08	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	0.08	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	0.65	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Calcium	0.26	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Magnesium	ND	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Potassium	ND	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Sodium	1.63	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	1.71	0		meq/L	08/04/2004 1114 JG	SM 1030F
Anion Sum	1.81	0		meq/L	08/04/2004 1114 JG	SM 1030F
Cation-Anion Difference	0.10	0		meq/L	08/04/2004 1114 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	07/21/2004 943 MH	EPA 200.7
Arsenic	0.013	0.005		mg/L	07/21/2004 1049 MS	EPA 200.8
Barium	ND	0.5		mg/L	07/21/2004 1049 MS	EPA 200.8
Boron	0.07	0.01		mg/L	07/21/2004 943 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	07/21/2004 1049 MS	EPA 200.8
Chromium	ND	0.01		mg/L	07/21/2004 943 MH	EPA 200.7
Copper	ND	0.01		mg/L	07/21/2004 1049 MS	EPA 200.8
Iron	1.47	0.05		mg/L	07/21/2004 943 MH	EPA 200.7
Lead	ND	0.02		mg/L	07/21/2004 1049 MS	EPA 200.8
Manganese	ND	0.02		mg/L	07/21/2004 943 MH	EPA 200.7
Mercury	ND	0.001		mg/L	07/23/2004 1008 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	07/21/2004 1049 MS	EPA 200.8
Nickel	ND	0.01		mg/L	07/21/2004 943 MH	EPA 200.7
Selenium	ND	0.005		mg/L	07/21/2004 1049 MS	EPA 200.8
Uranium	0.0238	0.0001		mg/L	07/21/2004 1049 MS	EPA 200.8
Vanadium	0.04	0.02		mg/L	07/21/2004 1049 MS	EPA 200.8
Zinc	ND	0.01		mg/L	07/21/2004 943 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	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Reviewed by: Karen Boarts

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: S0407025-007
Client Sample ID 3V58-2
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	8.0	0.1		s.u.	07/20/2004 2035 JG	EPA 150.1
Electrical Conductivity	464	5		µmhos/cm	07/20/2004 2035 JG	SM 2510B
Total Dissolved Solids (180)	290	10		mg/L	07/20/2004 1600 KA	SM 2540
Solids, Total Dissolved (Calc)	250	10		mg/L	08/04/2004 1114 JG	SM 1030F
Acidity	ND	5		mg/L	07/21/2004 1524 JG	SM 2310B
Alkalinity, Total (As CaCO3)	98	5		mg/L	07/20/2004 2035 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	37	1		mg/L	08/04/2004 1114 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	07/26/2004 1122 KB	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	07/20/2004 1557 KB	EPA 353.2
Silica as SiO2	11	0.1		mg/L	07/21/2004 947 MH	EPA 200.7
Radium 226	156±8.5	0.2		pCi/L	07/29/2004 1445 JN	SM 7500
Sodium Adsorption Ratio	5.4	0.1			08/04/2004 1114 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	120	5		mg/L	07/20/2004 2035 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	07/20/2004 2035 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	07/20/2004 2035 JG	SM 2320B
Chloride	5	1		mg/L	07/21/2004 1427 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	07/20/2004 2035 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	07/21/2004 1046 KB	EPA 353.2
Sulfate	96	1		mg/L	07/21/2004 1427 LK	EPA 300.0
Cations						
Calcium	12	1		mg/L	07/21/2004 947 MH	EPA 200.7
Magnesium	2	1		mg/L	07/21/2004 947 MH	EPA 200.7
Potassium	ND	1		mg/L	07/21/2004 947 MH	EPA 200.7
Sodium	76	1		mg/L	07/21/2004 947 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	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Reviewed by: Karen Boule

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: S0407025-007
Client Sample ID 3V58-2
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	1.96	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	0.13	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	1.99	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Calcium	0.58	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Magnesium	0.15	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Potassium	0.02	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Sodium	3.28	0.01		meq/L	08/04/2004 1114 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	4.05	0		meq/L	08/04/2004 1114 JG	SM 1030F
Anion Sum	4.10	0		meq/L	08/04/2004 1114 JG	SM 1030F
Cation-Anion Balance	0.50	0		%	08/04/2004 1114 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	07/21/2004 947 MH	EPA 200.7
Arsenic	0.018	0.005		mg/L	07/21/2004 1052 MS	EPA 200.8
Barium	ND	0.5		mg/L	07/21/2004 1052 MS	EPA 200.8
Boron	0.07	0.01		mg/L	07/21/2004 947 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	07/21/2004 1052 MS	EPA 200.8
Chromium	ND	0.01		mg/L	07/21/2004 947 MH	EPA 200.7
Copper	ND	0.01		mg/L	07/21/2004 1052 MS	EPA 200.8
Iron	0.24	0.05		mg/L	07/21/2004 947 MH	EPA 200.7
Lead	ND	0.02		mg/L	07/21/2004 1052 MS	EPA 200.8
Manganese	0.99	0.02		mg/L	07/21/2004 947 MH	EPA 200.7
Mercury	ND	0.001		mg/L	07/23/2004 1010 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	07/21/2004 1052 MS	EPA 200.8
Nickel	ND	0.01		mg/L	07/21/2004 947 MH	EPA 200.7
Selenium	0.014	0.005		mg/L	07/21/2004 1052 MS	EPA 200.8
Uranium	0.106	0.0001		mg/L	07/21/2004 1052 MS	EPA 200.8
Vanadium	0.04	0.02		mg/L	07/21/2004 1052 MS	EPA 200.8
Zinc	ND	0.01		mg/L	07/21/2004 947 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
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Reviewed by: _____

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)

150C
150C

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by _____ Date 10-30-04 Received by _____ Date 10-20 16:45

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 3 / 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	3S20-1	10-19-04	Half Gal.	X		X		10230-001
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	3J26-1		**	**	**	**	**	002
3	3T34-2	10-20-04	**	**	**	**	**	003
4	3.4083-1		**	**	**	**	**	004
5	3V58-1		**	**	**	**	**	005
6	3B459-1		**	**	**	**	**	006
7	3C37-2		**	**	**	**	**	007
8	3C445-1		**	**	**	**	**	008
9	3K9-1		**	**	**	**	**	009
10	3E6-1		**	**	**	**	**	010
11	3Z89-1		**	**	**	**	**	011
12	4H17-1		**	**	**	**	**	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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-001
Client Sample ID 3S20-1
Matrix: Water

Work Order: S0410230
Collection Date: 10/19/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.5	0.1		s.u.	10/21/2004 1812 JG	EPA 150.1
Electrical Conductivity	534	5		µmhos/cm	10/21/2004 1812 JG	SM 2510B
Total Dissolved Solids (180)	350	10		mg/L	10/21/2004 1557 KA	SM 2540
Solids, Total Dissolved (Calc)	310	10		mg/L	10/28/2004 905 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/25/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	80	5		mg/L	10/21/2004 1812 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	95	1		mg/L	10/28/2004 905 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1506 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/21/2004 1253 RM	EPA 353.2
Radium 226	207.3±6.8	0.2		pCi/L	10/28/2004 000 TWP	SM 7500 RA B
Silica as SiO2	12.5	0.1		mg/L	10/22/2004 747 MH	EPA 200.7
Sodium Adsorption Ratio	3.1	0.1			10/28/2004 905 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	97	5		mg/L	10/21/2004 1812 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 1812 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 1812 JG	SM 2320B
Chloride	4	1		mg/L	10/21/2004 1725 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 1812 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1049 RM	EPA 353.2
Sulfate	155	1		mg/L	10/21/2004 1725 LK	EPA 300.0
Cations						
Calcium	33	1		mg/L	10/22/2004 747 MH	EPA 200.7
Magnesium	3	1		mg/L	10/22/2004 747 MH	EPA 200.7
Potassium	ND	1		mg/L	10/22/2004 747 MH	EPA 200.7
Sodium	70	1		mg/L	10/22/2004 747 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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-001
Client Sample ID 3S20-1
Matrix: Water

Work Order: S0410230
Collection Date: 10/19/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.59	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Chloride	0.10	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Fluoride	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sulfate	3.21	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Calcium	1.66	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Magnesium	0.22	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Potassium	0.02	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sodium	3.02	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	4.94	0		meq/L	10/28/2004 905 KA	SM 1030F
Anion Sum	4.91	0		meq/L	10/28/2004 905 KA	SM 1030F
Cation-Anion Balance	0.29	0		%	10/28/2004 905 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/22/2004 747 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1057 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1057 MS	EPA 200.8
Boron	0.07	0.03		mg/L	10/22/2004 747 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1057 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/22/2004 747 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1057 MS	EPA 200.8
Iron	0.05	0.05		mg/L	10/22/2004 747 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1057 MS	EPA 200.8
Manganese	0.07	0.02		mg/L	10/22/2004 747 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1126 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1057 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/22/2004 747 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/22/2004 1057 MS	EPA 200.8
Uranium	0.0051	0.0001		mg/L	10/22/2004 1057 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/22/2004 1057 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/22/2004 747 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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-002
Client Sample ID 3J26-1
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.3	0.1		s.u.	10/21/2004 1824 JG	EPA 150.1
Electrical Conductivity	731	5		µmhos/cm	10/21/2004 1824 JG	SM 2510B
Total Dissolved Solids (180)	490	10		mg/L	10/21/2004 1600 KA	SM 2540
Solids, Total Dissolved (Calc)	430	10		mg/L	10/28/2004 905 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/25/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	95	5		mg/L	10/21/2004 1824 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	77	1		mg/L	10/28/2004 905 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1507 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/21/2004 1254 RM	EPA 353.2
Radium 226	108.4±5.0	0.2		pCi/L	10/28/2004 000 TWP	SM 7500 RA B
Silica as SiO2	19.5	0.1		mg/L	10/22/2004 754 MH	EPA 200.7
Sodium Adsorption Ratio	5.8	0.1			10/28/2004 905 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	115	5		mg/L	10/21/2004 1824 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 1824 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 1824 JG	SM 2320B
Chloride	6	1		mg/L	10/21/2004 1834 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 1824 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1050 RM	EPA 353.2
Sulfate	222	1		mg/L	10/21/2004 1834 LK	EPA 300.0
Cations						
Calcium	23	1		mg/L	10/22/2004 754 MH	EPA 200.7
Magnesium	5	1		mg/L	10/22/2004 754 MH	EPA 200.7
Potassium	1	1		mg/L	10/22/2004 754 MH	EPA 200.7
Sodium	116	1		mg/L	10/22/2004 754 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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-002
Client Sample ID 3J26-1
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.89	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Chloride	0.17	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Fluoride	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sulfate	4.61	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Calcium	1.15	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Magnesium	0.39	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Potassium	0.03	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sodium	5.04	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	6.62	0		meq/L	10/28/2004 905 KA	SM 1030F
Anion Sum	6.68	0		meq/L	10/28/2004 905 KA	SM 1030F
Cation-Anion Balance	0.48	0		%	10/28/2004 905 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/22/2004 754 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1105 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1105 MS	EPA 200.8
Boron	0.07	0.03		mg/L	10/22/2004 754 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1105 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/22/2004 754 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1105 MS	EPA 200.8
Iron	0.17	0.05		mg/L	10/22/2004 754 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1105 MS	EPA 200.8
Manganese	0.08	0.02		mg/L	10/22/2004 754 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1132 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1105 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/22/2004 754 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/22/2004 1105 MS	EPA 200.8
Uranium	0.0224	0.0001		mg/L	10/22/2004 1105 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/22/2004 1105 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/22/2004 754 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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-003
Client Sample ID 3T27-2
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.5	0.1		s.u.	10/21/2004 1838 JG	EPA 150.1
Electrical Conductivity	550	5		µmhos/cm	10/21/2004 1838 JG	SM 2510B
Total Dissolved Solids (180)	370	10		mg/L	10/21/2004 1603 KA	SM 2540
Solids, Total Dissolved (Calc)	340	10		mg/L	10/28/2004 905 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/25/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	81	5		mg/L	10/27/2004 1750 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	82	1		mg/L	10/28/2004 905 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1508 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/21/2004 1255 RM	EPA 353.2
Radium 226	187.3±6.6	0.2		pCi/L	10/28/2004 000 TWP	SM 7500 RA B
Silica as SiO2	18.5	0.1		mg/L	10/22/2004 758 MH	EPA 200.7
Sodium Adsorption Ratio	4.0	0.1			10/28/2004 905 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	99	5		mg/L	10/27/2004 1750 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/27/2004 1750 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/27/2004 1750 KA	SM 2320B
Chloride	4	1		mg/L	10/21/2004 1847 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 1838 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1051 RM	EPA 353.2
Sulfate	176	1		mg/L	10/27/2004 814 LK	EPA 300.0
Cations						
Calcium	27	1		mg/L	10/26/2004 811 MH	EPA 200.7
Magnesium	3	1		mg/L	10/26/2004 811 MH	EPA 200.7
Potassium	1	1		mg/L	10/26/2004 811 MH	EPA 200.7
Sodium	83	1		mg/L	10/26/2004 811 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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-003
Client Sample ID 3T27-2
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.62	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Chloride	0.10	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Fluoride	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sulfate	3.12	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Calcium	1.30	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Magnesium	0.26	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Potassium	0.02	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sodium	3.62	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	5.28	0		meq/L	10/28/2004 905 KA	SM 1030F
Anion Sum	5.40	0		meq/L	10/28/2004 905 KA	SM 1030F
Cation-Anion Balance	1.16	0		%	10/28/2004 905 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/22/2004 758 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1107 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1107 MS	EPA 200.8
Boron	0.09	0.03		mg/L	10/22/2004 758 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1107 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/22/2004 758 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1107 MS	EPA 200.8
Iron	1.55	0.05		mg/L	10/22/2004 758 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1107 MS	EPA 200.8
Manganese	0.07	0.02		mg/L	10/22/2004 758 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1133 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1107 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/22/2004 758 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/22/2004 1107 MS	EPA 200.8
Uranium	0.0108	0.0001		mg/L	10/22/2004 1107 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/22/2004 1107 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/22/2004 758 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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-004
Client Sample ID 3AC82-1
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	10/21/2004 1849 JG	EPA 150.1
Electrical Conductivity	306	5		µmhos/cm	10/21/2004 1849 JG	SM 2510B
Total Dissolved Solids (180)	210	10		mg/L	10/21/2004 1606 KA	SM 2540
Solids, Total Dissolved (Calc)	180	10		mg/L	10/28/2004 905 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/25/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	69	5		mg/L	10/21/2004 1849 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	26	1		mg/L	10/28/2004 905 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1509 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/21/2004 1256 RM	EPA 353.2
Radium 226	466±15	0.2		pCi/L	10/28/2004 000 TWP	SM 7500 RA B
Silica as SiO2	11.5	0.1		mg/L	10/22/2004 817 MH	EPA 200.7
Sodium Adsorption Ratio	4.8	0.1			10/28/2004 905 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	84	5		mg/L	10/21/2004 1849 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 1849 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 1849 JG	SM 2320B
Chloride	3	1		mg/L	10/21/2004 1901 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 1849 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1052 RM	EPA 353.2
Sulfate	71	1		mg/L	10/21/2004 1901 LK	EPA 300.0
Cations						
Calcium	8	1		mg/L	10/22/2004 817 MH	EPA 200.7
Magnesium	1	1		mg/L	10/22/2004 817 MH	EPA 200.7
Potassium	ND	1		mg/L	10/22/2004 817 MH	EPA 200.7
Sodium	56	1		mg/L	10/22/2004 817 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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-004
Client Sample ID 3AC82-1
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.37	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Chloride	0.08	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Fluoride	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sulfate	1.47	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Calcium	0.40	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Magnesium	0.10	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Potassium	0.01	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sodium	2.44	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	2.97	0		meq/L	10/28/2004 905 KA	SM 1030F
Anion Sum	2.94	0		meq/L	10/28/2004 905 KA	SM 1030F
Cation-Anion Balance	0.53	0		%	10/28/2004 905 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/22/2004 817 MH	EPA 200.7
Arsenic	0.009	0.005		mg/L	10/22/2004 1110 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1110 MS	EPA 200.8
Boron	0.08	0.03		mg/L	10/22/2004 817 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1110 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/22/2004 817 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1110 MS	EPA 200.8
Iron	0.22	0.05		mg/L	10/22/2004 817 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1110 MS	EPA 200.8
Manganese	0.06	0.02		mg/L	10/22/2004 817 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1135 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1110 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/22/2004 817 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/22/2004 1110 MS	EPA 200.8
Uranium	0.0376	0.0001		mg/L	10/22/2004 1110 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/22/2004 1110 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/22/2004 817 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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-005
Client Sample ID 3V58-2
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	10/21/2004 1902 JG	EPA 150.1
Electrical Conductivity	730	5		µmhos/cm	10/21/2004 1902 JG	SM 2510B
Total Dissolved Solids (180)	480	10		mg/L	10/21/2004 1609 KA	SM 2540
Solids, Total Dissolved (Calc)	440	10		mg/L	10/28/2004 905 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/25/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	177	5		mg/L	10/21/2004 1902 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	98	1		mg/L	10/28/2004 905 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1510 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/21/2004 1257 RM	EPA 353.2
Radium 226	100.9±4.9	0.2		pCi/L	10/28/2004 000 TWP	SM 7500 RA B
Silica as SiO2	11.5	0.1		mg/L	10/22/2004 821 MH	EPA 200.7
Sodium Adsorption Ratio	5.4	0.1			10/28/2004 905 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	216	5		mg/L	10/21/2004 1902 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 1902 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 1902 JG	SM 2320B
Chloride	8	1		mg/L	10/21/2004 1915 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 1902 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1053 RM	EPA 353.2
Sulfate	164	1		mg/L	10/21/2004 1915 LK	EPA 300.0
Cations						
Calcium	30	1		mg/L	10/22/2004 821 MH	EPA 200.7
Magnesium	6	1		mg/L	10/22/2004 821 MH	EPA 200.7
Potassium	2	1		mg/L	10/22/2004 821 MH	EPA 200.7
Sodium	123	1		mg/L	10/22/2004 821 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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-005
Client Sample ID 3V58-2
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.54	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Chloride	0.22	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Fluoride	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sulfate	3.40	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Calcium	1.49	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Magnesium	0.45	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Potassium	0.04	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sodium	5.34	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	7.34	0		meq/L	10/28/2004 905 KA	SM 1030F
Anion Sum	7.18	0		meq/L	10/28/2004 905 KA	SM 1030F
Cation-Anion Balance	1.09	0		%	10/28/2004 905 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/22/2004 821 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1113 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1113 MS	EPA 200.8
Boron	0.07	0.03		mg/L	10/22/2004 821 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1113 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/22/2004 821 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1113 MS	EPA 200.8
Iron	0.92	0.05		mg/L	10/22/2004 821 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1113 MS	EPA 200.8
Manganese	0.16	0.02		mg/L	10/22/2004 821 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1137 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1113 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/22/2004 821 MH	EPA 200.7
Selenium	0.042	0.005		mg/L	10/22/2004 1113 MS	EPA 200.8
Uranium	0.104	0.0001		mg/L	10/22/2004 1113 MS	EPA 200.8
Vanadium	0.03	0.02		mg/L	10/22/2004 1113 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/22/2004 821 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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-006
Client Sample ID 3AA57-1
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	10/21/2004 1913 JG	EPA 150.1
Electrical Conductivity	593	5		µmhos/cm	10/21/2004 1913 JG	SM 2510B
Total Dissolved Solids (180)	380	10		mg/L	10/22/2004 937 KA	SM 2540
Solids, Total Dissolved (Calc)	350	10		mg/L	10/28/2004 905 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/25/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	213	5		mg/L	10/21/2004 1913 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	83	1		mg/L	10/28/2004 905 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1511 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/21/2004 1258 RM	EPA 353.2
Radium 226	85.7±4.5	0.2		pCi/L	10/28/2004 000 TWP	SM 7500 RA B
Silica as SiO2	11.3	0.1		mg/L	10/22/2004 824 MH	EPA 200.7
Sodium Adsorption Ratio	4.8	0.1			10/28/2004 905 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	260	5		mg/L	10/21/2004 1913 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 1913 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 1913 JG	SM 2320B
Chloride	4	1		mg/L	10/21/2004 1929 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 1913 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1054 RM	EPA 353.2
Sulfate	82	1		mg/L	10/21/2004 1929 LK	EPA 300.0
Cations						
Calcium	24	1		mg/L	10/22/2004 824 MH	EPA 200.7
Magnesium	5	1		mg/L	10/22/2004 824 MH	EPA 200.7
Potassium	1	1		mg/L	10/22/2004 824 MH	EPA 200.7
Sodium	102	1		mg/L	10/22/2004 824 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

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Inter·Mountain Laboratories, Inc.
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Sample Analysis Report

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

Date Reported: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-006
Client Sample ID 3AA57-1
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.26	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Chloride	0.10	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Fluoride	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sulfate	1.70	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Calcium	1.21	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Magnesium	0.44	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Potassium	0.03	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sodium	4.42	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	6.12	0		meq/L	10/28/2004 905 KA	SM 1030F
Anion Sum	6.07	0		meq/L	10/28/2004 905 KA	SM 1030F
Cation-Anion Balance	0.42	0		%	10/28/2004 905 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/22/2004 824 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1115 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1115 MS	EPA 200.8
Boron	0.08	0.03		mg/L	10/22/2004 824 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1115 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/22/2004 824 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1115 MS	EPA 200.8
Iron	0.12	0.05		mg/L	10/22/2004 824 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1115 MS	EPA 200.8
Manganese	0.09	0.02		mg/L	10/22/2004 824 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1139 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1115 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/22/2004 824 MH	EPA 200.7
Selenium	0.006	0.005		mg/L	10/22/2004 1115 MS	EPA 200.8
Uranium	2.58	0.0001		mg/L	10/22/2004 1115 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/22/2004 1115 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/22/2004 824 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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-007
Client Sample ID 3037-2
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	10/21/2004 1926 JG	EPA 150.1
Electrical Conductivity	605	5		µmhos/cm	10/21/2004 1926 JG	SM 2510B
Total Dissolved Solids (180)	430	10		mg/L	10/22/2004 940 KA	SM 2540
Solids, Total Dissolved (Calc)	370	10		mg/L	10/28/2004 905 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/25/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	91	5		mg/L	10/21/2004 1926 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	133	1		mg/L	10/28/2004 905 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1518 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/21/2004 1259 RM	EPA 353.2
Radium 226	235±11	0.2		pCi/L	10/28/2004 000 TWP	SM 7500 RA B
Silica as SiO2	22.9	0.1		mg/L	10/22/2004 828 MH	EPA 200.7
Sodium Adsorption Ratio	2.8	0.1			10/28/2004 905 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	111	5		mg/L	10/21/2004 1926 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 1926 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 1926 JG	SM 2320B
Chloride	4	1		mg/L	10/21/2004 1942 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 1926 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1102 RM	EPA 353.2
Sulfate	181	1		mg/L	10/21/2004 1942 LK	EPA 300.0
Cations						
Calcium	49	1		mg/L	10/22/2004 828 MH	EPA 200.7
Magnesium	3	1		mg/L	10/26/2004 826 MH	EPA 200.7
Potassium	ND	1		mg/L	10/26/2004 826 MH	EPA 200.7
Sodium	73	1		mg/L	10/22/2004 828 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:

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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

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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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-007
Client Sample ID 3037-2
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.82	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Chloride	0.11	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Fluoride	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sulfate	3.77	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Calcium	2.43	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Magnesium	0.22	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Potassium	0.01	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sodium	3.19	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	5.85	0		meq/L	10/28/2004 905 KA	SM 1030F
Anion Sum	5.71	0		meq/L	10/28/2004 905 KA	SM 1030F
Cation-Anion Balance	1.22	0		%	10/28/2004 905 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/22/2004 828 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1118 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1118 MS	EPA 200.8
Boron	0.10	0.03		mg/L	10/22/2004 828 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1118 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/22/2004 828 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1118 MS	EPA 200.8
Iron	1.10	0.05		mg/L	10/22/2004 828 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1118 MS	EPA 200.8
Manganese	0.10	0.02		mg/L	10/22/2004 828 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1141 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1118 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/22/2004 828 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/22/2004 1118 MS	EPA 200.8
Uranium	0.0634	0.0001		mg/L	10/22/2004 1118 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/22/2004 1118 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/22/2004 828 MH	EPA 200.7

These results apply only to the samples tested.

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Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-008
Client Sample ID 3W75-1
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	10/21/2004 1938 JG	EPA 150.1
Electrical Conductivity	210	5		µmhos/cm	10/21/2004 1938 JG	SM 2510B
Total Dissolved Solids (180)	150	10		mg/L	10/22/2004 943 KA	SM 2540
Solids, Total Dissolved (Calc)	100	10		mg/L	10/28/2004 905 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/25/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	71	5		mg/L	10/21/2004 1938 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	34	1		mg/L	10/28/2004 905 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1519 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/21/2004 1300 RM	EPA 353.2
Radium 226	55.6±3.7	0.2		pCi/L	10/28/2004 000 TWP	SM 7500 RA B
Silica as SiO2	13.4	0.1		mg/L	10/22/2004 832 MH	EPA 200.7
Sodium Adsorption Ratio	2.2	0.1			10/28/2004 905 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	86	5		mg/L	10/21/2004 1938 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 1938 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 1938 JG	SM 2320B
Chloride	3	1		mg/L	10/21/2004 1956 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 1938 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1103 RM	EPA 353.2
Sulfate	15	1		mg/L	10/21/2004 1956 LK	EPA 300.0
Cations						
Calcium	14	1		mg/L	10/22/2004 832 MH	EPA 200.7
Magnesium	ND	1		mg/L	10/22/2004 832 MH	EPA 200.7
Potassium	ND	1		mg/L	10/22/2004 832 MH	EPA 200.7
Sodium	29	1		mg/L	10/22/2004 832 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:

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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

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Sample Analysis Report

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

Date Reported: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-008
Client Sample ID 3W75-1
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.41	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Chloride	0.09	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Fluoride	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sulfate	0.30	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Calcium	0.68	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Magnesium	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Potassium	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sodium	1.25	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	1.93	0		meq/L	10/28/2004 905 KA	SM 1030F
Anion Sum	1.82	0		meq/L	10/28/2004 905 KA	SM 1030F
Cation-Anion Balance	3.12	0		%	10/28/2004 905 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/22/2004 832 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1120 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1120 MS	EPA 200.8
Boron	0.07	0.03		mg/L	10/22/2004 832 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1120 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/22/2004 832 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1120 MS	EPA 200.8
Iron	0.06	0.05		mg/L	10/22/2004 832 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1120 MS	EPA 200.8
Manganese	ND	0.02		mg/L	10/22/2004 832 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1146 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1120 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/22/2004 832 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/22/2004 1120 MS	EPA 200.8
Uranium	0.0119	0.0001		mg/L	10/22/2004 1120 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/22/2004 1120 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/22/2004 832 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

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Wade Nieuwsma, Project Manager

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Sample Analysis Report

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

Date Reported: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-009
Client Sample ID 4K9-1
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.3	0.1		s.u.	10/21/2004 1948 JG	EPA 150.1
Electrical Conductivity	736	5		µmhos/cm	10/21/2004 1948 JG	SM 2510B
Total Dissolved Solids (180)	470	10		mg/L	10/22/2004 946 KA	SM 2540
Solids, Total Dissolved (Calc)	430	10		mg/L	10/28/2004 905 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/25/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	137	5		mg/L	10/21/2004 1948 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	29	1		mg/L	10/28/2004 905 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1520 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/21/2004 1301 RM	EPA 353.2
Radium 226	19.5±2.4	0.2		pCi/L	10/28/2004 000 TWP	SM 7500 RA B
Silica as SiO2	5.1	0.1		mg/L	10/22/2004 835 MH	EPA 200.7
Sodium Adsorption Ratio	11.4	0.1			10/28/2004 905 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	167	5		mg/L	10/21/2004 1948 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 1948 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 1948 JG	SM 2320B
Chloride	8	1		mg/L	10/21/2004 2010 LK	EPA 300.0
Fluoride	0.2	0.1		mg/L	10/21/2004 1948 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1104 RM	EPA 353.2
Sulfate	184	1		mg/L	10/21/2004 2010 LK	EPA 300.0
Cations						
Calcium	9	1		mg/L	10/26/2004 829 MH	EPA 200.7
Magnesium	2	1		mg/L	10/26/2004 829 MH	EPA 200.7
Potassium	2	1		mg/L	10/26/2004 829 MH	EPA 200.7
Sodium	141	1		mg/L	10/22/2004 835 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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-009
Client Sample ID 4K9-1
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.73	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Chloride	0.23	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Fluoride	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sulfate	3.83	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Calcium	0.45	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Magnesium	0.12	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Potassium	0.04	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sodium	6.11	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	6.73	0		meq/L	10/28/2004 905 KA	SM 1030F
Anion Sum	6.81	0		meq/L	10/28/2004 905 KA	SM 1030F
Cation-Anion Balance	0.56	0		%	10/28/2004 905 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/22/2004 835 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1123 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1123 MS	EPA 200.8
Boron	0.05	0.03		mg/L	10/22/2004 835 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1123 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/22/2004 835 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1123 MS	EPA 200.8
Iron	ND	0.05		mg/L	10/22/2004 835 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1123 MS	EPA 200.8
Manganese	ND	0.02		mg/L	10/22/2004 835 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1148 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1123 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/22/2004 835 MH	EPA 200.7
Selenium	0.190	0.005		mg/L	10/22/2004 1123 MS	EPA 200.8
Uranium	0.557	0.0001		mg/L	10/22/2004 1123 MS	EPA 200.8
Vanadium	0.04	0.02		mg/L	10/22/2004 1123 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/22/2004 835 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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-010
Client Sample ID 4E6-1
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.3	0.1		s.u.	10/21/2004 2002 JG	EPA 150.1
Electrical Conductivity	1640	5		µmhos/cm	10/21/2004 2002 JG	SM 2510B
Total Dissolved Solids (180)	1120	10		mg/L	10/22/2004 949 KA	SM 2540
Solids, Total Dissolved (Calc)	1050	10		mg/L	10/28/2004 905 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/25/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	542	5		mg/L	10/21/2004 2002 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	145	1		mg/L	10/28/2004 905 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1521 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/21/2004 1302 RM	EPA 353.2
Radium 226	150.6±6.2	0.2		pCi/L	10/28/2004 000 TWP	SM 7500 RA B
Silica as SiO2	15.9	0.1		mg/L	10/22/2004 839 MH	EPA 200.7
Sodium Adsorption Ratio	12.5	0.1			10/28/2004 905 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	660	5		mg/L	10/21/2004 2002 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 2002 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 2002 JG	SM 2320B
Chloride	51	1		mg/L	10/21/2004 2024 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 2002 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	0.08	0.05		mg/L	10/22/2004 1105 RM	EPA 353.2
Sulfate	271	1		mg/L	10/21/2004 2024 LK	EPA 300.0
Cations						
Calcium	44	1		mg/L	10/22/2004 839 MH	EPA 200.7
Magnesium	9	1		mg/L	10/22/2004 839 MH	EPA 200.7
Potassium	5	1		mg/L	10/22/2004 839 MH	EPA 200.7
Sodium	346	1		mg/L	10/22/2004 839 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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-010
Client Sample ID 4E6-1
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	10.81	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Chloride	1.42	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Fluoride	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sulfate	5.64	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Calcium	2.17	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Magnesium	0.72	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Potassium	0.13	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sodium	15.05	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	18.08	0		meq/L	10/28/2004 905 KA	SM 1030F
Anion Sum	17.90	0		meq/L	10/28/2004 905 KA	SM 1030F
Cation-Anion Balance	0.48	0		%	10/28/2004 905 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/22/2004 839 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1126 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1126 MS	EPA 200.8
Boron	0.08	0.03		mg/L	10/22/2004 839 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1126 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/22/2004 839 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1126 MS	EPA 200.8
Iron	ND	0.05		mg/L	10/22/2004 839 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1126 MS	EPA 200.8
Manganese	ND	0.02		mg/L	10/22/2004 839 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1149 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1126 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/22/2004 839 MH	EPA 200.7
Selenium	0.152	0.005		mg/L	10/22/2004 1126 MS	EPA 200.8
Uranium	6.83	0.0001		mg/L	10/22/2004 1126 MS	EPA 200.8
Vanadium	0.43	0.02		mg/L	10/22/2004 1126 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/22/2004 839 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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-011
Client Sample ID 3Z87-1
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	10/21/2004 2015 JG	EPA 150.1
Electrical Conductivity	225	5		µmhos/cm	10/21/2004 2015 JG	SM 2510B
Total Dissolved Solids (180)	160	10		mg/L	10/22/2004 952 KA	SM 2540
Solids, Total Dissolved (Calc)	130	10		mg/L	10/28/2004 905 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/25/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	63	5		mg/L	10/21/2004 2015 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	29	1		mg/L	10/28/2004 905 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1522 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/21/2004 1303 RM	EPA 353.2
Radium 226	29.2±2.7	0.2		pCi/L	10/28/2004 000 TWP	SM 7500 RA B
Silica as SiO2	12.4	0.1		mg/L	10/22/2004 843 MH	EPA 200.7
Sodium Adsorption Ratio	3.0	0.1			10/28/2004 905 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	76	5		mg/L	10/21/2004 2015 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 2015 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 2015 JG	SM 2320B
Chloride	3	1		mg/L	10/21/2004 2037 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 2015 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1106 RM	EPA 353.2
Sulfate	35	1		mg/L	10/21/2004 2037 LK	EPA 300.0
Cations						
Calcium	12	1		mg/L	10/22/2004 843 MH	EPA 200.7
Magnesium	ND	1		mg/L	10/22/2004 843 MH	EPA 200.7
Potassium	ND	1		mg/L	10/22/2004 843 MH	EPA 200.7
Sodium	38	1		mg/L	10/22/2004 843 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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-011
Client Sample ID 3Z87-1
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.25	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Chloride	0.09	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Fluoride	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sulfate	0.73	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Calcium	0.58	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Magnesium	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Potassium	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sodium	1.64	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	2.22	0		meq/L	10/28/2004 905 KA	SM 1030F
Anion Sum	2.08	0		meq/L	10/28/2004 905 KA	SM 1030F
Cation-Anion Balance	3.40	0		%	10/28/2004 905 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/22/2004 843 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1139 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1139 MS	EPA 200.8
Boron	0.07	0.03		mg/L	10/22/2004 843 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1139 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/22/2004 843 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1139 MS	EPA 200.8
Iron	0.07	0.05		mg/L	10/22/2004 843 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1139 MS	EPA 200.8
Manganese	0.06	0.02		mg/L	10/22/2004 843 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1151 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1139 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/22/2004 843 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/22/2004 1139 MS	EPA 200.8
Uranium	0.0188	0.0001		mg/L	10/22/2004 1139 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/22/2004 1139 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/22/2004 843 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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-012
Client Sample ID 4H7-1
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.6	0.1		s.u.	10/21/2004 2025 JG	EPA 150.1
Electrical Conductivity	675	5		µmhos/cm	10/21/2004 2025 JG	SM 2510B
Total Dissolved Solids (180)	430	10		mg/L	10/22/2004 955 KA	SM 2540
Solids, Total Dissolved (Calc)	390	10		mg/L	10/28/2004 905 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/25/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	107	5		mg/L	10/21/2004 2025 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	17	1		mg/L	10/28/2004 905 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.6	0.1		mg/L	10/22/2004 1523 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/21/2004 1304 RM	EPA 353.2
Radium 226	8.8±1.5	0.2		pCi/L	10/28/2004 000 TWP	SM 7500 RA B
Silica as SIO2	8.5	0.1		mg/L	10/22/2004 847 MH	EPA 200.7
Sodium Adsorption Ratio	13.7	0.1			10/28/2004 905 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	121	5		mg/L	10/21/2004 2025 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 2025 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 2025 JG	SM 2320B
Chloride	7	1		mg/L	10/21/2004 2200 LK	EPA 300.0
Fluoride	0.2	0.1		mg/L	10/21/2004 2025 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1107 RM	EPA 353.2
Sulfate	176	1		mg/L	10/21/2004 2200 LK	EPA 300.0
Cations						
Calcium	6	1		mg/L	10/26/2004 833 MH	EPA 200.7
Magnesium	ND	1		mg/L	10/26/2004 833 MH	EPA 200.7
Potassium	1	1		mg/L	10/26/2004 833 MH	EPA 200.7
Sodium	130	1		mg/L	10/22/2004 847 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: 11/8/2004
Report ID: S0410230001

Project: Cogema Christensen Mine
Lab ID: S0410230-012
Client Sample ID 4H7-1
Matrix: Water

Work Order: S0410230
Collection Date: 10/20/2004
Date Received: 10/20/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.98	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Carbonate as CO3	0.16	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Chloride	0.20	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Fluoride	0.01	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sulfate	3.67	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Calcium	0.27	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Magnesium	0.06	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Potassium	0.02	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Sodium	3.59	0.01		meq/L	10/28/2004 905 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	6.02	0		meq/L	10/28/2004 905 KA	SM 1030F
Anion Sum	6.03	0		meq/L	10/28/2004 905 KA	SM 1030F
Cation-Anion Balance	0.03	0		%	10/28/2004 905 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/22/2004 847 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1147 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1147 MS	EPA 200.8
Boron	0.05	0.03		mg/L	10/22/2004 847 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1147 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/22/2004 847 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1147 MS	EPA 200.8
Iron	ND	0.05		mg/L	10/22/2004 847 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1147 MS	EPA 200.8
Manganese	0.02	0.02		mg/L	10/22/2004 847 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1157 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1147 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/22/2004 847 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/22/2004 1147 MS	EPA 200.8
Uranium	0.0149	0.0001		mg/L	10/22/2004 1147 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/22/2004 1147 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/22/2004 847 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)

15°C
13°C

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by [signature] Date 10-19-04 Received by [signature] Date 10-19 16:45

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 MU 3 / 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	3G13-1	10-19-04	Half Gal.	X		X		10215-001
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	3L20-1		**	**	**	**	**	002
3	3L16-1		**	**	**	**	**	003
4	3Q22-1		**	**	**	**	**	004
5	3D12-1		**	**	**	**	**	005
6	3W52-2		**	**	**	**	**	006
7	3W45-1		**	**	**	**	**	007
8	3W67-1		**	**	**	**	**	008
9	3N25-1		**	**	**	**	**	009
10	3T37-1		**	**	**	**	**	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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-001
Client Sample ID 3G13-1
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	10/21/2004 913 JG	EPA 150.1
Electrical Conductivity	576	5		µmhos/cm	10/21/2004 913 JG	SM 2510B
Total Dissolved Solids (180)	390	10		mg/L	10/21/2004 1424 KA	SM 2540
Solids, Total Dissolved (Calc)	340	10		mg/L	10/26/2004 1349 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	181	5		mg/L	10/21/2004 913 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	104	1		mg/L	10/26/2004 1349 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1446 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/20/2004 1042 RM	EPA 353.2
Radium 226	174.3±9.0	0.2		pCi/L	10/25/2004 000 TWP	SM 7500 RA B
Silica as SiO2	17.7	0.1		mg/L	10/21/2004 723 MH	EPA 200.7
Sodium Adsorption Ratio	3.8	0.1			10/26/2004 1349 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	221	5		mg/L	10/21/2004 913 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 913 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 913 JG	SM 2320B
Chloride	8	1		mg/L	10/20/2004 1918 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 913 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1012 RM	EPA 353.2
Sulfate	96	1		mg/L	10/20/2004 1918 LK	EPA 300.0
Cations						
Calcium	35	1		mg/L	10/21/2004 723 MH	EPA 200.7
Magnesium	4	1		mg/L	10/21/2004 723 MH	EPA 200.7
Potassium	1	1		mg/L	10/21/2004 723 MH	EPA 200.7
Sodium	90	1		mg/L	10/21/2004 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-001
Client Sample ID 3G13-1
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.62	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Chloride	0.21	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sulfate	1.99	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Calcium	1.75	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Magnesium	0.33	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Potassium	0.02	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sodium	3.90	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	6.02	0		meq/L	10/26/2004 1349 JG	SM 1030F
Anion Sum	5.83	0		meq/L	10/26/2004 1349 JG	SM 1030F
Cation-Anion Balance	1.59	0		%	10/26/2004 1349 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/21/2004 723 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1017 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1017 MS	EPA 200.8
Boron	0.06	0.01		mg/L	10/21/2004 723 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1017 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/21/2004 723 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1017 MS	EPA 200.8
Iron	0.34	0.05		mg/L	10/21/2004 723 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1017 MS	EPA 200.8
Manganese	0.05	0.02		mg/L	10/21/2004 723 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1054 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1017 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/21/2004 723 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/22/2004 1017 MS	EPA 200.8
Uranium	0.202	0.0001		mg/L	10/22/2004 1017 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/22/2004 1017 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/21/2004 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-002
Client Sample ID 3L20-1
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	10/21/2004 925 JG	EPA 150.1
Electrical Conductivity	412	5		µmhos/cm	10/21/2004 925 JG	SM 2510B
Total Dissolved Solids (180)	260	10		mg/L	10/21/2004 1427 KA	SM 2540
Solids, Total Dissolved (Calc)	240	10		mg/L	10/26/2004 1349 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	96	5		mg/L	10/21/2004 925 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	67	1		mg/L	10/26/2004 1349 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1447 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/20/2004 1043 RM	EPA 353.2
Radium 226	21.4±3.2	0.2		pCi/L	10/25/2004 000 TWP	SM 7500 RA B
Silica as SiO2	9.7	0.1		mg/L	10/21/2004 731 MH	EPA 200.7
Sodium Adsorption Ratio	3.3	0.1			10/26/2004 1349 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	118	5		mg/L	10/21/2004 925 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 925 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 925 JG	SM 2320B
Chloride	5	1		mg/L	10/20/2004 1932 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 925 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1013 RM	EPA 353.2
Sulfate	89	1		mg/L	10/20/2004 1932 LK	EPA 300.0
Cations						
Calcium	23	1		mg/L	10/21/2004 731 MH	EPA 200.7
Magnesium	2	1		mg/L	10/21/2004 731 MH	EPA 200.7
Potassium	ND	1		mg/L	10/21/2004 731 MH	EPA 200.7
Sodium	62	1		mg/L	10/21/2004 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-002
Client Sample ID 3L20-1
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.92	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Chloride	0.13	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sulfate	1.85	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Calcium	1.14	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Magnesium	0.19	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Potassium	0.01	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sodium	2.68	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	4.04	0		meq/L	10/26/2004 1349 JG	SM 1030F
Anion Sum	3.91	0		meq/L	10/26/2004 1349 JG	SM 1030F
Cation-Anion Balance	1.68	0		%	10/26/2004 1349 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/21/2004 731 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1025 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1025 MS	EPA 200.8
Boron	0.06	0.01		mg/L	10/21/2004 731 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1025 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/21/2004 731 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1025 MS	EPA 200.8
Iron	ND	0.05		mg/L	10/21/2004 731 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1025 MS	EPA 200.8
Manganese	0.02	0.02		mg/L	10/21/2004 731 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1055 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1025 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/21/2004 731 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/22/2004 1025 MS	EPA 200.8
Uranium	0.0185	0.0001		mg/L	10/22/2004 1025 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/22/2004 1025 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/21/2004 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-003
Client Sample ID 3L16-1
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	10/21/2004 937 JG	EPA 150.1
Electrical Conductivity	546	5		µmhos/cm	10/21/2004 937 JG	SM 2510B
Total Dissolved Solids (180)	370	10		mg/L	10/21/2004 1430 KA	SM 2540
Solids, Total Dissolved (Calc)	330	10		mg/L	10/26/2004 1349 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	153	5		mg/L	10/21/2004 937 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	99	1		mg/L	10/26/2004 1349 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1448 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/20/2004 1044 RM	EPA 353.2
Radium 226	110.9±5.1	0.2		pCi/L	10/25/2004 000 TWP	SM 7500 RA B
Silica as SiO2	12.2	0.1		mg/L	10/21/2004 734 MH	EPA 200.7
Sodium Adsorption Ratio	3.7	0.1			10/26/2004 1349 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	186	5		mg/L	10/21/2004 937 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 937 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 937 JG	SM 2320B
Chloride	9	1		mg/L	10/20/2004 1946 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 937 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1014 RM	EPA 353.2
Sulfate	104	1		mg/L	10/20/2004 1946 LK	EPA 300.0
Cations						
Calcium	36	1		mg/L	10/25/2004 853 MH	EPA 200.7
Magnesium	3	1		mg/L	10/25/2004 853 MH	EPA 200.7
Potassium	ND	1		mg/L	10/25/2004 853 MH	EPA 200.7
Sodium	84	1		mg/L	10/21/2004 734 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-003
Client Sample ID 3L16-1
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.05	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Chloride	0.26	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sulfate	2.15	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Calcium	1.77	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Magnesium	0.21	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Potassium	0.01	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sodium	3.94	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	5.65	0		meq/L	10/26/2004 1349 JG	SM 1030F
Anion Sum	5.47	0		meq/L	10/26/2004 1349 JG	SM 1030F
Cation-Anion Balance	1.56	0		%	10/26/2004 1349 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/21/2004 734 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1028 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1028 MS	EPA 200.8
Boron	0.05	0.01		mg/L	10/21/2004 734 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1028 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/21/2004 734 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1028 MS	EPA 200.8
Iron	0.15	0.05		mg/L	10/21/2004 734 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1028 MS	EPA 200.8
Manganese	0.03	0.02		mg/L	10/21/2004 734 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1057 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1028 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/21/2004 734 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/22/2004 1028 MS	EPA 200.8
Uranium	0.264	0.0001		mg/L	10/22/2004 1028 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/22/2004 1028 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/21/2004 734 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-004
Client Sample ID 3Q22-1
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	10/21/2004 951 JG	EPA 150.1
Electrical Conductivity	709	5		µmhos/cm	10/21/2004 951 JG	SM 2510B
Total Dissolved Solids (180)	500	10		mg/L	10/21/2004 1433 KA	SM 2540
Solids, Total Dissolved (Calc)	440	10		mg/L	10/26/2004 1349 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	210	5		mg/L	10/21/2004 951 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	143	1		mg/L	10/26/2004 1349 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1449 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/20/2004 1045 RM	EPA 353.2
Radium 226	309±12	0.2		pCi/L	10/25/2004 000 TWP	SM 7500 RA B
Silica as SiO2	12.0	0.1		mg/L	10/21/2004 738 MH	EPA 200.7
Sodium Adsorption Ratio	3.9	0.1			10/26/2004 1349 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	256	5		mg/L	10/21/2004 951 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 951 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 951 JG	SM 2320B
Chloride	8	1		mg/L	10/20/2004 1959 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 951 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1015 RM	EPA 353.2
Sulfate	141	1		mg/L	10/20/2004 1959 LK	EPA 300.0
Cations						
Calcium	46	1		mg/L	10/21/2004 738 MH	EPA 200.7
Magnesium	7	1		mg/L	10/21/2004 738 MH	EPA 200.7
Potassium	1	1		mg/L	10/25/2004 857 MH	EPA 200.7
Sodium	113	1		mg/L	10/25/2004 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-004
Client Sample ID 3Q22-1
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.20	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Chloride	0.23	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sulfate	2.92	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Calcium	2.31	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Magnesium	0.55	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Potassium	0.03	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sodium	4.92	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	7.58	0		meq/L	10/26/2004 1349 JG	SM 1030F
Anion Sum	7.36	0		meq/L	10/26/2004 1349 JG	SM 1030F
Cation-Anion Balance	1.48	0		%	10/26/2004 1349 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/21/2004 738 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1031 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1031 MS	EPA 200.8
Boron	0.05	0.01		mg/L	10/21/2004 738 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1031 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/21/2004 738 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1031 MS	EPA 200.8
Iron	0.20	0.05		mg/L	10/21/2004 738 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1031 MS	EPA 200.8
Manganese	0.09	0.02		mg/L	10/21/2004 738 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1106 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1031 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/21/2004 738 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/22/2004 1031 MS	EPA 200.8
Uranium	0.228	0.0001		mg/L	10/22/2004 1031 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/22/2004 1031 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/21/2004 738 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-005
Client Sample ID 3D12-1
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	10/21/2004 1003 JG	EPA 150.1
Electrical Conductivity	819	5		µmhos/cm	10/21/2004 1003 JG	SM 2510B
Total Dissolved Solids (180)	610	10		mg/L	10/21/2004 1436 KA	SM 2540
Solids, Total Dissolved (Calc)	530	10		mg/L	10/26/2004 1349 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	154	5		mg/L	10/21/2004 1003 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	216	1		mg/L	10/26/2004 1349 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1450 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/20/2004 1046 RM	EPA 353.2
Radium 226	570±17	0.2		pCi/L	10/25/2004 000 TWP	SM 7500 RA B
Silica as SiO2	19.3	0.1		mg/L	10/21/2004 742 MH	EPA 200.7
Sodium Adsorption Ratio	3.0	0.1			10/26/2004 1349 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	188	5		mg/L	10/21/2004 1003 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 1003 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 1003 JG	SM 2320B
Chloride	4	1		mg/L	10/20/2004 2013 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 1003 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1016 RM	EPA 353.2
Sulfate	257	1		mg/L	10/20/2004 2013 LK	EPA 300.0
Cations						
Calcium	67	1		mg/L	10/25/2004 900 MH	EPA 200.7
Magnesium	12	1		mg/L	10/25/2004 900 MH	EPA 200.7
Potassium	2	1		mg/L	10/25/2004 900 MH	EPA 200.7
Sodium	101	1		mg/L	10/21/2004 742 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-005
Client Sample ID 3D12-1
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.07	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Chloride	0.10	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sulfate	5.34	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Calcium	3.36	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Magnesium	0.95	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Potassium	0.03	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sodium	4.54	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	8.75	0		meq/L	10/26/2004 1349 JG	SM 1030F
Anion Sum	8.53	0		meq/L	10/26/2004 1349 JG	SM 1030F
Cation-Anion Balance	1.29	0		%	10/26/2004 1349 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/21/2004 742 MH	EPA 200.7
Arsenic	0.021	0.005		mg/L	10/22/2004 1033 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1033 MS	EPA 200.8
Boron	0.04	0.01		mg/L	10/21/2004 742 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1033 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/21/2004 742 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1033 MS	EPA 200.8
Iron	1.59	0.05		mg/L	10/21/2004 742 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1033 MS	EPA 200.8
Manganese	0.18	0.02		mg/L	10/21/2004 742 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1111 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1033 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/21/2004 742 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/22/2004 1033 MS	EPA 200.8
Uranium	0.0488	0.0001		mg/L	10/22/2004 1033 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/22/2004 1033 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/21/2004 742 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-006
Client Sample ID 3V52-2
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.4	0.1		s.u.	10/21/2004 1017 JG	EPA 150.1
Electrical Conductivity	879	5		µmhos/cm	10/21/2004 1017 JG	SM 2510B
Total Dissolved Solids (180)	670	10		mg/L	10/21/2004 1439 KA	SM 2540
Solids, Total Dissolved (Calc)	600	10		mg/L	10/26/2004 1349 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	127	5		mg/L	10/21/2004 1017 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	240	1		mg/L	10/26/2004 1349 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1451 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/20/2004 1047 RM	EPA 353.2
Radium 226	268.8±8.1	0.2		pCi/L	10/25/2004 000 TWP	SM 7500 RA B
Silica as SiO2	26.4	0.1		mg/L	10/21/2004 745 MH	EPA 200.7
Sodium Adsorption Ratio	2.9	0.1			10/26/2004 1349 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	154	5		mg/L	10/21/2004 1017 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 1017 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 1017 JG	SM 2320B
Chloride	4	1		mg/L	10/25/2004 2123 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 1017 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1018 RM	EPA 353.2
Sulfate	326	1		mg/L	10/25/2004 2123 LK	EPA 300.0
Cations						
Calcium	84	1		mg/L	10/25/2004 904 MH	EPA 200.7
Magnesium	8	1		mg/L	10/25/2004 904 MH	EPA 200.7
Potassium	1	1		mg/L	10/25/2004 904 MH	EPA 200.7
Sodium	103	1		mg/L	10/21/2004 745 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-006
Client Sample ID 3V52-2
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.53	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Chloride	0.10	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sulfate	6.78	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Calcium	4.17	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Magnesium	0.62	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Potassium	0.02	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sodium	4.72	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	9.30	0		meq/L	10/26/2004 1349 JG	SM 1030F
Anion Sum	9.42	0		meq/L	10/26/2004 1349 JG	SM 1030F
Cation-Anion Balance	0.61	0		%	10/26/2004 1349 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/21/2004 745 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1036 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1036 MS	EPA 200.8
Boron	0.05	0.01		mg/L	10/21/2004 745 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1036 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/21/2004 745 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1036 MS	EPA 200.8
Iron	0.66	0.05		mg/L	10/21/2004 745 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1036 MS	EPA 200.8
Manganese	0.65	0.02		mg/L	10/21/2004 745 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1112 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1036 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/21/2004 745 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/22/2004 1036 MS	EPA 200.8
Uranium	0.0287	0.0001		mg/L	10/22/2004 1036 MS	EPA 200.8
Vanadium	0.03	0.02		mg/L	10/22/2004 1036 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/21/2004 745 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-007
Client Sample ID 3U45-1
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.5	0.1		s.u.	10/21/2004 1030 JG	EPA 150.1
Electrical Conductivity	611	5		µmhos/cm	10/21/2004 1030 JG	SM 2510B
Total Dissolved Solids (180)	450	10		mg/L	10/21/2004 1445 KA	SM 2540
Solids, Total Dissolved (Calc)	410	10		mg/L	10/26/2004 1349 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	149	5		mg/L	10/21/2004 1030 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	100	1		mg/L	10/26/2004 1349 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1452 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/20/2004 1048 RM	EPA 353.2
Radium 226	309.2±8.7	0.2		pCi/L	10/25/2004 000 TWP	SM 7500 RA B
Silica as SiO2	25.6	0.1		mg/L	10/21/2004 753 MH	EPA 200.7
Sodium Adsorption Ratio	4.5	0.1			10/26/2004 1349 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	182	5		mg/L	10/21/2004 1030 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 1030 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 1030 JG	SM 2320B
Chloride	5	1		mg/L	10/20/2004 2040 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 1030 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1025 RM	EPA 353.2
Sulfate	175	1		mg/L	10/25/2004 2137 LK	EPA 300.0
Cations						
Calcium	33	1		mg/L	10/21/2004 753 MH	EPA 200.7
Magnesium	4	1		mg/L	10/25/2004 908 MH	EPA 200.7
Potassium	1	1		mg/L	10/21/2004 753 MH	EPA 200.7
Sodium	104	1		mg/L	10/25/2004 908 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-007
Client Sample ID 3U45-1
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.97	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Chloride	0.14	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sulfate	3.64	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Calcium	1.64	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Magnesium	0.34	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Potassium	0.02	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sodium	4.51	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	6.54	0		meq/L	10/26/2004 1349 JG	SM 1030F
Anion Sum	6.75	0		meq/L	10/26/2004 1349 JG	SM 1030F
Cation-Anion Balance	1.57	0		%	10/26/2004 1349 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/21/2004 753 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1038 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1038 MS	EPA 200.8
Boron	0.05	0.01		mg/L	10/21/2004 753 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1038 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/21/2004 753 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1038 MS	EPA 200.8
Iron	0.26	0.05		mg/L	10/21/2004 753 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1038 MS	EPA 200.8
Manganese	0.19	0.02		mg/L	10/21/2004 753 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1114 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1038 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/21/2004 753 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/22/2004 1038 MS	EPA 200.8
Uranium	0.0471	0.0001		mg/L	10/22/2004 1038 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/22/2004 1038 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/21/2004 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-008
Client Sample ID 3W67-1
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.5	0.1		s.u.	10/21/2004 1044 JG	EPA 150.1
Electrical Conductivity	1150	5		µmhos/cm	10/21/2004 1044 JG	SM 2510B
Total Dissolved Solids (180)	810	10		mg/L	10/21/2004 1448 KA	SM 2540
Solids, Total Dissolved (Calc)	730	10		mg/L	10/26/2004 1349 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	353	5		mg/L	10/21/2004 1044 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	202	1		mg/L	10/26/2004 1349 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1453 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/20/2004 1049 RM	EPA 353.2
Radium 226	283.4±8.2	0.2		pCi/L	10/25/2004 000 TWP	SM 7500 RA B
Silica as SiO2	21.0	0.1		mg/L	10/21/2004 808 MH	EPA 200.7
Sodium Adsorption Ratio	5.9	0.1			10/26/2004 1349 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	431	5		mg/L	10/21/2004 1044 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 1044 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 1044 JG	SM 2320B
Chloride	18	1		mg/L	10/20/2004 2203 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 1044 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1026 RM	EPA 353.2
Sulfate	228	1		mg/L	10/20/2004 2203 LK	EPA 300.0
Cations						
Calcium	58	1		mg/L	10/21/2004 808 MH	EPA 200.7
Magnesium	14	1		mg/L	10/21/2004 808 MH	EPA 200.7
Potassium	3	1		mg/L	10/21/2004 808 MH	EPA 200.7
Sodium	194	1		mg/L	10/21/2004 808 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-008
Client Sample ID 3W67-1
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	7.06	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Chloride	0.49	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sulfate	4.74	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Calcium	2.90	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Magnesium	1.12	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Potassium	0.08	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sodium	8.43	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	12.54	0		meq/L	10/26/2004 1349 JG	SM 1030F
Anion Sum	12.30	0		meq/L	10/26/2004 1349 JG	SM 1030F
Cation-Anion Balance	1.00	0		%	10/26/2004 1349 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/21/2004 808 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1041 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1041 MS	EPA 200.8
Boron	0.05	0.01		mg/L	10/21/2004 808 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1041 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/21/2004 808 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1041 MS	EPA 200.8
Iron	1.32	0.05		mg/L	10/21/2004 808 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1041 MS	EPA 200.8
Manganese	0.31	0.02		mg/L	10/21/2004 808 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1116 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1041 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/21/2004 808 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/22/2004 1041 MS	EPA 200.8
Uranium	0.210	0.0001		mg/L	10/22/2004 1041 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/22/2004 1041 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/21/2004 808 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-009
Client Sample ID 3N25-1
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	10/21/2004 1056 JG	EPA 150.1
Electrical Conductivity	398	5		µmhos/cm	10/21/2004 1056 JG	SM 2510B
Total Dissolved Solids (180)	270	10		mg/L	10/21/2004 1451 KA	SM 2540
Solids, Total Dissolved (Calc)	230	10		mg/L	10/26/2004 1349 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	90	5		mg/L	10/21/2004 1056 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	35	1		mg/L	10/26/2004 1349 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1454 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/20/2004 1050 RM	EPA 353.2
Radium 226	147.2±8.4	0.2		pCi/L	10/25/2004 000 TWP	SM 7500 RA B
Silica as SiO2	14.1	0.1		mg/L	10/21/2004 812 MH	EPA 200.7
Sodium Adsorption Ratio	5.2	0.1			10/26/2004 1349 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	110	5		mg/L	10/21/2004 1056 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 1056 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 1056 JG	SM 2320B
Chloride	5	1		mg/L	10/20/2004 2216 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 1056 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1027 RM	EPA 353.2
Sulfate	91	1		mg/L	10/20/2004 2216 LK	EPA 300.0
Cations						
Calcium	11	1		mg/L	10/21/2004 812 MH	EPA 200.7
Magnesium	2	1		mg/L	10/21/2004 812 MH	EPA 200.7
Potassium	ND	1		mg/L	10/21/2004 812 MH	EPA 200.7
Sodium	71	1		mg/L	10/21/2004 812 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-009
Client Sample ID 3N25-1
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.80	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Chloride	0.13	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sulfate	1.88	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Calcium	0.52	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Magnesium	0.18	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Potassium	0.02	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sodium	3.07	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	3.80	0		meq/L	10/26/2004 1349 JG	SM 1030F
Anion Sum	3.83	0		meq/L	10/26/2004 1349 JG	SM 1030F
Cation-Anion Balance	0.28	0		%	10/26/2004 1349 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/21/2004 812 MH	EPA 200.7
Arsenic	0.008	0.005		mg/L	10/22/2004 1044 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1044 MS	EPA 200.8
Boron	0.05	0.01		mg/L	10/21/2004 812 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1044 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/21/2004 812 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1044 MS	EPA 200.8
Iron	0.39	0.05		mg/L	10/21/2004 812 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1044 MS	EPA 200.8
Manganese	0.04	0.02		mg/L	10/21/2004 812 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1118 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1044 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/21/2004 812 MH	EPA 200.7
Selenium	0.006	0.005		mg/L	10/22/2004 1044 MS	EPA 200.8
Uranium	0.0296	0.0001		mg/L	10/22/2004 1044 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/22/2004 1044 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/21/2004 812 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-010
Client Sample ID 3T37-1
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	10/21/2004 1108 JG	EPA 150.1
Electrical Conductivity	595	5		µmhos/cm	10/21/2004 1108 JG	SM 2510B
Total Dissolved Solids (180)	420	10		mg/L	10/21/2004 1454 KA	SM 2540
Solids, Total Dissolved (Calc)	400	10		mg/L	10/26/2004 1349 JG	SM 1030F
Acidity, Total (As CaCO3)	ND	1		mg/L	10/20/2004 000 JG	SM 2310B
Alkalinity, Total (As CaCO3)	104	5		mg/L	10/21/2004 1108 JG	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	106	1		mg/L	10/26/2004 1349 JG	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	10/22/2004 1455 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	10/20/2004 1051 RM	EPA 353.2
Radium 226	229±11	0.2		pCi/L	10/25/2004 000 TWP	SM 7500 RA B
Silica as SIO2	14.6	0.1		mg/L	10/21/2004 815 MH	EPA 200.7
Sodium Adsorption Ratio	4.0	0.1			10/26/2004 1349 JG	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	127	5		mg/L	10/21/2004 1108 JG	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	10/21/2004 1108 JG	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	10/21/2004 1108 JG	SM 2320B
Chloride	5	1		mg/L	10/25/2004 2151 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	10/21/2004 1108 JG	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	10/22/2004 1028 RM	EPA 353.2
Sulfate	200	1		mg/L	10/25/2004 2151 LK	EPA 300.0
Cations						
Calcium	37	1		mg/L	10/21/2004 815 MH	EPA 200.7
Magnesium	4	1		mg/L	10/25/2004 923 MH	EPA 200.7
Potassium	1	1		mg/L	10/21/2004 815 MH	EPA 200.7
Sodium	94	1		mg/L	10/25/2004 923 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: 10/29/2004
Report ID: S0410215001

Project: Cogema Christensen Mine
Lab ID: S0410215-010
Client Sample ID 3T37-1
Matrix: Water

Work Order: S0410215
Collection Date: 10/19/2004
Date Received: 10/19/2004 4:45:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.08	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Chloride	0.13	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Fluoride	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sulfate	4.16	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Calcium	1.79	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Magnesium	0.28	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Potassium	0.02	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Sodium	4.08	0.01		meq/L	10/26/2004 1349 JG	SM 1030F
Cation / Anion Balance						
Cation Sum	6.23	0		meq/L	10/26/2004 1349 JG	SM 1030F
Anion Sum	6.36	0		meq/L	10/26/2004 1349 JG	SM 1030F
Cation-Anion Balance	1.02	0		%	10/26/2004 1349 JG	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	10/21/2004 815 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	10/22/2004 1046 MS	EPA 200.8
Barium	ND	0.5		mg/L	10/22/2004 1046 MS	EPA 200.8
Boron	0.05	0.01		mg/L	10/21/2004 815 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	10/22/2004 1046 MS	EPA 200.8
Chromium	ND	0.01		mg/L	10/21/2004 815 MH	EPA 200.7
Copper	ND	0.01		mg/L	10/22/2004 1046 MS	EPA 200.8
Iron	0.26	0.05		mg/L	10/21/2004 815 MH	EPA 200.7
Lead	ND	0.02		mg/L	10/22/2004 1046 MS	EPA 200.8
Manganese	0.10	0.02		mg/L	10/21/2004 815 MH	EPA 200.7
Mercury	ND	0.001		mg/L	10/26/2004 1124 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	10/22/2004 1046 MS	EPA 200.8
Nickel	ND	0.01		mg/L	10/21/2004 815 MH	EPA 200.7
Selenium	ND	0.005		mg/L	10/22/2004 1046 MS	EPA 200.8
Uranium	0.0071	0.0001		mg/L	10/22/2004 1046 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	10/22/2004 1046 MS	EPA 200.8
Zinc	ND	0.01		mg/L	10/21/2004 815 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 1-26-05 Received by DW6 Date 1/28/05

Restoration Sample Description
Location: ___ Irigaray X Christensen Mine or Production Unit 3 Module # (if applicable) ____

Restoration Phase: ___ Groundwater Sweep (explain ____)
___ Reverse Osmosis Filtration (explain ____)
___ Recirculation (explain ____)
X Stabilization (explain Round 2 of wash)

*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 Fil.	HNO3	H2SO4	Comments
1	3V58-1	1-26-05	Half Gal.	X		X		
			Quart	X				
			8 ozs.		X			
			8 ozs.	X			X	
2	3T57-1		**	**	**	**	**	
3	3W25-1		**	**	**	**	**	
4	4E6-1		**	**	**	**	**	
5	3A69-1		**	**	**	**	**	
6	3W67-1		**	**	**	**	**	
7	[illegible]		**	**	**	**	**	
8	[illegible]		**	**	**	**	**	
9	[illegible]		**	**	**	**	**	
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: 2/15/2005
Report ID: S0501206001

Project: Cogema Christensen Mine
Lab ID: S0501206-001
Client Sample ID 3V58-2
Matrix: Water

Work Order: S0501206
Collection Date: 1/26/2005
Date Received: 1/26/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	01/27/2005 1615 KA	EPA 150.1
Electrical Conductivity	820	5		µmhos/cm	01/27/2005 1615 KA	SM 2510B
Total Dissolved Solids (180)	690	10		mg/L	01/27/2005 1031 TG	SM 2540
Solids, Total Dissolved (Calc)	520	10		mg/L	02/08/2005 907 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	02/08/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	236	5		mg/L	01/27/2005 1615 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	126	1		mg/L	02/08/2005 907 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/31/2005 1259 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/28/2005 919 RM	EPA 353.2
Radium 226	83.9±4.9	0.2		pCi/L	01/31/2005 1445 TWP	SM 7500 RA B
Silica as SiO2	11.9	0.1		mg/L	02/02/2005 835 MH	EPA 200.7
Sodium Adsorption Ratio	5.6	0.1			02/08/2005 907 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	288	5		mg/L	01/27/2005 1615 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/27/2005 1615 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/27/2005 1615 KA	SM 2320B
Chloride	11	1		mg/L	01/27/2005 2213 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/27/2005 1615 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/27/2005 1513 RM	EPA 353.2
Sulfate	173	1		mg/L	01/27/2005 2213 LK	EPA 300.0
Cations						
Calcium	39	1		mg/L	02/02/2005 835 MH	EPA 200.7
Magnesium	7	1		mg/L	02/02/2005 835 MH	EPA 200.7
Potassium	2	1		mg/L	02/02/2005 835 MH	EPA 200.7
Sodium	143	1		mg/L	02/02/2005 835 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: Karen Bartlett for
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: 2/15/2005
Report ID: S0501206001

Project: Cogema Christensen Mine
Lab ID: S0501206-001
Client Sample ID 3V58-2
Matrix: Water

Work Order: S0501206
Collection Date: 1/26/2005
Date Received: 1/26/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.72	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Chloride	0.30	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Fluoride	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Sulfate	3.60	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Calcium	1.92	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Magnesium	0.60	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Potassium	0.05	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Sodium	6.24	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	8.82	0		meq/L	02/08/2005 907 KA	SM 1030F
Anion Sum	8.63	0		meq/L	02/08/2005 907 KA	SM 1030F
Cation-Anion Balance	1.06	0		%	02/08/2005 907 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	02/02/2005 835 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/27/2005 1257 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/27/2005 1257 MS	EPA 200.8
Boron	0.07	0.03		mg/L	02/02/2005 835 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/27/2005 1257 MS	EPA 200.8
Chromium	ND	0.01		mg/L	02/02/2005 835 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/27/2005 1257 MS	EPA 200.8
Iron	0.63	0.05		mg/L	02/02/2005 835 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/27/2005 1257 MS	EPA 200.8
Manganese	0.18	0.02		mg/L	02/02/2005 835 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/28/2005 1148 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/27/2005 1257 MS	EPA 200.8
Nickel	ND	0.01		mg/L	02/02/2005 835 MH	EPA 200.7
Selenium	0.209	0.005		mg/L	01/27/2005 1257 MS	EPA 200.8
Uranium	0.297	0.0001		mg/L	01/27/2005 1257 MS	EPA 200.8
Vanadium	0.06	0.02		mg/L	01/27/2005 1257 MS	EPA 200.8
Zinc	ND	0.01		mg/L	02/02/2005 835 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: Karen Bauer for
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: 2/15/2005
Report ID: S0501206001

Project: Cogema Christensen Mine
Lab ID: S0501206-002
Client Sample ID 3T37-1
Matrix: Water

Work Order: S0501206
Collection Date: 1/26/2005
Date Received: 1/26/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	01/27/2005 1627 KA	EPA 150.1
Electrical Conductivity	679	5		µmhos/cm	01/27/2005 1627 KA	SM 2510B
Total Dissolved Solids (180)	550	10		mg/L	01/27/2005 1036 TG	SM 2540
Solids, Total Dissolved (Calc)	430	10		mg/L	02/08/2005 907 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	02/08/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	104	5		mg/L	01/27/2005 1627 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	130	1		mg/L	02/08/2005 907 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/31/2005 1300 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/28/2005 920 RM	EPA 353.2
Radium 226	190.0±7.3	0.2		pCi/L	01/31/2005 1445 TWP	SM 7500 RA B
Silica as SiO2	13.1	0.1		mg/L	02/02/2005 843 MH	EPA 200.7
Sodium Adsorption Ratio	3.8	0.1			02/08/2005 907 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	126	5		mg/L	01/27/2005 1627 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/27/2005 1627 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/27/2005 1627 KA	SM 2320B
Chloride	4	1		mg/L	01/27/2005 2225 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/27/2005 1627 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/27/2005 1514 RM	EPA 353.2
Sulfate	216	1		mg/L	01/27/2005 2225 LK	EPA 300.0
Cations						
Calcium	44	1		mg/L	02/07/2005 813 MH	EPA 200.7
Magnesium	5	1		mg/L	02/02/2005 843 MH	EPA 200.7
Potassium	1	1		mg/L	02/07/2005 813 MH	EPA 200.7
Sodium	99	1		mg/L	02/07/2005 813 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: Karen Basden for
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: 2/15/2005
Report ID: S0501206001

Project: Cogema Christensen Mine
Lab ID: S0501206-002
Client Sample ID 3T37-1
Matrix: Water

Work Order: S0501206
Collection Date: 1/26/2005
Date Received: 1/26/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.07	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Chloride	0.10	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Fluoride	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Sulfate	4.50	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Calcium	2.21	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Magnesium	0.39	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Potassium	0.02	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Sodium	4.30	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	6.92	0		meq/L	02/08/2005 907 KA	SM 1030F
Anion Sum	6.67	0		meq/L	02/08/2005 907 KA	SM 1030F
Cation-Anion Balance	1.80	0		%	02/08/2005 907 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	02/02/2005 843 MH	EPA 200.7
Arsenic	0.006	0.005		mg/L	01/27/2005 1300 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/27/2005 1300 MS	EPA 200.8
Boron	0.06	0.03		mg/L	02/02/2005 843 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/27/2005 1300 MS	EPA 200.8
Chromium	ND	0.01		mg/L	02/02/2005 843 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/27/2005 1300 MS	EPA 200.8
Iron	0.45	0.05		mg/L	02/02/2005 843 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/27/2005 1300 MS	EPA 200.8
Manganese	0.16	0.02		mg/L	02/02/2005 843 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/28/2005 1150 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/27/2005 1300 MS	EPA 200.8
Nickel	ND	0.01		mg/L	02/02/2005 843 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/27/2005 1300 MS	EPA 200.8
Uranium	0.0073	0.0001		mg/L	01/27/2005 1300 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/27/2005 1300 MS	EPA 200.8
Zinc	ND	0.01		mg/L	02/02/2005 843 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: Karen Bauch for
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: 2/15/2005
Report ID: S0501206001

Project: Cogema Christensen Mine
Lab ID: S0501206-003
Client Sample ID 3W75-1
Matrix: Water

Work Order: S0501206
Collection Date: 1/26/2005
Date Received: 1/26/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	01/27/2005 1640 KA	EPA 150.1
Electrical Conductivity	442	5		µmhos/cm	01/27/2005 1640 KA	SM 2510B
Total Dissolved Solids (180)	420	10		mg/L	01/27/2005 1041 TG	SM 2540
Solids, Total Dissolved (Calc)	270	10		mg/L	02/08/2005 907 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	02/08/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	101	5		mg/L	01/27/2005 1640 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	96	1		mg/L	02/08/2005 907 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/31/2005 1301 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/28/2005 921 RM	EPA 353.2
Radium 226	194.3±7.7	0.2		pCi/L	01/31/2005 1445 TWP	SM 7500 RA B
Silica as SiO2	15.6	0.1		mg/L	02/02/2005 847 MH	EPA 200.7
Sodium Adsorption Ratio	2.6	0.1			02/08/2005 907 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	123	5		mg/L	01/27/2005 1640 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/27/2005 1640 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/27/2005 1640 KA	SM 2320B
Chloride	3	1		mg/L	01/27/2005 2238 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/27/2005 1640 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/27/2005 1515 RM	EPA 353.2
Sulfate	110	1		mg/L	01/27/2005 2238 LK	EPA 300.0
Cations						
Calcium	36	1		mg/L	02/07/2005 817 MH	EPA 200.7
Magnesium	2	1		mg/L	02/07/2005 817 MH	EPA 200.7
Potassium	ND	1		mg/L	02/07/2005 817 MH	EPA 200.7
Sodium	59	1		mg/L	02/07/2005 817 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: Karen Nauch for
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: 2/15/2005
Report ID: S0501206001

Project: Cogema Christensen Mine
Lab ID: S0501206-003
Client Sample ID 3W75-1
Matrix: Water

Work Order: S0501206
Collection Date: 1/26/2005
Date Received: 1/26/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.01	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Chloride	0.09	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Fluoride	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Sulfate	2.28	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Calcium	1.79	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Magnesium	0.12	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Potassium	0.01	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Sodium	2.55	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	4.49	0		meq/L	02/08/2005 907 KA	SM 1030F
Anion Sum	4.39	0		meq/L	02/08/2005 907 KA	SM 1030F
Cation-Anion Balance	1.05	0		%	02/08/2005 907 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	02/02/2005 847 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/27/2005 1303 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/27/2005 1303 MS	EPA 200.8
Boron	0.06	0.03		mg/L	02/02/2005 847 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/27/2005 1303 MS	EPA 200.8
Chromium	ND	0.01		mg/L	02/02/2005 847 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/27/2005 1303 MS	EPA 200.8
Iron	0.22	0.05		mg/L	02/02/2005 847 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/27/2005 1303 MS	EPA 200.8
Manganese	0.04	0.02		mg/L	02/02/2005 847 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/28/2005 1155 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/27/2005 1303 MS	EPA 200.8
Nickel	ND	0.01		mg/L	02/02/2005 847 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/27/2005 1303 MS	EPA 200.8
Uranium	0.0330	0.0001		mg/L	01/27/2005 1303 MS	EPA 200.8
Vanadium	0.02	0.02		mg/L	01/27/2005 1303 MS	EPA 200.8
Zinc	ND	0.01		mg/L	02/02/2005 847 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: Karen Black for
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: 2/15/2005
Report ID: S0501206001

Project: Cogema Christensen Mine
Lab ID: S0501206-004
Client Sample ID 4E6-1
Matrix: Water

Work Order: S0501206
Collection Date: 1/26/2005
Date Received: 1/26/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.3	0.1		s.u.	01/27/2005 1653 KA	EPA 150.1
Electrical Conductivity	1680	5		µmhos/cm	01/27/2005 1653 KA	SM 2510B
Total Dissolved Solids (180)	1290	10		mg/L	01/27/2005 1046 TG	SM 2540
Solids, Total Dissolved (Calc)	1100	10		mg/L	02/08/2005 907 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	02/08/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	559	5		mg/L	01/27/2005 1653 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	159	1		mg/L	02/08/2005 907 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.1	0.1		mg/L	01/31/2005 1302 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/28/2005 922 RM	EPA 353.2
Radium 226	184.7±7.4	0.2		pCi/L	01/31/2005 1445 TWP	SM 7500 RA B
Silica as SiO2	17.2	0.1		mg/L	02/02/2005 851 MH	EPA 200.7
Sodium Adsorption Ratio	12.9	0.1			02/08/2005 907 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	682	5		mg/L	01/27/2005 1653 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/27/2005 1653 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/27/2005 1653 KA	SM 2320B
Chloride	52	1		mg/L	01/27/2005 2251 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/27/2005 1653 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/27/2005 1516 RM	EPA 353.2
Sulfate	277	1		mg/L	01/27/2005 2251 LK	EPA 300.0
Cations						
Calcium	48	1		mg/L	02/02/2005 851 MH	EPA 200.7
Magnesium	9	1		mg/L	02/02/2005 851 MH	EPA 200.7
Potassium	6	1		mg/L	02/02/2005 851 MH	EPA 200.7
Sodium	374	1		mg/L	02/02/2005 851 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: Karen Black for
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: 2/15/2005
Report ID: S0501206001

Project: Cogema Christensen Mine
Lab ID: S0501206-004
Client Sample ID 4E6-1
Matrix: Water

Work Order: S0501206
Collection Date: 1/26/2005
Date Received: 1/26/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	11.17	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Chloride	1.46	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Fluoride	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Sulfate	5.75	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Calcium	2.40	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Magnesium	0.77	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Potassium	0.14	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Sodium	16.27	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	19.59	0		meq/L	02/08/2005 907 KA	SM 1030F
Anion Sum	18.41	0		meq/L	02/08/2005 907 KA	SM 1030F
Cation-Anion Balance	3.11	0		%	02/08/2005 907 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	02/02/2005 851 MH	EPA 200.7
Arsenic	0.005	0.005		mg/L	01/27/2005 1305 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/27/2005 1305 MS	EPA 200.8
Boron	0.08	0.03		mg/L	02/02/2005 851 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/27/2005 1305 MS	EPA 200.8
Chromium	ND	0.01		mg/L	02/02/2005 851 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/27/2005 1305 MS	EPA 200.8
Iron	ND	0.05		mg/L	02/02/2005 851 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/27/2005 1305 MS	EPA 200.8
Manganese	ND	0.02		mg/L	02/02/2005 851 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/28/2005 1157 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/27/2005 1305 MS	EPA 200.8
Nickel	ND	0.01		mg/L	02/02/2005 851 MH	EPA 200.7
Selenium	0.096	0.005		mg/L	01/27/2005 1305 MS	EPA 200.8
Uranium	5.63	0.0001		mg/L	01/27/2005 1305 MS	EPA 200.8
Vanadium	0.41	0.02		mg/L	01/27/2005 1305 MS	EPA 200.8
Zinc	ND	0.01		mg/L	02/02/2005 851 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: Karen Nauck for
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: 2/15/2005
Report ID: S0501206001

Project: Cogema Christensen Mine
Lab ID: S0501206-005
Client Sample ID 3AC82-1
Matrix: Water

Work Order: S0501206
Collection Date: 1/26/2005
Date Received: 1/26/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	01/27/2005 1705 KA	EPA 150.1
Electrical Conductivity	721	5		µmhos/cm	01/27/2005 1705 KA	SM 2510B
Total Dissolved Solids (180)	590	10		mg/L	01/27/2005 1051 TG	SM 2540
Solids, Total Dissolved (Calc)	450	10		mg/L	02/08/2005 907 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	02/08/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	145	5		mg/L	01/27/2005 1705 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	102	1		mg/L	02/08/2005 907 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.2	0.1		mg/L	01/31/2005 1303 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/28/2005 923 RM	EPA 353.2
Radium 226	606±14	0.2		pCi/L	01/31/2005 1445 TWP	SM 7500 RA B
Silica as SIO2	11.9	0.1		mg/L	02/02/2005 854 MH	EPA 200.7
Sodium Adsorption Ratio	5.1	0.1			02/08/2005 907 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	177	5		mg/L	01/27/2005 1705 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/27/2005 1705 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/27/2005 1705 KA	SM 2320B
Chloride	6	1		mg/L	01/27/2005 2304 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/27/2005 1705 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/27/2005 1517 RM	EPA 353.2
Sulfate	197	1		mg/L	01/27/2005 2304 LK	EPA 300.0
Cations						
Calcium	32	1		mg/L	02/07/2005 821 MH	EPA 200.7
Magnesium	6	1		mg/L	02/07/2005 821 MH	EPA 200.7
Potassium	2	1		mg/L	02/07/2005 821 MH	EPA 200.7
Sodium	119	1		mg/L	02/07/2005 821 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: Karen Nieuwsma for
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: 2/15/2005
Report ID: S0501206001

Project: Cogema Christensen Mine
Lab ID: S0501206-005
Client Sample ID 3AC82-1
Matrix: Water

Work Order: S0501206
Collection Date: 1/26/2005
Date Received: 1/26/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.89	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Chloride	0.16	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Fluoride	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Sulfate	4.09	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Calcium	1.57	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Magnesium	0.46	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Potassium	0.04	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Sodium	5.19	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	7.28	0		meq/L	02/08/2005 907 KA	SM 1030F
Anion Sum	7.16	0		meq/L	02/08/2005 907 KA	SM 1030F
Cation-Anion Balance	0.83	0		%	02/08/2005 907 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	02/02/2005 854 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/27/2005 1308 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/27/2005 1308 MS	EPA 200.8
Boron	0.06	0.03		mg/L	02/02/2005 854 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/27/2005 1308 MS	EPA 200.8
Chromium	ND	0.01		mg/L	02/02/2005 854 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/27/2005 1308 MS	EPA 200.8
Iron	0.96	0.05		mg/L	02/02/2005 854 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/27/2005 1308 MS	EPA 200.8
Manganese	0.16	0.02		mg/L	02/02/2005 854 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/28/2005 1159 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/27/2005 1308 MS	EPA 200.8
Nickel	ND	0.01		mg/L	02/02/2005 854 MH	EPA 200.7
Selenium	0.006	0.005		mg/L	01/27/2005 1308 MS	EPA 200.8
Uranium	0.0578	0.0001		mg/L	01/27/2005 1308 MS	EPA 200.8
Vanadium	0.02	0.02		mg/L	01/27/2005 1308 MS	EPA 200.8
Zinc	ND	0.01		mg/L	02/02/2005 854 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: Karen Bauer for
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: 2/15/2005
Report ID: S0501206001

Project: Cogema Christensen Mine
Lab ID: S0501206-006
Client Sample ID 3W67-1
Matrix: Water

Work Order: S0501206
Collection Date: 1/26/2005
Date Received: 1/26/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	01/27/2005 1718 KA	EPA 150.1
Electrical Conductivity	1240	5		µmhos/cm	01/27/2005 1718 KA	SM 2510B
Total Dissolved Solids (180)	940	10		mg/L	01/27/2005 1056 TG	SM 2540
Solids, Total Dissolved (Calc)	810	10		mg/L	02/08/2005 907 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	02/08/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	360	5		mg/L	01/27/2005 1718 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	239	1		mg/L	02/08/2005 907 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.2	0.1		mg/L	01/31/2005 1304 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/28/2005 924 RM	EPA 353.2
Radium 226	240.9±8.1	0.2		pCi/L	01/31/2005 1445 TWP	SM 7500 RA B
Silica as SiO2	21.2	0.1		mg/L	02/02/2005 914 MH	EPA 200.7
Sodium Adsorption Ratio	5.8	0.1			02/08/2005 907 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	440	5		mg/L	01/27/2005 1718 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/27/2005 1718 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/27/2005 1718 KA	SM 2320B
Chloride	16	1		mg/L	01/27/2005 2316 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/27/2005 1718 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	0.52	0.05		mg/L	01/27/2005 1523 RM	EPA 353.2
Sulfate	280	1		mg/L	01/27/2005 2316 LK	EPA 300.0
Cations						
Calcium	69	1		mg/L	02/02/2005 914 MH	EPA 200.7
Magnesium	16	1		mg/L	02/02/2005 914 MH	EPA 200.7
Potassium	4	1		mg/L	02/02/2005 914 MH	EPA 200.7
Sodium	207	1		mg/L	02/02/2005 914 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: Karen A Bauch for
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: 2/15/2005
Report ID: S0501206001

Project: Cogema Christensen Mine
Lab ID: S0501206-006
Client Sample ID 3W67-1
Matrix: Water

Work Order: S0501206
Collection Date: 1/26/2005
Date Received: 1/26/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	7.20	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Chloride	0.44	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Fluoride	ND	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Nitrate + Nitrite as N	0.03	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Sulfate	5.81	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Calcium	3.45	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Magnesium	1.33	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Potassium	0.08	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Sodium	9.00	0.01		meq/L	02/08/2005 907 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	13.87	0		meq/L	02/08/2005 907 KA	SM 1030F
Anion Sum	13.50	0		meq/L	02/08/2005 907 KA	SM 1030F
Cation-Anion Balance	1.35	0		%	02/08/2005 907 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	02/02/2005 914 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/27/2005 1311 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/27/2005 1311 MS	EPA 200.8
Boron	0.08	0.03		mg/L	02/02/2005 914 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/27/2005 1311 MS	EPA 200.8
Chromium	ND	0.01		mg/L	02/02/2005 914 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/27/2005 1311 MS	EPA 200.8
Iron	1.18	0.05		mg/L	02/02/2005 914 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/27/2005 1311 MS	EPA 200.8
Manganese	0.34	0.02		mg/L	02/02/2005 914 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/28/2005 1201 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/27/2005 1311 MS	EPA 200.8
Nickel	0.01	0.01		mg/L	02/02/2005 914 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/27/2005 1311 MS	EPA 200.8
Uranium	0.155	0.0001		mg/L	01/27/2005 1311 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/27/2005 1311 MS	EPA 200.8
Zinc	ND	0.01		mg/L	02/02/2005 914 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: Karen A Saul for
Wade Nieuwsma, Project Manager

Inter-Mountain Laboratories

Work Order Summary

Client:	Cogema Mining Inc.	Work Order:	S0501206
Project:	Cogema Christensen Mine	Received:	1/26/05
Comments:	E-mail Donna	Due:	2/15/05

Tests/Analytes

Acidity - Water
Acidity, Total (As CaCO3)

Alkalinity
Alkalinity, Bicarbonate as HCO3, Alkalinity, Carbonate as CO3, Alkalinity, Hydroxide as OH, Alkalinity, Total (As CaCO3)

Anions
Bicarbonate as HCO3, Carbonate as CO3, Chloride, Fluoride, Hydroxide as OH, Nitrate + Nitrite as N, Sulfate

Anions by ION Chromatography
Chloride, Sulfate

Calculated TDS
Solids, Total Dissolved (Calc)

Cation-Anion Balance
Anion Sum, Cation Sum, Cation-Anion Balance

3985

Cations
Calcium, Magnesium, Potassium, Sodium

Cations by ICP (Method 200.7)
Calcium, Magnesium, Potassium, Sodium

Conductivity
Electrical Conductivity

Dissolved Mercury by EPA 245.1 - Water
Mercury

Dissolved Metals by ICP - EPA 200.7 - Water
Aluminum, Boron, Chromium, Iron, Manganese, Nickel, Zinc

Dissolved Metals by ICPMS EPA 200.8 - Water
Arsenic, Barium, Cadmium, Copper, Lead, Molybdenum, Selenium, Uranium, Vanadium

Fluoride by SM 4500
Fluoride

HARDNESS
Hardness, Calcium/Magnesium (As CaCO3)

Nitrogen, Ammonia (as N)
Nitrogen, Ammonia (As N)

Nitrogen, Nitrate-Nitrite (as N)
Nitrogen, Nitrate-Nitrite (as N), Nitrogen, Nitrite (as N)

pH-Water
pH

Radium 226 by SM 7500
Radium 226

Silica as SiO2
Silica as SiO2

Sodium Adsorption Ratio - Water
Sodium Adsorption Ratio

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

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

Samples shipped to Inter-mountain lab sheridan,wy.

Submitted by _____ Date 1-25-05 Received by _____ Date 1/25/05@ 1630

Restoration Sample Description
Location: ___ Irigaray _X_ Christensen Mine or Production Unit 3 Module # (if applicale) _____

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

*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)				Lab id	Comments
				Filtered	Not Filt.	HNO3	H2SO4		
1	3L16-1	1-25-05	Half Gal.	X		X		01199-001	
			Quart	X				"	
			8 ozs.		X			"	
			8 ozs.	X			X	"	
			**	**	**	**	**	002	
2	3L45-1		**	**	**	**	**	003	
3	3037-2		**	**	**	**	**	004	
4	3J26-1		**	**	**	**	**	005	
5	3287-1		**	**	**	**	**		
6			**	**	**	**	**		
7			**	**	**	**	**		
8			**	**	**	**	**		
9			**	**	**	**	**		
10			**	**	**	**	**		
11			**	**	**	**	**		
12			**	**	**	**	**		
13			**	**	**	**	**		
14			**	**	**	**	**		
15			**	**	**	**	**		

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

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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: 2/15/2005
Report ID: S0501199001

Project: Cogema Christensen Mine
Lab ID: S0501199-001
Client Sample ID 3L16-1
Matrix: Water

Work Order: S0501199
Collection Date: 1/25/2005
Date Received: 1/25/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.9	0.1		s.u.	01/27/2005 1236 KA	EPA 150.1
Electrical Conductivity	464	5		µmhos/cm	01/27/2005 1236 KA	SM 2510B
Total Dissolved Solids (180)	400	10		mg/L	01/28/2005 1111 TG	SM 2540
Solids, Total Dissolved (Calc)	290	10		mg/L	01/28/2005 1059 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/28/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	120	5		mg/L	01/27/2005 1236 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	76	1		mg/L	01/28/2005 1059 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/31/2005 1210 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/28/2005 1200 RM	EPA 353.2
Radium 226	51.2±4.5	0.2		pCi/L	02/07/2005 1334 TWP	SM 7500 RA B
Silica as SiO2	11.5	0.1		mg/L	01/27/2005 909 MH	EPA 200.7
Sodium Adsorption Ratio	3.7	0.1			01/28/2005 1059 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	146	5		mg/L	01/27/2005 1236 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/27/2005 1236 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/27/2005 1236 KA	SM 2320B
Chloride	7	1		mg/L	01/27/2005 1615 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/27/2005 1236 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/27/2005 1421 RM	EPA 353.2
Sulfate	103	1		mg/L	01/27/2005 1615 LK	EPA 300.0
Cations						
Calcium	28	1		mg/L	01/27/2005 909 MH	EPA 200.7
Magnesium	2	1		mg/L	01/27/2005 909 MH	EPA 200.7
Potassium	ND	1		mg/L	01/27/2005 909 MH	EPA 200.7
Sodium	74	1		mg/L	01/27/2005 909 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: Karen A Barlow for
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: 2/15/2005
Report ID: S0501199001

Project: Cogema Christensen Mine
Lab ID: S0501199-001
Client Sample ID 3L16-1
Matrix: Water

Work Order: S0501199
Collection Date: 1/25/2005
Date Received: 1/25/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.39	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Chloride	0.21	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Sulfate	2.14	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Calcium	1.38	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Magnesium	0.13	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Potassium	0.01	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Sodium	3.20	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	4.75	0		meq/L	01/28/2005 1059 KA	SM 1030F
Anion Sum	4.75	0		meq/L	01/28/2005 1059 KA	SM 1030F
Cation-Anion Balance	0.05	0		%	01/28/2005 1059 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/27/2005 909 MH	EPA 200.7
Arsenic	0.010	0.005		mg/L	01/27/2005 1229 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/27/2005 1229 MS	EPA 200.8
Boron	0.09	0.03		mg/L	01/27/2005 909 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/27/2005 1229 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/27/2005 909 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/27/2005 1229 MS	EPA 200.8
Iron	0.09	0.05		mg/L	01/27/2005 909 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/27/2005 1229 MS	EPA 200.8
Manganese	ND	0.02		mg/L	01/27/2005 909 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/28/2005 1112 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/27/2005 1229 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/27/2005 909 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/27/2005 1229 MS	EPA 200.8
Uranium	0.0790	0.0001		mg/L	01/27/2005 1229 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/27/2005 1229 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/27/2005 909 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: Karen Kaufman for
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: 2/15/2005
Report ID: S0501199001

Project: Cogema Christensen Mine
Lab ID: S0501199-002
Client Sample ID 3U45-1
Matrix: Water

Work Order: S0501199
Collection Date: 1/25/2005
Date Received: 1/25/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	01/27/2005 1248 KA	EPA 150.1
Electrical Conductivity	723	5		µmhos/cm	01/27/2005 1248 KA	SM 2510B
Total Dissolved Solids (180)	630	10		mg/L	01/26/2005 1116 TG	SM 2540
Solids, Total Dissolved (Calc)	450	10		mg/L	01/28/2005 1059 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/28/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	178	5		mg/L	01/27/2005 1248 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	132	1		mg/L	01/28/2005 1059 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/31/2005 1211 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/26/2005 1207 RM	EPA 353.2
Radium 226	261±10	0.2		pCi/L	02/07/2005 1334 TWP	SM 7500 RA B
Silica as SiO2	23.9	0.1		mg/L	01/27/2005 916 MH	EPA 200.7
Sodium Adsorption Ratio	4.1	0.1			01/28/2005 1059 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	218	5		mg/L	01/27/2005 1248 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/27/2005 1248 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/27/2005 1248 KA	SM 2320B
Chloride	4	1		mg/L	01/27/2005 1628 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/27/2005 1248 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/27/2005 1422 RM	EPA 353.2
Sulfate	180	1		mg/L	01/27/2005 1628 LK	EPA 300.0
Cations						
Calcium	44	1		mg/L	01/27/2005 916 MH	EPA 200.7
Magnesium	6	1		mg/L	01/27/2005 916 MH	EPA 200.7
Potassium	1	1		mg/L	01/27/2005 916 MH	EPA 200.7
Sodium	108	1		mg/L	01/27/2005 916 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: Karen Asay for
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: 2/15/2005
Report ID: S0501199001

Project: Cogema Christensen Mine
Lab ID: S0501199-002
Client Sample ID 3U45-1
Matrix: Water

Work Order: S0501199
Collection Date: 1/25/2005
Date Received: 1/25/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.56	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Chloride	0.11	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Sulfate	3.74	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Calcium	2.17	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Magnesium	0.46	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Potassium	0.03	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Sodium	4.69	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	7.36	0		meq/L	01/28/2005 1059 KA	SM 1030F
Anion Sum	7.42	0		meq/L	01/28/2005 1059 KA	SM 1030F
Cation-Anion Balance	0.43	0		%	01/28/2005 1059 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/27/2005 916 MH	EPA 200.7
Arsenic	0.005	0.005		mg/L	01/27/2005 1232 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/27/2005 1232 MS	EPA 200.8
Boron	0.07	0.03		mg/L	01/27/2005 916 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/27/2005 1232 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/27/2005 916 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/27/2005 1232 MS	EPA 200.8
Iron	0.13	0.05		mg/L	01/27/2005 916 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/27/2005 1232 MS	EPA 200.8
Manganese	0.18	0.02		mg/L	01/27/2005 916 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/28/2005 1114 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/27/2005 1232 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/27/2005 916 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/27/2005 1232 MS	EPA 200.8
Uranium	0.128	0.0001		mg/L	01/27/2005 1232 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/27/2005 1232 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/27/2005 916 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: 2/15/2005
Report ID: S0501199001

Project: Cogema Christensen Mine
Lab ID: S0501199-003
Client Sample ID 3O37-2
Matrix: Water

Work Order: S0501199
Collection Date: 1/25/2005
Date Received: 1/25/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	01/27/2005 1300 KA	EPA 150.1
Electrical Conductivity	694	5		µmhos/cm	01/27/2005 1300 KA	SM 2510B
Total Dissolved Solids (180)	640	10		mg/L	01/26/2005 1121 TG	SM 2540
Solids, Total Dissolved (Calc)	450	10		mg/L	01/28/2005 1059 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/28/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	101	5		mg/L	01/27/2005 1300 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	179	1		mg/L	01/28/2005 1059 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/31/2005 1212 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/26/2005 1208 RM	EPA 353.2
Radium 226	179.8±8.5	0.2		pCi/L	02/07/2005 1334 TWP	SM 7500 RA B
Silica as SiO2	23.9	0.1		mg/L	01/27/2005 920 MH	EPA 200.7
Sodium Adsorption Ratio	2.7	0.1			01/28/2005 1059 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	123	5		mg/L	01/27/2005 1300 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/27/2005 1300 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/27/2005 1300 KA	SM 2320B
Chloride	5	1		mg/L	01/27/2005 1641 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/27/2005 1300 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/27/2005 1431 RM	EPA 353.2
Sulfate	230	1		mg/L	01/27/2005 1641 LK	EPA 300.0
Cations						
Calcium	63	1		mg/L	01/27/2005 920 MH	EPA 200.7
Magnesium	5	1		mg/L	01/27/2005 920 MH	EPA 200.7
Potassium	ND	1		mg/L	01/27/2005 920 MH	EPA 200.7
Sodium	83	1		mg/L	01/27/2005 920 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: Karen A Barker for
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: 2/15/2005
Report ID: S0501199001

Project: Cogema Christensen Mine
Lab ID: S0501199-003
Client Sample ID 3O37-2
Matrix: Water

Work Order: S0501199
Collection Date: 1/25/2005
Date Received: 1/25/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.01	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Chloride	0.14	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Sulfate	4.78	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Calcium	3.14	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Magnesium	0.43	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Potassium	0.02	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Sodium	3.59	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	7.19	0		meq/L	01/28/2005 1059 KA	SM 1030F
Anion Sum	6.94	0		meq/L	01/28/2005 1059 KA	SM 1030F
Cation-Anion Balance	1.81	0		%	01/28/2005 1059 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/27/2005 920 MH	EPA 200.7
Arsenic	0.015	0.005		mg/L	01/27/2005 1234 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/27/2005 1234 MS	EPA 200.8
Boron	0.10	0.03		mg/L	01/27/2005 920 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/27/2005 1234 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/27/2005 920 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/27/2005 1234 MS	EPA 200.8
Iron	0.42	0.05		mg/L	01/27/2005 920 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/27/2005 1234 MS	EPA 200.8
Manganese	0.06	0.02		mg/L	01/27/2005 920 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/28/2005 1119 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/27/2005 1234 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/27/2005 920 MH	EPA 200.7
Selenium	0.007	0.005		mg/L	01/27/2005 1234 MS	EPA 200.8
Uranium	0.0700	0.0001		mg/L	01/27/2005 1234 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/27/2005 1234 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/27/2005 920 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: Karen Kaufman for
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: 2/15/2005
Report ID: S0501199001

Project: Cogema Christensen Mine
Lab ID: S0501199-004
Client Sample ID 3J26-1
Matrix: Water

Work Order: S0501199
Collection Date: 1/25/2005
Date Received: 1/25/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.3	0.1		s.u.	01/27/2005 1313 KA	EPA 150.1
Electrical Conductivity	798	5		µmhos/cm	01/27/2005 1313 KA	SM 2510B
Total Dissolved Solids (180)	760	10		mg/L	01/26/2005 1126 TG	SM 2540
Solids, Total Dissolved (Calc)	510	10		mg/L	01/28/2005 1059 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/28/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	100	5		mg/L	01/27/2005 1313 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	100	1		mg/L	01/28/2005 1059 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/31/2005 1213 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/26/2005 1209 RM	EPA 353.2
Radium 226	136.7±7.4	0.2		pCi/L	02/07/2005 1334 TWP	SM 7500 RA B
Silica as SiO2	22.0	0.1		mg/L	01/27/2005 924 MH	EPA 200.7
Sodium Adsorption Ratio	5.8	0.1			01/28/2005 1059 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	122	5		mg/L	01/27/2005 1313 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/27/2005 1313 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/27/2005 1313 KA	SM 2320B
Chloride	5	1		mg/L	01/27/2005 1653 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/27/2005 1313 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/27/2005 1432 RM	EPA 353.2
Sulfate	276	1		mg/L	01/27/2005 1653 LK	EPA 300.0
Cations						
Calcium	30	1		mg/L	01/27/2005 924 MH	EPA 200.7
Magnesium	6	1		mg/L	01/27/2005 924 MH	EPA 200.7
Potassium	2	1		mg/L	01/27/2005 924 MH	EPA 200.7
Sodium	133	1		mg/L	01/27/2005 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: Karen A Beach for
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: 2/15/2005
Report ID: S0501199001

Project: Cogema Christensen Mine
Lab ID: S0501199-004
Client Sample ID 3J26-1
Matrix: Water

Work Order: S0501199
Collection Date: 1/25/2005
Date Received: 1/25/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.99	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Chloride	0.15	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Sulfate	5.75	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Calcium	1.49	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Magnesium	0.51	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Potassium	0.04	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Sodium	5.76	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	7.81	0		meq/L	01/28/2005 1059 KA	SM 1030F
Anion Sum	7.89	0		meq/L	01/28/2005 1059 KA	SM 1030F
Cation-Anion Balance	0.52	0		%	01/28/2005 1059 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/27/2005 924 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/27/2005 1237 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/27/2005 1237 MS	EPA 200.8
Boron	0.06	0.03		mg/L	01/27/2005 924 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/27/2005 1237 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/27/2005 924 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/27/2005 1237 MS	EPA 200.8
Iron	0.12	0.05		mg/L	01/27/2005 924 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/27/2005 1237 MS	EPA 200.8
Manganese	0.08	0.02		mg/L	01/27/2005 924 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/28/2005 1125 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/27/2005 1237 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/27/2005 924 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/27/2005 1237 MS	EPA 200.8
Uranium	0.0266	0.0001		mg/L	01/27/2005 1237 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/27/2005 1237 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/27/2005 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: Karen A Barker for
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: 2/15/2005
Report ID: S0501199001

Project: Cogema Christensen Mine
Lab ID: S0501199-005
Client Sample ID 3Z87-1
Matrix: Water

Work Order: S0501199
Collection Date: 1/25/2005
Date Received: 1/25/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	01/27/2005 1325 KA	EPA 150.1
Electrical Conductivity	442	5		µmhos/cm	01/27/2005 1325 KA	SM 2510B
Total Dissolved Solids (180)	430	10		mg/L	01/26/2005 1131 TG	SM 2540
Solids, Total Dissolved (Calc)	280	10		mg/L	01/28/2005 1059 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	01/28/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	87	5		mg/L	01/27/2005 1325 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	98	1		mg/L	01/28/2005 1059 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/31/2005 1214 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/26/2005 1210 RM	EPA 353.2
Radium 226	85.5±5.9	0.2		pCi/L	02/07/2005 1334 TWP	SM 7500 RA B
Silica as SiO2	12.7	0.1		mg/L	01/27/2005 928 MH	EPA 200.7
Sodium Adsorption Ratio	2.4	0.1			01/28/2005 1059 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	107	5		mg/L	01/27/2005 1325 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/27/2005 1325 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/27/2005 1325 KA	SM 2320B
Chloride	3	1		mg/L	01/27/2005 1706 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/27/2005 1325 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	01/27/2005 1433 RM	EPA 353.2
Sulfate	125	1		mg/L	01/27/2005 1706 LK	EPA 300.0
Cations						
Calcium	37	1		mg/L	01/27/2005 928 MH	EPA 200.7
Magnesium	2	1		mg/L	01/27/2005 928 MH	EPA 200.7
Potassium	ND	1		mg/L	01/27/2005 928 MH	EPA 200.7
Sodium	55	1		mg/L	01/27/2005 928 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: Karen Bauch for
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: 2/15/2005
Report ID: S0501199001

Project: Cogema Christensen Mine
Lab ID: S0501199-005
Client Sample ID 3Z87-1
Matrix: Water

Work Order: S0501199
Collection Date: 1/25/2005
Date Received: 1/25/2005 4:30:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.74	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Chloride	0.09	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Fluoride	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Sulfate	2.60	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Calcium	1.83	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Magnesium	0.13	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Potassium	0.01	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Sodium	2.39	0.01		meq/L	01/28/2005 1059 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	4.37	0		meq/L	01/28/2005 1059 KA	SM 1030F
Anion Sum	4.44	0		meq/L	01/28/2005 1059 KA	SM 1030F
Cation-Anion Balance	0.75	0		%	01/28/2005 1059 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	01/27/2005 928 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/27/2005 1248 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/27/2005 1248 MS	EPA 200.8
Boron	0.07	0.03		mg/L	01/27/2005 928 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/27/2005 1248 MS	EPA 200.8
Chromium	ND	0.01		mg/L	01/27/2005 928 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/27/2005 1248 MS	EPA 200.8
Iron	0.26	0.05		mg/L	01/27/2005 928 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/27/2005 1248 MS	EPA 200.8
Manganese	0.12	0.02		mg/L	01/27/2005 928 MH	EPA 200.7
Mercury	ND	0.001		mg/L	01/28/2005 1126 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/27/2005 1248 MS	EPA 200.8
Nickel	ND	0.01		mg/L	01/27/2005 928 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/27/2005 1248 MS	EPA 200.8
Uranium	0.0255	0.0001		mg/L	01/27/2005 1248 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/27/2005 1248 MS	EPA 200.8
Zinc	ND	0.01		mg/L	01/27/2005 928 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: Karen Bach for
Wade Nieuwsma, Project Manager

Inter-Mountain Laboratories

Work Order Summary

		Work Order:	S0501199
Client:	Cogema Mining Inc.	Received:	1/25/05
Project:	Cogema Christensen Mine	Due:	2/14/05
Comments:	E-mail Donna		

Tests/Analytes

Acidity - Water
Acidity, Total (As CaCO3)

Alkalinity
Alkalinity, Bicarbonate as HCO3, Alkalinity, Carbonate as CO3, Alkalinity, Hydroxide as OH, Alkalinity, Total (As CaCO3)

Anions
Bicarbonate as HCO3, Carbonate as CO3, Chloride, Fluoride, Hydroxide as OH, Nitrate + Nitrite as N, Sulfate

Anions by ION Chromatography
Chloride, Sulfate

Calculated TDS
Solids, Total Dissolved (Calc)

Cation-Anion Balance
Anion Sum, Cation Sum, Cation-Anion Balance

3630

Cations
Calcium, Magnesium, Potassium, Sodium

Cations by ICP (Method 200.7)
Calcium, Magnesium, Potassium, Sodium

Conductivity
Electrical Conductivity

Dissolved Mercury by EPA 245.1 - Water
Mercury

Dissolved Metals by ICP - EPA 200.7 - Water
Aluminum, Boron, Chromium, Iron, Manganese, Nickel, Zinc

Dissolved Metals by ICPMS EPA 200.8 - Water
Arsenic, Barium, Cadmium, Copper, Lead, Molybdenum, Selenium, Uranium, Vanadium

Fluoride by SM 4500
Fluoride

HARDNESS
Hardness, Calcium/Magnesium (As CaCO3)

Nitrogen, Ammonia (as N)
Nitrogen, Ammonia (As N)

Nitrogen, Nitrate-Nitrite (as N)
Nitrogen, Nitrate-Nitrite (as N), Nitrogen, Nitrite (as N)

pH Water
pH

Radium 226 by SM 7500
Radium 226

Silica as SiO2
Silica as SiO2

Sodium Adsorption Ratio - Water
Sodium Adsorption Ratio

SAMPLE SUBMITTAL AND CHAIN OF CUSTODY FORM

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

Samples shipped to Inter-mountain lab sheridan,wy

Submitted by _____ Date 1-22-05 Received by TWO Date 1/20/05 1700

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

Restoration Phase:
___ Groundwater Sweep (explain _____)
___ Reverse Osmosis Filtration (explain _____)
___ Recirculation (explain _____)
X Stabilization (explain Round 2 of MW 3)

*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	MW3-1	1-22-05	Half Gal.	X		X		01221-001
			Quart	X				"
			8 ozs.		X			"
			8 ozs.	X			X	"
2	MW9-1		**	**	**	**	**	002
3	31S2-2		**	**	**	**	**	003
4	3T22-2		**	**	**	**	**	004
5	3L20-1	1-22-05	**	**	**	**	**	005
6	3920-1		**	**	**	**	**	006
7	3922-1		**	**	**	**	**	007
8	3A25-1		**	**	**	**	**	008
9	3N25-1		**	**	**	**	**	009
10	3G13-1		**	**	**	**	**	010
11	3D12-2		**	**	**	**	**	011
12			**	**	**	**	**	
13			**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	

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

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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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-001
Client Sample ID 4H7-1
Matrix: Water

Work Order: S0501221
Collection Date: 1/26/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.6	0.1		s.u.	01/28/2005 1141 KA	EPA 150.1
Electrical Conductivity	625	5		µmhos/cm	01/28/2005 1141 KA	SM 2510B
Total Dissolved Solids (180)	420	10		mg/L	01/28/2005 1320 KA	SM 2540
Solids, Total Dissolved (Calc)	390	10		mg/L	02/08/2005 1151 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	02/08/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	104	5		mg/L	01/28/2005 1141 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	26	1		mg/L	02/08/2005 1151 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.5	0.1		mg/L	01/31/2005 1305 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/28/2005 925 RM	EPA 353.2
Radium 226	11.9±1.8	0.2		pCi/L	02/07/2005 1656 TWP	SM 7500 RA B
Silica as SiO2	8.9	0.1		mg/L	02/02/2005 918 MH	EPA 200.7
Sodium Adsorption Ratio	11.0	0.1			02/08/2005 1151 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	117	5		mg/L	01/28/2005 1141 KA	SM 2320B
Alkalinity, Carbonate as CO3	5	5		mg/L	01/28/2005 1141 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/28/2005 1141 KA	SM 2320B
Chloride	7	1		mg/L	02/01/2005 1046 LK	EPA 300.0
Fluoride	0.2	0.1		mg/L	01/28/2005 1141 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	02/01/2005 1049 RM	EPA 353.2
Sulfate	182	1		mg/L	02/01/2005 1046 LK	EPA 300.0
Cations						
Calcium	8	1		mg/L	02/07/2005 659 MH	EPA 200.7
Magnesium	1	1		mg/L	02/07/2005 659 MH	EPA 200.7
Potassium	2	1		mg/L	02/07/2005 659 MH	EPA 200.7
Sodium	129	1		mg/L	02/07/2005 659 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: Karen Boulé for
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-001
Client Sample ID 4H7-1
Matrix: Water

Work Order: S0501221
Collection Date: 1/26/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.91	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Carbonate as CO3	0.16	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Chloride	0.20	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Fluoride	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sulfate	3.79	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Calcium	0.41	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Magnesium	0.09	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Potassium	0.04	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sodium	5.59	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	6.15	0		meq/L	02/08/2005 1151 KA	SM 1030F
Anion Sum	6.09	0		meq/L	02/08/2005 1151 KA	SM 1030F
Cation-Anion Balance	0.45	0		%	02/08/2005 1151 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	02/02/2005 918 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/28/2005 1306 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/28/2005 1306 MS	EPA 200.8
Boron	0.04	0.03		mg/L	02/02/2005 918 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/28/2005 1306 MS	EPA 200.8
Chromium	ND	0.01		mg/L	02/02/2005 918 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/28/2005 1306 MS	EPA 200.8
Iron	ND	0.05		mg/L	02/02/2005 918 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/28/2005 1306 MS	EPA 200.8
Manganese	ND	0.02		mg/L	02/02/2005 918 MH	EPA 200.7
Mercury	ND	0.001		mg/L	02/01/2005 1209 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/28/2005 1306 MS	EPA 200.8
Nickel	ND	0.01		mg/L	02/02/2005 918 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/28/2005 1306 MS	EPA 200.8
Uranium	0.0197	0.0001		mg/L	01/28/2005 1306 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/28/2005 1306 MS	EPA 200.8
Zinc	ND	0.01		mg/L	02/02/2005 918 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- 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: Karen A Baudin for
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-002
Client Sample ID 4K9-1
Matrix: Water

Work Order: S0501221
Collection Date: 1/26/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.2	0.1		s.u.	01/28/2005 1150 KA	EPA 150.1
Electrical Conductivity	690	5		µmhos/cm	01/28/2005 1150 KA	SM 2510B
Total Dissolved Solids (180)	460	10		mg/L	01/28/2005 1325 KA	SM 2540
Solids, Total Dissolved (Calc)	440	10		mg/L	02/08/2005 1151 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	02/08/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	139	5		mg/L	01/28/2005 1150 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	45	1		mg/L	02/08/2005 1151 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.1	0.1		mg/L	01/31/2005 1312 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/28/2005 926 RM	EPA 353.2
Radium 226	19.4±2.3	0.2		pCi/L	02/07/2005 1656 TWP	SM 7500 RA B
Silica as SiO2	5.4	0.1		mg/L	02/02/2005 922 MH	EPA 200.7
Sodium Adsorption Ratio	9.3	0.1			02/08/2005 1151 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	170	5		mg/L	01/28/2005 1150 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/28/2005 1150 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/28/2005 1150 KA	SM 2320B
Chloride	9	1		mg/L	02/01/2005 1100 LK	EPA 300.0
Fluoride	0.2	0.1		mg/L	01/28/2005 1150 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	02/01/2005 1050 RM	EPA 353.2
Sulfate	187	1		mg/L	02/01/2005 1100 LK	EPA 300.0
Cations						
Calcium	14	1		mg/L	02/02/2005 922 MH	EPA 200.7
Magnesium	2	1		mg/L	02/02/2005 922 MH	EPA 200.7
Potassium	3	1		mg/L	02/02/2005 922 MH	EPA 200.7
Sodium	143	1		mg/L	02/02/2005 922 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: Karen A Baule for
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-002
Client Sample ID 4K9-1
Matrix: Water

Work Order: S0501221
Collection Date: 1/26/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.77	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Chloride	0.24	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Fluoride	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sulfate	3.88	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Calcium	0.70	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Magnesium	0.18	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Potassium	0.06	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sodium	6.21	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	7.17	0		meq/L	02/08/2005 1151 KA	SM 1030F
Anion Sum	6.91	0		meq/L	02/08/2005 1151 KA	SM 1030F
Cation-Anion Balance	1.80	0		%	02/08/2005 1151 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	02/02/2005 922 MH	EPA 200.7
Arsenic	0.005	0.005		mg/L	01/28/2005 1314 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/28/2005 1314 MS	EPA 200.8
Boron	0.04	0.03		mg/L	02/02/2005 922 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/28/2005 1314 MS	EPA 200.8
Chromium	ND	0.01		mg/L	02/02/2005 922 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/28/2005 1314 MS	EPA 200.8
Iron	ND	0.05		mg/L	02/02/2005 922 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/28/2005 1314 MS	EPA 200.8
Manganese	ND	0.02		mg/L	02/02/2005 922 MH	EPA 200.7
Mercury	ND	0.001		mg/L	02/01/2005 1211 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/28/2005 1314 MS	EPA 200.8
Nickel	ND	0.01		mg/L	02/02/2005 922 MH	EPA 200.7
Selenium	0.282	0.005		mg/L	01/28/2005 1314 MS	EPA 200.8
Uranium	0.864	0.0001		mg/L	01/28/2005 1314 MS	EPA 200.8
Vanadium	0.06	0.02		mg/L	01/28/2005 1314 MS	EPA 200.8
Zinc	ND	0.01		mg/L	02/02/2005 922 MH	EPA 200.7

These results apply only to the samples tested.

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- 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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-003
Client Sample ID 3V52-2
Matrix: Water

Work Order: S0501221
Collection Date: 1/26/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.2	0.1		s.u.	01/28/2005 1204 KA	EPA 150.1
Electrical Conductivity	944	5		µmhos/cm	01/28/2005 1204 KA	SM 2510B
Total Dissolved Solids (180)	740	10		mg/L	01/28/2005 1330 KA	SM 2540
Solids, Total Dissolved (Calc)	670	10		mg/L	02/08/2005 1151 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	02/08/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	139	5		mg/L	01/28/2005 1204 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	242	1		mg/L	02/08/2005 1151 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/31/2005 1313 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/28/2005 933 RM	EPA 353.2
Radium 226	200.0±7.5	0.2		pCi/L	02/07/2005 1656 TWP	SM 7500 RA B
Silica as SiO2	27.2	0.1		mg/L	02/02/2005 929 MH	EPA 200.7
Sodium Adsorption Ratio	3.6	0.1			02/08/2005 1151 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	169	5		mg/L	01/28/2005 1204 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/28/2005 1204 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/28/2005 1204 KA	SM 2320B
Chloride	5	1		mg/L	02/01/2005 1113 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/28/2005 1204 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	02/01/2005 1051 RM	EPA 353.2
Sulfate	360	1		mg/L	02/01/2005 1113 LK	EPA 300.0
Cations						
Calcium	82	1		mg/L	02/02/2005 929 MH	EPA 200.7
Magnesium	9	1		mg/L	02/02/2005 929 MH	EPA 200.7
Potassium	1	1		mg/L	02/02/2005 929 MH	EPA 200.7
Sodium	128	1		mg/L	02/02/2005 929 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: Karen A Baker for
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-003
Client Sample ID 3V52-2
Matrix: Water

Work Order: S0501221
Collection Date: 1/26/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.77	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Chloride	0.12	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Fluoride	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sulfate	7.49	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Calcium	4.08	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Magnesium	0.75	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Potassium	0.03	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sodium	5.57	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	10.45	0		meq/L	02/08/2005 1151 KA	SM 1030F
Anion Sum	10.40	0		meq/L	02/08/2005 1151 KA	SM 1030F
Cation-Anion Balance	0.25	0		%	02/08/2005 1151 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	02/02/2005 929 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/28/2005 1317 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/28/2005 1317 MS	EPA 200.8
Boron	0.07	0.03		mg/L	02/02/2005 929 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/28/2005 1317 MS	EPA 200.8
Chromium	ND	0.01		mg/L	02/02/2005 929 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/28/2005 1317 MS	EPA 200.8
Iron	0.40	0.05		mg/L	02/02/2005 929 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/28/2005 1317 MS	EPA 200.8
Manganese	0.50	0.02		mg/L	02/02/2005 929 MH	EPA 200.7
Mercury	ND	0.001		mg/L	02/01/2005 1213 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/28/2005 1317 MS	EPA 200.8
Nickel	0.01	0.01		mg/L	02/02/2005 929 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/28/2005 1317 MS	EPA 200.8
Uranium	0.0512	0.0001		mg/L	01/28/2005 1317 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/28/2005 1317 MS	EPA 200.8
Zinc	ND	0.01		mg/L	02/02/2005 929 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: Karen K Bauer for
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-004
Client Sample ID 3T27-2
Matrix: Water

Work Order: S0501221
Collection Date: 1/26/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.2	0.1		s.u.	01/28/2005 1216 KA	EPA 150.1
Electrical Conductivity	662	5		µmhos/cm	01/28/2005 1216 KA	SM 2510B
Total Dissolved Solids (180)	480	10		mg/L	01/28/2005 1335 KA	SM 2540
Solids, Total Dissolved (Calc)	440	10		mg/L	02/08/2005 1151 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	02/08/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	126	5		mg/L	01/28/2005 1216 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	124	1		mg/L	02/08/2005 1151 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/31/2005 1314 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/28/2005 934 RM	EPA 353.2
Radium 226	156.9±6.6	0.2		pCi/L	02/07/2005 1656 TWP	SM 7500 RA B
Silica as SiO2	18.4	0.1		mg/L	02/02/2005 933 MH	EPA 200.7
Sodium Adsorption Ratio	4.1	0.1			02/08/2005 1151 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	153	5		mg/L	01/28/2005 1216 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/28/2005 1216 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/28/2005 1216 KA	SM 2320B
Chloride	4	1		mg/L	02/01/2005 1127 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/28/2005 1216 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	02/01/2005 1052 RM	EPA 353.2
Sulfate	210	1		mg/L	02/01/2005 1127 LK	EPA 300.0
Cations						
Calcium	40	1		mg/L	02/02/2005 933 MH	EPA 200.7
Magnesium	6	1		mg/L	02/02/2005 933 MH	EPA 200.7
Potassium	1	1		mg/L	02/02/2005 933 MH	EPA 200.7
Sodium	105	1		mg/L	02/02/2005 933 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: Karen K Baude for
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-004
Client Sample ID 3T27-2
Matrix: Water

Work Order: S0501221
Collection Date: 1/26/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.51	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Chloride	0.11	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Fluoride	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sulfate	4.37	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Calcium	1.98	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Magnesium	0.50	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Potassium	0.03	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sodium	4.54	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	7.06	0		meq/L	02/08/2005 1151 KA	SM 1030F
Anion Sum	7.01	0		meq/L	02/08/2005 1151 KA	SM 1030F
Cation-Anion Balance	0.40	0		%	02/08/2005 1151 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	02/02/2005 933 MH	EPA 200.7
Arsenic	0.009	0.005		mg/L	01/28/2005 1320 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/28/2005 1320 MS	EPA 200.8
Boron	0.07	0.03		mg/L	02/02/2005 933 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/28/2005 1320 MS	EPA 200.8
Chromium	ND	0.01		mg/L	02/02/2005 933 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/28/2005 1320 MS	EPA 200.8
Iron	2.16	0.05		mg/L	02/02/2005 933 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/28/2005 1320 MS	EPA 200.8
Manganese	0.10	0.02		mg/L	02/02/2005 933 MH	EPA 200.7
Mercury	ND	0.001		mg/L	02/01/2005 1215 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/28/2005 1320 MS	EPA 200.8
Nickel	ND	0.01		mg/L	02/02/2005 933 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/28/2005 1320 MS	EPA 200.8
Uranium	0.0211	0.0001		mg/L	01/28/2005 1320 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/28/2005 1320 MS	EPA 200.8
Zinc	ND	0.01		mg/L	02/02/2005 933 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: Karen Kaucher for
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-005
Client Sample ID 3L20-1
Matrix: Water

Work Order: S0501221
Collection Date: 1/27/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.5	0.1		s.u.	01/28/2005 1227 KA	EPA 150.1
Electrical Conductivity	457	5		µmhos/cm	01/28/2005 1227 KA	SM 2510B
Total Dissolved Solids (180)	310	10		mg/L	01/28/2005 1340 KA	SM 2540
Solids, Total Dissolved (Calc)	280	10		mg/L	02/08/2005 1151 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	02/08/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	104	5		mg/L	01/28/2005 1227 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	86	1		mg/L	02/08/2005 1151 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/31/2005 1315 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/28/2005 935 RM	EPA 353.2
Radium 226	52.7±3.8	0.2		pCi/L	02/07/2005 1656 TWP	SM 7500 RA B
Silica as SiO2	9.8	0.1		mg/L	02/02/2005 937 MH	EPA 200.7
Sodium Adsorption Ratio	3.3	0.1			02/08/2005 1151 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	127	5		mg/L	01/28/2005 1227 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/28/2005 1227 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/28/2005 1227 KA	SM 2320B
Chloride	5	1		mg/L	02/08/2005 1121 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/28/2005 1227 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	02/01/2005 1053 RM	EPA 353.2
Sulfate	114	1		mg/L	02/01/2005 1141 LK	EPA 300.0
Cations						
Calcium	29	1		mg/L	02/07/2005 703 MH	EPA 200.7
Magnesium	3	1		mg/L	02/07/2005 703 MH	EPA 200.7
Potassium	ND	1		mg/L	02/07/2005 703 MH	EPA 200.7
Sodium	70	1		mg/L	02/07/2005 703 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: Karen Acosta for
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-005
Client Sample ID 3L20-1
Matrix: Water

Work Order: S0501221
Collection Date: 1/27/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.07	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Chloride	0.12	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Fluoride	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sulfate	2.37	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Calcium	1.44	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Magnesium	0.26	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Potassium	0.02	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sodium	3.10	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	4.77	0		meq/L	02/08/2005 1151 KA	SM 1030F
Anion Sum	4.59	0		meq/L	02/08/2005 1151 KA	SM 1030F
Cation-Anion Balance	1.93	0		%	02/08/2005 1151 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	02/02/2005 937 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/28/2005 1323 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/28/2005 1323 MS	EPA 200.8
Boron	0.06	0.03		mg/L	02/02/2005 937 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/28/2005 1323 MS	EPA 200.8
Chromium	ND	0.01		mg/L	02/02/2005 937 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/28/2005 1323 MS	EPA 200.8
Iron	0.05	0.05		mg/L	02/02/2005 937 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/28/2005 1323 MS	EPA 200.8
Manganese	0.03	0.02		mg/L	02/02/2005 937 MH	EPA 200.7
Mercury	ND	0.001		mg/L	02/01/2005 1217 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/28/2005 1323 MS	EPA 200.8
Nickel	ND	0.01		mg/L	02/02/2005 937 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/28/2005 1323 MS	EPA 200.8
Uranium	0.0153	0.0001		mg/L	01/28/2005 1323 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/28/2005 1323 MS	EPA 200.8
Zinc	ND	0.01		mg/L	02/02/2005 937 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: Karen Nieuwsma
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-006
Client Sample ID 3S20-1
Matrix: Water

Work Order: S0501221
Collection Date: 1/27/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.4	0.1		s.u.	01/28/2005 1239 KA	EPA 150.1
Electrical Conductivity	693	5		µmhos/cm	01/28/2005 1239 KA	SM 2510B
Total Dissolved Solids (180)	510	10		mg/L	01/28/2005 1345 KA	SM 2540
Solids, Total Dissolved (Calc)	460	10		mg/L	02/08/2005 1151 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	02/08/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	89	5		mg/L	01/28/2005 1239 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	173	1		mg/L	02/08/2005 1151 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/31/2005 1316 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/28/2005 936 RM	EPA 353.2
Radium 226	392±10	0.2		pCi/L	02/07/2005 1656 TWP	SM 7500 RA B
Silica as SiO2	16.1	0.1		mg/L	02/02/2005 941 MH	EPA 200.7
Sodium Adsorption Ratio	2.9	0.1			02/08/2005 1151 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	108	5		mg/L	01/28/2005 1239 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/28/2005 1239 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/28/2005 1239 KA	SM 2320B
Chloride	3	1		mg/L	02/01/2005 1155 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/28/2005 1239 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	02/01/2005 1054 RM	EPA 353.2
Sulfate	248	1		mg/L	02/01/2005 1155 LK	EPA 300.0
Cations						
Calcium	60	1		mg/L	02/07/2005 707 MH	EPA 200.7
Magnesium	6	1		mg/L	02/07/2005 707 MH	EPA 200.7
Potassium	1	1		mg/L	02/07/2005 707 MH	EPA 200.7
Sodium	88	1		mg/L	02/07/2005 707 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: Karen Baele for
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-006
Client Sample ID 3S20-1
Matrix: Water

Work Order: S0501221
Collection Date: 1/27/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.77	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Chloride	0.09	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Fluoride	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sulfate	5.16	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Calcium	3.06	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Magnesium	0.48	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Potassium	0.02	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sodium	3.91	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	7.32	0		meq/L	02/08/2005 1151 KA	SM 1030F
Anion Sum	7.03	0		meq/L	02/08/2005 1151 KA	SM 1030F
Cation-Anion Balance	2.01	0		%	02/08/2005 1151 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	02/02/2005 941 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/28/2005 1325 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/28/2005 1325 MS	EPA 200.8
Boron	0.06	0.03		mg/L	02/02/2005 941 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/28/2005 1325 MS	EPA 200.8
Chromium	ND	0.01		mg/L	02/02/2005 941 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/28/2005 1325 MS	EPA 200.8
Iron	0.08	0.05		mg/L	02/02/2005 941 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/28/2005 1325 MS	EPA 200.8
Manganese	0.10	0.02		mg/L	02/02/2005 941 MH	EPA 200.7
Mercury	ND	0.001		mg/L	02/01/2005 1219 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/28/2005 1325 MS	EPA 200.8
Nickel	ND	0.01		mg/L	02/02/2005 941 MH	EPA 200.7
Selenium	0.014	0.005		mg/L	01/28/2005 1325 MS	EPA 200.8
Uranium	0.0069	0.0001		mg/L	01/28/2005 1325 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/28/2005 1325 MS	EPA 200.8
Zinc	ND	0.01		mg/L	02/02/2005 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: Karen Nieuwsma for
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-007
Client Sample ID 3Q22-1
Matrix: Water

Work Order: S0501221
Collection Date: 1/27/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	01/28/2005 1251 KA	EPA 150.1
Electrical Conductivity	727	5		µmhos/cm	01/28/2005 1251 KA	SM 2510B
Total Dissolved Solids (180)	500	10		mg/L	01/28/2005 1350 KA	SM 2540
Solids, Total Dissolved (Calc)	470	10		mg/L	02/08/2005 1151 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	02/08/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	199	5		mg/L	01/28/2005 1251 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	164	1		mg/L	02/08/2005 1151 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/31/2005 1317 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/28/2005 937 RM	EPA 353.2
Radium 226	301.2±9.3	0.2		pCi/L	02/07/2005 1656 TWP	SM 7500 RA B
Silica as SiO2	11.6	0.1		mg/L	02/02/2005 945 MH	EPA 200.7
Sodium Adsorption Ratio	3.7	0.1			02/08/2005 1151 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	243	5		mg/L	01/28/2005 1251 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/28/2005 1251 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/28/2005 1251 KA	SM 2320B
Chloride	8	1		mg/L	02/01/2005 1208 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/28/2005 1251 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	02/01/2005 1058 RM	EPA 353.2
Sulfate	174	1		mg/L	02/01/2005 1208 LK	EPA 300.0
Cations						
Calcium	54	1		mg/L	02/02/2005 945 MH	EPA 200.7
Magnesium	7	1		mg/L	02/02/2005 945 MH	EPA 200.7
Potassium	2	1		mg/L	02/02/2005 945 MH	EPA 200.7
Sodium	110	1		mg/L	02/02/2005 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: Karen A Bowles for
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-007
Client Sample ID 3Q22-1
Matrix: Water

Work Order: S0501221
Collection Date: 1/27/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.97	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Chloride	0.23	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Fluoride	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sulfate	3.61	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Calcium	2.68	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Magnesium	0.60	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Potassium	0.03	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sodium	4.80	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	8.12	0		meq/L	02/08/2005 1151 KA	SM 1030F
Anion Sum	7.82	0		meq/L	02/08/2005 1151 KA	SM 1030F
Cation-Anion Balance	1.84	0		%	02/08/2005 1151 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	02/02/2005 945 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/28/2005 1328 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/28/2005 1328 MS	EPA 200.8
Boron	0.05	0.03		mg/L	02/02/2005 945 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/28/2005 1328 MS	EPA 200.8
Chromium	ND	0.01		mg/L	02/02/2005 945 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/28/2005 1328 MS	EPA 200.8
Iron	0.21	0.05		mg/L	02/02/2005 945 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/28/2005 1328 MS	EPA 200.8
Manganese	0.09	0.02		mg/L	02/02/2005 945 MH	EPA 200.7
Mercury	ND	0.001		mg/L	02/01/2005 1221 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/28/2005 1328 MS	EPA 200.8
Nickel	ND	0.01		mg/L	02/02/2005 945 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/28/2005 1328 MS	EPA 200.8
Uranium	0.166	0.0001		mg/L	01/28/2005 1328 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/28/2005 1328 MS	EPA 200.8
Zinc	ND	0.01		mg/L	02/02/2005 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: Karen Nieuwsma for
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-008
Client Sample ID 3AA57-1
Matrix: Water

Work Order: S0501221
Collection Date: 1/27/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	01/28/2005 1302 KA	EPA 150.1
Electrical Conductivity	607	5		µmhos/cm	01/28/2005 1302 KA	SM 2510B
Total Dissolved Solids (180)	410	10		mg/L	01/28/2005 1355 KA	SM 2540
Solids, Total Dissolved (Calc)	390	10		mg/L	02/08/2005 1151 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	02/08/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	219	5		mg/L	01/28/2005 1302 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	109	1		mg/L	02/08/2005 1151 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/31/2005 1318 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/28/2005 938 RM	EPA 353.2
Radium 226	108.8±5.4	0.2		pCi/L	02/07/2005 1656 TWP	SM 7500 RA B
Silica as SiO2	11.8	0.1		mg/L	02/02/2005 1005 MH	EPA 200.7
Sodium Adsorption Ratio	4.5	0.1			02/08/2005 1151 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	267	5		mg/L	01/28/2005 1302 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/28/2005 1302 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/28/2005 1302 KA	SM 2320B
Chloride	4	1		mg/L	02/01/2005 1222 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/28/2005 1302 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	02/01/2005 1057 RM	EPA 353.2
Sulfate	102	1		mg/L	02/01/2005 1222 LK	EPA 300.0
Cations						
Calcium	32	1		mg/L	02/02/2005 1005 MH	EPA 200.7
Magnesium	7	1		mg/L	02/02/2005 1005 MH	EPA 200.7
Potassium	2	1		mg/L	02/02/2005 1005 MH	EPA 200.7
Sodium	108	1		mg/L	02/02/2005 1005 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: Karen Boardman
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-008
Client Sample ID 3AA57-1
Matrix: Water

Work Order: S0501221
Collection Date: 1/27/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.38	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Chloride	0.11	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Fluoride	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sulfate	2.12	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Calcium	1.61	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Magnesium	0.56	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Potassium	0.03	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sodium	4.68	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	6.90	0		meq/L	02/08/2005 1151 KA	SM 1030F
Anion Sum	6.62	0		meq/L	02/08/2005 1151 KA	SM 1030F
Cation-Anion Balance	2.04	0		%	02/08/2005 1151 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	02/02/2005 1005 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	01/28/2005 1331 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/28/2005 1331 MS	EPA 200.8
Boron	0.08	0.03		mg/L	02/02/2005 1005 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/28/2005 1331 MS	EPA 200.8
Chromium	ND	0.01		mg/L	02/02/2005 1005 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/28/2005 1331 MS	EPA 200.8
Iron	0.12	0.05		mg/L	02/02/2005 1005 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/28/2005 1331 MS	EPA 200.8
Manganese	0.11	0.02		mg/L	02/02/2005 1005 MH	EPA 200.7
Mercury	ND	0.001		mg/L	02/01/2005 1223 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/28/2005 1331 MS	EPA 200.8
Nickel	ND	0.01		mg/L	02/02/2005 1005 MH	EPA 200.7
Selenium	0.015	0.005		mg/L	01/28/2005 1331 MS	EPA 200.8
Uranium	0.875	0.0001		mg/L	01/28/2005 1331 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	01/28/2005 1331 MS	EPA 200.8
Zinc	ND	0.01		mg/L	02/02/2005 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: Karen A Bowler for
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-009
Client Sample ID 3N25-1
Matrix: Water

Work Order: S0501221
Collection Date: 1/27/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	01/28/2005 1313 KA	EPA 150.1
Electrical Conductivity	501	5		µmhos/cm	01/28/2005 1313 KA	SM 2510B
Total Dissolved Solids (180)	350	10		mg/L	01/28/2005 1405 KA	SM 2540
Solids, Total Dissolved (Calc)	310	10		mg/L	02/08/2005 1151 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	02/08/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	102	5		mg/L	01/28/2005 1313 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	57	1		mg/L	02/08/2005 1151 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.3	0.1		mg/L	01/31/2005 1319 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/28/2005 939 RM	EPA 353.2
Radium 226	191.8±7.4	0.2		pCi/L	02/07/2005 1658 TWP	SM 7500 RA B
Silica as SiO2	14.6	0.1		mg/L	02/02/2005 1008 MH	EPA 200.7
Sodium Adsorption Ratio	5.1	0.1			02/08/2005 1151 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	124	5		mg/L	01/28/2005 1313 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/28/2005 1313 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/28/2005 1313 KA	SM 2320B
Chloride	5	1		mg/L	02/01/2005 1236 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/28/2005 1313 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	02/01/2005 1105 RM	EPA 353.2
Sulfate	130	1		mg/L	02/01/2005 1236 LK	EPA 300.0
Cations						
Calcium	17	1		mg/L	02/02/2005 1008 MH	EPA 200.7
Magnesium	4	1		mg/L	02/02/2005 1008 MH	EPA 200.7
Potassium	1	1		mg/L	02/02/2005 1008 MH	EPA 200.7
Sodium	89	1		mg/L	02/02/2005 1008 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: Karen Boucher for
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-009
Client Sample ID 3N25-1
Matrix: Water

Work Order: S0501221
Collection Date: 1/27/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.04	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Chloride	0.13	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Fluoride	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sulfate	2.71	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Calcium	0.83	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Magnesium	0.30	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Potassium	0.03	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sodium	3.86	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	5.04	0		meq/L	02/08/2005 1151 KA	SM 1030F
Anion Sum	4.89	0		meq/L	02/08/2005 1151 KA	SM 1030F
Cation-Anion Balance	1.46	0		%	02/08/2005 1151 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	02/02/2005 1008 MH	EPA 200.7
Arsenic	0.018	0.005		mg/L	01/28/2005 1334 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/28/2005 1334 MS	EPA 200.8
Boron	0.07	0.03		mg/L	02/02/2005 1008 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/28/2005 1334 MS	EPA 200.8
Chromium	ND	0.01		mg/L	02/02/2005 1008 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/28/2005 1334 MS	EPA 200.8
Iron	0.61	0.05		mg/L	02/02/2005 1008 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/28/2005 1334 MS	EPA 200.8
Manganese	0.06	0.02		mg/L	02/02/2005 1008 MH	EPA 200.7
Mercury	ND	0.001		mg/L	02/01/2005 1224 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/28/2005 1334 MS	EPA 200.8
Nickel	ND	0.01		mg/L	02/02/2005 1008 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/28/2005 1334 MS	EPA 200.8
Uranium	0.0428	0.0001		mg/L	01/28/2005 1334 MS	EPA 200.8
Vanadium	0.03	0.02		mg/L	01/28/2005 1334 MS	EPA 200.8
Zinc	ND	0.01		mg/L	02/02/2005 1008 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: Karen Barker for
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-010
Client Sample ID 3G13-1
Matrix: Water

Work Order: S0501221
Collection Date: 1/27/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	01/28/2005 1325 KA	EPA 150.1
Electrical Conductivity	520	5		µmhos/cm	01/28/2005 1325 KA	SM 2510B
Total Dissolved Solids (180)	370	10		mg/L	01/28/2005 1410 KA	SM 2540
Solids, Total Dissolved (Calc)	320	10		mg/L	02/08/2005 1151 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	02/08/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	155	5		mg/L	01/28/2005 1325 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	99	1		mg/L	02/08/2005 1151 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.3	0.1		mg/L	01/31/2005 1320 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/28/2005 940 RM	EPA 353.2
Radium 226	115.8±5.7	0.2		pCi/L	02/07/2005 1656 TWP	SM 7500 RA B
Silica as SiO2	17.5	0.1		mg/L	02/02/2005 1016 MH	EPA 200.7
Sodium Adsorption Ratio	3.6	0.1			02/08/2005 1151 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	189	5		mg/L	01/28/2005 1325 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/28/2005 1325 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/28/2005 1325 KA	SM 2320B
Chloride	8	1		mg/L	02/01/2005 1250 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/28/2005 1325 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	02/01/2005 1106 RM	EPA 353.2
Sulfate	101	1		mg/L	02/01/2005 1250 LK	EPA 300.0
Cations						
Calcium	34	1		mg/L	02/07/2005 711 MH	EPA 200.7
Magnesium	4	1		mg/L	02/07/2005 711 MH	EPA 200.7
Potassium	ND	1		mg/L	02/02/2005 1016 MH	EPA 200.7
Sodium	82	1		mg/L	02/07/2005 711 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: Karen Bandelow
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-010
Client Sample ID 3G13-1
Matrix: Water

Work Order: S0501221
Collection Date: 1/27/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.09	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Chloride	0.21	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Fluoride	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sulfate	2.09	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Calcium	1.69	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Magnesium	0.28	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Potassium	0.02	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sodium	3.62	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	5.58	0		meq/L	02/08/2005 1151 KA	SM 1030F
Anion Sum	5.40	0		meq/L	02/08/2005 1151 KA	SM 1030F
Cation-Anion Balance	1.68	0		%	02/08/2005 1151 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	02/02/2005 1016 MH	EPA 200.7
Arsenic	0.005	0.005		mg/L	01/28/2005 1337 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/28/2005 1337 MS	EPA 200.8
Boron	0.06	0.03		mg/L	02/02/2005 1016 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/28/2005 1337 MS	EPA 200.8
Chromium	ND	0.01		mg/L	02/02/2005 1016 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/28/2005 1337 MS	EPA 200.8
Iron	0.39	0.05		mg/L	02/02/2005 1016 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/28/2005 1337 MS	EPA 200.8
Manganese	0.04	0.02		mg/L	02/02/2005 1016 MH	EPA 200.7
Mercury	ND	0.001		mg/L	02/01/2005 1231 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/28/2005 1337 MS	EPA 200.8
Nickel	ND	0.01		mg/L	02/02/2005 1016 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/28/2005 1337 MS	EPA 200.8
Uranium	0.103	0.0001		mg/L	01/28/2005 1337 MS	EPA 200.8
Vanadium	0.09	0.02		mg/L	01/28/2005 1337 MS	EPA 200.8
Zinc	ND	0.01		mg/L	02/02/2005 1016 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: Karen A Boucher for
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-011
Client Sample ID 3D12-2
Matrix: Water

Work Order: S0501221
Collection Date: 1/27/2005
Date Received: 1/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.5	0.1		s.u.	01/28/2005 1337 KA	EPA 150.1
Electrical Conductivity	854	5		µmhos/cm	01/28/2005 1337 KA	SM 2510B
Total Dissolved Solids (180)	630	10		mg/L	01/28/2005 1415 KA	SM 2540
Solids, Total Dissolved (Calc)	590	10		mg/L	02/08/2005 1151 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	02/08/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	175	5		mg/L	01/28/2005 1337 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	243	1		mg/L	02/08/2005 1151 KA	SM 2340B
Nitrogen, Ammonia (As N)	ND	0.1		mg/L	01/31/2005 1321 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	01/28/2005 941 RM	EPA 353.2
Radium 226	423±11	0.2		pCi/L	02/07/2005 1656 TWP	SM 7500 RA B
Silica as SiO2	18.1	0.1		mg/L	02/02/2005 1020 MH	EPA 200.7
Sodium Adsorption Ratio	3.0	0.1			02/08/2005 1151 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	213	5		mg/L	01/28/2005 1337 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	01/28/2005 1337 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	01/28/2005 1337 KA	SM 2320B
Chloride	4	1		mg/L	02/01/2005 1412 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	01/28/2005 1337 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	02/01/2005 1107 RM	EPA 353.2
Sulfate	277	1		mg/L	02/01/2005 1412 LK	EPA 300.0
Cations						
Calcium	77	1		mg/L	02/02/2005 1020 MH	EPA 200.7
Magnesium	13	1		mg/L	02/02/2005 1020 MH	EPA 200.7
Potassium	2	1		mg/L	02/02/2005 1020 MH	EPA 200.7
Sodium	109	1		mg/L	02/02/2005 1020 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: Karen A Bauer for
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: 2/15/2005
Report ID: S0501221001

Project: Cogema Christensen Mine
Lab ID: S0501221-011
Client Sample ID 3D12-2
Matrix: Water

Work Order: S0501221
Collection Date: 1/27/2005
Date Received: 1/27/2005 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	02/08/2005 1151 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Chloride	0.12	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Fluoride	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sulfate	5.76	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Calcium	3.83	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Magnesium	1.02	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Potassium	0.04	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Sodium	4.72	0.01		meq/L	02/08/2005 1151 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	9.62	0		meq/L	02/08/2005 1151 KA	SM 1030F
Anion Sum	9.37	0		meq/L	02/08/2005 1151 KA	SM 1030F
Cation-Anion Balance	1.29	0		%	02/08/2005 1151 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	02/02/2005 1020 MH	EPA 200.7
Arsenic	0.021	0.005		mg/L	01/28/2005 1348 MS	EPA 200.8
Barium	ND	0.5		mg/L	01/28/2005 1348 MS	EPA 200.8
Boron	0.05	0.03		mg/L	02/02/2005 1020 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	01/28/2005 1348 MS	EPA 200.8
Chromium	ND	0.01		mg/L	02/02/2005 1020 MH	EPA 200.7
Copper	ND	0.01		mg/L	01/28/2005 1348 MS	EPA 200.8
Iron	1.53	0.05		mg/L	02/02/2005 1020 MH	EPA 200.7
Lead	ND	0.02		mg/L	01/28/2005 1348 MS	EPA 200.8
Manganese	0.17	0.02		mg/L	02/02/2005 1020 MH	EPA 200.7
Mercury	ND	0.001		mg/L	02/01/2005 1233 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	01/28/2005 1348 MS	EPA 200.8
Nickel	ND	0.01		mg/L	02/02/2005 1020 MH	EPA 200.7
Selenium	ND	0.005		mg/L	01/28/2005 1348 MS	EPA 200.8
Uranium	0.0869	0.0001		mg/L	01/28/2005 1348 MS	EPA 200.8
Vanadium	0.12	0.02		mg/L	01/28/2005 1348 MS	EPA 200.8
Zinc	ND	0.01		mg/L	02/02/2005 1020 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: Karen Boehler for
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 4-19-05 Received by Kelli Anderson Date 4-19-05

Restoration Sample Description
Location: ___ Irigaray _X_ Christensen Mine or Production Unit 3 Module # (if applicale) _____

Restoration Phase:
___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
_X_ Stabilization (explain Round 3 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	3D12-2	4-19-05	Half Gal.	X		X		S0504205-001	
			Quart	X				"	
			8 ozs.		X			"	
			8 ozs.	X			X	"	
2	3N25-1		**	**	**	**	**	002	
3	3L20-1		**	**	**	**	**	003	
4	3T32-1		**	**	**	**	**	004	
5	3W45-1		**	**	**	**	**	005	
6	3037-2		**	**	**	**	**	006	
7	3W6-1		**	**	**	**	**	007	
8	3T27-2		**	**	**	**	**	008	
9	3S20-1		**	**	**	**	**	009	
10	3J26-1		**	**	**	**	**	010	
11			**	**	**	**	**		
12			**	**	**	**	**		
13			**	**	**	**	**		
14			**	**	**	**	**		
15			**	**	**	**	**		

...latest edition of Standard Methods.

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-001
Client Sample ID 3D12-2
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.5	0.1		s.u.	04/20/2005 1231 KA	EPA 150.1
Electrical Conductivity	861	5		µmhos/cm	04/20/2005 1231 KA	SM 2510B
Total Dissolved Solids (180)	640	10		mg/L	04/20/2005 1203 GF	SM 2540
Solids, Total Dissolved (Calc)	560	10		mg/L	04/27/2005 1009 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	04/27/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	189	5		mg/L	04/20/2005 1231 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	228	1		mg/L	04/27/2005 1009 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.8	0.1		mg/L	04/25/2005 1116 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/20/2005 1511 RM	EPA 353.2
Radium 226	363±10	0.2		pCi/L	04/29/2005 000 TWP	SM 7500 RA B
Silica as SiO2	18.3	0.1		mg/L	04/21/2005 1051 MH	EPA 200.7
Sodium Adsorption Ratio	3.1	0.1			04/27/2005 1009 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	231	5		mg/L	04/20/2005 1231 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/20/2005 1231 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/20/2005 1231 KA	SM 2320B
Chloride	5	1		mg/L	04/20/2005 1503 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/20/2005 1231 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	04/21/2005 1436 RM	EPA 353.2
Sulfate	249	1		mg/L	04/25/2005 1411 LK	EPA 300.0
Cations						
Calcium	72	1		mg/L	04/21/2005 1051 MH	EPA 200.7
Magnesium	12	1		mg/L	04/21/2005 1051 MH	EPA 200.7
Potassium	2	1		mg/L	04/22/2005 1429 MH	EPA 200.7
Sodium	108	1		mg/L	04/21/2005 1051 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: Karen A Barber for
Wade Nieuwsma, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-001
Client Sample ID 3D12-2
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.79	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Chloride	0.13	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Fluoride	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sulfate	5.18	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Calcium	3.70	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Magnesium	0.95	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Potassium	0.04	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sodium	4.72	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	9.30	0		meq/L	04/27/2005 1009 KA	SM 1030F
Anion Sum	9.11	0		meq/L	04/27/2005 1009 KA	SM 1030F
Cation-Anion Balance	1.02	0		%	04/27/2005 1009 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/21/2005 1051 MH	EPA 200.7
Arsenic	0.027	0.005		mg/L	04/21/2005 1126 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/21/2005 1126 MS	EPA 200.8
Boron	0.06	0.03		mg/L	04/21/2005 1051 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/21/2005 1126 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/21/2005 1051 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/21/2005 1126 MS	EPA 200.8
Iron	1.61	0.05		mg/L	04/21/2005 1051 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/21/2005 1126 MS	EPA 200.8
Manganese	0.16	0.02		mg/L	04/21/2005 1051 MH	EPA 200.7
Mercury	ND	0.001		mg/L	04/22/2005 938 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/21/2005 1126 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/21/2005 1051 MH	EPA 200.7
Selenium	ND	0.005		mg/L	04/21/2005 1126 MS	EPA 200.8
Uranium	0.0902	0.0001		mg/L	04/21/2005 1126 MS	EPA 200.8
Vanadium	0.34	0.02		mg/L	04/21/2005 1126 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/21/2005 1051 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: Karen Bardin for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.
1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-002
Client Sample ID 3N25-1
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	04/20/2005 1243 KA	EPA 150.1
Electrical Conductivity	466	5		µmhos/cm	04/20/2005 1243 KA	SM 2510B
Total Dissolved Solids (180)	290	10		mg/L	04/20/2005 1207 GF	SM 2540
Solids, Total Dissolved (Calc)	290	10		mg/L	04/27/2005 1009 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	04/27/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	118	5		mg/L	04/20/2005 1243 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	49	1		mg/L	04/27/2005 1009 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.3	0.1		mg/L	04/25/2005 1117 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/20/2005 1512 RM	EPA 353.2
Radium 226	165.0±7.2	0.2		pCi/L	04/29/2005 000 TWP	SM 7500 RA B
Silica as SiO2	14.5	0.1		mg/L	04/21/2005 1055 MH	EPA 200.7
Sodium Adsorption Ratio	5.4	0.1			04/27/2005 1009 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	145	5		mg/L	04/20/2005 1243 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/20/2005 1243 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/20/2005 1243 KA	SM 2320B
Chloride	5	1		mg/L	04/20/2005 1530 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/20/2005 1243 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	04/21/2005 1437 RM	EPA 353.2
Sulfate	111	1		mg/L	04/25/2005 1425 LK	EPA 300.0
Cations						
Calcium	14	1		mg/L	04/22/2005 1433 MH	EPA 200.7
Magnesium	3	1		mg/L	04/22/2005 1433 MH	EPA 200.7
Potassium	1	1		mg/L	04/22/2005 1433 MH	EPA 200.7
Sodium	86	1		mg/L	04/21/2005 1055 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: Karen Baden for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.
1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-002
Client Sample ID 3N25-1
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 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	04/27/2005 1009 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Chloride	0.14	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Fluoride	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sulfate	2.31	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Calcium	0.71	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Magnesium	0.26	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Potassium	0.03	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sodium	3.75	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	4.75	0		meq/L	04/27/2005 1009 KA	SM 1030F
Anion Sum	4.83	0		meq/L	04/27/2005 1009 KA	SM 1030F
Cation-Anion Balance	0.76	0		%	04/27/2005 1009 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/21/2005 1055 MH	EPA 200.7
Arsenic	0.018	0.005		mg/L	04/21/2005 1134 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/21/2005 1134 MS	EPA 200.8
Boron	0.07	0.03		mg/L	04/21/2005 1055 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/21/2005 1134 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/21/2005 1055 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/21/2005 1134 MS	EPA 200.8
Iron	0.41	0.05		mg/L	04/21/2005 1055 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/21/2005 1134 MS	EPA 200.8
Manganese	0.05	0.02		mg/L	04/21/2005 1055 MH	EPA 200.7
Mercury	ND	0.001		mg/L	04/22/2005 940 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/21/2005 1134 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/21/2005 1055 MH	EPA 200.7
Selenium	ND	0.005		mg/L	04/21/2005 1134 MS	EPA 200.8
Uranium	0.0608	0.0001		mg/L	04/21/2005 1134 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	04/21/2005 1134 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/21/2005 1055 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: Karen A Baden for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-003
Client Sample ID 3L20-1
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	04/20/2005 1254 KA	EPA 150.1
Electrical Conductivity	461	5		µmhos/cm	04/20/2005 1254 KA	SM 2510B
Total Dissolved Solids (180)	290	10		mg/L	04/20/2005 1209 GF	SM 2540
Solids, Total Dissolved (Calc)	300	10		mg/L	04/27/2005 1009 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	04/27/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	108	5		mg/L	04/20/2005 1254 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	85	1		mg/L	04/27/2005 1009 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.5	0.1		mg/L	04/25/2005 1118 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/20/2005 1513 RM	EPA 353.2
Radium 226	53.7±4.1	0.2		pCi/L	04/29/2005 000 TWP	SM 7500 RA B
Silica as SiO2	10.6	0.1		mg/L	04/21/2005 1059 MH	EPA 200.7
Sodium Adsorption Ratio	3.3	0.1			04/27/2005 1009 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	131	5		mg/L	04/20/2005 1254 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/20/2005 1254 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/20/2005 1254 KA	SM 2320B
Chloride	4	1		mg/L	04/20/2005 1543 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/20/2005 1254 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	04/21/2005 1438 RM	EPA 353.2
Sulfate	124	1		mg/L	04/25/2005 1438 LK	EPA 300.0
Cations						
Calcium	29	1		mg/L	04/22/2005 1437 MH	EPA 200.7
Magnesium	3	1		mg/L	04/21/2005 1059 MH	EPA 200.7
Potassium	ND	1		mg/L	04/22/2005 1437 MH	EPA 200.7
Sodium	71	1		mg/L	04/21/2005 1059 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: Karen Baldwin for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-003
Client Sample ID 3L20-1
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.15	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Chloride	0.12	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Fluoride	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sulfate	2.59	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Calcium	1.43	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Magnesium	0.26	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Potassium	0.02	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sodium	3.04	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	4.81	0		meq/L	04/27/2005 1009 KA	SM 1030F
Anion Sum	4.86	0		meq/L	04/27/2005 1009 KA	SM 1030F
Cation-Anion Balance	0.52	0		%	04/27/2005 1009 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/21/2005 1059 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	04/21/2005 1137 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/21/2005 1137 MS	EPA 200.8
Boron	0.06	0.03		mg/L	04/21/2005 1059 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/21/2005 1137 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/21/2005 1059 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/21/2005 1137 MS	EPA 200.8
Iron	ND	0.05		mg/L	04/21/2005 1059 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/21/2005 1137 MS	EPA 200.8
Manganese	0.02	0.02		mg/L	04/21/2005 1059 MH	EPA 200.7
Mercury	ND	0.001		mg/L	04/22/2005 941 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/21/2005 1137 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/21/2005 1059 MH	EPA 200.7
Selenium	ND	0.005		mg/L	04/21/2005 1137 MS	EPA 200.8
Uranium	0.0107	0.0001		mg/L	04/21/2005 1137 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	04/21/2005 1137 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/21/2005 1059 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: Karen Baldwin
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-004
Client Sample ID 3T37-1
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	04/20/2005 1306 KA	EPA 150.1
Electrical Conductivity	654	5		µmhos/cm	04/20/2005 1306 KA	SM 2510B
Total Dissolved Solids (180)	460	10		mg/L	04/20/2005 1211 GF	SM 2540
Solids, Total Dissolved (Calc)	420	10		mg/L	04/27/2005 1009 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	04/27/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	104	5		mg/L	04/20/2005 1306 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	131	1		mg/L	04/27/2005 1009 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.3	0.1		mg/L	04/25/2005 1119 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/20/2005 1514 RM	EPA 353.2
Radium 226	187.1±7.7	0.2		pCi/L	04/29/2005 000 TWP	SM 7500 RA B
Silica as SiO2	14.3	0.1		mg/L	04/21/2005 1107 MH	EPA 200.7
Sodium Adsorption Ratio	3.6	0.1			04/27/2005 1009 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	127	5		mg/L	04/20/2005 1306 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/20/2005 1306 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/20/2005 1306 KA	SM 2320B
Chloride	4	1		mg/L	04/20/2005 1556 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/20/2005 1306 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	04/21/2005 1439 RM	EPA 353.2
Sulfate	208	1		mg/L	04/20/2005 1556 LK	EPA 300.0
Cations						
Calcium	45	1		mg/L	04/21/2005 1107 MH	EPA 200.7
Magnesium	5	1		mg/L	04/21/2005 1107 MH	EPA 200.7
Potassium	1	1		mg/L	04/21/2005 1107 MH	EPA 200.7
Sodium	95	1		mg/L	04/21/2005 1107 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: Karen A Boulton for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-004
Client Sample ID 3T37-1
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.08	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Chloride	0.10	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Fluoride	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sulfate	4.32	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Calcium	2.24	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Magnesium	0.36	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Potassium	0.02	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sodium	4.13	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	6.77	0		meq/L	04/27/2005 1009 KA	SM 1030F
Anion Sum	6.52	0		meq/L	04/27/2005 1009 KA	SM 1030F
Cation-Anion Balance	1.93	0		%	04/27/2005 1009 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/21/2005 1107 MH	EPA 200.7
Arsenic	0.006	0.005		mg/L	04/21/2005 1140 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/21/2005 1140 MS	EPA 200.8
Boron	0.06	0.03		mg/L	04/21/2005 1107 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/21/2005 1140 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/21/2005 1107 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/21/2005 1140 MS	EPA 200.8
Iron	0.51	0.05		mg/L	04/21/2005 1107 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/21/2005 1140 MS	EPA 200.8
Manganese	0.16	0.02		mg/L	04/21/2005 1107 MH	EPA 200.7
Mercury	ND	0.001		mg/L	04/22/2005 943 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/21/2005 1140 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/21/2005 1107 MH	EPA 200.7
Selenium	ND	0.005		mg/L	04/21/2005 1140 MS	EPA 200.8
Uranium	0.0089	0.0001		mg/L	04/21/2005 1140 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	04/21/2005 1140 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/21/2005 1107 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: Karen Bath for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.
1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-005
Client Sample ID 3U45-1
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.3	0.1		s.u.	04/20/2005 1318 KA	EPA 150.1
Electrical Conductivity	743	5		µmhos/cm	04/20/2005 1318 KA	SM 2510B
Total Dissolved Solids (180)	520	10		mg/L	04/20/2005 1213 GF	SM 2540
Solids, Total Dissolved (Calc)	480	10		mg/L	04/27/2005 1009 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	04/27/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	198	5		mg/L	04/20/2005 1318 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	156	1		mg/L	04/27/2005 1009 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.3	0.1		mg/L	04/25/2005 1120 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/20/2005 1515 RM	EPA 353.2
Radium 226	318±10	0.2		pCi/L	04/29/2005 000 TWP	SM 7500 RA B
Silica as SiO2	25.8	0.1		mg/L	04/21/2005 1111 MH	EPA 200.7
Sodium Adsorption Ratio	4.0	0.1			04/27/2005 1009 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	242	5		mg/L	04/20/2005 1318 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/20/2005 1318 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/20/2005 1318 KA	SM 2320B
Chloride	4	1		mg/L	04/20/2005 1609 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/20/2005 1318 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	04/21/2005 1440 RM	EPA 353.2
Sulfate	183	1		mg/L	04/20/2005 1609 LK	EPA 300.0
Cations						
Calcium	52	1		mg/L	04/21/2005 1111 MH	EPA 200.7
Magnesium	7	1		mg/L	04/21/2005 1111 MH	EPA 200.7
Potassium	1	1		mg/L	04/21/2005 1111 MH	EPA 200.7
Sodium	115	1		mg/L	04/21/2005 1111 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: Karen Kaufman for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-005
Client Sample ID 3U45-1
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.96	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Chloride	0.11	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Fluoride	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sulfate	3.80	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Calcium	2.58	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Magnesium	0.54	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Potassium	0.03	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sodium	4.98	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	8.14	0		meq/L	04/27/2005 1009 KA	SM 1030F
Anion Sum	7.88	0		meq/L	04/27/2005 1009 KA	SM 1030F
Cation-Anion Balance	1.62	0		%	04/27/2005 1009 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/21/2005 1111 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	04/21/2005 1143 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/21/2005 1143 MS	EPA 200.8
Boron	0.07	0.03		mg/L	04/21/2005 1111 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/21/2005 1143 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/21/2005 1111 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/21/2005 1143 MS	EPA 200.8
Iron	0.10	0.05		mg/L	04/21/2005 1111 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/21/2005 1143 MS	EPA 200.8
Manganese	0.19	0.02		mg/L	04/21/2005 1111 MH	EPA 200.7
Mercury	ND	0.001		mg/L	04/22/2005 945 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/21/2005 1143 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/21/2005 1111 MH	EPA 200.7
Selenium	ND	0.005		mg/L	04/21/2005 1143 MS	EPA 200.8
Uranium	0.104	0.0001		mg/L	04/21/2005 1143 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	04/21/2005 1143 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/21/2005 1111 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: Karen A Baudhuin
Wade Nieuwsma, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-006
Client Sample ID 3O37-2
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	04/20/2005 1330 KA	EPA 150.1
Electrical Conductivity	761	5		µmhos/cm	04/20/2005 1330 KA	SM 2510B
Total Dissolved Solids (180)	560	10		mg/L	04/20/2005 1215 GF	SM 2540
Solids, Total Dissolved (Calc)	510	10		mg/L	04/27/2005 1009 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	04/27/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	124	5		mg/L	04/20/2005 1330 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	212	1		mg/L	04/27/2005 1009 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.3	0.1		mg/L	04/25/2005 1121 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/20/2005 1516 RM	EPA 353.2
Radium 226	189.6±7.6	0.2		pCi/L	04/29/2005 000 TWP	SM 7500 RA B
Silica as SiO2	25.3	0.1		mg/L	04/21/2005 1115 MH	EPA 200.7
Sodium Adsorption Ratio	2.6	0.1			04/27/2005 1009 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	152	5		mg/L	04/20/2005 1330 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/20/2005 1330 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/20/2005 1330 KA	SM 2320B
Chloride	8	1		mg/L	04/25/2005 1451 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/20/2005 1330 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	04/21/2005 1448 RM	EPA 353.2
Sulfate	253	1		mg/L	04/25/2005 1451 LK	EPA 300.0
Cations						
Calcium	75	1		mg/L	04/22/2005 1441 MH	EPA 200.7
Magnesium	6	1		mg/L	04/22/2005 1441 MH	EPA 200.7
Potassium	ND	1		mg/L	04/22/2005 1441 MH	EPA 200.7
Sodium	88	1		mg/L	04/22/2005 1441 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: [signature]
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-006
Client Sample ID 3O37-2
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.48	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Chloride	0.23	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Fluoride	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sulfate	5.27	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Calcium	3.76	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Magnesium	0.48	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Potassium	0.02	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sodium	3.84	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	8.11	0		meq/L	04/27/2005 1009 KA	SM 1030F
Anion Sum	8.00	0		meq/L	04/27/2005 1009 KA	SM 1030F
Cation-Anion Balance	0.73	0		%	04/27/2005 1009 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/21/2005 1115 MH	EPA 200.7
Arsenic	0.025	0.005		mg/L	04/21/2005 1146 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/21/2005 1146 MS	EPA 200.8
Boron	0.11	0.03		mg/L	04/21/2005 1115 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/21/2005 1146 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/21/2005 1115 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/21/2005 1146 MS	EPA 200.8
Iron	0.16	0.05		mg/L	04/21/2005 1115 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/21/2005 1146 MS	EPA 200.8
Manganese	0.05	0.02		mg/L	04/21/2005 1115 MH	EPA 200.7
Mercury	ND	0.001		mg/L	04/22/2005 946 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/21/2005 1146 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/21/2005 1115 MH	EPA 200.7
Selenium	0.006	0.005		mg/L	04/21/2005 1146 MS	EPA 200.8
Uranium	0.0842	0.0001		mg/L	04/21/2005 1146 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	04/21/2005 1146 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/21/2005 1115 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.
1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-007
Client Sample ID 3L16-1
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.0	0.1		s.u.	04/20/2005 1341 KA	EPA 150.1
Electrical Conductivity	428	5		µmhos/cm	04/20/2005 1341 KA	SM 2510B
Total Dissolved Solids (180)	270	10		mg/L	04/20/2005 1217 GF	SM 2540
Solids, Total Dissolved (Calc)	250	10		mg/L	04/27/2005 1009 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	04/27/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	128	5		mg/L	04/20/2005 1341 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	60	1		mg/L	04/27/2005 1009 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.5	0.1		mg/L	04/25/2005 1128 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/20/2005 1517 RM	EPA 353.2
Radium 226	48.1±3.8	0.2		pCi/L	04/29/2005 000 TWP	SM 7500 RA B
Silica as SiO2	11.9	0.1		mg/L	04/21/2005 1118 MH	EPA 200.7
Sodium Adsorption Ratio	4.1	0.1			04/27/2005 1009 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	156	5		mg/L	04/20/2005 1341 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/20/2005 1341 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/20/2005 1341 KA	SM 2320B
Chloride	6	1		mg/L	04/20/2005 1716 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/20/2005 1341 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	04/21/2005 1449 RM	EPA 353.2
Sulfate	70	1		mg/L	04/20/2005 1716 LK	EPA 300.0
Cations						
Calcium	22	1		mg/L	04/21/2005 1118 MH	EPA 200.7
Magnesium	1	1		mg/L	04/21/2005 1118 MH	EPA 200.7
Potassium	ND	1		mg/L	04/21/2005 1118 MH	EPA 200.7
Sodium	72	1		mg/L	04/21/2005 1118 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: Karen A Boudreau
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-007
Client Sample ID 3L16-1
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.55	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Chloride	0.17	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Fluoride	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sulfate	1.45	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Calcium	1.07	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Magnesium	0.11	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Potassium	0.01	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sodium	3.13	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	4.34	0		meq/L	04/27/2005 1009 KA	SM 1030F
Anion Sum	4.19	0		meq/L	04/27/2005 1009 KA	SM 1030F
Cation-Anion Balance	1.72	0		%	04/27/2005 1009 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/21/2005 1118 MH	EPA 200.7
Arsenic	0.014	0.005		mg/L	04/21/2005 1149 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/21/2005 1149 MS	EPA 200.8
Boron	0.06	0.03		mg/L	04/21/2005 1118 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/21/2005 1149 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/21/2005 1118 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/21/2005 1149 MS	EPA 200.8
Iron	0.15	0.05		mg/L	04/21/2005 1118 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/21/2005 1149 MS	EPA 200.8
Manganese	ND	0.02		mg/L	04/21/2005 1118 MH	EPA 200.7
Mercury	ND	0.001		mg/L	04/22/2005 948 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/21/2005 1149 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/21/2005 1118 MH	EPA 200.7
Selenium	ND	0.005		mg/L	04/21/2005 1149 MS	EPA 200.8
Uranium	0.0993	0.0001		mg/L	04/21/2005 1149 MS	EPA 200.8
Vanadium	0.09	0.02		mg/L	04/21/2005 1149 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/21/2005 1118 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: Karen Banning
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-008
Client Sample ID 3T27-2
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.3	0.1		s.u.	04/20/2005 1405 KA	EPA 150.1
Electrical Conductivity	667	5		µmhos/cm	04/20/2005 1405 KA	SM 2510B
Total Dissolved Solids (180)	440	10		mg/L	04/20/2005 1219 GF	SM 2540
Solids, Total Dissolved (Calc)	420	10		mg/L	04/27/2005 1009 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	04/27/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	165	5		mg/L	04/20/2005 1405 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	122	1		mg/L	04/27/2005 1009 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.2	0.1		mg/L	04/25/2005 1129 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/20/2005 1518 RM	EPA 353.2
Radium 226	136.2±6.4	0.2		pCi/L	04/29/2005 000 TWP	SM 7500 RA B
Silica as SiO2	20.5	0.1		mg/L	04/21/2005 1134 MH	EPA 200.7
Sodium Adsorption Ratio	4.1	0.1			04/27/2005 1009 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	201	5		mg/L	04/20/2005 1405 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/20/2005 1405 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/20/2005 1405 KA	SM 2320B
Chloride	4	1		mg/L	04/20/2005 1729 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/20/2005 1405 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	04/21/2005 1450 RM	EPA 353.2
Sulfate	162	1		mg/L	04/20/2005 1729 LK	EPA 300.0
Cations						
Calcium	39	1		mg/L	04/21/2005 1134 MH	EPA 200.7
Magnesium	6	1		mg/L	04/21/2005 1134 MH	EPA 200.7
Potassium	1	1		mg/L	04/21/2005 1134 MH	EPA 200.7
Sodium	105	1		mg/L	04/21/2005 1134 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: Karen A Baudhuin
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-008
Client Sample ID 3T27-2
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 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	04/27/2005 1009 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Chloride	0.12	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Fluoride	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sulfate	3.37	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Calcium	1.92	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Magnesium	0.50	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Potassium	0.03	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sodium	4.56	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	7.03	0		meq/L	04/27/2005 1009 KA	SM 1030F
Anion Sum	6.79	0		meq/L	04/27/2005 1009 KA	SM 1030F
Cation-Anion Balance	1.75	0		%	04/27/2005 1009 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/21/2005 1134 MH	EPA 200.7
Arsenic	0.016	0.005		mg/L	04/21/2005 1151 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/21/2005 1151 MS	EPA 200.8
Boron	0.08	0.03		mg/L	04/21/2005 1134 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/21/2005 1151 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/21/2005 1134 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/21/2005 1151 MS	EPA 200.8
Iron	0.80	0.05		mg/L	04/21/2005 1134 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/21/2005 1151 MS	EPA 200.8
Manganese	0.08	0.02		mg/L	04/21/2005 1134 MH	EPA 200.7
Mercury	ND	0.001		mg/L	04/22/2005 950 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/21/2005 1151 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/21/2005 1134 MH	EPA 200.7
Selenium	ND	0.005		mg/L	04/21/2005 1151 MS	EPA 200.8
Uranium	0.0228	0.0001		mg/L	04/21/2005 1151 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	04/21/2005 1151 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/21/2005 1134 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: Karen Baudhuin
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.
1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-009
Client Sample ID 3S20-1
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.4	0.1		s.u.	04/20/2005 1417 KA	EPA 150.1
Electrical Conductivity	753	5		µmhos/cm	04/20/2005 1417 KA	SM 2510B
Total Dissolved Solids (180)	530	10		mg/L	04/20/2005 1221 GF	SM 2540
Solids, Total Dissolved (Calc)	480	10		mg/L	04/27/2005 1009 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	04/27/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	68	5		mg/L	04/20/2005 1417 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	149	1		mg/L	04/27/2005 1009 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.2	0.1		mg/L	04/25/2005 1130 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/20/2005 1519 RM	EPA 353.2
Radium 226	339±10	0.2		pCi/L	04/29/2005 000 TWP	SM 7500 RA B
Silica as SiO2	17.7	0.1		mg/L	04/21/2005 1142 MH	EPA 200.7
Sodium Adsorption Ratio	3.7	0.1			04/27/2005 1009 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	84	5		mg/L	04/20/2005 1417 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/20/2005 1417 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/20/2005 1417 KA	SM 2320B
Chloride	4	1		mg/L	04/25/2005 1504 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/20/2005 1417 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	04/21/2005 1451 RM	EPA 353.2
Sulfate	275	1		mg/L	04/26/2005 930 LK	EPA 300.0
Cations						
Calcium	49	1		mg/L	04/21/2005 1142 MH	EPA 200.7
Magnesium	7	1		mg/L	04/22/2005 1445 MH	EPA 200.7
Potassium	1	1		mg/L	04/22/2005 1445 MH	EPA 200.7
Sodium	103	1		mg/L	04/21/2005 1142 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: Karen Bandy
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-009
Client Sample ID 3S20-1
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	1.36	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Chloride	0.09	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Fluoride	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sulfate	5.73	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Calcium	2.50	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Magnesium	0.53	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Potassium	0.02	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sodium	4.53	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	7.48	0		meq/L	04/27/2005 1009 KA	SM 1030F
Anion Sum	7.21	0		meq/L	04/27/2005 1009 KA	SM 1030F
Cation-Anion Balance	1.80	0		%	04/27/2005 1009 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/21/2005 1142 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	04/21/2005 1154 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/21/2005 1154 MS	EPA 200.8
Boron	0.07	0.03		mg/L	04/21/2005 1142 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/21/2005 1154 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/21/2005 1142 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/21/2005 1154 MS	EPA 200.8
Iron	0.07	0.05		mg/L	04/21/2005 1142 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/21/2005 1154 MS	EPA 200.8
Manganese	0.09	0.02		mg/L	04/21/2005 1142 MH	EPA 200.7
Mercury	ND	0.001		mg/L	04/22/2005 951 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/21/2005 1154 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/21/2005 1142 MH	EPA 200.7
Selenium	ND	0.005		mg/L	04/21/2005 1154 MS	EPA 200.8
Uranium	0.0049	0.0001		mg/L	04/21/2005 1154 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	04/21/2005 1154 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/21/2005 1142 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: Karen A Bauer for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-010
Client Sample ID 3J26-1
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.3	0.1		s.u.	04/20/2005 1430 KA	EPA 150.1
Electrical Conductivity	808	5		µmhos/cm	04/20/2005 1430 KA	SM 2510B
Total Dissolved Solids (180)	570	10		mg/L	04/20/2005 1223 GF	SM 2540
Solids, Total Dissolved (Calc)	510	10		mg/L	04/27/2005 1009 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	04/27/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	112	5		mg/L	04/20/2005 1430 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	106	1		mg/L	04/27/2005 1009 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.4	0.1		mg/L	04/25/2005 1131 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/20/2005 1520 RM	EPA 353.2
Radium 226	231.6±9.9	0.2		pCi/L	04/29/2005 000 TWP	SM 7500 RA B
Silica as SiO2	22.7	0.1		mg/L	04/21/2005 1146 MH	EPA 200.7
Sodium Adsorption Ratio	5.7	0.1			04/27/2005 1009 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	137	5		mg/L	04/20/2005 1430 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/20/2005 1430 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/20/2005 1430 KA	SM 2320B
Chloride	5	1		mg/L	04/20/2005 1755 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/20/2005 1430 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	04/21/2005 1452 RM	EPA 353.2
Sulfate	261	1		mg/L	04/20/2005 1755 LK	EPA 300.0
Cations						
Calcium	32	1		mg/L	04/21/2005 1146 MH	EPA 200.7
Magnesium	7	1		mg/L	04/21/2005 1146 MH	EPA 200.7
Potassium	2	1		mg/L	04/21/2005 1146 MH	EPA 200.7
Sodium	136	1		mg/L	04/21/2005 1146 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: Karen Baudhuin
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.
1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/2/2005
Report ID: S0504205001

Project: Cogema Christensen Mine
Lab ID: S0504205-010
Client Sample ID 3J26-1
Matrix: Water

Work Order: S0504205
Collection Date: 4/19/2005
Date Received: 4/19/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.24	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Chloride	0.14	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Fluoride	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sulfate	5.42	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Calcium	1.58	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Magnesium	0.54	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Potassium	0.04	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Sodium	5.91	0.01		meq/L	04/27/2005 1009 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	8.08	0		meq/L	04/27/2005 1009 KA	SM 1030F
Anion Sum	7.82	0		meq/L	04/27/2005 1009 KA	SM 1030F
Cation-Anion Balance	1.66	0		%	04/27/2005 1009 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/21/2005 1146 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	04/21/2005 1157 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/21/2005 1157 MS	EPA 200.8
Boron	0.06	0.03		mg/L	04/21/2005 1146 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/21/2005 1157 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/21/2005 1146 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/21/2005 1157 MS	EPA 200.8
Iron	0.15	0.05		mg/L	04/21/2005 1146 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/21/2005 1157 MS	EPA 200.8
Manganese	0.09	0.02		mg/L	04/21/2005 1146 MH	EPA 200.7
Mercury	ND	0.001		mg/L	04/22/2005 953 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/21/2005 1157 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/21/2005 1146 MH	EPA 200.7
Selenium	ND	0.005		mg/L	04/21/2005 1157 MS	EPA 200.8
Uranium	0.0236	0.0001		mg/L	04/21/2005 1157 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	04/21/2005 1157 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/21/2005 1146 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: Karen A Bandy
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 4-27-05 Received by [illegible] Date 4-27-05 1700

Restoration Sample Description

Location: X Irigaray ___ Christensen Mine or Production Unit 3 Module # (if applicale) ___

Restoration Phase:
___ Groundwater Sweep (explain ___)
___ Reverse Osmosis Filtration (explain ___)
___ Recirculation (explain ___)
X Stabilization (explain Round 3 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	Labid Comments
1	4H7-1	4-26-05	Half Gal.	X		X		5050427B-001
			Quart	X				"
			8 ozs.		X			"
			8 ozs.	X			X	"
2	4K9-1		**	**	**	**	**	002
3	3AA57-1		**	**	**	**	**	003
4	3Q22-1		**	**	**	**	**	004
5	3Z87-1		**	**	**	**	**	005
6			**	**	**	**	**	
7			**	**	**	**	**	
8			**	**	**	**	**	
9			**	**	**	**	**	
10			**	**	**	**	**	
11			**	**	**	**	**	
12			**	**	**	**	**	
13			**	**	**	**	**	
14			**	**	**	**	**	
15			**	**	**	**	**	

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

L:\LARRY\[pvdsub.xls]pvdsub

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/19/2005
Report ID: S0504278001

Project: Cogema Christensen Mine
Lab ID: S0504278-001
Client Sample ID 4H7-1
Matrix: Water

Work Order: S0504278
Collection Date: 4/26/2005
Date Received: 4/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.5	0.1		s.u.	04/28/2005 1538 KA	EPA 150.1
Electrical Conductivity	629	5		µmhos/cm	04/28/2005 1538 KA	SM 2510B
Total Dissolved Solids (180)	410	10		mg/L	04/28/2005 1629 GF	SM 2540
Solids, Total Dissolved (Calc)	400	10		mg/L	05/04/2005 1137 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	05/04/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	104	5		mg/L	04/28/2005 1538 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	26	1		mg/L	05/04/2005 1137 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.5	0.1		mg/L	04/28/2005 1439 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/28/2005 929 RM	EPA 353.2
Radium 226	13.6±1.9	0.2		pCi/L	05/02/2005 000 TWP	SM 7500 RA B
Silica as SiO2	9.3	0.1		mg/L	04/28/2005 1040 MH	EPA 200.7
Sodium Adsorption Ratio	11.4	0.1			05/04/2005 1137 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	121	5		mg/L	04/28/2005 1538 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/28/2005 1538 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/28/2005 1538 KA	SM 2320B
Chloride	8	1		mg/L	04/28/2005 1144 LK	EPA 300.0
Fluoride	0.2	0.1		mg/L	04/28/2005 1538 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	05/03/2005 2215 RM	EPA 353.2
Sulfate	185	1		mg/L	04/28/2005 1144 LK	EPA 300.0
Cations						
Calcium	8	1		mg/L	05/02/2005 756 MH	EPA 200.7
Magnesium	1	1		mg/L	05/02/2005 756 MH	EPA 200.7
Potassium	2	1		mg/L	05/02/2005 756 MH	EPA 200.7
Sodium	133	1		mg/L	05/02/2005 756 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: Karen Balda for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/19/2005
Report ID: S0504278001

Project: Cogema Christensen Mine
Lab ID: S0504278-001
Client Sample ID 4H7-1
Matrix: Water

Work Order: S0504278
Collection Date: 4/26/2005
Date Received: 4/27/2005 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	05/04/2005 1137 KA	SM 1030F
Carbonate as CO3	0.11	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Chloride	0.21	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Fluoride	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Sulfate	3.84	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Calcium	0.41	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Magnesium	0.10	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Potassium	0.04	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Sodium	5.77	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	6.33	0		meq/L	05/04/2005 1137 KA	SM 1030F
Anion Sum	6.15	0		meq/L	05/04/2005 1137 KA	SM 1030F
Cation-Anion Balance	1.47	0		%	05/04/2005 1137 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/28/2005 1040 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	04/28/2005 1145 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/28/2005 1145 MS	EPA 200.8
Boron	ND	0.03		mg/L	04/28/2005 1040 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/28/2005 1145 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/28/2005 1040 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/28/2005 1145 MS	EPA 200.8
Iron	ND	0.05		mg/L	04/28/2005 1040 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/28/2005 1145 MS	EPA 200.8
Manganese	ND	0.02		mg/L	04/28/2005 1040 MH	EPA 200.7
Mercury	ND	0.001		mg/L	05/03/2005 1056 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/28/2005 1145 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/28/2005 1040 MH	EPA 200.7
Selenium	ND	0.005		mg/L	04/28/2005 1145 MS	EPA 200.8
Uranium	0.0190	0.0001		mg/L	04/28/2005 1145 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	04/28/2005 1145 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/28/2005 1040 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: Karen A Bader for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/19/2005
Report ID: S0504278001

Project: Cogema Christensen Mine
Lab ID: S0504278-002
Client Sample ID 4K9-1
Matrix: Water

Work Order: S0504278
Collection Date: 4/26/2005
Date Received: 4/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.2	0.1		s.u.	04/28/2005 1556 KA	EPA 150.1
Electrical Conductivity	692	5		µmhos/cm	04/28/2005 1556 KA	SM 2510B
Total Dissolved Solids (180)	470	10		mg/L	04/28/2005 1631 GF	SM 2540
Solids, Total Dissolved (Calc)	470	10		mg/L	05/04/2005 1137 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	05/04/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	141	5		mg/L	04/28/2005 1556 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	46	1		mg/L	05/04/2005 1137 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.2	0.1		mg/L	04/28/2005 1440 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/28/2005 930 RM	EPA 353.2
Radium 226	17.1±2.2	0.2		pCi/L	05/02/2005 000 TWP	SM 7500 RA B
Silica as SiO2	5.6	0.1		mg/L	04/28/2005 1044 MH	EPA 200.7
Sodium Adsorption Ratio	9.6	0.1			05/04/2005 1137 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	172	5		mg/L	04/28/2005 1556 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/28/2005 1556 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/28/2005 1556 KA	SM 2320B
Chloride	9	1		mg/L	05/03/2005 2146 LK	EPA 300.0
Fluoride	0.2	0.1		mg/L	04/28/2005 1556 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	05/03/2005 2216 RM	EPA 353.2
Sulfate	208	1		mg/L	05/03/2005 2146 LK	EPA 300.0
Cations						
Calcium	15	1		mg/L	05/02/2005 800 MH	EPA 200.7
Magnesium	2	1		mg/L	05/02/2005 800 MH	EPA 200.7
Potassium	3	1		mg/L	05/02/2005 800 MH	EPA 200.7
Sodium	150	1		mg/L	05/02/2005 800 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: Karen A Baldwin

Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/19/2005
Report ID: S0504278001

Project: Cogema Christensen Mine
Lab ID: S0504278-002
Client Sample ID 4K9-1
Matrix: Water

Work Order: S0504278
Collection Date: 4/26/2005
Date Received: 4/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.81	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Chloride	0.26	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Fluoride	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Sulfate	4.33	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Calcium	0.72	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Magnesium	0.19	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Potassium	0.06	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Sodium	6.51	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	7.49	0		meq/L	05/04/2005 1137 KA	SM 1030F
Anion Sum	7.41	0		meq/L	05/04/2005 1137 KA	SM 1030F
Cation-Anion Balance	0.54	0		%	05/04/2005 1137 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/28/2005 1044 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	04/28/2005 1153 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/28/2005 1153 MS	EPA 200.8
Boron	ND	0.03		mg/L	04/28/2005 1044 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/28/2005 1153 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/28/2005 1044 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/28/2005 1153 MS	EPA 200.8
Iron	ND	0.05		mg/L	04/28/2005 1044 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/28/2005 1153 MS	EPA 200.8
Manganese	ND	0.02		mg/L	04/28/2005 1044 MH	EPA 200.7
Mercury	ND	0.001		mg/L	05/03/2005 1058 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/28/2005 1153 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/28/2005 1044 MH	EPA 200.7
Selenium	0.334	0.005		mg/L	04/28/2005 1153 MS	EPA 200.8
Uranium	1.09	0.0001		mg/L	04/28/2005 1153 MS	EPA 200.8
Vanadium	0.07	0.02		mg/L	04/28/2005 1153 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/28/2005 1044 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: Karen A Boehnke
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/19/2005
Report ID: S0504278001

Project: Cogema Christensen Mine
Lab ID: S0504278-003
Client Sample ID 3AA57-1
Matrix: Water

Work Order: S0504278
Collection Date: 4/26/2005
Date Received: 4/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	04/28/2005 1607 KA	EPA 150.1
Electrical Conductivity	601	5		µmhos/cm	04/28/2005 1607 KA	SM 2510B
Total Dissolved Solids (180)	410	10		mg/L	04/28/2005 1633 GF	SM 2540
Solids, Total Dissolved (Calc)	390	10		mg/L	05/04/2005 1137 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	05/04/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	221	5		mg/L	04/28/2005 1607 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	113	1		mg/L	05/04/2005 1137 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.2	0.1		mg/L	04/28/2005 1441 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/28/2005 931 RM	EPA 353.2
Radium 226	96.2±5.2	0.2		pCi/L	05/02/2005 000 TWP	SM 7500 RA B
Silica as SiO2	12.0	0.1		mg/L	04/28/2005 1052 MH	EPA 200.7
Sodium Adsorption Ratio	4.3	0.1			05/04/2005 1137 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	269	5		mg/L	04/28/2005 1607 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/28/2005 1607 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/28/2005 1607 KA	SM 2320B
Chloride	4	1		mg/L	04/28/2005 1211 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/28/2005 1607 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	05/03/2005 2217 RM	EPA 353.2
Sulfate	104	1		mg/L	04/28/2005 1211 LK	EPA 300.0
Cations						
Calcium	34	1		mg/L	04/28/2005 1052 MH	EPA 200.7
Magnesium	7	1		mg/L	04/28/2005 1052 MH	EPA 200.7
Potassium	2	1		mg/L	04/28/2005 1052 MH	EPA 200.7
Sodium	105	1		mg/L	04/28/2005 1052 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: Karen Banks for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/19/2005
Report ID: S0504278001

Project: Cogema Christensen Mine
Lab ID: S0504278-003
Client Sample ID 3AA57-1
Matrix: Water

Work Order: S0504278
Collection Date: 4/26/2005
Date Received: 4/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.41	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Chloride	0.11	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Fluoride	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Sulfate	2.16	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Calcium	1.68	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Magnesium	0.57	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Potassium	0.04	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Sodium	4.57	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	6.87	0		meq/L	05/04/2005 1137 KA	SM 1030F
Anion Sum	6.69	0		meq/L	05/04/2005 1137 KA	SM 1030F
Cation-Anion Balance	1.32	0		%	05/04/2005 1137 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/28/2005 1052 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	04/28/2005 1156 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/28/2005 1156 MS	EPA 200.8
Boron	0.05	0.03		mg/L	04/28/2005 1052 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/28/2005 1156 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/28/2005 1052 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/28/2005 1156 MS	EPA 200.8
Iron	0.09	0.05		mg/L	04/28/2005 1052 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/28/2005 1156 MS	EPA 200.8
Manganese	0.10	0.02		mg/L	04/28/2005 1052 MH	EPA 200.7
Mercury	ND	0.001		mg/L	05/03/2005 1100 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/28/2005 1156 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/28/2005 1052 MH	EPA 200.7
Selenium	ND	0.005		mg/L	04/28/2005 1156 MS	EPA 200.8
Uranium	0.507	0.0001		mg/L	04/28/2005 1156 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	04/28/2005 1156 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/28/2005 1052 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: Karen Abarca for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/19/2005
Report ID: S0504278001

Project: Cogema Christensen Mine
Lab ID: S0504278-004
Client Sample ID 3Q22-1
Matrix: Water

Work Order: S0504278
Collection Date: 4/26/2005
Date Received: 4/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	04/28/2005 1620 KA	EPA 150.1
Electrical Conductivity	709	5		µmhos/cm	04/28/2005 1620 KA	SM 2510B
Total Dissolved Solids (180)	490	10		mg/L	04/28/2005 1635 GF	SM 2540
Solids, Total Dissolved (Calc)	470	10		mg/L	05/04/2005 1137 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	05/04/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	211	5		mg/L	04/28/2005 1620 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	166	1		mg/L	05/04/2005 1137 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.6	0.1		mg/L	04/28/2005 1442 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/28/2005 932 RM	EPA 353.2
Radium 226	355.9±9.9	0.2		pCi/L	05/02/2005 000 TWP	SM 7500 RA B
Silica as SiO2	12.7	0.1		mg/L	04/28/2005 1100 MH	EPA 200.7
Sodium Adsorption Ratio	3.7	0.1			05/04/2005 1137 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	257	5		mg/L	04/28/2005 1620 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/28/2005 1620 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/28/2005 1620 KA	SM 2320B
Chloride	8	1		mg/L	04/28/2005 1224 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/28/2005 1620 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	05/03/2005 2218 RM	EPA 353.2
Sulfate	163	1		mg/L	04/28/2005 1224 LK	EPA 300.0
Cations						
Calcium	55	1		mg/L	05/02/2005 804 MH	EPA 200.7
Magnesium	7	1		mg/L	05/02/2005 804 MH	EPA 200.7
Potassium	2	1		mg/L	05/02/2005 804 MH	EPA 200.7
Sodium	110	1		mg/L	04/28/2005 1100 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: Karen A Banks for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/19/2005
Report ID: S0504278001

Project: Cogema Christensen Mine
Lab ID: S0504278-004
Client Sample ID 3Q22-1
Matrix: Water

Work Order: S0504278
Collection Date: 4/26/2005
Date Received: 4/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	4.21	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Chloride	0.22	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Fluoride	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Sulfate	3.38	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Calcium	2.71	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Magnesium	0.59	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Potassium	0.04	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Sodium	4.77	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	8.13	0		meq/L	05/04/2005 1137 KA	SM 1030F
Anion Sum	7.83	0		meq/L	05/04/2005 1137 KA	SM 1030F
Cation-Anion Balance	1.88	0		%	05/04/2005 1137 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/28/2005 1100 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	04/28/2005 1159 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/28/2005 1159 MS	EPA 200.8
Boron	0.04	0.03		mg/L	04/28/2005 1100 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/28/2005 1159 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/28/2005 1100 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/28/2005 1159 MS	EPA 200.8
Iron	0.19	0.05		mg/L	04/28/2005 1100 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/28/2005 1159 MS	EPA 200.8
Manganese	0.08	0.02		mg/L	04/28/2005 1100 MH	EPA 200.7
Mercury	ND	0.001		mg/L	05/03/2005 1105 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/28/2005 1159 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/28/2005 1100 MH	EPA 200.7
Selenium	ND	0.005		mg/L	04/28/2005 1159 MS	EPA 200.8
Uranium	0.142	0.0001		mg/L	04/28/2005 1159 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	04/28/2005 1159 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/28/2005 1100 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: Karen A Banks for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/19/2005
Report ID: S0504278001

Project: Cogema Christensen Mine
Lab ID: S0504278-005
Client Sample ID 3Z87-1
Matrix: Water

Work Order: S0504278
Collection Date: 4/26/2005
Date Received: 4/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	04/28/2005 1632 KA	EPA 150.1
Electrical Conductivity	631	5		µmhos/cm	04/28/2005 1632 KA	SM 2510B
Total Dissolved Solids (180)	460	10		mg/L	04/28/2005 1637 GF	SM 2540
Solids, Total Dissolved (Calc)	460	10		mg/L	05/04/2005 1137 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	05/04/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	110	5		mg/L	04/28/2005 1632 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	184	1		mg/L	05/04/2005 1137 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.4	0.1		mg/L	04/28/2005 1443 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/28/2005 933 RM	EPA 353.2
Radium 226	165.3±6.8	0.2		pCi/L	05/02/2005 000 TWP	SM 7500 RA B
Silica as SiO2	13.9	0.1		mg/L	04/28/2005 1104 MH	EPA 200.7
Sodium Adsorption Ratio	2.4	0.1			05/04/2005 1137 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	135	5		mg/L	04/28/2005 1632 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/28/2005 1632 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/28/2005 1632 KA	SM 2320B
Chloride	3	1		mg/L	05/03/2005 2158 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/28/2005 1632 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	05/03/2005 2219 RM	EPA 353.2
Sulfate	237	1		mg/L	05/03/2005 2158 LK	EPA 300.0
Cations						
Calcium	68	1		mg/L	04/28/2005 1104 MH	EPA 200.7
Magnesium	3	1		mg/L	05/02/2005 808 MH	EPA 200.7
Potassium	ND	1		mg/L	05/02/2005 808 MH	EPA 200.7
Sodium	76	1		mg/L	05/02/2005 808 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: Karen Boardman
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/19/2005
Report ID: S0504278001

Project: Cogema Christensen Mine
Lab ID: S0504278-005
Client Sample ID 3Z87-1
Matrix: Water

Work Order: S0504278
Collection Date: 4/26/2005
Date Received: 4/27/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.20	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Chloride	0.09	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Fluoride	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Sulfate	4.93	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Calcium	3.26	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Magnesium	0.27	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Potassium	0.02	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Sodium	3.30	0.01		meq/L	05/04/2005 1137 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	7.00	0		meq/L	05/04/2005 1137 KA	SM 1030F
Anion Sum	7.23	0		meq/L	05/04/2005 1137 KA	SM 1030F
Cation-Anion Balance	1.62	0		%	05/04/2005 1137 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/28/2005 1104 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	04/28/2005 1202 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/28/2005 1202 MS	EPA 200.8
Boron	0.04	0.03		mg/L	04/28/2005 1104 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/28/2005 1202 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/28/2005 1104 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/28/2005 1202 MS	EPA 200.8
Iron	0.10	0.05		mg/L	04/28/2005 1104 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/28/2005 1202 MS	EPA 200.8
Manganese	0.19	0.02		mg/L	04/28/2005 1104 MH	EPA 200.7
Mercury	ND	0.001		mg/L	05/03/2005 1107 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/28/2005 1202 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/28/2005 1104 MH	EPA 200.7
Selenium	ND	0.005		mg/L	04/28/2005 1202 MS	EPA 200.8
Uranium	0.0194	0.0001		mg/L	04/28/2005 1202 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	04/28/2005 1202 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/28/2005 1104 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 4-26-05 Received by Keri Anderson Date 4-26-05 1700

Restoration Sample Description

Location: ___ Irigaray _X_ Christensen Mine or Production Unit 3 Module # (if applicale) _____

Restoration Phase:
___ Groundwater Sweep (explain_____)
___ Reverse Osmosis Filtration (explain_____)
___ Recirculation (explain_____)
_✓_ Stabilization (explain Round 3 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	3W67-1	4-26-05	Half Gal.	X		X		S0509267-001	
			Quart	X					"
			8 ozs.		X				"
			8 ozs.	X			X		"
2	3V58-2		**	**	**	**	**		002
3	3V52-2		**	**	**	**	**		003
4	3G13-1		**	**	**	**	**		004
5	3W75-1		**	**	**	**	**		005
6	3AC82-1		**	**	**	**	**		006
7	4E-6		**	**	**	**	**		007
8			**	**	**	**	**		
9			**	**	**	**	**		
10			**	**	**	**	**		
11			**	**	**	**	**		
12			**	**	**	**	**		
13			**	**	**	**	**		
14			**	**	**	**	**		
15			**	**	**	**	**		

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

L:\LARRY\[pvdsub.xls]pvdsub

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/18/2005
Report ID: S0504267001

Project: Cogema Christensen Mine
Lab ID: S0504267-001
Client Sample ID 3W67-1
Matrix: Water

Work Order: S0504267
Collection Date: 4/26/2005
Date Received: 4/26/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.5	0.1		s.u.	04/27/2005 1421 KA	EPA 150.1
Electrical Conductivity	1120	5		µmhos/cm	04/27/2005 1421 KA	SM 2510B
Total Dissolved Solids (180)	790	10		mg/L	04/28/2005 856 GF	SM 2540
Solids, Total Dissolved (Calc)	750	10		mg/L	04/28/2005 1050 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	05/04/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	363	5		mg/L	04/27/2005 1421 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	223	1		mg/L	04/28/2005 1050 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.2	0.1		mg/L	04/28/2005 1420 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/28/2005 922 RM	EPA 353.2
Radium 226	255.2±8.2	0.2		pCi/L	05/02/2005 000 TWP	SM 7500 RA B
Silica as SiO2	22.4	0.1		mg/L	04/27/2005 1410 MH	EPA 200.7
Sodium Adsorption Ratio	5.9	0.1			04/28/2005 1050 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	444	5		mg/L	04/27/2005 1421 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/27/2005 1421 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/27/2005 1421 KA	SM 2320B
Chloride	15	1		mg/L	04/27/2005 1435 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/27/2005 1421 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	04/29/2005 1434 RM	EPA 353.2
Sulfate	234	1		mg/L	04/27/2005 1435 LK	EPA 300.0
Cations						
Calcium	64	1		mg/L	04/27/2005 1410 MH	EPA 200.7
Magnesium	15	1		mg/L	04/27/2005 1410 MH	EPA 200.7
Potassium	4	1		mg/L	04/27/2005 1410 MH	EPA 200.7
Sodium	203	1		mg/L	04/27/2005 1410 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: Karen Basden for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/18/2005
Report ID: S0504267001

Project: Cogema Christensen Mine
Lab ID: S0504267-001
Client Sample ID 3W67-1
Matrix: Water

Work Order: S0504267
Collection Date: 4/26/2005
Date Received: 4/26/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	7.27	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Chloride	0.42	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Fluoride	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Sulfate	4.87	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Calcium	3.20	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Magnesium	1.25	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Potassium	0.09	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Sodium	8.84	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	13.39	0		meq/L	04/28/2005 1050 KA	SM 1030F
Anion Sum	12.57	0		meq/L	04/28/2005 1050 KA	SM 1030F
Cation-Anion Balance	3.16	0		%	04/28/2005 1050 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/27/2005 1410 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	04/27/2005 1330 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/27/2005 1330 MS	EPA 200.8
Boron	0.09	0.03		mg/L	04/27/2005 1410 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/27/2005 1330 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/27/2005 1410 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/27/2005 1330 MS	EPA 200.8
Iron	0.84	0.05		mg/L	04/27/2005 1410 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/27/2005 1330 MS	EPA 200.8
Manganese	0.30	0.02		mg/L	04/27/2005 1410 MH	EPA 200.7
Mercury	ND	0.001		mg/L	05/03/2005 1036 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/27/2005 1330 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/27/2005 1410 MH	EPA 200.7
Selenium	ND	0.005		mg/L	04/27/2005 1330 MS	EPA 200.8
Uranium	0.0971	0.0001		mg/L	04/27/2005 1330 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	04/27/2005 1330 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/27/2005 1410 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: Karen A Banks for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/18/2005
Report ID: S0504267001

Project: Cogema Christensen Mine
Lab ID: S0504267-002
Client Sample ID 3V58-2
Matrix: Water

Work Order: S0504267
Collection Date: 4/26/2005
Date Received: 4/26/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.8	0.1		s.u.	04/27/2005 1434 KA	EPA 150.1
Electrical Conductivity	861	5		µmhos/cm	04/27/2005 1434 KA	SM 2510B
Total Dissolved Solids (180)	600	10		mg/L	04/28/2005 858 GF	SM 2540
Solids, Total Dissolved (Calc)	550	10		mg/L	04/28/2005 1050 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	05/04/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	284	5		mg/L	04/27/2005 1434 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	137	1		mg/L	04/28/2005 1050 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.4	0.1		mg/L	04/28/2005 1421 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/28/2005 923 RM	EPA 353.2
Radium 226	96.8±5.2	0.2		pCi/L	05/02/2005 000 TWP	SM 7500 RA B
Silica as SiO2	12.3	0.1		mg/L	04/27/2005 1418 MH	EPA 200.7
Sodium Adsorption Ratio	5.7	0.1			04/28/2005 1050 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	347	5		mg/L	04/27/2005 1434 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/27/2005 1434 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/27/2005 1434 KA	SM 2320B
Chloride	13	1		mg/L	04/27/2005 1449 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/27/2005 1434 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	04/29/2005 1435 RM	EPA 353.2
Sulfate	163	1		mg/L	04/27/2005 1449 LK	EPA 300.0
Cations						
Calcium	41	1		mg/L	04/27/2005 1418 MH	EPA 200.7
Magnesium	8	1		mg/L	04/27/2005 1418 MH	EPA 200.7
Potassium	2	1		mg/L	04/27/2005 1418 MH	EPA 200.7
Sodium	153	1		mg/L	04/27/2005 1418 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: Karen A Barker for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/18/2005
Report ID: S0504267001

Project: Cogema Christensen Mine
Lab ID: S0504267-002
Client Sample ID 3V58-2
Matrix: Water

Work Order: S0504267
Collection Date: 4/26/2005
Date Received: 4/26/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	5.68	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Chloride	0.36	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Fluoride	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Sulfate	3.38	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Calcium	2.06	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Magnesium	0.67	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Potassium	0.06	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Sodium	6.67	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	9.47	0		meq/L	04/28/2005 1050 KA	SM 1030F
Anion Sum	9.43	0		meq/L	04/28/2005 1050 KA	SM 1030F
Cation-Anion Balance	0.16	0		%	04/28/2005 1050 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/27/2005 1418 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	04/27/2005 1339 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/27/2005 1339 MS	EPA 200.8
Boron	0.07	0.03		mg/L	04/27/2005 1418 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/27/2005 1339 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/27/2005 1418 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/27/2005 1339 MS	EPA 200.8
Iron	0.74	0.05		mg/L	04/27/2005 1418 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/27/2005 1339 MS	EPA 200.8
Manganese	0.19	0.02		mg/L	04/27/2005 1418 MH	EPA 200.7
Mercury	ND	0.001		mg/L	05/03/2005 1038 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/27/2005 1339 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/27/2005 1418 MH	EPA 200.7
Selenium	0.249	0.005		mg/L	04/27/2005 1339 MS	EPA 200.8
Uranium	0.470	0.0001		mg/L	04/27/2005 1339 MS	EPA 200.8
Vanadium	0.06	0.02		mg/L	04/27/2005 1339 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/27/2005 1418 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: Karen Backlund
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/18/2005
Report ID: S0504267001

Project: Cogema Christensen Mine
Lab ID: S0504267-003
Client Sample ID 3V52-2
Matrix: Water

Work Order: S0504267
Collection Date: 4/26/2005
Date Received: 4/26/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.3	0.1		s.u.	04/27/2005 1447 KA	EPA 150.1
Electrical Conductivity	880	5		µmhos/cm	04/27/2005 1447 KA	SM 2510B
Total Dissolved Solids (180)	650	10		mg/L	04/28/2005 900 GF	SM 2540
Solids, Total Dissolved (Calc)	580	10		mg/L	04/28/2005 1050 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	05/04/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	169	5		mg/L	04/27/2005 1447 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	193	1		mg/L	04/28/2005 1050 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.3	0.1		mg/L	04/28/2005 1422 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/28/2005 924 RM	EPA 353.2
Radium 226	132.2±6.4	0.2		pCi/L	05/02/2005 000 TWP	SM 7500 RA B
Silica as SiO2	26.7	0.1		mg/L	04/27/2005 1426 MH	EPA 200.7
Sodium Adsorption Ratio	3.9	0.1			04/28/2005 1050 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	206	5		mg/L	04/27/2005 1447 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/27/2005 1447 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/27/2005 1447 KA	SM 2320B
Chloride	6	1		mg/L	04/27/2005 1502 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/27/2005 1447 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	04/29/2005 1436 RM	EPA 353.2
Sulfate	269	1		mg/L	04/27/2005 1502 LK	EPA 300.0
Cations						
Calcium	65	1		mg/L	04/27/2005 1426 MH	EPA 200.7
Magnesium	8	1		mg/L	04/27/2005 1426 MH	EPA 200.7
Potassium	1	1		mg/L	04/27/2005 1426 MH	EPA 200.7
Sodium	126	1		mg/L	04/27/2005 1426 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: Karen Boucher for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/18/2005
Report ID: S0504267001

Project: Cogema Christensen Mine
Lab ID: S0504267-003
Client Sample ID 3V52-2
Matrix: Water

Work Order: S0504267
Collection Date: 4/26/2005
Date Received: 4/26/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.37	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Chloride	0.17	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Fluoride	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Sulfate	5.60	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Calcium	3.22	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Magnesium	0.63	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Potassium	0.03	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Sodium	5.46	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	9.37	0		meq/L	04/28/2005 1050 KA	SM 1030F
Anion Sum	9.15	0		meq/L	04/28/2005 1050 KA	SM 1030F
Cation-Anion Balance	1.18	0		%	04/28/2005 1050 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/27/2005 1426 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	04/27/2005 1341 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/27/2005 1341 MS	EPA 200.8
Boron	0.08	0.03		mg/L	04/27/2005 1426 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/27/2005 1341 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/27/2005 1426 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/27/2005 1341 MS	EPA 200.8
Iron	0.19	0.05		mg/L	04/27/2005 1426 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/27/2005 1341 MS	EPA 200.8
Manganese	0.32	0.02		mg/L	04/27/2005 1426 MH	EPA 200.7
Mercury	ND	0.001		mg/L	05/03/2005 1043 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/27/2005 1341 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/27/2005 1426 MH	EPA 200.7
Selenium	ND	0.005		mg/L	04/27/2005 1341 MS	EPA 200.8
Uranium	0.0656	0.0001		mg/L	04/27/2005 1341 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	04/27/2005 1341 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/27/2005 1426 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: Karen A. Boden for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/18/2005
Report ID: S0504267001

Project: Cogema Christensen Mine
Lab ID: S0504267-004
Client Sample ID 3G13-1
Matrix: Water

Work Order: S0504267
Collection Date: 4/26/2005
Date Received: 4/26/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	04/27/2005 1459 KA	EPA 150.1
Electrical Conductivity	489	5		µmhos/cm	04/27/2005 1459 KA	SM 2510B
Total Dissolved Solids (180)	320	10		mg/L	04/28/2005 902 GF	SM 2540
Solids, Total Dissolved (Calc)	300	10		mg/L	04/28/2005 1050 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	05/04/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	162	5		mg/L	04/27/2005 1459 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	84	1		mg/L	04/28/2005 1050 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.5	0.1		mg/L	04/28/2005 1423 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/28/2005 925 RM	EPA 353.2
Radium 226	95.2±5.4	0.2		pCi/L	05/02/2005 000 TWP	SM 7500 RA B
Silica as SiO2	16.3	0.1		mg/L	04/27/2005 1430 MH	EPA 200.7
Sodium Adsorption Ratio	3.7	0.1			04/28/2005 1050 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	198	5		mg/L	04/27/2005 1459 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/27/2005 1459 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/27/2005 1459 KA	SM 2320B
Chloride	7	1		mg/L	04/27/2005 1528 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/27/2005 1459 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	04/29/2005 1437 RM	EPA 353.2
Sulfate	82	1		mg/L	04/27/2005 1528 LK	EPA 300.0
Cations						
Calcium	29	1		mg/L	04/27/2005 1430 MH	EPA 200.7
Magnesium	3	1		mg/L	04/27/2005 1430 MH	EPA 200.7
Potassium	ND	1		mg/L	04/27/2005 1430 MH	EPA 200.7
Sodium	78	1		mg/L	04/27/2005 1430 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: Karen A Beaulieu for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/18/2005
Report ID: S0504267001

Project: Cogema Christensen Mine
Lab ID: S0504267-004
Client Sample ID 3G13-1
Matrix: Water

Work Order: S0504267
Collection Date: 4/26/2005
Date Received: 4/26/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	3.24	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Chloride	0.19	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Fluoride	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Sulfate	1.70	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Calcium	1.43	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Magnesium	0.24	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Potassium	0.02	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Sodium	3.40	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	5.10	0		meq/L	04/28/2005 1050 KA	SM 1030F
Anion Sum	5.15	0		meq/L	04/28/2005 1050 KA	SM 1030F
Cation-Anion Balance	0.39	0		%	04/28/2005 1050 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/27/2005 1430 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	04/27/2005 1344 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/27/2005 1344 MS	EPA 200.8
Boron	0.06	0.03		mg/L	04/27/2005 1430 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/27/2005 1344 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/27/2005 1430 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/27/2005 1344 MS	EPA 200.8
Iron	0.23	0.05		mg/L	04/27/2005 1430 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/27/2005 1344 MS	EPA 200.8
Manganese	0.03	0.02		mg/L	04/27/2005 1430 MH	EPA 200.7
Mercury	ND	0.001		mg/L	05/03/2005 1045 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/27/2005 1344 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/27/2005 1430 MH	EPA 200.7
Selenium	ND	0.005		mg/L	04/27/2005 1344 MS	EPA 200.8
Uranium	0.118	0.0001		mg/L	04/27/2005 1344 MS	EPA 200.8
Vanadium	0.05	0.02		mg/L	04/27/2005 1344 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/27/2005 1430 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: Karen A Baalman for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/18/2005
Report ID: S0504267001

Project: Cogema Christensen Mine
Lab ID: S0504267-005
Client Sample ID 3W75-1
Matrix: Water

Work Order: S0504267
Collection Date: 4/26/2005
Date Received: 4/26/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.6	0.1		s.u.	04/27/2005 1512 KA	EPA 150.1
Electrical Conductivity	625	5		µmhos/cm	04/27/2005 1512 KA	SM 2510B
Total Dissolved Solids (180)	440	10		mg/L	04/28/2005 904 GF	SM 2540
Solids, Total Dissolved (Calc)	390	10		mg/L	04/28/2005 1050 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	05/04/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	139	5		mg/L	04/27/2005 1512 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	153	1		mg/L	04/28/2005 1050 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.1	0.1		mg/L	04/28/2005 1424 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/28/2005 926 RM	EPA 353.2
Radium 226	258.9±8.5	0.2		pCi/L	05/02/2005 000 TWP	SM 7500 RA B
Silica as SiO2	16.0	0.1		mg/L	04/27/2005 1434 MH	EPA 200.7
Sodium Adsorption Ratio	2.8	0.1			04/28/2005 1050 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	170	5		mg/L	04/27/2005 1512 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/27/2005 1512 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/27/2005 1512 KA	SM 2320B
Chloride	5	1		mg/L	04/27/2005 1634 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/27/2005 1512 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	04/29/2005 1438 RM	EPA 353.2
Sulfate	166	1		mg/L	04/27/2005 1634 LK	EPA 300.0
Cations						
Calcium	55	1		mg/L	04/27/2005 1434 MH	EPA 200.7
Magnesium	4	1		mg/L	04/27/2005 1434 MH	EPA 200.7
Potassium	ND	1		mg/L	04/27/2005 1434 MH	EPA 200.7
Sodium	80	1		mg/L	04/27/2005 1434 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: Karen A Barlow
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/18/2005
Report ID: S0504267001

Project: Cogema Christensen Mine
Lab ID: S0504267-005
Client Sample ID 3W75-1
Matrix: Water

Work Order: S0504267
Collection Date: 4/26/2005
Date Received: 4/26/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	2.78	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Chloride	0.12	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Fluoride	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Sulfate	3.45	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Calcium	2.74	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Magnesium	0.31	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Potassium	0.02	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Sodium	3.47	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	6.55	0		meq/L	04/28/2005 1050 KA	SM 1030F
Anion Sum	6.36	0		meq/L	04/28/2005 1050 KA	SM 1030F
Cation-Anion Balance	1.47	0		%	04/28/2005 1050 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/27/2005 1434 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	04/27/2005 1347 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/27/2005 1347 MS	EPA 200.8
Boron	0.06	0.03		mg/L	04/27/2005 1434 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/27/2005 1347 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/27/2005 1434 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/27/2005 1347 MS	EPA 200.8
Iron	0.22	0.05		mg/L	04/27/2005 1434 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/27/2005 1347 MS	EPA 200.8
Manganese	0.08	0.02		mg/L	04/27/2005 1434 MH	EPA 200.7
Mercury	ND	0.001		mg/L	05/03/2005 1047 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/27/2005 1347 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/27/2005 1434 MH	EPA 200.7
Selenium	ND	0.005		mg/L	04/27/2005 1347 MS	EPA 200.8
Uranium	0.0432	0.0001		mg/L	04/27/2005 1347 MS	EPA 200.8
Vanadium	ND	0.02		mg/L	04/27/2005 1347 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/27/2005 1434 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: Karen A Boulden for
Wade Nieuwsma, Project Manager

Inter-Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/18/2005

Report ID: S0504267001

Project: Cogema Christensen Mine
Lab ID: S0504267-006
Client Sample ID 3AC82-1
Matrix: Water

Work Order: S0504267
Collection Date: 4/26/2005
Date Received: 4/26/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	7.7	0.1		s.u.	04/27/2005 1523 KA	EPA 150.1
Electrical Conductivity	917	5		µmhos/cm	04/27/2005 1523 KA	SM 2510B
Total Dissolved Solids (180)	630	10		mg/L	04/28/2005 906 GF	SM 2540
Solids, Total Dissolved (Calc)	580	10		mg/L	04/28/2005 1050 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	05/04/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	264	5		mg/L	04/27/2005 1523 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	140	1		mg/L	04/28/2005 1050 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.4	0.1		mg/L	04/28/2005 1425 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/28/2005 927 RM	EPA 353.2
Radium 226	487±11	0.2		pCi/L	05/02/2005 000 TWP	SM 7500 RA B
Silica as SiO2	12.1	0.1		mg/L	04/27/2005 1438 MH	EPA 200.7
Sodium Adsorption Ratio	6.0	0.1			04/28/2005 1050 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	322	5		mg/L	04/27/2005 1523 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/27/2005 1523 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/27/2005 1523 KA	SM 2320B
Chloride	11	1		mg/L	04/27/2005 1648 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/27/2005 1523 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	04/29/2005 1439 RM	EPA 353.2
Sulfate	195	1		mg/L	04/27/2005 1648 LK	EPA 300.0
Cations						
Calcium	43	1		mg/L	04/27/2005 1438 MH	EPA 200.7
Magnesium	8	1		mg/L	04/27/2005 1438 MH	EPA 200.7
Potassium	2	1		mg/L	04/27/2005 1438 MH	EPA 200.7
Sodium	163	1		mg/L	04/27/2005 1438 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: Karen A Bauder for
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/18/2005
Report ID: S0504267001

Project: Cogema Christensen Mine
Lab ID: S0504267-006
Client Sample ID 3AC82-1
Matrix: Water

Work Order: S0504267
Collection Date: 4/26/2005
Date Received: 4/26/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	5.28	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Chloride	0.29	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Fluoride	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Sulfate	4.07	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Calcium	2.13	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Magnesium	0.66	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Potassium	0.05	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Sodium	7.09	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	9.94	0		meq/L	04/28/2005 1050 KA	SM 1030F
Anion Sum	9.65	0		meq/L	04/28/2005 1050 KA	SM 1030F
Cation-Anion Balance	1.48	0		%	04/28/2005 1050 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/27/2005 1438 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	04/27/2005 1350 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/27/2005 1350 MS	EPA 200.8
Boron	0.06	0.03		mg/L	04/27/2005 1438 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/27/2005 1350 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/27/2005 1438 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/27/2005 1350 MS	EPA 200.8
Iron	0.71	0.05		mg/L	04/27/2005 1438 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/27/2005 1350 MS	EPA 200.8
Manganese	0.21	0.02		mg/L	04/27/2005 1438 MH	EPA 200.7
Mercury	ND	0.001		mg/L	05/03/2005 1049 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/27/2005 1350 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/27/2005 1438 MH	EPA 200.7
Selenium	0.008	0.005		mg/L	04/27/2005 1350 MS	EPA 200.8
Uranium	0.558	0.0001		mg/L	04/27/2005 1350 MS	EPA 200.8
Vanadium	0.02	0.02		mg/L	04/27/2005 1350 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/27/2005 1438 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: Karen K Baucher
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/18/2005
Report ID: S0504267001

Project: Cogema Christensen Mine
Lab ID: S0504267-007
Client Sample ID 4E-6
Matrix: Water

Work Order: S0504267
Collection Date: 4/26/2005
Date Received: 4/26/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
General Parameters						
pH	8.1	0.1		s.u.	04/27/2005 1536 KA	EPA 150.1
Electrical Conductivity	1660	5		µmhos/cm	04/27/2005 1536 KA	SM 2510B
Total Dissolved Solids (180)	1160	10		mg/L	04/28/2005 910 GF	SM 2540
Solids, Total Dissolved (Calc)	1090	10		mg/L	04/28/2005 1050 KA	SM 1030F
Acidity, Total (As CaCO3)	ND	5		mg/L	05/04/2005 000 KA	SM 2310B
Alkalinity, Total (As CaCO3)	573	5		mg/L	04/27/2005 1536 KA	SM 2320B
Hardness, Calcium/Magnesium (As CaCO3)	156	1		mg/L	04/28/2005 1050 KA	SM 2340B
Nitrogen, Ammonia (As N)	0.3	0.1		mg/L	04/28/2005 1426 RM	EPA 350.1
Nitrogen, Nitrite (as N)	ND	0.05		mg/L	04/28/2005 928 RM	EPA 353.2
Radium 226	215.0±7.6	0.2		pCi/L	05/02/2005 000 TWP	SM 7500 RA B
Silica as SiO2	17.6	0.1		mg/L	04/27/2005 1442 MH	EPA 200.7
Sodium Adsorption Ratio	12.6	0.1			04/28/2005 1050 KA	Calculation
Anions						
Alkalinity, Bicarbonate as HCO3	699	5		mg/L	04/27/2005 1536 KA	SM 2320B
Alkalinity, Carbonate as CO3	ND	5		mg/L	04/27/2005 1536 KA	SM 2320B
Alkalinity, Hydroxide as OH	ND	5		mg/L	04/27/2005 1536 KA	SM 2320B
Chloride	48	1		mg/L	04/27/2005 1701 LK	EPA 300.0
Fluoride	ND	0.1		mg/L	04/27/2005 1536 KA	SM 4500FC
Nitrogen, Nitrate-Nitrite (as N)	ND	0.05		mg/L	04/29/2005 1440 RM	EPA 353.2
Sulfate	273	1		mg/L	04/27/2005 1701 LK	EPA 300.0
Cations						
Calcium	47	1		mg/L	04/27/2005 1442 MH	EPA 200.7
Magnesium	9	1		mg/L	04/27/2005 1442 MH	EPA 200.7
Potassium	6	1		mg/L	04/27/2005 1442 MH	EPA 200.7
Sodium	362	1		mg/L	04/27/2005 1442 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: Karen A Boudreau
Wade Nieuwsma, Project Manager

Inter·Mountain Laboratories, Inc.

1673 Terra Avenue
Sheridan, WY 82801

Sample Analysis Report

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

Date Reported: 5/18/2005
Report ID: S0504267001

Project: Cogema Christensen Mine
Lab ID: S0504267-007
Client Sample ID 4E-6
Matrix: Water

Work Order: S0504267
Collection Date: 4/26/2005
Date Received: 4/26/2005 5:00:00 PM

Analyses	Result	PQL	Qual	Units	Date Analyzed/Init	Method
Cation/Anion-Milliequivalents						
Bicarbonate as HCO3	11.45	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Carbonate as CO3	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Hydroxide as OH	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Chloride	1.34	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Fluoride	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Nitrate + Nitrite as N	ND	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Sulfate	5.67	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Calcium	2.35	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Magnesium	0.75	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Potassium	0.14	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Sodium	15.73	0.01		meq/L	04/28/2005 1050 KA	SM 1030F
Cation / Anion Balance						
Cation Sum	18.99	0		meq/L	04/28/2005 1050 KA	SM 1030F
Anion Sum	18.47	0		meq/L	04/28/2005 1050 KA	SM 1030F
Cation-Anion Balance	1.38	0		%	04/28/2005 1050 KA	SM 1030F
Dissolved Metals						
Aluminum	ND	0.1		mg/L	04/27/2005 1442 MH	EPA 200.7
Arsenic	ND	0.005		mg/L	04/27/2005 1353 MS	EPA 200.8
Barium	ND	0.5		mg/L	04/27/2005 1353 MS	EPA 200.8
Boron	0.08	0.03		mg/L	04/27/2005 1442 MH	EPA 200.7
Cadmium	ND	0.002		mg/L	04/27/2005 1353 MS	EPA 200.8
Chromium	ND	0.01		mg/L	04/27/2005 1442 MH	EPA 200.7
Copper	ND	0.01		mg/L	04/27/2005 1353 MS	EPA 200.8
Iron	ND	0.05		mg/L	04/27/2005 1442 MH	EPA 200.7
Lead	ND	0.02		mg/L	04/27/2005 1353 MS	EPA 200.8
Manganese	ND	0.02		mg/L	04/27/2005 1442 MH	EPA 200.7
Mercury	ND	0.001		mg/L	05/03/2005 1050 MS	EPA 245.1
Molybdenum	ND	0.02		mg/L	04/27/2005 1353 MS	EPA 200.8
Nickel	ND	0.01		mg/L	04/27/2005 1442 MH	EPA 200.7
Selenium	0.065	0.005		mg/L	04/27/2005 1353 MS	EPA 200.8
Uranium	5.20	0.0001		mg/L	04/27/2005 1353 MS	EPA 200.8
Vanadium	0.31	0.02		mg/L	04/27/2005 1353 MS	EPA 200.8
Zinc	ND	0.01		mg/L	04/27/2005 1442 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: Karen A Baden for
Wade Nieuwsma, Project Manager