Inter-Mountain Laboratories, Inc.

1633 Terra Avenue
Sheridan, WY 82801

Soil Analysis Report

C.W. Mining Company
Bear Canyon Mine
P.O. Box 1245
Huntington, UT 84528

Client Project ID: Bear Canyon Mine
Date Received: 09/30/02

Set #0103S00365
Report Date: 01/14/03

Lab Id	Sample Id	pH	Saturation	EC @ 25°C	Calcium	Magnesium	Sodium	Potassium	SAR
		s.u.	%	mmhos/cm	meq/L	meq/L	meq/L	meq/L	
0103S00365	RFM-1 Floor	8.3	28.6	1.64	3.36	10.4	4.01	0.57	1.53
0103S00366	RFM-1 Coal	3.7	73.1	1.27	1.47	3.67	4.81	0.31	3.00
0103S00367	RFM-1 Ceiling	8.2	27.4	2.39	4.55	17.8	6.29	0.89	1.88
0103S00368	Sed Pond A	8.3	39.0	3.15	14.9	14.9	6.71	0.52	1.74

These results only apply to the samples tested.

Abbreviations for extractants: PE= Saturated Paste Extract, H2OSol= water soluble,AB-DTPA= Ammonium Bicarbonate-DTPA, AAO= Acid Ammonium Oxalate
Abbreviations used in acid base accounting: T.S.= Total Sulfur, AB= Acid Base, ABP= Acid Base Potential, PyrS= Pyritic Sulfur, Pyr+Org= Pyritic Sulfur + Organic Sulfur, Neut. Pot.= Neutralization Potential
Miscellaneous Abbreviations: SAR= Sodium Adsorption Ratio, CEC= Cation Exchange Capacity, ESP= Exchangeable Sodium Percentage

Reviewed By: _____
Joey Sheeley, Soils Lab Supervisor

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Lab Id	Sample Id	Very Fine Sand %	Sand %	Silt %	Clay %	Texture	CO3 %	Organic Matter %	Alkalinity PE meq/L
0103S00365	RFM-1 Floor	18.9	74.0	18.0	8.0	SANDY LOAM	45.8	0.2	2.20
0103S00366	RFM-1 Coal	<0.1	92.0	6.0	2.0	SAND	<0.5	32.3	8.56
0103S00367	RFM-1 Ceiling	8.0	54.0	32.0	14.0	SANDY LOAM	66.9	0.2	1.40
0103S00368	Sed Pond A	13.2	76.0	14.0	10.0	SANDY LOAM	12.8	1.1	0.80

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Lab Id	Sample Id	TOC	Total Sulfur	Neutral. Pot.	Boron PE	Nitrogen Nitrate	Phosphorus	Selenium
		%	%	t/1000t	ppm	meq/L	mg/Kg	ppm
0103S00365	RFM-1 Floor	0.1	<0.01	470	0.17	0.66	2.00	<0.02
0103S00366	RFM-1 Coal	18.8	0.44	-2.55	10.6	12.3	4.90	<0.02
0103S00367	RFM-1 Ceiling	0.1	<0.01	691	0.52	0.92	1.70	<0.02
0103S00368	Sed Pond A	0.6	0.29	127	0.86	0.69	3.60	<0.02

These results only apply to the samples tested.

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