

## Document Information Form

Mine Number: 007/0001File Name: White Oak MineTo: Priscilla Burton

## From:

Person Bruce WebbCompany Brigham Young University - Soil + Plant  
analysis Lab.Date Received: 9/17/08

## Explanation:

Page 1 = East Mtn Crandall Cyn Mine included only to show full report.

Page 2 = White Oak Mine soil sample taken from surface of reclaimed slope on west side of disturbed area.

Sample was a composite. See inspection report #1729 for details of sampling. Sample represents barren, erosive slopes at the mine site.

cc:

**PLANT AND WILDLIFE SCIENCES**  
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**FAX**

**To:** Priscilla Burton

**Fax #:** 435-613-8739

**From:** Bruce Webb

**Date:** 9-17-08

**Subject:** Soil Analysis Results

**Pages:** 1 of 3

**Notes:**

**BRIGHAM YOUNG UNIVERSITY****Soil and Plant Analysis Laboratory****255 WIDB****Provo, UT 84602****801-422-2147****Plant and Animal Science  
Department**

Name Priscilla Burton  
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**SOIL TEST REPORT  
AND  
RECOMMENDATIONS**

Date: 17-Sep-08  
 Telephone: 4356133733  
 Fax: 4356133739

Sample Identification	Crop to be grown	pH	% Sand	% Silt	% Clay	Soil Texture	Cation Exchange meq/100g	% Organic Matter
East Mtn	Turf	7.14	23.64	33.08	43.28	Clay		

Soil Test	Results	Very Low	Low	Medium	High	Very High	Recommendations
Nitrate-Nitrogen ppm N	9.31	X					apply 2.8 lbs of N/1000 sq ft
Phosphorus ppm P	3.82	X					apply 2.1 lbs of P2O5/1000 sq ft
Potassium ppm K	99.20			X			no fertilizer needed
Salinity-ECe dS/m	0.49	X					no salinity problem
Zinc ppm Zn	0.27	X					apply 10 lbs of Zn/1000 sq ft
Iron ppm Fe	5.60			X			no fertilizer needed
Manganese ppm Mn	1.87					X	no fertilizer needed
Copper ppm Cu	0.92					X	no fertilizer needed
SAR-Sodium Absorption Ratio	0.15	X					no sodium hazard
Calcium-SAR ppm Ca	335.68						
Magnesium SAR ppm Mg	12.16						
Sodium SAR ppm Na	10.40						
Ca Carbonate %CaCO3	38.64						
Selenium ppm Se	0.27	X					
Boron ppm B	1.15					X	no fertilizer needed

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Sample Identification	Crop to be grown	pH	% Sand	% Silt	% Clay	Soil Texture	Cation Exchange meq/100g	% Organic Matter
White Oak	Turf	7.19	25.28	38.44	36.28	Clay Loam		

Soil Test	Results	Very Low	Low	Medium	High	Very High	Recommendations
Nitrate-Nitrogen ppm N	2.71	X					apply 2.8 lbs of N/1000 sq ft
Phosphorus ppm P	2.29	X					apply 2.1 lbs of P2O5/1000 sq ft
Potassium ppm K	80.00			X			no fertilizer needed
Salinity-EcE dS/m	0.47	X					no salinity problem
Zinc ppm Zn	3.78				X		no fertilizer needed
Iron ppm Fe	3.87		X				fertilizer possibly needed
Manganese ppm Mn	0.72					X	no fertilizer needed
Copper ppm Cu	1.79					X	no fertilizer needed
SAR-Sodium Absorption Ratio	0.01	X					no sodium hazard
Calcium-SAR ppm Ca	283.04						
Magnesium SAR ppm Mg	16.00						
Sodium SAR ppm Na	0.48						
Ca Carbonate %CaCO3	10.21						
Selenium ppm se	0.11	X					
Boron ppm B	1.10					X	no fertilizer needed