Mine Analysis Report
Auburn University
Soil Testing Lab

Task Engineering Management Inc.
2832 Monte Deste Dr
Birmingham Al 35216
County: Jefferson

ALFA Agricultural Service & Research Building
961 S. Donahue Dr.
Auburn University, Auburn, AL 36849-5411
Phone (334)844-3958
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SAMPLE NAME: 08-Bull Gap | ROUTINE # 12000-12006 | Special Analysis #: 12.G0048-G0054 | DATE: 4-2-12

MULTIPLE SULFUR ANALYSES

		%	%	%	%	%	OM	NO_3-N	Neutralizing Potential	
Lab No	Sample I.D.	1rst	2nd	3rd	4rth	Ave	%	ppm	Tons $CaCO_3$/1000 Tons material	max pot.acid.
12000	08-BG-TS-01	0.068	0.058	0.049	0.049	0.056	1.8	5.9	<1.0	1.74
12001	08-BG-TS-02	0.20	0.27	0.27	0.30	0.27	36.8	4.3	<1.0	8.44
12002	08-BG-TS-03	0.026	0.027	0.027	0.023	0.026	0.6	2.6	<1.0	0.80
12003	08-BG-TS-04	0.024	0.024	0.025	0.018	0.023	1.3	3.2	<1.0	0.71
12004	08-BG-TS-05	0.014	0.020	0.016	0.016	0.017	0.9	3.6	<1.0	0.52
12005	08-BG-TS-06	0.040	0.039	0.019	0.025	0.031	1.7	3.1	<1.0	0.96
12006	08-BG-TS-07	0.079	0.060	0.080	0.053	0.068	2.2	6.4	2.6	2.13

		%	%	%		H_2O avail.					
Lab I.D.	Sample I.D.	Sand	Silt	Clay	Textural Class	cm^3/cm^3					
12000	08-BG-TS-01	90.00	10.00	0.00	Sand	0.04					
12001	08-BG-TS-02	91.25	8.75	0.00	Sand	0.08					
12002	08-BG-TS-03	97.50	2.50	0.00	Sand	0.04					
12003	08-BG-TS-04	95.00	5.00	0.00	Sand	0.04					
12004	08-BG-TS-05	93.75	6.25	0.00	Sand	0.04					
12005	08-BG-TS-06	95.00	5.00	0.00	Sand	0.04					
12006	08-BG-TS-07	92.50	7.50	0.00	Sand	0.04					

Report on Soil Test

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District:1

					SOIL TEST RESULTS					RECOMMENDATIONS			
LAB No.	Test Date	Sample Designation	Crop	Soil Group*	pH**	Phosphorus P***	Potassium K***	Magnesium Mg***	Calcium Ca***	LIME-STONE	N	P_2O_5	K_2O
						Pounds/Acre				Tons/Acre	Pounds/Acre		
12000	02/21/12	Bull Gap 08 BG TS01 See Comment 1	Revegetation	1	6.3	EH 314	M 67	H 79	H 469	0.0	60	0	40
12001	02/21/12	08 BG TS02 See Comment 1 See Comment 2	Revegetation	1	5.7	VH 188	M 51	H 74	H 413	1.0	60	0	40
12002	02/21/12	08 BG TS03 See Comment 1	Revegetation	1	6.6	H 71	VL 20	L 19	L 127	0.0	60	0	70
12003	02/21/12	08 BG TS04 See Comment 1 See Comment 2	Revegetation	1	5.7	VH 111	L 26	H 39	M 217	1.0	60	0	70
12004	02/21/12	08 BG TS05 See Comment 1	Revegetation	1	6.4	VH 126	L 29	L 16	L 82	0.0	60	0	60
12005	02/21/12	08 BG TS06 See Comment 1 See Comment 3	Revegetation	1	5.2	H 55	VL 12	L 23	L 173	1.0	60	0	80
12006	02/21/12	08 BG TS07 See Comment 1	Revegetation	1	6.3	EH 437	M 50	H 126	H 449	0.0	60	0	40

Comment No.1: For perennial winter grass pasture, apply N, P, and K as recommended by September 1. Repeat N application in February. If grass is to be cut for hay, in February apply up to 40 pounds N and 35 pounds K2O per ton of anticipated hay yield.

Comment No.2: Soil acidity (low pH) can be corrected with either dolomitic or calcitic lime.

Comment No.3: Both soil acidity and low magnesium can be corrected by applying dolomitic lime at the recommended rate.

* 1. Sandy soil (CEC ‹ 4.6 $cmol_c kg^{-1}$)

* 2. Loams and Light clays (CEC = 4.6-9.0 $cmol_c kg^{-1}$)

* 3. Clays and soils high in organic matter (CEC > 9.0 $cmol_c kg^{-1}$)

* 4. Clays of the Blackbelt (CEC > 9.0 $cmol_c kg^{-1}$)

** 7.4 or higher - Alkaline - - - - - - - - - - - - - - 6.6-7.3 - Neutral - - - - - - - - - - - - - 6.5 or lower - Acid - - - - - - - - - - - - -5.5 or lower - Strong Acid

*** Extractable nutrients in pounds per acre

If soil group = 1, 2 or 3, Method of Analysis = Mehlich-1. If soil group = 4, Method of Analysis = Miss/Lancaster.

Approved by: Joseph Huluka

Print Date: April 2, 2012

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The number of samples processed in this report is: 7

For further information call your county agent: (205) 879-6964

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