

Soil Report

Job Name **STB Hills CC** Date **1/1/2007**

Company **Logan Labs 888-494-7645** Submitted By _____

Sample Location		Ideal					
Sample ID		1	2	3	4	5	
Lab Number							
Sample Depth in inches		6	6	6	6	6	
Total Exchange Capacity (M. E.)		12.00	2.74	8.89	21.03	12.80	
pH of Soil Sample		6.30	5.60	6.50	7.20	6.30	
Organic Matter, Percent		3-5	0.80	3.54	1.40	1.20	
ANIONS	SULFUR: p.p.m.	25-50	8	55	18	12	
	Mehlich III Phosphorous: as (P ₂ O ₅) lbs / acre	250-500	232	284	250	242	
EXCHANGEABLE CATIONS	CALCIUM: lbs / acre	Desired Value 3264	745	2418	5720	3482	
		Value Found 3264	459	2308	4380	1777	
		Deficit -0	-286	-110	-1340	-1705	
	MAGNESIUM: lbs / acre	Desired Value 346	200	256	606	369	
		Value Found 348	138	355	2038	1369	
		Deficit -0	-62				
	POTASSIUM: lbs / acre	Desired Value 468	163	277	552	396	
		Value Found 468	33	279	248	255	
		Deficit -0	-130		-304	-141	
	SODIUM: lbs / acre		20-50	30	84	176	153
	BASE SATURATION %	Calcium (60 to 70%)	68.0	41.88	64.90	53.07	34.71
		Magnesium (10 to 20%)	12.0	20.99	16.64	40.38	44.55
Potassium (2 to 5%)		5.00	1.54	4.02	1.51	2.55	
Sodium (.5 to 3%)		3.00	2.38	2.05	1.82	2.60	
Other Bases (Variable)		2.00	6.20	4.90	4.20	5.10	
Exchangable Hydrogen (10 to 15%)		10.00	27.00	7.50	0.00	10.50	
TRACE ELEMENTS	Boron (p.p.m.)	1.20	0.02	0.48	0.7	0.66	
	Iron (p.p.m.)	150	175	319	740	540	
	Manganese (p.p.m.)	40	2	140	145	77	
	Copper (p.p.m.)	5	2.4	2.08	2.7	2.6	
	Zinc (p.p.m.)	10	1.8	7.44	5.5	3.5	
	Aluminum (p.p.m.)	<1400	200	419	800	900	
OTHER							