

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Silver Lakes Sports Complex City _____ State _____

Independent Consultant Soil and Water Consulting Date 3/15/2017

Sample Location FIELD		THE SIX	THE	THE	9-13	
Sample Identification		d 4 in PLUS	d 4 in QUAD	d 4 in STADIUM	d 4 in	
Lab Number		0771-1	0772-1	0773-1	0774-1	
Total Exchange Capacity (ME/100 g)		13.43	19.15	13.42	13.00	
pH (H ₂ O 1:1)		a 7.8	a 7.7	a 7.7	a 7.9	
Organic Matter (360°C LOI) %		0.78	1.63	0.76	0.74	
Estimated Nitrogen Release lb/A		21	35	20	20	
ANIONS	SOLUBLE SULFUR* ppm	38	59	66	48	
	PHOSPHORUS MEHLICH III lb/A P as P ₂ O ₅ ppm of P					
	BRAY II lb/A P as P ₂ O ₅ ppm of P					
	OLSEN lb/A P as P ₂ O ₅ ppm of P	37 12	55 18	107 35	58 19	
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	2944 2208	3423 2567	2841 2131	2835 2126	
	MAGNESIUM* lb/A ppm	217 163	692 519	251 188	219 164	
	POTASSIUM* lb/A ppm	181 136	195 146	203 152	147 110	
	SODIUM* lb/A ppm	61 46	279 209	96 72	81 61	
BASE SATURATION PERCENT						
Calcium %		82.20	67.02	79.40	81.77	
Magnesium %		10.11	22.58	11.67	10.51	
Potassium %		2.60	1.95	2.90	2.17	
Sodium %		1.49	4.75	2.33	2.04	
Other Bases %		3.60	3.70	3.70	3.50	
Hydrogen %		0.00	0.00	0.00	0.00	
EXTRACTABLE MINORS						
Boron M3 (ppm)						
Iron** (ppm)		8	11	14	11	
Manganese** (ppm)		2	4	3	2	
Copper** (ppm)		0.21	0.40	0.27	0.30	
Zinc** (ppm)		0.43	0.69	0.63	0.75	
Aluminum (ppm)						
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

d - specific depth

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** DTPA Extractable