

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Silver Lakes Sports Complex City _____ State _____

Independent Consultant Soil and Water Consulting Date 7/2/2019

Sample Location FIELD		9-13	THE	THE	THE SIX	
Sample Identification			QUAD	STADIUM	PLUS	
Lab Number		0446-1	0447-1	0448-1	0449-1	
Total Exchange Capacity (ME/100 g)		17.54	17.46	16.75	18.25	
pH (H ₂ O 1:1)		^a 7.9	7.0	7.3	^a 7.4	
Organic Matter (360°C LOI) %		2.16	3.06	2.33	2.61	
Estimated Nitrogen Release lb/A		63	81	67	72	
ANIONS	SOLUBLE SULFUR* ppm	108	134	122	88	
	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	60 13	46 10	206 45	41 9	
EXCHANGEABLE CATIONS	CALCIUM* lb/A	5678	4842	5412	5950	
	ppm	2839	2421	2706	2975	
	MAGNESIUM* lb/A	374	702	338	368	
	ppm	187	351	169	184	
	POTASSIUM* lb/A	318	438	444	450	
	ppm	159	219	222	225	
	SODIUM* lb/A	350	508	254	246	
	ppm	175	254	127	123	
BASE SATURATION PERCENT						
Calcium %		80.93	69.33	80.78	81.51	
Magnesium %		8.88	16.75	8.41	8.40	
Potassium %		2.32	3.22	3.40	3.16	
Sodium %		4.34	6.33	3.30	2.93	
Other Bases %		3.50	4.40	4.10	4.00	
Hydrogen %		0.00	0.00	0.00	0.00	
EXTRACTABLE MINORS						
Boron** (ppm)		1.17	1.06	1.03	0.84	
Iron** (ppm)		257	145	203	105	
Manganese** (ppm)		61	80	43	51	
Copper** (ppm)		1.77	1.47	1.44	1.09	
Zinc** (ppm)		4.05	4.19	5.31	1.78	
Aluminum** (ppm)		136	279	43	46	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable