

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Silver Lakes Sports Complex City _____ State _____

Independent Consultant Soil and Water Consulting Date 9/21/2016

Sample Location		ORIGINAL	FIELD				
Sample Identification			MIX				
Lab Number			0276-1				
Total Exchange Capacity (ME/100 g)			10.04				
pH (H ₂ O 1:1)			a 8.5				
Organic Matter (humus) %			0.24				
Estimated Nitrogen Release lb/A			10				
ANIONS	SOLUBLE SULFUR* ppm		40				
	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	< 5 < 1				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3334 1667				
	MAGNESIUM*	lb/A ppm	218 109				
	POTASSIUM*	lb/A ppm	74 37				
	SODIUM*	lb/A ppm	190 95				
	BASE SATURATION PERCENT						
	Calcium %		83.02				
	Magnesium %		9.05				
	Potassium %		0.94				
	Sodium %		4.11				
	Other Bases %		2.90				
	Hydrogen %		0.00				
EXTRACTABLE MINORS							
	Boron M3 (ppm)						
	Iron** (ppm)		5				
	Manganese** (ppm)		2				
	Copper** (ppm)		< 0.2				
	Zinc** (ppm)		< 0.4				
	Aluminum (ppm)						
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** DTPA Extractable