

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Jumping Brook Country Club City Neptune State NJ

Independent Consultant Soil and Water Consulting Date 10/27/2017

Sample Location		POND DREDGE	MATERIAL				
Sample Identification							
Lab Number			0383-1				
Total Exchange Capacity (ME/100 g)			22.03				
pH		Buffer (SMP/Sikora)	7.1				
		H ₂ O (1:1)	5.3				
Organic Matter (360°C LOI) %			3.42				
Estimated Nitrogen Release lb/A			84				
ANIONS	SOLUBLE SULFUR*						
	PHOSPHORUS		ppm	937			
		MEHLICH III	lb/A P as P ₂ O ₅ ppm of P	165			
				36			
		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					
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	4590			
		ppm		2295			
	MAGNESIUM*		lb/A	144			
		ppm		72			
	POTASSIUM*		lb/A	238			
		ppm		119			
	SODIUM*		lb/A	102			
		ppm		51			
BASE SATURATION PERCENT							
Calcium		%	52.09				
Magnesium		%	2.72				
Potassium		%	1.39				
Sodium		%	1.01				
Other Bases		%	6.80				
Hydrogen		%	36.00				
EXTRACTABLE MINORS							
Boron* (ppm)			0.70				
Iron* (ppm)			768				
Manganese* (ppm)			19				
Copper* (ppm)			0.20				
Zinc* (ppm)			16.99				
Aluminum* (ppm)			716				
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)			< 0.5			
	NH ₄ -N (ppm)			3.8			

* Mehlich III Extractable