

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Jumping Brook Country Club City Neptune State NJ

Independent Consultant Soil and Water Consulting Date 4/26/2017

Sample Location <u>CLUBHOUSE</u>		PG					
Sample Identification							
Lab Number		1181-1					
Total Exchange Capacity (ME/100 g)		2.07					
pH (H ₂ O 1:1)		7.1					
Organic Matter (360°C LOI) %		0.68					
Estimated Nitrogen Release lb/A		27					
ANIONS	SOLUBLE SULFUR* ppm		8				
	PHOSPHORUS	MEHLICH III lb/A P as P ₂ O ₅	202				
			ppm of P	44			
		BRAY II lb/A P as P ₂ O ₅	211				
			ppm of P	46			
	OLSEN lb/A P as P ₂ O ₅						
		ppm of P					
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	636				
		ppm	318				
	MAGNESIUM*	lb/A	50				
		ppm	25				
	POTASSIUM*	lb/A	62				
		ppm	31				
	SODIUM*	lb/A	48				
		ppm	24				
BASE SATURATION PERCENT							
	Calcium	%	76.81				
	Magnesium	%	10.06				
	Potassium	%	3.84				
	Sodium	%	5.04				
	Other Bases	%	4.30				
	Hydrogen	%	0.00				
EXTRACTABLE MINORS							
	Boron* (ppm)		< 0.20				
	Iron* (ppm)		86				
	Manganese* (ppm)		7				
	Copper* (ppm)		1.25				
	Zinc* (ppm)		2.89				
	Aluminum* (ppm)		167				
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						

* Mehlich III Extractable

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Jumping Brook Country Club City Neptune State NJ

Independent Consultant Soil and Water Consulting Date 4/26/2017

Sample Location GREEN				5	13	14	16	
Sample Identification								
Lab Number				1182-1	1183-1	1184-1	1185-1	
Total Exchange Capacity (ME/100 g)				8.61	8.54	8.71	8.34	
pH (H ₂ O 1:1)				6.7	6.8	6.8	6.7	
Organic Matter (360°C LOI) %				3.66	3.63	3.68	3.37	
Estimated Nitrogen Release lb/A				87	86	87	84	
ANIONS	SOLUBLE SULFUR* ppm			16	17	17	16	
	PHOSPHORUS	MEHLICH III lb/A	P as P ₂ O ₅	1314	1314	1301	1351	
			ppm of P	287	287	284	295	
		BRAY II lb/A	P as P ₂ O ₅	2327	2079	2180	1690	
			ppm of P	508	454	476	369	
	OLSEN lb/A	P as P ₂ O ₅						
		ppm of P						
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	2514	2622	2652	2514	
		ppm	—	—	—	—	—	—
	MAGNESIUM*		lb/A	250	202	222	192	
		ppm	—	—	—	—	—	—
	POTASSIUM*		lb/A	268	270	276	262	
		ppm	—	—	—	—	—	
	SODIUM*		lb/A	68	68	64	70	
		ppm	—	—	—	—	—	—
BASE SATURATION PERCENT								
	Calcium	%		73.00	76.76	76.12	75.36	
	Magnesium	%		12.10	9.86	10.62	9.59	
	Potassium	%		3.99	4.05	4.06	4.03	
	Sodium	%		1.72	1.73	1.60	1.82	
	Other Bases	%		4.70	4.60	4.60	4.70	
	Hydrogen	%		4.50	3.00	3.00	4.50	
EXTRACTABLE MINORS								
	Boron* (ppm)			0.55	0.57	0.62	0.57	
	Iron* (ppm)			359	439	457	406	
	Manganese* (ppm)			12	10	11	13	
	Copper* (ppm)			2.60	2.41	2.57	2.99	
	Zinc* (ppm)			42.01	19.74	45.29	14.15	
	Aluminum* (ppm)			372	457	496	517	
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							

* Mehlich III Extractable