

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Jumping Brook Country Club City Neptune State NJ

Independent Consultant Soil and Water Consulting Date 8/6/2019

Sample Location			GREEN	5	13	14	16	
Sample Identification								
Lab Number				0203-1	0204-1	0205-1	0206-1	
Total Exchange Capacity (ME/100 g)				6.06	6.63	5.77	5.98	
pH	Buffer (SMP/Sikora)			7.3	7.4	7.3	7.4	
	H ₂ O (1:1)			6.6	6.3	6.6	6.5	
Organic Matter (360°C LOI) %				3.72	4.51	4.50	4.26	
Estimated Nitrogen Release lb/A				87	95	95	93	
ANIONS	SOLUBLE SULFUR*							
			ppm	9	11	11	9	
	PHOSPHORUS	MEHLICH III	lb/A P as P ₂ O ₅ ppm of P	769	838	751	783	
				168	183	164	171	
		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	1784	1882	1710	1754		
		ppm	892	941	855	877		
	MAGNESIUM*	lb/A	156	140	144	134		
		ppm	78	70	72	67		
	POTASSIUM*	lb/A	174	176	154	172		
		ppm	87	88	77	86		
	SODIUM*	lb/A	34	38	34	36		
		ppm	17	19	17	18		
BASE SATURATION PERCENT								
Calcium	%		73.60	70.97	74.09	73.33		
Magnesium	%		10.73	8.80	10.40	9.34		
Potassium	%		3.68	3.40	3.42	3.69		
Sodium	%		1.22	1.25	1.28	1.31		
Other Bases	%		4.80	5.10	4.80	4.90		
Hydrogen	%		6.00	10.50	6.00	7.50		
EXTRACTABLE MINORS								
	Boron* (ppm)		0.64	0.60	0.42	0.44		
	Iron* (ppm)		168	183	182	169		
	Manganese* (ppm)		14	7	7	13		
	Copper* (ppm)		0.93	1.12	0.74	0.96		
	Zinc* (ppm)		25.51	14.99	30.89	10.66		
	Aluminum* (ppm)		227	263	250	262		
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							
	NO ₃ -N (ppm)		1.5	1.1	1.2	2.2		
	NH ₄ -N (ppm)		2.1	2.0	< 0.5	1.7		

* Mehlich III Extractable