

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

90018-5

Name Brooklake Country Club City Florham Park State NJ

Independent Consultant Soil and Water Consulting Date 8/12/2024

Sample Location	GREEN	3	6	9	14	
Sample Identification						
Lab Number		0281-1	0282-1	0283-1	0284-1	
Total Exchange Capacity (ME/100 g)		10.40	2.55	3.88	8.17	
pH	Buffer (SMP/Sikora)	7.5	7.5	7.5	7.4	
	H ₂ O (1:1)	6.5	6.5	6.4	6.3	
Organic Matter (360°C LOI) %		2.83	0.87	1.27	2.60	
Estimated Nitrogen Release	lb/A	77	35	45	72	
ANIONS	SOLUBLE SULFUR*					
	ppm	17	5	7	18	
	MEHLICH III lb/A P as P ₂ O ₅	1296	133	348	1012	
	ppm of P	283	29	76	221	
	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	3038	728	1072	2306
	ppm		1519	364	536	1153
	MAGNESIUM*	lb/A	274	58	98	184
	ppm		137	29	49	92
	POTASSIUM*	lb/A	176	70	110	156
	ppm		88	35	55	78
	SODIUM*	lb/A	70	36	48	74
	ppm		35	18	24	37
BASE SATURATION PERCENT						
Calcium	%	73.03	71.37	69.07	70.56	
Magnesium	%	10.98	9.48	10.52	9.38	
Potassium	%	2.17	3.52	3.63	2.45	
Sodium	%	1.46	3.07	2.69	1.97	
Other Bases	%	4.90	4.90	5.00	5.10	
Hydrogen	%	7.50	7.50	9.00	10.50	
EXTRACTABLE MINORS						
	Boron* (ppm)	0.61	0.25	0.42	0.73	
	Iron* (ppm)	422	95	256	370	
	Manganese* (ppm)	16	10	9	16	
	Copper* (ppm)	14.01	10.72	20.18	12.01	
	Zinc* (ppm)	18.76	4.50	12.51	14.55	
	Aluminum* (ppm)	406	115	178	361	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	6.0	2.5	2.8	4.2	
	NH ₄ -N (ppm)	0.9	0.7	1.2	1.4	

* Mehlich III Extractable