

lb/A

BROOKSIDE LABORATORIES, INC.

53894-11

SOIL AUDIT AND INVENTORY REPORT

Name River Winds Golf and Tennis City Deptford State NJIndependent Consultant Soil and Water Consulting Date 6/4/2024

Sample Location	TEE	2	14			
Sample Identification						
Lab Number		1665-1	1666-1			
Total Exchange Capacity (ME/100 g)		7.97	6.31			
pH	Buffer (SMP/Sikora)	7.4	NA			
	H ₂ O (1:1)	6.8	7.1			
Organic Matter (360°C LOI) %		3.55	2.97			
Estimated Nitrogen Release	lb/A	86	79			
ANIONS	SOLUBLE SULFUR*					
	ppm	15	23			
	MEHLICH III lb/A P as P ₂ O ₅	756	595			
	ppm of P	165	130			
	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	2252	1806		
	ppm		1126	903		
	MAGNESIUM*	lb/A	274	208		
	ppm		137	104		
	POTASSIUM*	lb/A	340	390		
	ppm		170	195		
	SODIUM*	lb/A	70	72		
	ppm		35	36		
BASE SATURATION PERCENT						
	Calcium %		70.64	71.55		
	Magnesium %		14.32	13.73		
	Potassium %		5.47	7.92		
	Sodium %		1.91	2.48		
	Other Bases %		4.60	4.30		
	Hydrogen %		3.00	0.00		
EXTRACTABLE MINORS						
	Boron* (ppm)		0.62	0.74		
	Iron* (ppm)		541	634		
	Manganese* (ppm)		14	16		
	Copper* (ppm)		8.08	4.07		
	Zinc* (ppm)		31.66	16.35		
	Aluminum* (ppm)		421	273		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		1.0	2.1		
	NH ₄ -N (ppm)		2.1	1.0		

* Mehlich III Extractable

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Sample Location	FAIRWAY	2	14			
Sample Identification						
Lab Number		1667-1	1668-1			
Total Exchange Capacity (ME/100 g)		7.58	7.38			
pH	Buffer (SMP/Sikora)	7.2	7.4			
	H ₂ O (1:1)	6.4	6.4			
Organic Matter (360°C LOI) %		3.05	3.67			
Estimated Nitrogen Release	lb/A	80	87			
ANIONS	SOLUBLE SULFUR*					
	ppm	12	28			
	MEHLICH III lb/A P as P ₂ O ₅	664	568			
	ppm of P	145	124			
	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	2016	1872		
	ppm		1008	936		
	MAGNESIUM*	lb/A	222	250		
	ppm		111	125		
	POTASSIUM*	lb/A	332	342		
	ppm		166	171		
	SODIUM*	lb/A	58	86		
	ppm		29	43		
BASE SATURATION PERCENT						
	Calcium	%	66.49	63.41		
	Magnesium	%	12.20	14.11		
	Potassium	%	5.62	5.94		
	Sodium	%	1.66	2.53		
	Other Bases	%	5.00	5.00		
	Hydrogen	%	9.00	9.00		
EXTRACTABLE MINORS						
	Boron* (ppm)		0.79	0.66		
	Iron* (ppm)		591	590		
	Manganese* (ppm)		9	11		
	Copper* (ppm)		8.36	7.55		
	Zinc* (ppm)		37.03	35.19		
	Aluminum* (ppm)		458	387		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		0.7	1.4		
	NH ₄ -N (ppm)		2.3	2.2		

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Sample Location	GREEN	2	14			
Sample Identification						
Lab Number		1669-1	1670-1			
Total Exchange Capacity (ME/100 g)		2.63	1.57			
pH	Buffer (SMP/Sikora)	7.5	7.6			
	H ₂ O (1:1)	6.8	7.0			
Organic Matter (360°C LOI) %		0.42	0.34			
Estimated Nitrogen Release	lb/A	17	14			
ANIONS	SOLUBLE SULFUR*					
	ppm	10	14			
	MEHLICH III lb/A P as P ₂ O ₅	110	110			
	ppm of P	24	24			
	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	796	384		
	ppm		398	192		
	MAGNESIUM*	lb/A	72	94		
	ppm		36	47		
	POTASSIUM*	lb/A	54	60		
	ppm		27	30		
	SODIUM*	lb/A	34	34		
	ppm		17	17		
BASE SATURATION PERCENT						
	Calcium %		75.67	61.15		
	Magnesium %		11.41	24.95		
	Potassium %		2.63	4.90		
	Sodium %		2.81	4.71		
	Other Bases %		4.60	4.40		
	Hydrogen %		3.00	0.00		
EXTRACTABLE MINORS						
	Boron* (ppm)		0.24	< 0.20		
	Iron* (ppm)		65	57		
	Manganese* (ppm)		7	8		
	Copper* (ppm)		0.93	0.77		
	Zinc* (ppm)		3.95	3.93		
	Aluminum* (ppm)		166	107		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		< 0.5	< 0.5		
	NH ₄ -N (ppm)		< 0.5	< 0.5		

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