

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

53874-19

Name Running Deer Golf Club City Elmer State NJIndependent Consultant Soil and Water Consulting Date 5/20/2021

Sample Location			TEE	3	14			
Sample Identification								
Lab Number				1191-1	1192-1			
Total Exchange Capacity (ME/100 g)				2.25	2.01			
pH (H ₂ O 1:1)				6.2	5.7			
Organic Matter (360°C LOI) %				1.00	0.85			
Estimated Nitrogen Release lb/A				40	34			
ANIONS	SOLUBLE SULFUR* ppm			50	27			
	PHOSPHORUS	MEHLICH III lb/A P as P ₂ O ₅	ppm of P	256	192			
				56	42			
		BRAY II lb/A P as P ₂ O ₅	ppm of P	215	174			
				47	38			
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	528	406			
			ppm	264	203			
	MAGNESIUM*		lb/A	56	46			
			ppm	28	23			
	POTASSIUM*		lb/A	192	110			
			ppm	96	55			
	SODIUM*		lb/A	28	28			
			ppm	14	14			
BASE SATURATION PERCENT								
Calcium %				58.67	50.50			
Magnesium %				10.37	9.54			
Potassium %				10.94	7.02			
Sodium %				2.71	3.03			
Other Bases %				5.20	6.00			
Hydrogen %				12.00	24.00			
EXTRACTABLE MINORS								
Boron* (ppm)				< 0.20	0.21			
Iron* (ppm)				254	205			
Manganese* (ppm)				6	4			
Copper* (ppm)				1.20	0.80			
Zinc* (ppm)				2.69	1.95			
Aluminum* (ppm)				182	131			
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							

* Mehlich III Extractable

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Sample Location			FAIRWAY	3	14			
Sample Identification								
Lab Number				1193-1	1194-1			
Total Exchange Capacity (ME/100 g)				5.58	5.35			
pH (H ₂ O 1:1)				6.6	5.9			
Organic Matter (360°C LOI) %				4.73	4.04			
Estimated Nitrogen Release lb/A				97	90			
ANIONS	SOLUBLE SULFUR* ppm			32	48			
	PHOSPHORUS	MEHLICH III lb/A P as P ₂ O ₅	156	147				
		ppm of P	34	32				
		BRAY II lb/A P as P ₂ O ₅	192	202				
		ppm of P	42	44				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	1504	1224				
		ppm	752	612				
	MAGNESIUM*	lb/A	194	140				
		ppm	97	70				
	POTASSIUM*	lb/A	258	270				
		ppm	129	135				
	SODIUM*	lb/A	36	46				
		ppm	18	23				
BASE SATURATION PERCENT								
Calcium %				67.38	57.20			
Magnesium %				14.49	10.90			
Potassium %				5.93	6.47			
Sodium %				1.40	1.87			
Other Bases %				4.80	5.60			
Hydrogen %				6.00	18.00			
EXTRACTABLE MINORS								
Boron* (ppm)				0.45	0.47			
Iron* (ppm)				274	332			
Manganese* (ppm)				4	6			
Copper* (ppm)				0.81	1.18			
Zinc* (ppm)				1.60	2.13			
Aluminum* (ppm)				623	618			
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							

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Sample Location	GREEN	3	14			
Sample Identification						
Lab Number		1195-1	1196-1			
Total Exchange Capacity (ME/100 g)		1.53	2.25			
pH (H ₂ O 1:1)		7.0	6.5			
Organic Matter (360°C LOI) %		0.75	0.88			
Estimated Nitrogen Release lb/A		30	35			
ANIONS	SOLUBLE SULFUR*	ppm	5	11		
	MEHLICH III	lb/A P as P ₂ O ₅	192	302		
		ppm of P	42	66		
	BRAY II	lb/A P as P ₂ O ₅	192	266		
		ppm of P	42	58		
	OLSEN	lb/A P as P ₂ O ₅				
		ppm of P				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	382	536		
		ppm	191	268		
	MAGNESIUM*	lb/A	102	122		
		ppm	51	61		
	POTASSIUM*	lb/A	32	52		
		ppm	16	26		
	SODIUM*	lb/A	20	26		
		ppm	10	13		
BASE SATURATION PERCENT						
	Calcium	%	62.42	59.56		
	Magnesium	%	27.78	22.59		
	Potassium	%	2.68	2.96		
	Sodium	%	2.84	2.51		
	Other Bases	%	4.40	4.90		
	Hydrogen	%	0.00	7.50		
EXTRACTABLE MINORS						
	Boron* (ppm)		0.25	0.39		
	Iron* (ppm)		101	187		
	Manganese* (ppm)		41	34		
	Copper* (ppm)		0.88	1.11		
	Zinc* (ppm)		3.00	3.92		
	Aluminum* (ppm)		121	150		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

* Mehlich III Extractable