

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

55399-13

 Name Valleybrook Country Club City Blackwood State NJ

 Independent Consultant Soil and Water Consulting Date 5/20/2021

Sample Location			TEE	4	15				
Sample Identification									
Lab Number				1185-1	1186-1				
Total Exchange Capacity (ME/100 g)				3.27	5.79				
pH (H ₂ O 1:1)				6.5	6.3				
Organic Matter (360°C LOI) %				1.20	2.30				
Estimated Nitrogen Release lb/A				44	66				
ANIONS	SOLUBLE SULFUR* ppm			7	11				
	PHOSPHORUS	MEHLICH III lb/A	P as P ₂ O ₅	408	747				
				ppm of P	89	163			
		BRAY II lb/A	P as P ₂ O ₅	440	1191				
				ppm of P	96	260			
EXCHANGEABLE CATIONS	CALCIUM*	lb/A		894	1486				
		ppm		447	743				
	MAGNESIUM*	lb/A		106	198				
		ppm		53	99				
	POTASSIUM*	lb/A		88	196				
		ppm		44	98				
	SODIUM*	lb/A		34	44				
		ppm		17	22				
BASE SATURATION PERCENT									
Calcium %				68.35	64.16				
Magnesium %				13.51	14.25				
Potassium %				3.45	4.34				
Sodium %				2.26	1.65				
Other Bases %				4.90	5.10				
Hydrogen %				7.50	10.50				
EXTRACTABLE MINORS									
Boron* (ppm)				0.29	0.50				
Iron* (ppm)				327	432				
Manganese* (ppm)				4	15				
Copper* (ppm)				0.66	1.97				
Zinc* (ppm)				2.83	5.66				
Aluminum* (ppm)				160	531				
OTHER TESTS	Soluble Salts (mmhos/cm)								
	Chlorides (ppm)								

* Mehlich III Extractable

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Sample Location	FAIRWAY	4	15			
Sample Identification						
Lab Number		1187-1	1188-1			
Total Exchange Capacity (ME/100 g)		3.43	8.20			
pH (H ₂ O 1:1)		6.0	7.0			
Organic Matter (360°C LOI) %		1.79	3.17			
Estimated Nitrogen Release lb/A		56	82			
ANIONS	SOLUBLE SULFUR*	ppm	9	19		
	MEHLICH III	lb/A P as P ₂ O ₅	692	545		
		ppm of P	151	119		
	BRAY II	lb/A P as P ₂ O ₅	1140	1172		
		ppm of P	249	256		
	OLSEN	lb/A P as P ₂ O ₅				
		ppm of P				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	834	2204		
		ppm	417	1102		
	MAGNESIUM*	lb/A	102	396		
		ppm	51	198		
	POTASSIUM*	lb/A	108	224		
		ppm	54	112		
	SODIUM*	lb/A	38	182		
		ppm	19	91		
BASE SATURATION PERCENT						
	Calcium	%	60.79	67.20		
	Magnesium	%	12.39	20.12		
	Potassium	%	4.04	3.50		
	Sodium	%	2.41	4.83		
	Other Bases	%	5.40	4.40		
	Hydrogen	%	15.00	0.00		
EXTRACTABLE MINORS						
	Boron* (ppm)		0.27	0.70		
	Iron* (ppm)		271	388		
	Manganese* (ppm)		7	11		
	Copper* (ppm)		2.40	2.49		
	Zinc* (ppm)		5.90	4.83		
	Aluminum* (ppm)		396	488		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

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Sample Location			GREEN	4	15				
Sample Identification									
Lab Number				1189-1	1190-1				
Total Exchange Capacity (ME/100 g)				2.49	3.26				
pH (H ₂ O 1:1)				6.5	6.7				
Organic Matter (360°C LOI) %				1.47	1.41				
Estimated Nitrogen Release lb/A				49	48				
ANIONS	SOLUBLE SULFUR* ppm			10	25				
	PHOSPHORUS	MEHLICH III lb/A P as P ₂ O ₅		325	573				
			ppm of P		71	125			
		BRAY II lb/A P as P ₂ O ₅		417	692				
			ppm of P		91	151			
EXCHANGEABLE CATIONS	CALCIUM*	lb/A		608	860				
		ppm		304	430				
	MAGNESIUM*	lb/A		120	120				
		ppm		60	60				
	POTASSIUM*	lb/A		70	178				
		ppm		35	89				
	SODIUM*	lb/A		32	36				
		ppm		16	18				
BASE SATURATION PERCENT									
Calcium %				61.04	65.95				
Magnesium %				20.08	15.34				
Potassium %				3.60	7.00				
Sodium %				2.79	2.40				
Other Bases %				4.90	4.70				
Hydrogen %				7.50	4.50				
EXTRACTABLE MINORS									
Boron* (ppm)				0.33	0.35				
Iron* (ppm)				312	364				
Manganese* (ppm)				26	27				
Copper* (ppm)				1.28	1.83				
Zinc* (ppm)				4.20	5.84				
Aluminum* (ppm)				164	262				
OTHER TESTS	Soluble Salts (mmhos/cm)								
	Chlorides (ppm)								

* Mehlich III Extractable