

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

58514-14

Name Blue Heron Pines Country Club City Egg Harbor City State NJIndependent Consultant Soil and Water Consulting Date 5/25/2021

Sample Location			TEE	9	18			
Sample Identification								
Lab Number				0353-1	0354-1			
Total Exchange Capacity (ME/100 g)				6.21	5.84			
pH (H ₂ O 1:1)				6.4	6.2			
Organic Matter (360°C LOI) %				2.71	3.33			
Estimated Nitrogen Release lb/A				74	83			
ANIONS	SOLUBLE SULFUR* ppm			32	16			
	PHOSPHORUS	MEHLICH III lb/A	P as P ₂ O ₅	169	261			
			ppm of P	37	57			
		BRAY II lb/A	P as P ₂ O ₅	160	224			
			ppm of P	35	49			
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	1708	1578				
		ppm	854	789				
	MAGNESIUM*	lb/A	212	160				
		ppm	106	80				
	POTASSIUM*	lb/A	72	98				
		ppm	36	49				
	SODIUM*	lb/A	44	44				
		ppm	22	22				
BASE SATURATION PERCENT								
Calcium %				68.76	67.55			
Magnesium %				14.22	11.42			
Potassium %				1.49	2.15			
Sodium %				1.54	1.64			
Other Bases %				5.00	5.20			
Hydrogen %				9.00	12.00			
EXTRACTABLE MINORS								
Boron* (ppm)				0.42	0.34			
Iron* (ppm)				229	229			
Manganese* (ppm)				12	8			
Copper* (ppm)				1.85	1.75			
Zinc* (ppm)				4.81	4.15			
Aluminum* (ppm)				486	361			
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							

* Mehlich III Extractable

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Sample Location			FAIRWAY	9	18			
Sample Identification								
Lab Number				0355-1	0356-1			
Total Exchange Capacity (ME/100 g)				4.60	7.80			
pH (H ₂ O 1:1)				5.7	6.2			
Organic Matter (360°C LOI) %				2.98	3.85			
Estimated Nitrogen Release				lb/A	80	88		
ANIONS	SOLUBLE SULFUR*			ppm	10	27		
	PHOSPHORUS	MEHLICH III	lb/A	P as P ₂ O ₅	472	490		
				ppm of P	103	107		
		BRAY II	lb/A	P as P ₂ O ₅	499	444		
				ppm of P	109	97		
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	1030	1966			
			ppm	515	983			
	MAGNESIUM*		lb/A	108	266			
			ppm	54	133			
	POTASSIUM*		lb/A	92	238			
			ppm	46	119			
	SODIUM*		lb/A	34	58			
			ppm	17	29			
BASE SATURATION PERCENT								
Calcium %				55.98	63.01			
Magnesium %				9.78	14.21			
Potassium %				2.56	3.91			
Sodium %				1.61	1.62			
Other Bases %				6.00	5.20			
Hydrogen %				24.00	12.00			
EXTRACTABLE MINORS								
Boron* (ppm)				0.23	0.67			
Iron* (ppm)				268	351			
Manganese* (ppm)				10	10			
Copper* (ppm)				2.06	3.02			
Zinc* (ppm)				6.13	6.93			
Aluminum* (ppm)				498	578			
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							

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Sample Location			GREEN	9	18			
Sample Identification								
Lab Number				0357-1	0358-1			
Total Exchange Capacity (ME/100 g)				2.49	2.65			
pH (H ₂ O 1:1)				6.8	6.9			
Organic Matter (360°C LOI) %				1.10	1.03			
Estimated Nitrogen Release lb/A				42	41			
ANIONS	SOLUBLE SULFUR* ppm			9	7			
	PHOSPHORUS	MEHLICH III lb/A P as P ₂ O ₅	ppm of P	220	165			
				48	36			
		BRAY II lb/A P as P ₂ O ₅	ppm of P	142	105			
				31	23			
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	688	720				
		ppm	344	360				
	MAGNESIUM*	lb/A	108	128				
		ppm	54	64				
	POTASSIUM*	lb/A	60	66				
		ppm	30	33				
	SODIUM*	lb/A	26	34				
		ppm	13	17				
BASE SATURATION PERCENT								
Calcium %				69.08	67.92			
Magnesium %				18.07	20.13			
Potassium %				3.09	3.19			
Sodium %				2.27	2.79			
Other Bases %				4.60	4.50			
Hydrogen %				3.00	1.50			
EXTRACTABLE MINORS								
Boron* (ppm)				0.25	< 0.20			
Iron* (ppm)				97	89			
Manganese* (ppm)				22	24			
Copper* (ppm)				0.79	0.96			
Zinc* (ppm)				7.26	7.32			
Aluminum* (ppm)				169	142			
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							

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