

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Blue Heron Pines Country Club City Egg Harbor City State NJ

Independent Consultant Soil and Water Consulting Date 8/28/2018

Sample Location <u>GREEN</u>		1	2	16		
Sample Identification						
Lab Number		0286-1	0287-1	0288-1		
Total Exchange Capacity (ME/100 g)		2.78	2.23	2.54		
pH	Buffer (SMP/Sikora)	7.6	NA	7.5		
	H ₂ O (1:1)	6.8	7.1	6.8		
Organic Matter (360°C LOI) %		1.34	0.99	0.96		
Estimated Nitrogen Release lb/A		47	40	38		
ANIONS	SOLUBLE SULFUR*	ppm	11	9	8	
	PHOSPHORUS	MEHLICH III lb/A P as P ₂ O ₅ ppm of P	211	188	183	
			46	41	40	
		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	672	512	594	
		ppm	336	256	297	
	MAGNESIUM*	lb/A	150	152	148	
		ppm	75	76	74	
	POTASSIUM*	lb/A	96	72	82	
		ppm	48	36	41	
	SODIUM*	lb/A	66	60	64	
		ppm	33	30	32	
BASE SATURATION PERCENT						
	Calcium	%	60.43	57.40	58.46	
	Magnesium	%	22.48	28.40	24.28	
	Potassium	%	4.43	4.14	4.14	
	Sodium	%	5.16	5.85	5.48	
	Other Bases	%	4.60	4.30	4.60	
	Hydrogen	%	3.00	0.00	3.00	
EXTRACTABLE MINORS						
	Boron* (ppm)		0.21	< 0.20	0.26	
	Iron* (ppm)		97	91	78	
	Manganese* (ppm)		19	19	23	
	Copper* (ppm)		1.14	0.80	0.90	
	Zinc* (ppm)		9.22	10.41	8.16	
	Aluminum* (ppm)		155	150	168	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		4.5	3.4	3.1	
	NH ₄ -N (ppm)		5.0	3.6	4.3	

* Mehlich III Extractable