

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Blue Heron Pines Country Club
550 Country Club Drive
Egg Harbor City, NJ 08215

File Number: 58514
Date Received: 4/25/2016
Date Reported: 4/27/2016

Submitted By: Soil and Water Consulting

Lab Number	0011			0012			
Description	FAIRWAY			FAIRWAY			
	7			14			
pH	7.2			7.4			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	275			188			
Chloride	24			23			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	109.82			97.62			
Sulfur	34.62			9.16			
Phosphorus	0.57			0.52			
Calcium	40.73	2.03	41.90	30.27	1.51	43.35	
Magnesium	19.16	1.58	32.48	12.99	1.07	30.66	
Potassium	24.11	0.62	12.71	18.64	0.48	13.68	
Sodium	14.40	0.63	12.91	9.87	0.43	12.31	
TOTAL		4.85	100		3.48	100	
Boron	0.08			0.05			
Iron	4.12			6.16			
Manganese	0.31			0.21			
Copper	0.16			0.15			
Zinc	0.05			0.04			
Aluminum	4.82			5.24			
Ammonium (NH4-N)	1.0			1.2			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.47			0.38			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0013			0014			
Description	GREEN			GREEN			
	7			14			
pH	7.5			7.5			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	135			119			
Chloride	15			9			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	73.21			70.77			
Sulfur	6.35			4.70			
Phosphorus	0.42			0.44			
Calcium	18.78	0.94	40.26	20.15	1.01	46.63	
Magnesium	8.94	0.73	31.58	7.51	0.62	28.65	
Potassium	15.55	0.40	17.09	11.93	0.31	14.15	
Sodium	5.93	0.26	11.08	5.24	0.23	10.57	
TOTAL		2.33	100		2.16	100	
Boron	< 0.01			0.02			
Iron	1.15			1.17			
Manganese	0.30			0.29			
Copper	0.12			0.09			
Zinc	0.06			0.05			
Aluminum	1.71			2.29			
Ammonium (NH ₄ -N)	0.9			0.8			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.28			0.25			

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Lab Number	0015			0016			
Description	TEE			TEE			
	7			14			
pH	7.4			7.4			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	175			174			
Chloride	17			15			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	117.14			134.22			
Sulfur	3.14			4.21			
Phosphorus	0.31			0.96			
Calcium	34.61	1.73	55.13	33.73	1.68	53.25	
Magnesium	11.24	0.92	29.51	11.44	0.94	29.76	
Potassium	6.71	0.17	5.48	7.91	0.20	6.40	
Sodium	7.12	0.31	9.88	7.69	0.33	10.59	
TOTAL		3.13	100		3.16	100	
Boron	0.02			0.02			
Iron	1.39			2.63			
Manganese	0.16			0.18			
Copper	0.09			0.08			
Zinc	0.03			0.03			
Aluminum	2.07			4.96			
Ammonium (NH ₄ -N)	0.9			0.8			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.27			0.29			

* Soluble Salts: mmhos/cm = ppm / 640