

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Running Deer Golf Club
Elmer, NJ 08318

File Number: 53874
Date Received: 5/4/2015
Date Reported: 5/6/2015

Submitted By: Soil and Water Consulting

Lab Number	0113			0114			
Description	FAIRWAY			FAIRWAY			
	9			13			
pH	6.8			6.6			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	31			110			
Chloride	5			4			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	24.40			43.93			
Sulfur	2.63			13.09			
Phosphorus	0.34			0.20			
Calcium	2.18	0.11	20.80	15.69	0.78	47.92	
Magnesium	1.03	0.08	16.23	4.50	0.37	22.68	
Potassium	3.80	0.10	18.61	8.52	0.22	13.34	
Sodium	5.33	0.23	44.37	6.04	0.26	16.06	
TOTAL		0.52	100		1.63	100	
Boron	0.04			0.03			
Iron	0.05			5.46			
Manganese	0.04			0.24			
Copper	0.01			0.07			
Zinc	0.01			0.03			
Aluminum	0.72			3.70			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.75			0.35			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0115			0116			
Description	GREEN			GREEN			
	5			7			
pH	6.8			6.7			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	116			193			
Chloride	5			3			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	29.28			26.84			
Sulfur	15.72			35.55			
Phosphorus	0.99			0.73			
Calcium	18.89	0.94	53.45	33.85	1.69	58.53	
Magnesium	3.31	0.27	15.44	6.51	0.54	18.57	
Potassium	10.84	0.28	15.72	15.05	0.38	13.34	
Sodium	6.24	0.27	15.38	6.35	0.28	9.57	
TOTAL		1.76	100		2.89	100	
Boron	0.04			0.04			
Iron	1.49			0.27			
Manganese	1.01			1.29			
Copper	0.08			0.08			
Zinc	0.11			0.08			
Aluminum	2.60			0.50			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.35			0.26			

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Lab Number	0117
Description	GREEN
	13

pH	7.0
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	109					
Chloride	9					
Nitrate (NO3-N)	< 0.5					
Bicarbonate	36.61					

Sulfur	10.35					
Phosphorus	0.94					
Calcium	13.82	0.69	44.75			
Magnesium	3.17	0.26	16.93			
Potassium	12.87	0.33	21.36			
Sodium	6.01	0.26	16.96			
TOTAL		1.54	100			

Boron	0.03
Iron	0.30
Manganese	0.24
Copper	0.08
Zinc	0.04
Aluminum	0.65
Ammonium (NH4-N)	< 0.5

ESP (calculated)	< .01
SAR (calculated)	0.38

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Lab Number	0118			0119			
Description	TEE			TEE			
	5			13			
pH	7.1			7.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	200			127			
Chloride	3			3			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	63.45			29.28			
Sulfur	29.59			18.95			
Phosphorus	0.58			0.43			
Calcium	36.55	1.82	57.72	14.53	0.73	39.78	
Magnesium	9.10	0.75	23.69	5.13	0.42	23.17	
Potassium	12.04	0.31	9.75	11.56	0.30	16.22	
Sodium	6.43	0.28	8.85	8.74	0.38	20.84	
TOTAL		3.16	100		1.82	100	
Boron	0.02			0.04			
Iron	0.52			1.91			
Manganese	0.28			0.05			
Copper	0.05			0.08			
Zinc	0.04			0.04			
Aluminum	0.44			1.00			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.25			0.50			

* Soluble Salts: mmhos/cm = ppm / 640