

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Running Deer Golf Club
Elmer, NJ 08318

File Number: 53874
Date Received: 4/25/2016
Date Reported: 4/27/2016

Submitted By: Soil and Water Consulting

Lab Number	0081			0082			
Description	FAIRWAY			FAIRWAY			
	9			15			
pH	7.6			7.6			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	252			194			
Chloride	25			22			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	117.14			97.62			
Sulfur	19.92			13.98			
Phosphorus	0.46			0.23			
Calcium	45.70	2.28	48.91	39.09	1.95	52.49	
Magnesium	18.14	1.49	32.01	12.02	0.99	26.60	
Potassium	23.52	0.60	12.90	20.80	0.53	14.32	
Sodium	6.63	0.29	6.18	5.63	0.24	6.58	
TOTAL		4.66	100		3.72	100	
Boron	0.04			0.04			
Iron	8.59			6.48			
Manganese	0.26			0.31			
Copper	0.09			0.07			
Zinc	0.06			0.03			
Aluminum	10.24			3.05			
Ammonium (NH4-N)	2.7			1.5			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.21			0.20			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0083			0084			
Description	GREEN			GREEN			
	9			15			
pH	7.6			7.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	37			56			
Chloride	2			4			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	14.64			29.28			
Sulfur	3.38			4.05			
Phosphorus	1.34			1.28			
Calcium	5.45	0.27	37.88	7.70	0.38	43.60	
Magnesium	2.39	0.20	27.40	2.58	0.21	24.04	
Potassium	4.52	0.12	16.12	4.70	0.12	13.63	
Sodium	3.07	0.13	18.60	3.79	0.16	18.72	
TOTAL		0.72	100		0.88	100	
Boron	0.03			0.03			
Iron	1.45			1.57			
Manganese	0.10			0.14			
Copper	0.08			0.10			
Zinc	0.06			0.05			
Aluminum	2.21			1.94			
Ammonium (NH4-N)	< 0.5			0.6			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.28			0.30			

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Lab Number	0085			0086		
Description	TEE 9			TEE 15		
pH	7.1			7.3		
	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	157			105		
Chloride	10			10		
Nitrate (NO3-N)	< 0.5			< 0.5		
Bicarbonate	87.85			58.57		
Sulfur	5.69			9.04		
Phosphorus	0.78			0.80		
Calcium	28.79	1.44	53.62	21.48	1.07	49.56
Magnesium	9.08	0.75	27.86	7.06	0.58	26.86
Potassium	10.46	0.27	9.99	9.66	0.25	11.43
Sodium	5.25	0.23	8.53	6.05	0.26	12.16
TOTAL		2.68	100		2.16	100
Boron	0.03			0.03		
Iron	2.41			5.19		
Manganese	0.42			0.14		
Copper	0.13			0.08		
Zinc	0.11			0.06		
Aluminum	1.88			5.26		
Ammonium (NH4-N)	1.1			1.8		
ESP (calculated)	< .01			< .01		
SAR (calculated)	0.22			0.29		

* Soluble Salts: mmhos/cm = ppm / 640