

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Running Deer Golf Club
Elmer, NJ 08318

File Number: 53874
Date Received: 5/17/2021
Date Reported: 5/19/2021

Submitted By: Soil and Water Consulting

Lab Number	0041			0042			
Description	TEE			TEE			
	3			14			
pH	6.7			7.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	474			273			
Chloride	9			11			
Nitrate (NO ₃ -N)	0.7			< 0.5			
Bicarbonate	8.79			11.64			
Sulfur	114.72			57.42			
Phosphorus	0.15			0.45			
Calcium	59.82	2.99	41.47	23.81	1.19	32.93	
Magnesium	11.34	0.93	12.95	4.89	0.40	11.14	
Potassium	109.81	2.81	39.02	59.01	1.51	41.83	
Sodium	10.85	0.47	6.55	11.69	0.51	14.09	
TOTAL		7.20	100		3.61	100	
Boron	0.04			0.06			
Iron	1.09			2.43			
Manganese	1.57			0.58			
Copper	< 0.01			0.02			
Zinc	0.09			0.06			
Aluminum	0.61			2.28			
Ammonium (NH ₄ -N)	7.9			5.3			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.34			0.57			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0043			0044			
Description	FAIRWAY			FAIRWAY			
	3			14			
pH	7.4			7.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	254			221			
Chloride	13			12			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	37.46			22.48			
Sulfur	43.36			43.41			
Phosphorus	0.14			0.16			
Calcium	34.28	1.71	41.33	29.33	1.46	42.20	
Magnesium	10.30	0.85	20.47	7.07	0.58	16.77	
Potassium	42.00	1.07	25.96	41.48	1.06	30.59	
Sodium	11.65	0.51	12.24	8.33	0.36	10.44	
TOTAL		4.14	100		3.47	100	
Boron	0.03			0.03			
Iron	2.67			2.84			
Manganese	0.26			0.30			
Copper	0.01			< 0.01			
Zinc	0.03			0.06			
Aluminum	2.90			3.51			
Ammonium (NH ₄ -N)	2.5			2.1			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.45			0.36			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0045			0046			
Description	GREEN			GREEN			
	3			14			
pH	7.4			7.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	63			188			
Chloride	3			3			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	24.94			14.79			
Sulfur	5.82			43.20			
Phosphorus	0.84			0.70			
Calcium	6.29	0.31	32.41	25.11	1.25	40.37	
Magnesium	3.25	0.27	27.60	14.68	1.21	38.89	
Potassium	6.38	0.16	16.84	15.35	0.39	12.65	
Sodium	5.16	0.22	23.16	5.78	0.25	8.09	
TOTAL		0.97	100		3.10	100	
Boron	0.04			0.06			
Iron	1.30			1.74			
Manganese	0.07			0.27			
Copper	0.01			< 0.01			
Zinc	0.03			0.04			
Aluminum	2.77			3.63			
Ammonium (NH ₄ -N)	< 0.5			1.0			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.42			0.23			

* Soluble Salts: mmhos/cm = ppm / 640