

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Revere Golf Club
Henderson, NV

File Number: 72361
Date Received: 9/28/2016
Date Reported: 9/30/2016

Submitted By: Soil and Water Consulting

Lab Number	0038			0039			
Description	CONCORD COURSE FAIRWAY 16			CONCORD COURSE GREEN 16			
pH	7.5			7.7			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	2016			531			
Chloride	161			74			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	173.27			124.46			
Sulfur	438.51			72.95			
Phosphorus	0.25			1.08			
Calcium	384.07	19.16	48.50	60.21	3.00	32.92	
Magnesium	71.39	5.87	14.86	16.64	1.37	15.00	
Potassium	41.47	1.06	2.68	16.52	0.42	4.63	
Sodium	308.61	13.42	33.96	99.58	4.33	47.45	
TOTAL		39.51	100		9.13	100	
Boron	0.41			0.14			
Iron	0.22			0.22			
Manganese	0.37			0.20			
Copper	0.03			0.02			
Zinc	< 0.01			0.02			
Aluminum	0.59			0.94			
Ammonium (NH ₄ -N)	1.1			1.1			
ESP (calculated)	4.15			2.97			
SAR (calculated)	3.79			2.93			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0040
Description	CONCORD COURSE
	TEE
	16

pH	7.9
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	964					
Chloride	175					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	197.67					

Sulfur	109.57					
Phosphorus	1.17					
Calcium	68.42	3.41	21.42			
Magnesium	19.25	1.58	9.93			
Potassium	24.27	0.62	3.89			
Sodium	237.48	10.33	64.76			
TOTAL		15.94	100			

Boron	0.44
Iron	0.82
Manganese	0.20
Copper	0.03
Zinc	0.03
Aluminum	1.90
Ammonium (NH ₄ -N)	1.1

ESP (calculated)	7.73
SAR (calculated)	6.53

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Lab Number	0041			0042			
Description	LEXINGTON COURSE			LEXINGTON COURSE			
	FAIRWAY			FAIRWAY			
	7			16			
pH	7.7			7.7			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	2022			2144			
Chloride	223			304			
Nitrate (NO3-N)	1.4			0.8			
Bicarbonate	178.15			180.59			
Sulfur	422.61			405.18			
Phosphorus	1.99			1.00			
Calcium	376.77	18.80	45.95	360.18	17.97	43.03	
Magnesium	76.78	6.31	15.43	76.94	6.33	15.15	
Potassium	51.97	1.33	3.25	53.15	1.36	3.25	
Sodium	332.89	14.47	35.37	370.57	16.11	38.57	
TOTAL		40.92	100		41.77	100	
Boron	0.43			0.41			
Iron	0.02			< 0.01			
Manganese	0.15			0.35			
Copper	0.08			0.07			
Zinc	0.01			0.02			
Aluminum	0.27			0.23			
Ammonium (NH4-N)	1.8			2.2			
ESP (calculated)	4.55			5.27			
SAR (calculated)	4.08			4.62			

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Lab Number	0043			0044			
Description	LEXINGTON COURSE GREEN 7			LEXINGTON COURSE GREEN 16			
pH	8.0			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	426			452			
Chloride	60			60			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	97.62			112.26			
Sulfur	60.47			54.79			
Phosphorus	0.68			1.04			
Calcium	52.76	2.63	33.98	42.63	2.13	27.65	
Magnesium	13.04	1.07	13.84	11.26	0.93	12.03	
Potassium	12.03	0.31	3.97	17.62	0.45	5.86	
Sodium	85.89	3.73	48.20	96.36	4.19	54.46	
TOTAL		7.75	100		7.69	100	
Boron	0.10			0.16			
Iron	0.10			0.81			
Manganese	0.08			0.22			
Copper	0.06			0.06			
Zinc	0.02			0.07			
Aluminum	0.58			2.03			
Ammonium (NH ₄ -N)	1.3			1.0			
ESP (calculated)	2.71			3.61			
SAR (calculated)	2.74			3.39			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0045			0046			
Description	LEXINGTON COURSE			LEXINGTON COURSE			
	TEE			TEE			
	7			16			
pH	7.9			7.8			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1036			2035			
Chloride	220			626			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	248.92			253.80			
Sulfur	83.65			245.13			
Phosphorus	2.09			2.86			
Calcium	93.79	4.68	27.94	232.82	11.62	31.92	
Magnesium	26.98	2.22	13.24	67.25	5.53	15.20	
Potassium	27.61	0.71	4.21	44.14	1.13	3.10	
Sodium	210.40	9.15	54.60	416.66	18.12	49.78	
TOTAL		16.75	100		36.39	100	
Boron	0.22			0.55			
Iron	< 0.01			0.72			
Manganese	0.45			0.52			
Copper	0.06			0.12			
Zinc	0.08			0.11			
Aluminum	0.29			1.32			
Ammonium (NH ₄ -N)	3.1			3.7			
ESP (calculated)	5.66			7.29			
SAR (calculated)	4.93			6.19			

* Soluble Salts: mmhos/cm = ppm / 640