

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Revere Golf Club
Henderson, NV

File Number: 72361
Date Received: 3/30/2017
Date Reported: 4/3/2017

Submitted By: Soil and Water Consulting

Lab Number	0022			0023			
Description	CONCORD COURSE			CONCORD COURSE			
	TEE 1			FAIRWAY 1			
pH	7.5			7.7			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1158			3251			
Chloride	260			838			
Nitrate (NO3-N)	3.9			2.2			
Bicarbonate	244.04			280.65			
Sulfur	82.70			563.73			
Phosphorus	3.93			0.62			
Calcium	91.06	4.54	25.71	469.81	23.44	39.79	
Magnesium	23.80	1.96	11.08	100.59	8.27	14.04	
Potassium	36.14	0.92	5.23	77.39	1.98	3.36	
Sodium	235.69	10.25	57.98	580.00	25.22	42.81	
TOTAL		17.67	100		58.91	100	
Boron	0.27			0.70			
Iron	1.00			0.35			
Manganese	0.19			0.19			
Copper	0.03			0.04			
Zinc	0.02			< 0.01			
Aluminum	2.55			0.78			
Ammonium (NH4-N)	2.1			1.6			
ESP (calculated)	6.65			7.48			
SAR (calculated)	5.68			6.33			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number 0024
Description CONCORD COURSE
GREEN 1

pH 8.1

	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	608					
Chloride	66					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	148.86					
Sulfur	92.07					
Phosphorus	1.21					
Calcium	62.30	3.11	28.98			
Magnesium	18.27	1.50	14.01			
Potassium	20.78	0.53	4.95			
Sodium	128.45	5.58	52.06			
TOTAL		10.73	100			
Boron	0.17					
Iron	0.40					
Manganese	0.08					
Copper	0.05					
Zinc	0.03					
Aluminum	1.47					
Ammonium (NH ₄ -N)	< 0.5					
ESP (calculated)	4.00					
SAR (calculated)	3.68					

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Lab Number	0025			0026			
Description	LEXINGTON COURSE			LEXINGTON COURSE			
	TEE 1			TEE 10			
pH	8.0			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1440			1472			
Chloride	306			342			
Nitrate (NO3-N)	20.6			17.1			
Bicarbonate	236.72			273.32			
Sulfur	114.83			105.48			
Phosphorus	3.72			3.84			
Calcium	109.13	5.45	25.80	117.03	5.84	22.32	
Magnesium	30.54	2.51	11.90	35.23	2.90	11.08	
Potassium	34.52	0.88	4.18	38.93	1.00	3.81	
Sodium	282.13	12.27	58.12	377.79	16.43	62.79	
TOTAL		21.11	100		26.16	100	
Boron	0.28			0.35			
Iron	0.40			0.86			
Manganese	0.05			0.03			
Copper	0.06			0.07			
Zinc	0.03			0.03			
Aluminum	1.21			1.57			
Ammonium (NH4-N)	1.4			1.1			
ESP (calculated)	7.24			9.36			
SAR (calculated)	6.15			7.86			

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Lab Number	0027			0028			
Description	LEXINGTON COURSE			LEXINGTON COURSE			
	FWY 1			FWY 10			
pH	7.9			7.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	2957			3040			
Chloride	506			580			
Nitrate (NO3-N)	7.4			8.4			
Bicarbonate	229.40			217.20			
Sulfur	556.57			623.82			
Phosphorus	1.44			1.62			
Calcium	484.54	24.18	41.80	531.95	26.54	42.66	
Magnesium	89.04	7.32	12.66	97.63	8.03	12.90	
Potassium	69.05	1.77	3.05	72.41	1.85	2.98	
Sodium	565.14	24.57	42.48	593.22	25.79	41.46	
TOTAL		57.84	100		62.22	100	
Boron	0.55			0.58			
Iron	0.37			0.32			
Manganese	0.06			0.06			
Copper	0.06			0.03			
Zinc	< 0.01			< 0.01			
Aluminum	1.02			1.08			
Ammonium (NH4-N)	1.2			1.4			
ESP (calculated)	7.30			7.31			
SAR (calculated)	6.19			6.20			

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Lab Number	0029			0030			
Description	LEXINGTON COURSE GREEN 1			LEXINGTON COURSE GREEN 10			
pH	8.1			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	719			582			
Chloride	93			61			
Nitrate (NO3-N)	< 0.5			0.7			
Bicarbonate	139.10			112.26			
Sulfur	116.00			95.31			
Phosphorus	1.00			0.67			
Calcium	76.68	3.83	28.21	61.83	3.09	29.31	
Magnesium	20.09	1.65	12.18	16.60	1.37	12.97	
Potassium	18.96	0.48	3.57	14.33	0.37	3.48	
Sodium	174.82	7.60	56.03	131.31	5.71	54.24	
TOTAL		13.56	100		10.53	100	
Boron	0.19			0.16			
Iron	0.33			0.28			
Manganese	0.08			0.02			
Copper	0.04			< 0.01			
Zinc	0.05			0.04			
Aluminum	1.20			1.24			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	5.23			4.20			
SAR (calculated)	4.59			3.83			

* Soluble Salts: mmhos/cm = ppm / 640