

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Revere Golf Club
Henderson, NV

File Number: 72361
Date Received: 3/28/2016
Date Reported: 3/30/2016

Submitted By: Soil and Water Consulting

Lab Number	0207			0208			
Description	CONCORD COURSE			CONCORD COURSE			
	FAIRWAY			GREEN			
	14			14			
pH	7.7			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	3392			947			
Chloride	825			179			
Nitrate (NO ₃ -N)	4.3			0.6			
Bicarbonate	207.43			131.78			
Sulfur	591.84			172.82			
Phosphorus	0.46			1.15			
Calcium	584.59	29.17	39.71	109.33	5.46	33.11	
Magnesium	120.76	9.93	13.52	28.09	2.31	14.02	
Potassium	101.63	2.60	3.54	23.29	0.60	3.62	
Sodium	730.50	31.76	43.23	186.63	8.11	49.25	
TOTAL		73.46	100		16.48	100	
Boron	0.88			0.24			
Iron	< 0.01			< 0.01			
Manganese	0.05			< 0.01			
Copper	0.05			0.08			
Zinc	< 0.01			< 0.01			
Aluminum	< 0.01			0.12			
Ammonium (NH ₄ -N)	5.3			0.7			
ESP (calculated)	8.54			4.59			
SAR (calculated)	7.18			4.12			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0209
Description	CONCORD COURSE
	TEE
	14

pH	8.0
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	1247					
Chloride	396					
Nitrate (NO ₃ -N)	1.0					
Bicarbonate	192.79					
Sulfur	110.78					
Phosphorus	2.53					
Calcium	113.49	5.66	24.08			
Magnesium	31.91	2.62	11.16			
Potassium	36.10	0.92	3.93			
Sodium	329.05	14.31	60.83			
TOTAL		23.52	100			
Boron	0.52					
Iron	0.82					
Manganese	0.04					
Copper	0.05					
Zinc	0.02					
Aluminum	2.32					
Ammonium (NH ₄ -N)	1.5					
ESP (calculated)	8.35					
SAR (calculated)	7.03					

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Lab Number	0210			0211			
Description	LEXINGTON COURSE			LEXINGTON COURSE			
	FAIRWAY			FAIRWAY			
	1			14			
pH	7.8			7.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	3475			2950			
Chloride	829			780			
Nitrate (NO3-N)	23.9			< 0.5			
Bicarbonate	226.96			222.08			
Sulfur	602.19			416.39			
Phosphorus	0.55			0.28			
Calcium	640.03	31.94	42.40	487.39	24.32	38.54	
Magnesium	132.59	10.90	14.47	115.69	9.51	15.07	
Potassium	93.37	2.39	3.17	79.55	2.03	3.22	
Sodium	692.33	30.10	39.96	626.58	27.24	43.17	
TOTAL		75.33	100		63.11	100	
Boron	0.67			0.63			
Iron	< 0.01			< 0.01			
Manganese	0.27			0.46			
Copper	0.05			0.04			
Zinc	< 0.01			< 0.01			
Aluminum	0.30			0.11			
Ammonium (NH4-N)	5.3			1.6			
ESP (calculated)	7.69			7.84			
SAR (calculated)	6.50			6.62			

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Lab Number	0212			0213			
Description	LEXINGTON COURSE			LEXINGTON COURSE			
	GREEN			GREEN			
	1			14			
pH	8.0			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1187			693			
Chloride	275			89			
Nitrate (NO3-N)	0.5			< 0.5			
Bicarbonate	117.14			129.34			
Sulfur	216.49			103.27			
Phosphorus	2.26			1.48			
Calcium	138.24	6.90	32.58	66.92	3.34	27.72	
Magnesium	37.12	3.05	14.42	18.10	1.49	12.36	
Potassium	27.54	0.70	3.33	17.19	0.44	3.65	
Sodium	241.98	10.52	49.68	155.90	6.78	56.27	
TOTAL		21.18	100		12.05	100	
Boron	0.24			0.15			
Iron	< 0.01			< 0.01			
Manganese	0.03			0.07			
Copper	0.08			0.03			
Zinc	0.02			0.02			
Aluminum	0.25			0.11			
Ammonium (NH4-N)	1.0			1.7			
ESP (calculated)	5.39			4.92			
SAR (calculated)	4.72			4.36			

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Lab Number	0214			0215			
Description	LEXINGTON COURSE			LEXINGTON COURSE			
	TEE			TEE			
	1			14			
pH	8.0			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1485			1357			
Chloride	538			415			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	214.76			200.11			
Sulfur	107.79			148.83			
Phosphorus	0.47			0.46			
Calcium	116.23	5.80	22.99	151.62	7.57	29.01	
Magnesium	32.36	2.66	10.55	38.67	3.18	12.20	
Potassium	36.82	0.94	3.73	36.91	0.94	3.62	
Sodium	364.06	15.83	62.73	330.88	14.39	55.17	
TOTAL		25.23	100		26.08	100	
Boron	0.36			0.35			
Iron	< 0.01			< 0.01			
Manganese	0.29			0.35			
Copper	0.04			0.03			
Zinc	0.02			< 0.01			
Aluminum	< 0.01			0.06			
Ammonium (NH ₄ -N)	< 0.5			< 0.5			
ESP (calculated)	9.17			7.32			
SAR (calculated)	7.70			6.21			

* Soluble Salts: mmhos/cm = ppm / 640