

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Coyote Springs Golf Club
 3100 State Route 168
 Coyote Springs, NV 89037

File Number: 55476
 Date Received: 9/26/2016
 Date Reported: 9/28/2016

Submitted By: Soil and Water Consulting

Lab Number	0060			0061			
Description	FAIRWAY			FAIRWAY			
	6			16			
pH	8.1			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	892			698			
Chloride	85			64			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	422.19			397.79			
Sulfur	64.68			35.59			
Phosphorus	4.64			4.20			
Calcium	67.28	3.36	19.52	59.00	2.94	22.02	
Magnesium	35.96	2.96	17.19	30.46	2.51	18.74	
Potassium	63.62	1.63	9.46	49.35	1.26	9.44	
Sodium	213.00	9.26	53.84	153.12	6.66	49.80	
TOTAL		17.20	100		13.37	100	
Boron	0.63			0.53			
Iron	0.04			< 0.01			
Manganese	0.24			0.29			
Copper	0.07			0.05			
Zinc	0.02			0.02			
Aluminum	0.57			0.28			
Ammonium (NH ₄ -N)	3.9			3.2			
ESP (calculated)	6.04			4.48			
SAR (calculated)	5.21			4.03			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0062			0063			
Description	GREEN			GREEN			
	6			16			
pH	8.3			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	373			413			
Chloride	23			28			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	275.77			251.36			
Sulfur	17.68			21.98			
Phosphorus	3.10			3.04			
Calcium	44.67	2.23	31.39	39.62	1.98	28.24	
Magnesium	18.99	1.56	22.00	17.99	1.48	21.14	
Potassium	24.00	0.61	8.64	33.94	0.87	12.40	
Sodium	62.02	2.70	37.97	61.53	2.68	38.22	
TOTAL		7.10	100		7.00	100	
Boron	0.35			0.33			
Iron	0.23			0.05			
Manganese	0.39			0.37			
Copper	0.07			0.06			
Zinc	0.02			0.01			
Aluminum	0.64			0.38			
Ammonium (NH4-N)	1.2			5.1			
ESP (calculated)	1.60			1.71			
SAR (calculated)	1.96			2.03			

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Lab Number	0064			0065			
Description	TEE			TEE			
	6			16			
pH	8.3			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	571			625			
Chloride	47			46			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	358.74			402.67			
Sulfur	27.55			27.04			
Phosphorus	3.36			3.56			
Calcium	35.84	1.79	17.68	48.90	2.44	19.90	
Magnesium	18.69	1.54	15.19	26.66	2.19	17.89	
Potassium	40.43	1.03	10.22	48.59	1.24	10.14	
Sodium	132.44	5.76	56.91	146.83	6.38	52.07	
TOTAL		10.12	100		12.26	100	
Boron	0.50			0.62			
Iron	< 0.01			< 0.01			
Manganese	0.24			0.23			
Copper	0.06			0.03			
Zinc	0.02			0.02			
Aluminum	0.44			0.24			
Ammonium (NH ₄ -N)	1.7			2.3			
ESP (calculated)	5.06			4.70			
SAR (calculated)	4.47			4.19			

* Soluble Salts: mmhos/cm = ppm / 640