

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 55476
Date Received: 3/28/2016
Date Reported: 3/30/2016

Submitted By: Soil and Water Consulting

Lab Number	0168			0169			
Description	FAIRWAY			FAIRWAY			
	5			14			
pH	8.3			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	576			532			
Chloride	32			25			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	361.18			241.60			
Sulfur	27.34			47.09			
Phosphorus	3.46			3.07			
Calcium	44.33	2.21	19.75	41.23	2.06	21.39	
Magnesium	27.49	2.26	20.19	22.02	1.81	18.82	
Potassium	47.85	1.22	10.93	34.55	0.88	9.19	
Sodium	126.56	5.50	49.13	111.94	4.87	50.60	
TOTAL		11.20	100		9.62	100	
Boron	0.66			0.38			
Iron	0.28			0.16			
Manganese	0.03			0.11			
Copper	0.04			0.03			
Zinc	< 0.01			< 0.01			
Aluminum	1.30			0.96			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	4.00			3.76			
SAR (calculated)	3.68			3.50			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0170			0171			
Description	GREEN			GREEN			
	5			14			
pH	8.3			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	286			456			
Chloride	12			23			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	187.91			263.56			
Sulfur	12.53			26.11			
Phosphorus	3.94			3.37			
Calcium	28.13	1.40	27.40	41.55	2.07	25.40	
Magnesium	10.63	0.87	17.07	16.26	1.34	16.38	
Potassium	19.22	0.49	9.59	43.36	1.11	13.58	
Sodium	54.12	2.35	45.94	83.80	3.64	44.63	
TOTAL		5.12	100		8.16	100	
Boron	0.29			0.46			
Iron	1.85			0.88			
Manganese	0.06			0.05			
Copper	0.07			0.10			
Zinc	0.01			< 0.01			
Aluminum	3.97			1.96			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	1.95			2.78			
SAR (calculated)	2.20			2.79			

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Lab Number	0172			0173			
Description	TEE			TEE			
	5			14			
pH	8.3			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	422			462			
Chloride	23			30			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	241.60			253.80			
Sulfur	25.04			30.95			
Phosphorus	2.37			3.54			
Calcium	39.14	1.95	25.84	39.02	1.95	24.26	
Magnesium	18.31	1.51	19.93	19.23	1.58	19.71	
Potassium	23.32	0.60	7.89	29.55	0.76	9.42	
Sodium	80.54	3.50	46.34	86.03	3.74	46.61	
TOTAL		7.56	100		8.02	100	
Boron	0.35			0.34			
Iron	0.28			0.59			
Manganese	0.04			0.11			
Copper	0.06			0.05			
Zinc	< 0.01			< 0.01			
Aluminum	1.24			1.86			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	2.60			2.81			
SAR (calculated)	2.66			2.82			

* Soluble Salts: mmhos/cm = ppm / 640