

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 55476
Date Received: 6/13/2016
Date Reported: 6/15/2016

Submitted By: Soil and Water Consulting

Lab Number	0128			0129			
Description	FAIRWAY			FAIRWAY			
	6			15			
pH	8.1			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1453			663			
Chloride	317			76			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	195.23			256.24			
Sulfur	215.92			61.62			
Phosphorus	5.33			5.91			
Calcium	158.12	7.89	29.11	50.73	2.53	21.14	
Magnesium	54.63	4.49	16.58	25.43	2.09	17.46	
Potassium	79.09	2.02	7.46	41.46	1.06	8.85	
Sodium	292.06	12.70	46.85	144.71	6.29	52.54	
TOTAL		27.10	100		11.97	100	
Boron	0.67			0.59			
Iron	0.22			0.37			
Manganese	0.15			0.18			
Copper	0.08			0.05			
Zinc	0.03			0.03			
Aluminum	0.66			1.11			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	5.90			4.62			
SAR (calculated)	5.10			4.14			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0130			0131			
Description	GREEN			GREEN			
	6			15			
pH	8.3			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	362			317			
Chloride	30			25			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	195.23			156.19			
Sulfur	26.47			22.94			
Phosphorus	3.27			2.87			
Calcium	35.06	1.75	27.16	31.55	1.57	28.79	
Magnesium	13.12	1.08	16.75	11.01	0.91	16.55	
Potassium	32.95	0.84	13.09	26.59	0.68	12.44	
Sodium	63.69	2.77	43.00	53.09	2.31	42.22	
TOTAL		6.44	100		5.47	100	
Boron	0.36			0.31			
Iron	0.67			1.08			
Manganese	0.08			0.08			
Copper	0.10			0.06			
Zinc	0.03			0.02			
Aluminum	1.31			2.02			
Ammonium (NH4-N)	0.5			< 0.5			
ESP (calculated)	2.13			1.77			
SAR (calculated)	2.33			2.07			

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Lab Number	0132			0133			
Description	TEE			TEE			
	6			15			
pH	8.2			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	551			715			
Chloride	44			67			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	312.37			358.74			
Sulfur	35.42			49.74			
Phosphorus	3.81			4.75			
Calcium	41.07	2.05	21.32	62.11	3.10	23.73	
Magnesium	22.88	1.88	19.57	30.93	2.54	19.47	
Potassium	40.22	1.03	10.70	42.27	1.08	8.28	
Sodium	107.05	4.65	48.41	145.78	6.34	48.52	
TOTAL		9.61	100		13.06	100	
Boron	0.55			0.65			
Iron	1.10			0.29			
Manganese	0.23			0.32			
Copper	0.05			0.06			
Zinc	0.04			0.02			
Aluminum	2.42			0.88			
Ammonium (NH ₄ -N)	< 0.5			< 0.5			
ESP (calculated)	3.51			4.13			
SAR (calculated)	3.32			3.77			

* Soluble Salts: mmhos/cm = ppm / 640