

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 55476
Date Received: 3/27/2017
Date Reported: 3/29/2017

Submitted By: Soil and Water Consulting

Lab Number	0115			0116			
Description	TEE			TEE			
	1			10			
pH	8.2			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	497			601			
Chloride	31			35			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	334.33			414.87			
Sulfur	31.31			38.98			
Phosphorus	2.62			2.14			
Calcium	46.55	2.32	25.29	69.00	3.44	27.57	
Magnesium	24.70	2.03	22.11	36.80	3.03	24.23	
Potassium	27.81	0.71	7.74	36.92	0.94	7.56	
Sodium	94.79	4.12	44.86	116.75	5.08	40.64	
TOTAL		9.19	100		12.49	100	
Boron	0.41			0.76			
Iron	0.20			1.66			
Manganese	0.13			0.27			
Copper	0.03			0.04			
Zinc	< 0.01			< 0.01			
Aluminum	0.74			2.50			
Ammonium (NH ₄ -N)	< 0.5			< 0.5			
ESP (calculated)	2.78			2.82			
SAR (calculated)	2.79			2.82			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0117			0118			
Description	FAIRWAY			FAIRWAY			
	1			10			
pH	8.3			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	577			562			
Chloride	30			30			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	422.19			419.75			
Sulfur	36.57			31.91			
Phosphorus	4.40			3.57			
Calcium	62.51	3.12	25.68	75.99	3.79	31.61	
Magnesium	34.41	2.83	23.30	38.13	3.14	26.14	
Potassium	52.83	1.35	11.12	32.98	0.84	7.03	
Sodium	111.45	4.85	39.89	97.18	4.23	35.22	
TOTAL		12.15	100		12.00	100	
Boron	0.81			0.74			
Iron	1.55			0.67			
Manganese	0.23			0.27			
Copper	0.02			0.03			
Zinc	< 0.01			< 0.01			
Aluminum	3.82			1.54			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	2.80			2.05			
SAR (calculated)	2.81			2.27			

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Lab Number	0119			0120			
Description	GREEN			GREEN			
	1			10			
pH	8.4			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	293			360			
Chloride	20			22			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	173.27			204.99			
Sulfur	24.48			32.15			
Phosphorus	2.44			2.40			
Calcium	29.02	1.45	26.35	41.26	2.06	30.62	
Magnesium	12.44	1.02	18.62	14.87	1.22	18.18	
Potassium	16.62	0.43	7.74	19.82	0.51	7.54	
Sodium	59.78	2.60	47.30	67.51	2.94	43.66	
TOTAL		5.50	100		6.72	100	
Boron	0.27			0.29			
Iron	0.92			0.87			
Manganese	0.07			0.14			
Copper	0.04			0.05			
Zinc	0.01			< 0.01			
Aluminum	1.85			1.92			
Ammonium (NH4-N)	< 0.5			< 0.5			
ESP (calculated)	2.14			2.08			
SAR (calculated)	2.34			2.29			

* Soluble Salts: mmhos/cm = ppm / 640