

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 55476
Date Received: 6/30/2017
Date Reported: 7/5/2017

Submitted By: Soil and Water Consulting

Lab Number	0018			0019			
Description	TEE			TEE			
	4			13			
pH	7.4			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	977			453			
Chloride	125			39			
Nitrate (NO ₃ -N)	3.7			< 0.5			
Bicarbonate	200.11			185.47			
Sulfur	127.41			49.52			
Phosphorus	2.64			3.16			
Calcium	61.57	3.07	17.97	32.19	1.61	19.78	
Magnesium	28.49	2.34	13.70	13.25	1.09	13.41	
Potassium	55.11	1.41	8.24	27.72	0.71	8.73	
Sodium	236.35	10.28	60.09	108.51	4.72	58.08	
TOTAL		17.10	100		8.12	100	
Boron	0.59			0.40			
Iron	0.14			1.68			
Manganese	0.02			0.05			
Copper	0.04			0.04			
Zinc	< 0.01			< 0.01			
Aluminum	0.62			2.70			
Ammonium (NH ₄ -N)	< 0.5			< 0.5			
ESP (calculated)	7.37			4.52			
SAR (calculated)	6.25			4.06			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0020			0021			
Description	FAIRWAY			FAIRWAY			
	4			13			
pH	8.2			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	730			661			
Chloride	79			72			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	222.08			212.31			
Sulfur	95.06			80.89			
Phosphorus	3.41			3.43			
Calcium	56.35	2.81	19.05	39.02	1.95	15.46	
Magnesium	24.57	2.02	13.69	20.88	1.72	13.64	
Potassium	42.66	1.09	7.39	41.20	1.05	8.37	
Sodium	203.33	8.84	59.88	181.08	7.87	62.53	
TOTAL		14.76	100		12.59	100	
Boron	0.59			0.62			
Iron	1.13			1.28			
Manganese	0.06			0.03			
Copper	0.06			0.06			
Zinc	< 0.01			0.01			
Aluminum	2.79			1.94			
Ammonium (NH ₄ -N)	< 0.5			< 0.5			
ESP (calculated)	6.65			6.82			
SAR (calculated)	5.69			5.82			

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Lab Number	0022			0023			
Description	GREEN			GREEN			
	4			13			
pH	8.3			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	574			402			
Chloride	69			42			
Nitrate (NO3-N)	1.2			1.1			
Bicarbonate	146.42			136.66			
Sulfur	76.03			45.53			
Phosphorus	3.21			2.72			
Calcium	38.42	1.92	19.44	29.13	1.45	20.77	
Magnesium	16.65	1.37	13.88	11.90	0.98	13.99	
Potassium	33.39	0.85	8.66	24.60	0.63	8.99	
Sodium	131.58	5.72	58.02	90.52	3.94	56.25	
TOTAL		9.86	100		7.00	100	
Boron	0.40			0.32			
Iron	0.10			0.12			
Manganese	0.02			0.02			
Copper	0.08			0.06			
Zinc	< 0.01			< 0.01			
Aluminum	0.49			0.50			
Ammonium (NH4-N)	0.8			< 0.5			
ESP (calculated)	5.05			3.85			
SAR (calculated)	4.46			3.57			

* Soluble Salts: mmhos/cm = ppm / 640