

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 55476
Date Received: 6/20/2019
Date Reported: 6/24/2019

Submitted By: Soil and Water Consulting

Lab Number	0014
Description	TEE
	15

pH	8.4
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	522					
Chloride	24					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	180.59					
Sulfur	26.95					
Phosphorus	2.72					
Calcium	65.87	3.29	25.99			
Magnesium	34.74	2.86	22.59			
Potassium	44.32	1.13	8.96			
Sodium	123.56	5.37	42.47			
TOTAL		12.65	100			
Boron	0.90					
Iron	0.77					
Manganese	0.33					
Copper	0.04					
Zinc	0.03					
Aluminum	1.20					
Ammonium (NH ₄ -N)	0.7					
ESP (calculated)	3.16					
SAR (calculated)	3.06					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0015
Description	FAIRWAY
	15

pH	8.4
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	625					
Chloride	40					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	287.97					
Sulfur	41.93					
Phosphorus	3.80					
Calcium	70.00	3.49	29.13			
Magnesium	34.83	2.86	23.89			
Potassium	36.74	0.94	7.84			
Sodium	107.92	4.69	39.14			
TOTAL		11.99	100			
Boron	0.59					
Iron	1.88					
Manganese	0.47					
Copper	0.02					
Zinc	0.05					
Aluminum	3.06					
Ammonium (NH ₄ -N)	0.9					
ESP (calculated)	2.56					
SAR (calculated)	2.63					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0016			0017			
Description	GREEN			GREEN			
	6			15			
pH	8.5			8.5			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	410			337			
Chloride	38			30			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	129.34			112.26			
Sulfur	35.89			26.95			
Phosphorus	2.08			1.77			
Calcium	56.88	2.84	30.66	45.57	2.27	29.82	
Magnesium	21.55	1.77	19.15	18.03	1.48	19.44	
Potassium	29.51	0.75	8.15	23.38	0.60	7.84	
Sodium	89.48	3.89	42.03	75.22	3.27	42.89	
TOTAL		9.26	100		7.62	100	
Boron	0.31			0.25			
Iron	2.47			1.53			
Manganese	0.62			0.40			
Copper	0.05			0.03			
Zinc	0.06			0.03			
Aluminum	4.19			2.70			
Ammonium (NH4-N)	0.8			< 0.5			
ESP (calculated)	2.46			2.21			
SAR (calculated)	2.56			2.39			

* Soluble Salts: mmhos/cm = ppm / 640