

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 55476
Date Received: 6/25/2018
Date Reported: 6/27/2018

Submitted By: Soil and Water Consulting

Lab Number	0107
Description	TEE
	3

pH	8.3
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	675					
Chloride	68					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	307.49					

Sulfur	50.55					
Phosphorus	3.03					
Calcium	57.85	2.89	25.28			
Magnesium	22.82	1.88	16.43			
Potassium	43.90	1.12	9.83			
Sodium	127.22	5.53	48.45			
TOTAL		11.42	100			

Boron	0.43
Iron	1.31
Manganese	0.14
Copper	0.08
Zinc	0.03
Aluminum	2.05
Ammonium (NH ₄ -N)	19.6

ESP (calculated)	3.87
SAR (calculated)	3.58

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0108
Description	FAIRWAY
	3

pH	8.3
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	740					
Chloride	70					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	287.97					
Sulfur	39.08					
Phosphorus	1.19					
Calcium	48.00	2.40	19.12			
Magnesium	23.72	1.95	15.57			
Potassium	44.79	1.15	9.15			
Sodium	161.78	7.03	56.16			
TOTAL		12.52	100			
Boron	0.38					
Iron	1.43					
Manganese	0.19					
Copper	0.10					
Zinc	0.01					
Aluminum	2.11					
Ammonium (NH ₄ -N)	24.6					
ESP (calculated)	5.46					
SAR (calculated)	4.77					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0109			0110			
Description	GREEN			GREEN			
	3			12			
pH	8.3			8.6			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	303			483			
Chloride	27			33			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	165.95			258.68			
Sulfur	21.84			26.99			
Phosphorus	3.97			7.68			
Calcium	33.75	1.68	27.05	44.78	2.23	32.02	
Magnesium	12.13	1.00	16.02	12.75	1.05	15.03	
Potassium	29.17	0.75	11.98	39.13	1.00	14.34	
Sodium	64.38	2.80	44.95	61.96	2.69	38.61	
TOTAL		6.23	100		6.98	100	
Boron	0.28			0.36			
Iron	3.59			8.11			
Manganese	0.28			0.44			
Copper	0.07			0.17			
Zinc	0.07			0.13			
Aluminum	6.06			13.18			
Ammonium (NH4-N)	5.4			37.6			
ESP (calculated)	2.25			1.81			
SAR (calculated)	2.42			2.10			

* Soluble Salts: mmhos/cm = ppm / 640