

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 55476
Date Received: 4/18/2024
Date Reported: 4/22/2024

Submitted By: Soil and Water Consulting

Lab Number	0014
Description	TEE
	18

pH	8.3
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	565					
Chloride	78					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	240.09					
Sulfur	45.00					
Phosphorus	2.98					
Calcium	67.39	3.36	29.31			
Magnesium	27.69	2.28	19.85			
Potassium	36.10	0.92	8.05			
Sodium	112.93	4.91	42.79			
TOTAL		11.47	100			

Boron	0.42
Iron	1.04
Manganese	0.09
Copper	0.06
Zinc	0.03
Aluminum	1.61
Ammonium (NH ₄ -N)	2.0

ESP (calculated)	2.96
SAR (calculated)	2.92

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0015
Description	FAIRWAY
	18

pH	8.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	445					
Chloride	7					
Nitrate (NO3-N)	< 0.5					
Bicarbonate	258.17					
Sulfur	34.72					
Phosphorus	2.03					
Calcium	54.13	2.70	31.13			
Magnesium	22.34	1.84	21.17			
Potassium	22.17	0.57	6.53			
Sodium	82.18	3.57	41.17			
TOTAL		8.68	100			
Boron	0.32					
Iron	1.06					
Manganese	0.09					
Copper	0.04					
Zinc	0.03					
Aluminum	2.33					
Ammonium (NH4-N)	1.9					
ESP (calculated)	2.19					
SAR (calculated)	2.37					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0016			0017			
Description	GREEN			GREEN			
	9			18			
pH	8.2			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	404			354			
Chloride	27			17			
Nitrate (NO3-N)	0.6			1.6			
Bicarbonate	137.35			109.49			
Sulfur	56.80			52.11			
Phosphorus	1.48			1.46			
Calcium	42.51	2.12	31.42	42.44	2.12	31.49	
Magnesium	13.54	1.11	16.50	12.89	1.06	15.76	
Potassium	22.68	0.58	8.59	20.72	0.53	7.88	
Sodium	67.51	2.94	43.48	69.41	3.02	44.88	
TOTAL		6.75	100		6.73	100	
Boron	0.29			0.28			
Iron	1.38			1.11			
Manganese	0.08			0.07			
Copper	0.03			0.03			
Zinc	0.03			0.02			
Aluminum	2.34			1.71			
Ammonium (NH4-N)	4.5			1.2			
ESP (calculated)	2.10			2.22			
SAR (calculated)	2.31			2.39			

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0018
Description	GREEN CHIPPING

pH	8.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	375					
Chloride	42					
Nitrate (NO ₃ -N)	4.4					
Bicarbonate	143.93					
Sulfur	26.66					
Phosphorus	1.18					
Calcium	23.61	1.18	21.99			
Magnesium	8.41	0.69	12.91			
Potassium	26.58	0.68	12.68			
Sodium	64.62	2.81	52.42			
TOTAL		5.36	100			

Boron	0.30
Iron	1.93
Manganese	0.10
Copper	0.04
Zinc	0.03
Aluminum	3.08
Ammonium (NH ₄ -N)	14.7

ESP (calculated)	2.94
SAR (calculated)	2.91

* Soluble Salts: mmhos/cm = ppm / 640