

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 55476
Date Received: 9/25/2017
Date Reported: 9/27/2017

Submitted By: Soil and Water Consulting

Lab Number	0191			0192			
Description	TEE			TEE			
	8			17			
pH	8.3			8.4			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	708			730			
Chloride	56			69			
Nitrate (NO3-N)	18.2			7.0			
Bicarbonate	327.01			361.18			
Sulfur	40.27			52.21			
Phosphorus	2.96			3.19			
Calcium	46.78	2.33	21.74	50.23	2.51	20.68	
Magnesium	22.62	1.86	17.32	26.09	2.15	17.70	
Potassium	47.70	1.22	11.36	51.83	1.33	10.94	
Sodium	122.41	5.32	49.57	141.31	6.14	50.69	
TOTAL		10.74	100		12.12	100	
Boron	0.39			0.59			
Iron	1.28			0.74			
Manganese	0.06			0.06			
Copper	0.07			0.07			
Zinc	0.03			0.03			
Aluminum	2.16			1.49			
Ammonium (NH4-N)	11.2			4.9			
ESP (calculated)	3.99			4.47			
SAR (calculated)	3.68			4.03			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0193			0194			
Description	FAIRWAY			FAIRWAY			
	8			17			
pH	8.6			8.4			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	767			605			
Chloride	67			43			
Nitrate (NO3-N)	0.9			34.7			
Bicarbonate	412.43			231.84			
Sulfur	56.96			27.51			
Phosphorus	3.60			3.40			
Calcium	39.69	1.98	14.72	47.88	2.39	24.83	
Magnesium	20.05	1.65	12.25	21.49	1.77	18.37	
Potassium	61.28	1.57	11.65	39.48	1.01	10.49	
Sodium	189.96	8.26	61.38	102.48	4.46	46.31	
TOTAL		13.46	100		9.62	100	
Boron	0.91			0.40			
Iron	1.83			0.87			
Manganese	0.17			0.06			
Copper	0.10			0.04			
Zinc	0.04			0.01			
Aluminum	3.34			1.94			
Ammonium (NH4-N)	2.5			3.6			
ESP (calculated)	7.22			3.19			
SAR (calculated)	6.13			3.09			

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Lab Number	0195			0196			
Description	GREEN			GREEN			
	8			17			
pH	8.5			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	473			667			
Chloride	46			52			
Nitrate (NO ₃ -N)	2.0			37.6			
Bicarbonate	275.77			246.48			
Sulfur	25.78			32.11			
Phosphorus	3.85			5.35			
Calcium	37.61	1.88	26.20	40.70	2.03	26.42	
Magnesium	16.28	1.34	18.68	17.87	1.47	19.11	
Potassium	37.05	0.95	13.23	45.61	1.17	15.18	
Sodium	69.02	3.00	41.89	69.47	3.02	39.29	
TOTAL		7.16	100		7.69	100	
Boron	0.31			0.31			
Iron	2.44			2.39			
Manganese	0.30			0.17			
Copper	0.14			0.17			
Zinc	0.08			0.05			
Aluminum	3.98			3.89			
Ammonium (NH ₄ -N)	15.6			41.9			
ESP (calculated)	2.18			2.06			
SAR (calculated)	2.37			2.28			

* Soluble Salts: mmhos/cm = ppm / 640