

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Chimera Golf Club at Tuscany
Henderson, NV

File Number: 57067
Date Received: 6/28/2017
Date Reported: 6/30/2017

Submitted By: Soil and Water Consulting

Lab Number	0026			0027		
Description	TEE			TEE		
	1			7		
pH	8.0			7.9		
	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	3539			3821		
Chloride	736			857		
Nitrate (NO3-N)	94.2			65.8		
Bicarbonate	309.93			275.77		
Sulfur	395.39			512.85		
Phosphorus	2.57			2.60		
Calcium	419.42	20.93	32.97	476.78	23.79	33.50
Magnesium	116.53	9.58	15.10	133.25	10.96	15.43
Potassium	63.85	1.63	2.57	61.69	1.58	2.22
Sodium	720.60	31.33	49.36	798.15	34.70	48.86
TOTAL		63.48	100		71.03	100
Boron	1.02			0.87		
Iron	< 0.01			< 0.01		
Manganese	0.20			0.39		
Copper	0.07			0.07		
Zinc	0.05			0.04		
Aluminum	0.28			0.32		
Ammonium (NH4-N)	1.2			2.5		
ESP (calculated)	9.56			9.93		
SAR (calculated)	8.02			8.33		

* Soluble Salts: mmhos/cm = ppm / 640

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Chimera Golf Club at Tuscany
Henderson, NV

File Number: 57067
Date Received: 6/28/2017
Date Reported: 6/30/2017

Submitted By: Soil and Water Consulting

Lab Number	0028			0029			
Description	TEE			TEE			
	16			18			
pH	7.9			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	2957			2374			
Chloride	634			525			
Nitrate (NO ₃ -N)	56.2			54.3			
Bicarbonate	263.56			300.17			
Sulfur	383.29			274.94			
Phosphorus	2.36			2.87			
Calcium	334.43	16.69	31.62	233.60	11.66	28.18	
Magnesium	92.84	7.64	14.47	65.50	5.39	13.02	
Potassium	47.70	1.22	2.31	47.01	1.20	2.91	
Sodium	626.30	27.23	51.60	531.65	23.12	55.89	
TOTAL		52.77	100		41.36	100	
Boron	0.70			0.75			
Iron	< 0.01			< 0.01			
Manganese	0.22			0.19			
Copper	0.05			0.07			
Zinc	0.04			0.04			
Aluminum	0.25			0.49			
Ammonium (NH ₄ -N)	1.4			1.8			
ESP (calculated)	9.30			9.44			
SAR (calculated)	7.81			7.92			

* Soluble Salts: mmhos/cm = ppm / 640

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Chimera Golf Club at Tuscany
Henderson, NV

File Number: 57067
Date Received: 6/28/2017
Date Reported: 6/30/2017

Submitted By: Soil and Water Consulting

Lab Number	0030			0031			
Description	FAIRWAY			FAIRWAY			
	1			7			
pH	7.9			7.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	4538			3488			
Chloride	870			580			
Nitrate (NO3-N)	115.9			84.6			
Bicarbonate	280.65			334.33			
Sulfur	622.12			578.19			
Phosphorus	2.86			2.47			
Calcium	667.59	33.31	37.07	560.05	27.95	40.34	
Magnesium	165.68	13.63	15.16	125.03	10.28	14.84	
Potassium	102.34	2.62	2.91	75.80	1.94	2.80	
Sodium	926.86	40.30	44.85	669.45	29.11	42.02	
TOTAL		89.85	100		69.27	100	
Boron	1.27			0.89			
Iron	< 0.01			< 0.01			
Manganese	0.23			0.19			
Copper	0.07			0.07			
Zinc	0.01			0.02			
Aluminum	0.17			0.11			
Ammonium (NH4-N)	< 0.5			0.8			
ESP (calculated)	9.92			7.88			
SAR (calculated)	8.32			6.66			

* Soluble Salts: mmhos/cm = ppm / 640

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Chimera Golf Club at Tuscany
Henderson, NV

File Number: 57067
Date Received: 6/28/2017
Date Reported: 6/30/2017

Submitted By: Soil and Water Consulting

Lab Number	0032			0033			
Description	FAIRWAY			FAIRWAY			
	16			18			
pH	7.9			7.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	5587			4653			
Chloride	1232			1171			
Nitrate (NO ₃ -N)	56.3			77.9			
Bicarbonate	383.14			287.97			
Sulfur	714.59			652.31			
Phosphorus	2.00			3.34			
Calcium	584.11	29.15	28.86	605.35	30.21	35.46	
Magnesium	183.18	15.06	14.92	159.30	13.10	15.38	
Potassium	109.11	2.79	2.76	101.69	2.60	3.05	
Sodium	1241.73	53.99	53.46	903.58	39.29	46.11	
TOTAL		100.99	100		85.19	100	
Boron	1.50			1.06			
Iron	< 0.01			< 0.01			
Manganese	0.54			0.41			
Copper	0.08			0.06			
Zinc	0.02			0.02			
Aluminum	0.16			0.14			
Ammonium (NH ₄ -N)	1.1			2.3			
ESP (calculated)	13.55			10.07			
SAR (calculated)	11.48			8.44			

* Soluble Salts: mmhos/cm = ppm / 640

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Chimera Golf Club at Tuscany
Henderson, NV

File Number: 57067
Date Received: 6/28/2017
Date Reported: 6/30/2017

Submitted By: Soil and Water Consulting

Lab Number	0034			0035			
Description	GREEN			GREEN			
	1			7			
pH	8.0			7.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	3136			3130			
Chloride	885			812			
Nitrate (NO ₃ -N)	15.2			3.4			
Bicarbonate	134.22			200.11			
Sulfur	377.35			389.86			
Phosphorus	1.04			2.22			
Calcium	322.21	16.08	28.83	329.65	16.45	29.72	
Magnesium	94.48	7.77	13.93	89.90	7.39	13.36	
Potassium	52.95	1.35	2.43	48.95	1.25	2.26	
Sodium	702.88	30.56	54.80	695.76	30.25	54.66	
TOTAL		55.76	100		55.35	100	
Boron	0.75			0.85			
Iron	< 0.01			< 0.01			
Manganese	0.12			0.43			
Copper	0.04			0.07			
Zinc	0.05			0.09			
Aluminum	0.37			0.28			
Ammonium (NH ₄ -N)	< 0.5			1.4			
ESP (calculated)	10.55			10.44			
SAR (calculated)	8.85			8.76			

* Soluble Salts: mmhos/cm = ppm / 640

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Chimera Golf Club at Tuscany
Henderson, NV

File Number: 57067
Date Received: 6/28/2017
Date Reported: 6/30/2017

Submitted By: Soil and Water Consulting

Lab Number	0036			0037			
Description	GREEN			GREEN			
	16			18			
pH	7.8			7.8			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	3162			2669			
Chloride	841			758			
Nitrate (NO3-N)	4.9			14.5			
Bicarbonate	163.51			168.39			
Sulfur	403.99			347.93			
Phosphorus	1.82			1.30			
Calcium	353.17	17.62	30.86	280.34	13.99	27.93	
Magnesium	99.54	8.19	14.33	79.33	6.52	13.02	
Potassium	52.33	1.34	2.34	42.13	1.08	2.15	
Sodium	689.23	29.97	52.47	655.60	28.50	56.90	
TOTAL		57.11	100		50.09	100	
Boron	0.80			0.73			
Iron	< 0.01			< 0.01			
Manganese	0.30			0.07			
Copper	0.05			0.04			
Zinc	0.09			0.04			
Aluminum	0.22			0.36			
Ammonium (NH4-N)	1.1			1.1			
ESP (calculated)	9.95			10.61			
SAR (calculated)	8.34			8.90			

* Soluble Salts: mmhos/cm = ppm / 640