

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

The Summit
Las Vegas, NV

File Number: 73668
Date Received: 3/27/2017
Date Reported: 3/29/2017

Submitted By: Soil and Water Consulting

Lab Number	0131			0132			
Description	TEE			TEE			
	1			10			
pH	7.8			7.8			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	993			1402			
Chloride	179			231			
Nitrate (NO3-N)	< 0.5			1.6			
Bicarbonate	300.17			297.73			
Sulfur	95.32			178.54			
Phosphorus	6.06			18.53			
Calcium	136.95	6.83	38.32	199.04	9.93	40.44	
Magnesium	31.06	2.55	14.32	43.63	3.59	14.61	
Potassium	60.55	1.55	8.68	138.01	3.53	14.37	
Sodium	158.63	6.90	38.67	172.71	7.51	30.58	
TOTAL		17.83	100		24.56	100	
Boron	0.26			0.24			
Iron	0.22			0.33			
Manganese	0.84			1.11			
Copper	0.08			0.08			
Zinc	0.02			0.02			
Aluminum	1.11			1.38			
Ammonium (NH4-N)	3.5			13.6			
ESP (calculated)	3.32			2.91			
SAR (calculated)	3.18			2.89			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0133			0134			
Description	FAIRWAY			FAIRWAY			
	1			10			
pH	7.8			7.7			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1920			2362			
Chloride	209			277			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	317.25			358.74			
Sulfur	402.64			522.33			
Phosphorus	8.35			14.33			
Calcium	471.05	23.51	59.36	591.58	29.52	57.46	
Magnesium	79.66	6.55	16.54	102.69	8.44	16.44	
Potassium	76.61	1.96	4.95	111.11	2.84	5.53	
Sodium	174.42	7.58	19.15	243.09	10.57	20.57	
TOTAL		39.60	100		51.38	100	
Boron	0.27			0.35			
Iron	1.32			0.01			
Manganese	1.62			1.89			
Copper	0.12			0.08			
Zinc	0.05			< 0.01			
Aluminum	3.83			0.46			
Ammonium (NH ₄ -N)	8.8			14.8			
ESP (calculated)	1.60			2.27			
SAR (calculated)	1.96			2.43			

* Soluble Salts: mmhos/cm = ppm / 640

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Submitted By: Soil and Water Consulting

Lab Number	0135			0136			
Description	GREEN			GREEN			
	1			10			
pH	7.9			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	611			861			
Chloride	100			139			
Nitrate (NO3-N)	< 0.5			1.7			
Bicarbonate	192.79			175.71			
Sulfur	73.57			112.59			
Phosphorus	2.32			3.71			
Calcium	63.28	3.16	27.65	111.47	5.56	37.86	
Magnesium	20.64	1.70	14.86	25.93	2.13	14.52	
Potassium	46.13	1.18	10.33	57.94	1.48	10.09	
Sodium	123.90	5.39	47.17	126.82	5.51	37.53	
TOTAL		11.42	100		14.69	100	
Boron	0.27			0.22			
Iron	0.27			0.02			
Manganese	0.06			0.09			
Copper	0.03			0.01			
Zinc	0.01			0.02			
Aluminum	0.58			0.39			
Ammonium (NH4-N)	< 0.5			1.8			
ESP (calculated)	3.70			2.81			
SAR (calculated)	3.46			2.81			

* Soluble Salts: mmhos/cm = ppm / 640