

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

The Summit
Las Vegas, NV

File Number: 73668
Date Received: 9/25/2017
Date Reported: 9/27/2017

Submitted By: Soil and Water Consulting

Lab Number	0276			0277			
Description	TEE			TEE			
	8			17			
pH	7.9			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1293			475			
Chloride	172			69			
Nitrate (NO ₃ -N)	38.3			5.4			
Bicarbonate	212.31			146.42			
Sulfur	147.73			43.33			
Phosphorus	5.95			4.81			
Calcium	174.46	8.71	43.51	64.14	3.20	39.13	
Magnesium	38.01	3.13	15.62	14.98	1.23	15.06	
Potassium	65.40	1.67	8.36	20.83	0.53	6.51	
Sodium	149.56	6.50	32.50	73.93	3.21	39.30	
TOTAL		20.01	100		8.18	100	
Boron	0.18			0.10			
Iron	1.46			2.87			
Manganese	0.30			0.09			
Copper	0.13			0.06			
Zinc	0.03			0.02			
Aluminum	3.71			6.71			
Ammonium (NH ₄ -N)	22.3			< 0.5			
ESP (calculated)	2.61			1.89			
SAR (calculated)	2.67			2.16			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0278			0279			
Description	FAIRWAY			FAIRWAY			
	8			17			
pH	8.0			7.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	657			792			
Chloride	95			103			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	173.27			180.59			
Sulfur	76.15			96.78			
Phosphorus	5.49			5.26			
Calcium	87.99	4.39	41.00	102.95	5.14	41.88	
Magnesium	20.06	1.65	15.41	22.15	1.82	14.85	
Potassium	38.22	0.98	9.13	41.80	1.07	8.71	
Sodium	84.87	3.69	34.46	97.49	4.24	34.56	
TOTAL		10.71	100		12.27	100	
Boron	0.16			0.17			
Iron	2.47			2.06			
Manganese	0.51			0.56			
Copper	0.04			0.05			
Zinc	0.03			0.03			
Aluminum	4.93			4.21			
Ammonium (NH4-N)	< 0.5			6.7			
ESP (calculated)	1.84			2.05			
SAR (calculated)	2.12			2.27			

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Submitted By: Soil and Water Consulting

Lab Number	0280			0281			
Description	GREEN			GREEN			
	8			17			
pH	8.2			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	697			452			
Chloride	66			38			
Nitrate (NO3-N)	< 0.5			< 0.5			
Bicarbonate	178.15			109.82			
Sulfur	91.05			59.67			
Phosphorus	3.02			1.21			
Calcium	39.28	1.96	24.31	38.42	1.92	30.79	
Magnesium	17.30	1.42	17.65	14.57	1.20	19.24	
Potassium	30.56	0.78	9.69	18.14	0.46	7.45	
Sodium	89.65	3.90	48.35	60.91	2.65	42.52	
TOTAL		8.06	100		6.23	100	
Boron	0.23			0.12			
Iron	2.44			1.06			
Manganese	0.10			0.06			
Copper	0.08			0.02			
Zinc	0.02			< 0.01			
Aluminum	4.06			1.60			
Ammonium (NH4-N)	35.5			9.4			
ESP (calculated)	3.06			1.84			
SAR (calculated)	3.00			2.12			

* Soluble Salts: mmhos/cm = ppm / 640