

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

The Summit
Las Vegas, NV

File Number: 73668
Date Received: 8/21/2018
Date Reported: 8/23/2018

Submitted By: Soil and Water Consulting

Lab Number	0051			0052			
Description	TEE			TEE			
	2			5			
pH	8.1			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	838			982			
Chloride	81			86			
Nitrate (NO3-N)	22.0			51.9			
Bicarbonate	219.64			192.79			
Sulfur	120.84			126.50			
Phosphorus	5.31			6.17			
Calcium	138.29	6.90	45.98	177.70	8.87	49.85	
Magnesium	46.63	3.83	25.55	53.69	4.42	24.82	
Potassium	45.68	1.17	7.78	57.83	1.48	8.31	
Sodium	71.42	3.11	20.69	69.64	3.03	17.02	
TOTAL		15.01	100		17.79	100	
Boron	0.19			0.36			
Iron	1.30			0.97			
Manganese	0.22			0.36			
Copper	0.06			0.08			
Zinc	0.02			0.02			
Aluminum	1.35			1.15			
Ammonium (NH4-N)	1.5			2.2			
ESP (calculated)	0.71			0.47			
SAR (calculated)	1.34			1.17			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0053
Description	TEE
	6

pH	8.1
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	858					
Chloride	99					
Nitrate (NO3-N)	1.9					
Bicarbonate	241.60					

Sulfur	101.88					
Phosphorus	3.43					
Calcium	143.78	7.17	44.85			
Magnesium	35.96	2.96	18.49			
Potassium	58.75	1.50	9.39			
Sodium	100.37	4.36	27.28			
TOTAL		16.00	100			

Boron	0.20
Iron	0.82
Manganese	0.55
Copper	0.04
Zinc	0.01
Aluminum	1.06
Ammonium (NH4-N)	1.2

ESP (calculated)	1.57
SAR (calculated)	1.94

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0054			0055			
Description	FAIRWAY			FAIRWAY			
	3			8			
pH	8.2			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	1548			615			
Chloride	155			59			
Nitrate (NO3-N)	0.8			< 0.5			
Bicarbonate	287.97			202.55			
Sulfur	256.41			79.09			
Phosphorus	2.43			2.50			
Calcium	306.30	15.28	49.51	103.30	5.15	44.43	
Magnesium	77.14	6.34	20.55	33.81	2.78	23.96	
Potassium	77.29	1.98	6.40	35.42	0.91	7.81	
Sodium	167.09	7.26	23.53	63.52	2.76	23.80	
TOTAL		30.87	100		11.60	100	
Boron	0.32			0.17			
Iron	0.95			1.07			
Manganese	0.22			0.11			
Copper	0.05			0.04			
Zinc	0.02			0.01			
Aluminum	1.17			1.38			
Ammonium (NH4-N)	2.3			0.8			
ESP (calculated)	1.96			0.78			
SAR (calculated)	2.21			1.39			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0056
Description	FAIRWAY
	12

pH	8.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	543					
Chloride	57					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	200.11					

Sulfur	48.20		
Phosphorus	3.54		
Calcium	93.02	4.64	41.57
Magnesium	33.52	2.76	24.69
Potassium	34.10	0.87	7.81
Sodium	66.59	2.90	25.93
TOTAL		11.17	100

Boron	0.19
Iron	0.92
Manganese	0.45
Copper	0.05
Zinc	0.02
Aluminum	1.07
Ammonium (NH ₄ -N)	2.5

ESP (calculated)	0.95
SAR (calculated)	1.51

* Soluble Salts: mmhos/cm = ppm / 640