

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

City of Kingman-Parks Department
3333 Harrison Street
86409

File Number: 82218
Date Received: 3/26/2021
Date Reported: 3/30/2021

Submitted By: Soil and Water Consulting

Lab Number	0015			0016			
Description	CENTENIAL PARK			CENTENIAL PARK			
	NORTH			SOUTH			
	SOCCER			SOCCER			
pH	8.0			7.9			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	694			394			
Chloride	149			55			
Nitrate (NO ₃ -N)	12.1			< 0.5			
Bicarbonate	158.99			120.13			
Sulfur	61.49			33.22			
Phosphorus	9.55			7.42			
Calcium	68.07	3.40	26.64	43.45	2.17	29.67	
Magnesium	42.77	3.52	27.58	25.36	2.09	28.54	
Potassium	61.71	1.58	12.38	28.78	0.74	10.07	
Sodium	97.94	4.26	33.40	53.32	2.32	31.72	
TOTAL		12.75	100		7.31	100	
Boron	0.20			0.16			
Iron	1.01			1.42			
Manganese	0.02			0.03			
Copper	0.09			0.11			
Zinc	0.09			0.06			
Aluminum	1.61			2.47			
Ammonium (NH ₄ -N)	2.9			0.9			
ESP (calculated)	2.07			1.07			
SAR (calculated)	2.29			1.59			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0017
Description	CENTENIAL PARK FOOTBALL FIELD

pH	8.1
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	482					
Chloride	79					
Nitrate (NO ₃ -N)	4.4					
Bicarbonate	150.66					
Sulfur	33.10					
Phosphorus	5.00					
Calcium	58.02	2.89	33.79			
Magnesium	28.61	2.35	27.46			
Potassium	26.18	0.67	7.81			
Sodium	60.97	2.65	30.94			
TOTAL		8.57	100			
Boron	0.16					
Iron	0.55					
Manganese	0.02					
Copper	0.06					
Zinc	0.05					
Aluminum	0.94					
Ammonium (NH ₄ -N)	1.4					
ESP (calculated)	1.14					
SAR (calculated)	1.64					

* Soluble Salts: mmhos/cm = ppm / 640