

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

City of Kingman-Parks Department
3333 Harrison Street
86409

File Number: 82218
Date Received: 3/17/2023
Date Reported: 3/21/2023

Submitted By: Soil and Water Consulting

Lab Number	0001			0002			
Description	CENTENNIAL PARK			CENTENNIAL PARK			
	NORTH			SOUTH			
	SOCCER			SOCCER			
pH	8.0			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	704			563			
Chloride	60			44			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	470.46			403.68			
Sulfur	12.33			11.89			
Phosphorus	11.97			9.83			
Calcium	107.33	5.36	36.74	97.86	4.88	39.93	
Magnesium	66.70	5.49	37.63	53.56	4.40	36.01	
Potassium	68.64	1.76	12.04	46.04	1.18	9.63	
Sodium	45.53	1.98	13.58	40.60	1.77	14.43	
TOTAL		14.58	100		12.23	100	
Boron	0.31			0.17			
Iron	0.91			0.90			
Manganese	0.52			0.25			
Copper	0.16			0.18			
Zinc	0.07			0.04			
Aluminum	1.38			1.42			
Ammonium (NH ₄ -N)	5.1			3.6			
ESP (calculated)	< .01			< .01			
SAR (calculated)	0.85			0.82			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number 0003
Description SOUTH SIDE PARK
FOOTBALL

pH 8.2

	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	671					
Chloride	64					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	483.31					

Sulfur	9.46					
Phosphorus	6.76					
Calcium	114.47	5.71	40.15			
Magnesium	61.40	5.05	35.49			
Potassium	52.25	1.34	9.39			
Sodium	48.96	2.13	14.96			
TOTAL		14.23	100			

Boron	0.41					
Iron	0.50					
Manganese	0.35					
Copper	0.09					
Zinc	0.05					
Aluminum	0.66					
Ammonium (NH ₄ -N)	2.4					

ESP (calculated)	0.09					
SAR (calculated)	0.92					

* Soluble Salts: mmhos/cm = ppm / 640