

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

City of Kingman-Parks Department
3333 Harrison Street
86409

File Number: 82218
Date Received: 9/18/2023
Date Reported: 9/20/2023

Submitted By: Soil and Water Consulting

Lab Number	0005			0006			
Description	CENTENIAL PARK			CENTENIAL PARK			
	NORTH			SOUTH			
	SOCCER			SOCCER			
pH	8.3			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	533			509			
Chloride	36			73			
Nitrate (NO ₃ -N)	27.8			4.1			
Bicarbonate	225.35			226.13			
Sulfur	19.29			39.56			
Phosphorus	4.39			4.62			
Calcium	46.25	2.31	27.83	67.74	3.38	35.59	
Magnesium	28.08	2.31	27.85	34.05	2.80	29.48	
Potassium	59.65	1.53	18.40	36.87	0.94	9.93	
Sodium	49.43	2.15	25.92	54.64	2.38	25.01	
TOTAL		8.29	100		9.50	100	
Boron	0.11			0.11			
Iron	1.15			0.72			
Manganese	0.03			0.06			
Copper	0.06			0.04			
Zinc	0.04			0.02			
Aluminum	1.70			0.99			
Ammonium (NH ₄ -N)	17.3			1.1			
ESP (calculated)	0.82			0.73			
SAR (calculated)	1.41			1.35			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number 0007
Description SOUTH SIDE PARK
FOOTBALL

pH 8.2

	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	636					
Chloride	69					
Nitrate (NO ₃ -N)	45.0					
Bicarbonate	236.01					
Sulfur	23.58					
Phosphorus	5.74					
Calcium	72.55	3.62	35.30			
Magnesium	36.65	3.01	29.39			
Potassium	39.11	1.00	9.76			
Sodium	60.25	2.62	25.55			
TOTAL		10.25	100			
Boron	0.20					
Iron	0.51					
Manganese	0.03					
Copper	0.04					
Zinc	0.02					
Aluminum	0.67					
Ammonium (NH ₄ -N)	11.6					
ESP (calculated)	0.85					
SAR (calculated)	1.44					

* Soluble Salts: mmhos/cm = ppm / 640