

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

City of Kingman-Parks Department
3333 Harrison Street
86409

File Number: 82218
Date Received: 4/15/2024
Date Reported: 4/16/2024

Submitted By: Soil and Water Consulting

Lab Number	0057			0058			
Description	CENTENIAL PARK			CENTENIAL PARK			
	NORTH			SOUTH			
	SOCCER			SOCCER			
pH	8.3			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	318			363			
Chloride	20			28			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	158.68			167.34			
Sulfur	26.93			37.21			
Phosphorus	5.62			3.55			
Calcium	34.21	1.71	32.09	47.52	2.37	33.80	
Magnesium	18.65	1.53	28.84	25.42	2.09	29.80	
Potassium	24.98	0.64	12.01	30.85	0.79	11.25	
Sodium	33.10	1.44	27.05	40.57	1.76	25.15	
TOTAL		5.32	100		7.01	100	
Boron	0.20			0.14			
Iron	1.37			1.34			
Manganese	0.12			0.09			
Copper	0.10			0.10			
Zinc	0.04			0.01			
Aluminum	2.16			2.43			
Ammonium (NH ₄ -N)	0.9			1.0			
ESP (calculated)	0.41			0.48			
SAR (calculated)	1.13			1.18			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number 0059
Description SOUTH SIDE PARK
FOOTBALL

pH 8.3

	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	636					
Chloride	157					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	243.67					
Sulfur	18.60					
Phosphorus	3.75					
Calcium	61.20	3.05	27.20			
Magnesium	31.10	2.56	22.78			
Potassium	76.85	1.97	17.51			
Sodium	83.97	3.65	32.52			
TOTAL		11.23	100			
Boron	0.34					
Iron	0.79					
Manganese	0.25					
Copper	0.06					
Zinc	0.04					
Aluminum	1.37					
Ammonium (NH ₄ -N)	2.7					
ESP (calculated)	1.92					
SAR (calculated)	2.18					

* Soluble Salts: mmhos/cm = ppm / 640