

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

City of Kingman-Parks Department
3333 Harrison Street
86409

File Number: 82218
Date Received: 3/21/2022
Date Reported: 3/23/2022

Submitted By: Soil and Water Consulting

Lab Number	0070			0071			
Description	CENTENIAL PARK			CENTENIAL PARK			
	NORTH			SOUTH			
	SOCCER			SOCCER			
pH	8.4			8.3			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	529			422			
Chloride	65			51			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	167.56			205.59			
Sulfur	15.41			13.77			
Phosphorus	6.28			8.39			
Calcium	63.75	3.18	31.29	49.21	2.46	28.97	
Magnesium	38.61	3.18	31.23	30.15	2.48	29.25	
Potassium	43.39	1.11	10.92	44.00	1.13	13.28	
Sodium	62.09	2.70	26.56	55.56	2.42	28.50	
TOTAL		10.17	100		8.48	100	
Boron	0.19			0.30			
Iron	1.54			2.29			
Manganese	0.24			0.14			
Copper	0.13			0.20			
Zinc	0.04			0.05			
Aluminum	2.57			3.69			
Ammonium (NH ₄ -N)	< 0.5			< 0.5			
ESP (calculated)	0.96			1.00			
SAR (calculated)	1.51			1.54			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number 0072
Description SOUTH SIDE PARK
FOOTBALL

pH 8.4

	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	522					
Chloride	67					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	242.40					

Sulfur	29.13					
Phosphorus	5.44					
Calcium	75.69	3.78	34.68			
Magnesium	45.20	3.72	34.12			
Potassium	30.49	0.78	7.16			
Sodium	60.22	2.62	24.04			
TOTAL		10.89	100			

Boron	0.25					
Iron	1.03					
Manganese	0.17					
Copper	0.11					
Zinc	0.03					
Aluminum	1.52					
Ammonium (NH ₄ -N)	< 0.5					

ESP (calculated)	0.73					
SAR (calculated)	1.35					

* Soluble Salts: mmhos/cm = ppm / 640