

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

City of Kingman-Parks Department
3333 Harrison Street
86409

File Number: 82218
Date Received: 10/20/2020
Date Reported: 10/22/2020

Submitted By: Soil and Water Consulting

Lab Number	0129			0130			
Description	CENTENNIAL PARK			CENTENNIAL PARK			
	NORTH			SOUTH			
	SOCCER			SOCCER			
pH	7.9			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	970			671			
Chloride	125			95			
Nitrate (NO ₃ -N)	90.4			36.3			
Bicarbonate	93.94			106.03			
Sulfur	66.57			33.11			
Phosphorus	9.70			4.17			
Calcium	105.58	5.27	29.73	75.67	3.78	30.50	
Magnesium	71.90	5.91	33.36	45.73	3.76	30.38	
Potassium	75.25	1.92	10.86	50.27	1.29	10.39	
Sodium	106.20	4.62	26.05	81.79	3.56	28.73	
TOTAL		17.72	100		12.38	100	
Boron	0.26			0.20			
Iron	1.36			2.02			
Manganese	0.03			0.03			
Copper	0.05			0.05			
Zinc	0.03			0.02			
Aluminum	2.31			3.47			
Ammonium (NH ₄ -N)	3.5			1.1			
ESP (calculated)	1.59			1.42			
SAR (calculated)	1.95			1.83			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number 0131
Description SOUTH SIDE PARK
FOOTBALL

pH 8.3

	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	892					
Chloride	85					
Nitrate (NO ₃ -N)	13.3					
Bicarbonate	222.03					
Sulfur	93.18					
Phosphorus	2.44					
Calcium	135.87	6.78	39.05			
Magnesium	68.44	5.63	32.41			
Potassium	42.81	1.09	6.31			
Sodium	88.78	3.86	22.23			
TOTAL		17.36	100			
Boron	0.25					
Iron	0.60					
Manganese	0.06					
Copper	0.03					
Zinc	0.01					
Aluminum	0.93					
Ammonium (NH ₄ -N)	3.4					
ESP (calculated)	1.02					
SAR (calculated)	1.55					

* Soluble Salts: mmhos/cm = ppm / 640