

BROOKSIDE LABORATORIES, INC. 82218-4

SOIL AUDIT AND INVENTORY REPORT

Name City of Kingman-Parks City _____ State _____

Independent Consultant Soil and Water Consulting Date 9/30/2021

Sample Location		CENTENIAL PARK	FOOTBALL	NORTH	SOUTH		
Sample Identification			FIELD	SOCCER	SOCCER		
Lab Number			0310-1	0311-1	0312-1		
Total Exchange Capacity (ME/100 g)			19.61	23.29	18.71		
pH (H ₂ O 1:1)			a 7.6	a 7.7	a 7.5		
Organic Matter (360°C LOI) %			4.70	4.90	5.64		
Estimated Nitrogen Release lb/A			97	99	103		
ANIONS	SOLUBLE SULFUR*	ppm	49	40	36		
	MEHLICH III	lb/A P as P ₂ O ₅ ppm of P					
	BRAY II	lb/A P as P ₂ O ₅ ppm of P					
	OLSEN	lb/A P as P ₂ O ₅ ppm of P	311 68	220 48	160 35		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	5192 2596	5688 2844	4556 2278		
	MAGNESIUM*	lb/A ppm	1112 556	1500 750	1196 598		
	POTASSIUM*	lb/A ppm	690 345	1160 580	954 477		
	SODIUM*	lb/A ppm	170 85	218 109	178 89		
BASE SATURATION PERCENT							
	Calcium	%	66.19	61.06	60.88		
	Magnesium	%	23.63	26.84	26.63		
	Potassium	%	4.51	6.39	6.54		
	Sodium	%	1.88	2.03	2.07		
	Other Bases	%	3.80	3.70	3.90		
	Hydrogen	%	0.00	0.00	0.00		
EXTRACTABLE MINORS							
	Boron** (ppm)		1.85	1.61	1.70		
	Iron** (ppm)		70	61	73		
	Manganese** (ppm)		65	69	60		
	Copper** (ppm)		1.56	2.31	1.80		
	Zinc** (ppm)		12.49	15.08	11.36		
	Aluminum** (ppm)		109	148	100		
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		28.5	42.7	31.7		
	NH ₄ -N (ppm)		< 0.5	1.8	2.1		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable