

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

 Name City of Kingman-Parks City _____ State _____

 Independent Consultant Soil and Water Consulting Date 10/22/2020

Sample Location		CENTENNIAL PARK	NORTH	SOUTH			
Sample Identification			SOCCER	SOCCER			
Lab Number			0800-1	0801-1			
Total Exchange Capacity (ME/100 g)			17.56	22.29			
pH (H ₂ O 1:1)			a 7.5	a 7.6			
Organic Matter (360°C LOI) %			6.28	7.01			
Estimated Nitrogen Release lb/A			106	110			
ANIONS	SOLUBLE SULFUR*	ppm	48	35			
	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	142 31	78 17			
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3828 1914	5384 2692			
	MAGNESIUM*	lb/A ppm	1292 646	1452 726			
	POTASSIUM*	lb/A ppm	1092 546	1128 564			
	SODIUM*	lb/A ppm	238 119	222 111			
BASE SATURATION PERCENT							
	Calcium	%	54.50	60.39			
	Magnesium	%	30.66	27.14			
	Potassium	%	7.97	6.49			
	Sodium	%	2.95	2.17			
	Other Bases	%	3.90	3.80			
	Hydrogen	%	0.00	0.00			
EXTRACTABLE MINORS							
	Boron** (ppm)		1.47	1.19			
	Iron** (ppm)		61	41			
	Manganese** (ppm)		35	20			
	Copper** (ppm)		1.89	1.84			
	Zinc** (ppm)		12.72	9.13			
	Aluminum** (ppm)		114	40			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		41.1	30.7			
	NH ₄ -N (ppm)		11.9	3.0			

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

82218-2

Name City of Kingman-Parks City _____ State _____Independent Consultant Soil and Water Consulting Date 10/22/2020

Sample Location		SOUTH SIDE PARK	FOOTBALL				
Sample Identification							
Lab Number			0802-1				
Total Exchange Capacity (ME/100 g)			19.47				
pH (H ₂ O 1:1)			a 8.1				
Organic Matter (360°C LOI) %			5.11				
Estimated Nitrogen Release lb/A			101				
ANIONS	SOLUBLE SULFUR* ppm		71				
	PHOSPHORUS	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	133 29				
EXCHANGEABLE CATIONS	CALCIUM* lb/A		4992				
			ppm	2496			
	MAGNESIUM* lb/A		1178				
			ppm	589			
	POTASSIUM* lb/A		746				
		ppm	373				
SODIUM* lb/A		220					
		ppm	110				
BASE SATURATION PERCENT							
Calcium %			64.10				
Magnesium %			25.21				
Potassium %			4.91				
Sodium %			2.46				
Other Bases %			3.30				
Hydrogen %			0.00				
EXTRACTABLE MINORS							
Boron** (ppm)			1.40				
Iron** (ppm)			41				
Manganese** (ppm)			31				
Copper** (ppm)			1.42				
Zinc** (ppm)			8.44				
Aluminum** (ppm)			24				
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		18.0				
	NH ₄ -N (ppm)		2.6				

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable