

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

73606-30

Name Seven Oaks CC City Bakersfield State CAIndependent Consultant Soil and Water Consulting Date 3/14/2023

Sample Location	ISLAND	TEE	GREEN		
Sample Identification		8	8		
Lab Number		0186-1	0188-1		
Total Exchange Capacity (ME/100 g)		10.46	7.50		
pH (H ₂ O 1:1)		6.9	a 7.6		
Organic Matter (360°C LOI) %		3.37	1.19		
Estimated Nitrogen Release lb/A		84	44		
ANIONS	SOLUBLE SULFUR*	ppm	15	8	
	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	50 11	64 14	
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3260 1630	2414 1207	
	MAGNESIUM*	lb/A ppm	276 138	112 56	
	POTASSIUM*	lb/A ppm	272 136	388 194	
	SODIUM*	lb/A ppm	86 43	100 50	
BASE SATURATION PERCENT					
	Calcium	%	77.92	80.47	
	Magnesium	%	10.99	6.22	
	Potassium	%	3.33	6.63	
	Sodium	%	1.79	2.90	
	Other Bases	%	4.50	3.80	
	Hydrogen	%	1.50	0.00	
EXTRACTABLE MINORS					
	Boron** (ppm)		1.07	0.79	
	Iron** (ppm)		254	207	
	Manganese** (ppm)		35	85	
	Copper** (ppm)		1.64	2.84	
	Zinc** (ppm)		16.14	10.79	
	Aluminum** (ppm)		155	260	
OTHER TESTS	Soluble Salts (mmhos/cm)				
	Chlorides (ppm)				
	NO ₃ -N (ppm)		0.7	0.8	
	NH ₄ -N (ppm)		1.5	< 0.5	

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

lb/A

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Independent Consultant Soil and Water Consulting Date 3/14/2023

Sample Location		LAKES	TEE		GREEN		
Sample Identification			8		8		
Lab Number			0189-1		0191-1		
Total Exchange Capacity (ME/100 g)			10.43		3.35		
pH (H ₂ O 1:1)			7.0		^a 7.4		
Organic Matter (360°C LOI) %			2.98		0.62		
Estimated Nitrogen Release lb/A			80		25		
ANIONS	SOLUBLE SULFUR*	ppm	19		5		
	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	18 4		18 4		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3252 1626		848 424		
	MAGNESIUM*	lb/A ppm	280 140		200 100		
	POTASSIUM*	lb/A ppm	286 143		128 64		
	SODIUM*	lb/A ppm	142 71		44 22		
BASE SATURATION PERCENT							
	Calcium	%	77.95		63.28		
	Magnesium	%	11.19		24.88		
	Potassium	%	3.52		4.90		
	Sodium	%	2.96		2.86		
	Other Bases	%	4.40		4.00		
	Hydrogen	%	0.00		0.00		
EXTRACTABLE MINORS							
	Boron** (ppm)		1.06		0.61		
	Iron** (ppm)		296		205		
	Manganese** (ppm)		22		195		
	Copper** (ppm)		2.53		2.56		
	Zinc** (ppm)		3.64		11.75		
	Aluminum** (ppm)		231		163		
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		0.9		1.6		
	NH ₄ -N (ppm)		1.5		1.0		

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Sample Location OAKS			TEE		GREEN		
Sample Identification			8		8		
Lab Number			0192-1		0194-1		
Total Exchange Capacity (ME/100 g)			10.11		6.50		
pH (H ₂ O 1:1)			7.2		^a 7.8		
Organic Matter (360°C LOI) %			4.06		1.08		
Estimated Nitrogen Release lb/A			91		42		
ANIONS	SOLUBLE SULFUR* ppm		15		8		
	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	32 7		128 28		
EXCHANGEABLE CATIONS	CALCIUM*		lb/A ppm	3222 1611	2028 1014		
	MAGNESIUM*		lb/A ppm	220 110	128 64		
	POTASSIUM*		lb/A ppm	330 165	412 206		
	SODIUM*		lb/A ppm	132 66	60 30		
	BASE SATURATION PERCENT						
Calcium %			79.67		78.00		
Magnesium %			9.07		8.21		
Potassium %			4.18		8.13		
Sodium %			2.84		2.01		
Other Bases %			4.20		3.60		
Hydrogen %			0.00		0.00		
EXTRACTABLE MINORS							
Boron** (ppm)			1.23		1.00		
Iron** (ppm)			220		220		
Manganese** (ppm)			31		95		
Copper** (ppm)			2.13		4.12		
Zinc** (ppm)			12.24		16.10		
Aluminum** (ppm)			134		151		
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		3.2		< 0.5		
	NH ₄ -N (ppm)		1.4		1.1		

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