

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

73606-30

Name Seven Oaks CC City Bakersfield State CA

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

Sample Location	ISLAND		FAIRWAY			
Sample Identification			8			
Lab Number			0187-1			
Total Exchange Capacity (ME/100 g)			9.87			
pH	Buffer (SMP/Sikora)		7.5			
	H ₂ O (1:1)		6.5			
Organic Matter (360°C LOI) %			3.09			
Estimated Nitrogen Release	lb/A		81			
ANIONS	SOLUBLE SULFUR*					
	ppm		19			
	MEHLICH III lb/A P as P ₂ O ₅		627			
	ppm of P		137			
	BRAY II lb/A P as P ₂ O ₅					
	ppm of P					
EXCHANGEABLE CATIONS	OLSEN lb/A P as P ₂ O ₅					
	ppm of P					
	CALCIUM* lb/A		2670			
	ppm		1335			
	MAGNESIUM* lb/A		256			
BASE SATURATION PERCENT	ppm		128			
	POTASSIUM* lb/A		540			
	ppm		270			
	SODIUM* lb/A		96			
	ppm		48			
BASE SATURATION PERCENT						
	Calcium %		67.63			
	Magnesium %		10.81			
	Potassium %		7.01			
	Sodium %		2.11			
	Other Bases %		4.90			
	Hydrogen %		7.50			
EXTRACTABLE MINORS						
	Boron* (ppm)		1.09			
	Iron* (ppm)		345			
	Manganese* (ppm)		21			
	Copper* (ppm)		0.98			
	Zinc* (ppm)		8.99			
	Aluminum* (ppm)		265			
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		1.3			
	NH ₄ -N (ppm)		3.3			
	NO ₃ -N (ppm)					
	NH ₄ -N (ppm)					

* Mehlich III Extractable

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Sample Location	LAKES		FAIRWAY			
Sample Identification			8			
Lab Number			0190-1			
Total Exchange Capacity (ME/100 g)			12.85			
pH	Buffer (SMP/Sikora)		7.5			
	H ₂ O (1:1)		6.7			
Organic Matter (360°C LOI) %			3.40			
Estimated Nitrogen Release	lb/A		84			
ANIONS	SOLUBLE SULFUR*					
	ppm		31			
	MEHLICH III lb/A P as P ₂ O ₅		197			
	ppm of P		43			
	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					
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	3726			
	ppm		1863			
	MAGNESIUM*	lb/A	388			
	ppm		194			
	POTASSIUM*	lb/A	294			
	ppm		147			
	SODIUM*	lb/A	164			
	ppm		82			
BASE SATURATION PERCENT						
	Calcium %		72.49			
	Magnesium %		12.58			
	Potassium %		2.93			
	Sodium %		2.77			
	Other Bases %		4.70			
	Hydrogen %		4.50			
EXTRACTABLE MINORS						
	Boron* (ppm)		1.08			
	Iron* (ppm)		405			
	Manganese* (ppm)		22			
	Copper* (ppm)		1.68			
	Zinc* (ppm)		14.18			
	Aluminum* (ppm)		231			
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		0.9			
	NH ₄ -N (ppm)		3.2			
	NO ₃ -N (ppm)					
	NH ₄ -N (ppm)					

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Sample Location	OAKS		FAIRWAY			
Sample Identification			8			
Lab Number			0193-1			
Total Exchange Capacity (ME/100 g)			14.24			
pH	Buffer (SMP/Sikora)		7.5			
	H ₂ O (1:1)		6.6			
Organic Matter (360°C LOI) %			3.74			
Estimated Nitrogen Release	lb/A		87			
ANIONS	SOLUBLE SULFUR*					
	ppm		38			
	MEHLICH III lb/A P as P ₂ O ₅		385			
	ppm of P		84			
	BRAY II lb/A P as P ₂ O ₅					
EXCHANGEABLE CATIONS	ppm of P					
	OLSEN lb/A P as P ₂ O ₅					
	ppm of P					
	CALCIUM* lb/A		3844			
	ppm		1922			
	MAGNESIUM* lb/A		410			
	ppm		205			
	POTASSIUM* lb/A		722			
	ppm		361			
	SODIUM* lb/A		212			
	ppm		106			
BASE SATURATION PERCENT						
	Calcium %		67.49			
	Magnesium %		12.00			
	Potassium %		6.50			
	Sodium %		3.24			
	Other Bases %		4.80			
	Hydrogen %		6.00			
EXTRACTABLE MINORS						
	Boron* (ppm)		1.56			
	Iron* (ppm)		514			
	Manganese* (ppm)		19			
	Copper* (ppm)		1.76			
	Zinc* (ppm)		8.01			
	Aluminum* (ppm)		271			
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		4.7			
	NH ₄ -N (ppm)		5.3			

* Mehlich III Extractable