

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

73606-29

Name Seven Oaks CC City Bakersfield State CA

Independent Consultant Soil and Water Consulting Date 10/17/2022

Sample Location		ISLAND		FAIRWAY			
Sample Identification				6			
Lab Number				0442-1			
Total Exchange Capacity (ME/100 g)				8.69			
pH	Buffer (SMP/Sikora)			7.5			
	H ₂ O (1:1)			6.7			
Organic Matter (360°C LOI) %				3.02			
Estimated Nitrogen Release		lb/A		80			
ANIONS	SOLUBLE SULFUR*						
	PHOSPHORUS		ppm		17		
		MEHLICH III	lb/A P as P ₂ O ₅ ppm of P		211		
					46		
	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		2444		
			ppm		1222		
	MAGNESIUM*		lb/A		248		
			ppm		124		
	POTASSIUM*		lb/A		300		
			ppm		150		
	SODIUM*		lb/A		166		
			ppm		83		
BASE SATURATION PERCENT							
Calcium		%		70.31			
Magnesium		%		11.89			
Potassium		%		4.43			
Sodium		%		4.15			
Other Bases		%		4.70			
Hydrogen		%		4.50			
EXTRACTABLE MINORS							
Boron* (ppm)				0.80			
Iron* (ppm)				271			
Manganese* (ppm)				22			
Copper* (ppm)				1.01			
Zinc* (ppm)				3.20			
Aluminum* (ppm)				206			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)				6.8		
	NH ₄ -N (ppm)				3.5		
	NO ₃ -N (ppm)						
	NH ₄ -N (ppm)						

* Mehlich III Extractable

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Sample Location	LAKES		FAIRWAY			
Sample Identification			6			
Lab Number			0445-1			
Total Exchange Capacity (ME/100 g)			10.19			
pH	Buffer (SMP/Sikora)		7.6			
	H ₂ O (1:1)		6.8			
Organic Matter (360°C LOI) %			3.07			
Estimated Nitrogen Release	lb/A		81			
ANIONS	SOLUBLE SULFUR*					
	ppm		36			
	MEHLICH III lb/A P as P ₂ O ₅		472			
	ppm of P		103			
	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	2842			
	ppm		1421			
	MAGNESIUM*	lb/A	308			
	ppm		154			
	POTASSIUM*	lb/A	464			
	ppm		232			
	SODIUM*	lb/A	200			
	ppm		100			
BASE SATURATION PERCENT						
	Calcium %		69.73			
	Magnesium %		12.59			
	Potassium %		5.84			
	Sodium %		4.27			
	Other Bases %		4.60			
	Hydrogen %		3.00			
EXTRACTABLE MINORS						
	Boron* (ppm)		0.72			
	Iron* (ppm)		431			
	Manganese* (ppm)		24			
	Copper* (ppm)		1.44			
	Zinc* (ppm)		7.30			
	Aluminum* (ppm)		216			
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		8.7			
	NH ₄ -N (ppm)		3.9			
	NO ₃ -N (ppm)					
	NH ₄ -N (ppm)					

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Sample Location	OAKS		FAIRWAY		
Sample Identification			6		
Lab Number			0448-1		
Total Exchange Capacity (ME/100 g)			12.65		
pH	Buffer (SMP/Sikora)		7.6		
	H ₂ O (1:1)		6.8		
Organic Matter (360°C LOI) %			4.16		
Estimated Nitrogen Release	lb/A		92		
ANIONS	SOLUBLE SULFUR*				
	ppm		25		
	MEHLICH III lb/A P as P ₂ O ₅		467		
	ppm of P		102		
	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		3686		
	ppm		1843		
	MAGNESIUM* lb/A		310		
	ppm		155		
	POTASSIUM* lb/A		530		
	ppm		265		
	SODIUM* lb/A		230		
	ppm		115		
BASE SATURATION PERCENT					
	Calcium %		72.85		
	Magnesium %		10.21		
	Potassium %		5.37		
	Sodium %		3.95		
	Other Bases %		4.60		
	Hydrogen %		3.00		
EXTRACTABLE MINORS					
	Boron* (ppm)		1.08		
	Iron* (ppm)		408		
	Manganese* (ppm)		15		
	Copper* (ppm)		1.33		
	Zinc* (ppm)		13.04		
	Aluminum* (ppm)		202		
OTHER TESTS	Soluble Salts (mmhos/cm)				
	Chlorides (ppm)				
	NO ₃ -N (ppm)		12.3		
	NH ₄ -N (ppm)		4.1		

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