

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

73606-37

Name Seven Oaks Country Club City Bakersfield State CAIndependent Consultant Soil and Water Consulting Date 05/02/2025

Sample Location		ISLAND	TEE				
Sample Identification			3				
Lab Number			0730-1				
Total Exchange Capacity (ME/100 g)			9.88				
pH (H ₂ O 1:1)			7.3				
Organic Matter (360°C LOI) %			4.03				
Estimated Nitrogen Release lb/A			90				
ANIONS	SOLUBLE SULFUR* ppm		22				
	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	14				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	3210				
		ppm	1605				
	MAGNESIUM*	lb/A	214				
		ppm	107				
	POTASSIUM*	lb/A	192				
		ppm	96				
	SODIUM*	lb/A	142				
		ppm	71				
BASE SATURATION PERCENT							
	Calcium	%	81.22				
	Magnesium	%	9.02				
	Potassium	%	2.49				
	Sodium	%	3.12				
	Other Bases	%	4.10				
	Hydrogen	%	0.00				
EXTRACTABLE MINORS							
	Boron** (ppm)		0.72				
	Iron** (ppm)		246				
	Manganese** (ppm)		30				
	Copper** (ppm)		2.27				
	Zinc** (ppm)		3.34				
	Aluminum** (ppm)		192				
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		1.1				
	NH ₄ -N (ppm)		0.9				

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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Sample Location		ISLAND	GREEN				
Sample Identification			3				
Lab Number			0732-1				
Total Exchange Capacity (ME/100 g)			3.24				
pH (H ₂ O 1:1)			a 7.9				
Organic Matter (360°C LOI) %			0.52				
Estimated Nitrogen Release lb/A			21				
ANIONS	SOLUBLE SULFUR* ppm		31				
	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	50 11				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm		988 494				
	MAGNESIUM* lb/A ppm		78 39				
	POTASSIUM* lb/A ppm		150 75				
	SODIUM* lb/A ppm		66 33				
BASE SATURATION PERCENT							
Calcium %			76.23				
Magnesium %			10.03				
Potassium %			5.94				
Sodium %			4.43				
Other Bases %			3.50				
Hydrogen %			0.00				
EXTRACTABLE MINORS							
Boron** (ppm)			0.65				
Iron** (ppm)			99				
Manganese** (ppm)			55				
Copper** (ppm)			1.74				
Zinc** (ppm)			6.35				
Aluminum** (ppm)			94				
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)			9.0			
	NH ₄ -N (ppm)			< 0.5			

a - alkaline soil

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Sample Location			LAKES	TEE		GREEN		
Sample Identification				3		3		
Lab Number				0733-1		0735-1		
Total Exchange Capacity (ME/100 g)				7.91		8.27		
pH (H ₂ O 1:1)				a 7.7		a 7.8		
Organic Matter (360°C LOI) %				2.53		1.28		
Estimated Nitrogen Release lb/A				71		46		
ANIONS	SOLUBLE SULFUR* ppm			18		57		
	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	46 10		73 16			
EXCHANGEABLE CATIONS	CALCIUM*		lb/A ppm	2686 1343		2554 1277		
	MAGNESIUM*		lb/A ppm	102 51		142 71		
	POTASSIUM*		lb/A ppm	206 103		506 253		
	SODIUM*		lb/A ppm	100 50		160 80		
	BASE SATURATION PERCENT							
	Calcium %			84.89		77.21		
	Magnesium %			5.37		7.15		
	Potassium %			3.34		7.84		
Sodium %			2.75		4.21			
Other Bases %			3.70		3.60			
Hydrogen %			0.00		0.00			
EXTRACTABLE MINORS								
Boron** (ppm)				0.87		0.90		
Iron** (ppm)				135		193		
Manganese** (ppm)				32		68		
Copper** (ppm)				1.52		3.16		
Zinc** (ppm)				10.84		11.61		
Aluminum** (ppm)				92		205		
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							
	NO3-N (ppm)			5.2		1.1		
	NH4-N (ppm)			2.5		0.9		

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Sample Location OAKS			TEE		GREEN		
Sample Identification			3		3		
Lab Number			0736-1		0738-1		
Total Exchange Capacity (ME/100 g)			9.22		6.76		
pH (H ₂ O 1:1)			a 7.9		a 7.8		
Organic Matter (360°C LOI) %			2.69		1.32		
Estimated Nitrogen Release lb/A			74		46		
ANIONS	SOLUBLE SULFUR* ppm		11		62		
	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	23 5		115 25		
EXCHANGEABLE CATIONS	CALCIUM*		3098 1549		2126 1063		
	MAGNESIUM*		150 75		142 71		
	POTASSIUM*		256 128		302 151		
	SODIUM*		92 46		104 52		
	BASE SATURATION PERCENT						
	Calcium	%	84.00		78.62		
	Magnesium	%	6.78		8.75		
	Potassium	%	3.56		5.73		
	Sodium	%	2.17		3.34		
	Other Bases	%	3.50		3.60		
	Hydrogen	%	0.00		0.00		
EXTRACTABLE MINORS							
Boron** (ppm)			0.85		0.90		
Iron** (ppm)			147		206		
Manganese** (ppm)			31		81		
Copper** (ppm)			1.29		3.39		
Zinc** (ppm)			9.34		16.86		
Aluminum** (ppm)			113		98		
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		3.6		0.6		
	NH ₄ -N (ppm)		0.6		< 0.5		

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