

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Seven Oaks CC City Bakersfield State CA

Independent Consultant Soil and Water Consulting Date 10/7/2021

Sample Location	TEE	LAKES 4	OAKS 4	ISLAND 4		
Sample Identification						
Lab Number		0547-1	0548-1	0549-1		
Total Exchange Capacity (ME/100 g)		9.85	8.56	5.63		
pH (H ₂ O 1:1)		7.2	7.1	7.0		
Organic Matter (360°C LOI) %		3.20	3.45	2.55		
Estimated Nitrogen Release lb/A		82	84	71		
ANIONS	SOLUBLE SULFUR*	ppm	30	29	28	
	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	27 6	23 5	
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3200 1600	2758 1379	1758 879	
	MAGNESIUM*	lb/A ppm	190 95	176 88	116 58	
	POTASSIUM*	lb/A ppm	288 144	192 96	176 88	
	SODIUM*	lb/A ppm	126 63	146 73	128 64	
BASE SATURATION PERCENT						
	Calcium	%	81.22	80.55	78.06	
	Magnesium	%	8.04	8.57	8.58	
	Potassium	%	3.75	2.88	4.01	
	Sodium	%	2.78	3.71	4.94	
	Other Bases	%	4.20	4.30	4.40	
	Hydrogen	%	0.00	0.00	0.00	
EXTRACTABLE MINORS						
	Boron** (ppm)		0.87	0.69	0.77	
	Iron** (ppm)		157	232	397	
	Manganese** (ppm)		32	19	16	
	Copper** (ppm)		1.25	1.37	2.05	
	Zinc** (ppm)		10.23	11.92	4.51	
	Aluminum** (ppm)		94	113	168	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		14.2	5.6	5.2	
	NH ₄ -N (ppm)		1.8	1.5	3.3	

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Seven Oaks CC City Bakersfield State CA

Independent Consultant Soil and Water Consulting Date 10/7/2021

Sample Location	GREEN	LAKES 4	OAKS 4	ISLAND 4		
Sample Identification						
Lab Number		0553-1	0554-1	0555-1		
Total Exchange Capacity (ME/100 g)		7.72	6.36	3.22		
pH (H ₂ O 1:1)		a 7.8	a 7.8	a 7.6		
Organic Matter (360°C LOI) %		0.98	1.03	0.63		
Estimated Nitrogen Release lb/A		39	41	25		
ANIONS	SOLUBLE SULFUR*	ppm	61	84	67	
	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	133 29	64 14	
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	2448	1946	968	
		ppm	1224	973	484	
	MAGNESIUM*	lb/A	110	104	64	
		ppm	55	52	32	
	POTASSIUM*	lb/A	252	378	176	
		ppm	126	189	88	
	SODIUM*	lb/A	248	160	84	
		ppm	124	80	42	
BASE SATURATION PERCENT						
	Calcium	%	79.27	76.49	75.16	
	Magnesium	%	5.94	6.81	8.28	
	Potassium	%	4.18	7.62	7.01	
	Sodium	%	6.98	5.47	5.67	
	Other Bases	%	3.60	3.60	3.80	
	Hydrogen	%	0.00	0.00	0.00	
EXTRACTABLE MINORS						
	Boron** (ppm)		0.62	0.93	0.84	
	Iron** (ppm)		120	218	165	
	Manganese** (ppm)		46	93	102	
	Copper** (ppm)		1.52	3.79	2.55	
	Zinc** (ppm)		3.90	14.01	10.64	
	Aluminum** (ppm)		229	133	105	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		< 0.5	1.6	4.0	
	NH ₄ -N (ppm)		< 0.5	< 0.5	< 0.5	

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

73606-26

 Name Seven Oaks CC City Bakersfield State CA

 Independent Consultant Soil and Water Consulting Date 10/7/2021

Sample Location		GREEN	CHIPPING				
Sample Identification							
Lab Number			0556-1				
Total Exchange Capacity (ME/100 g)			0.86				
pH (H ₂ O 1:1)			a 7.5				
Organic Matter (360°C LOI) %			0.34				
Estimated Nitrogen Release lb/A			14				
ANIONS	SOLUBLE SULFUR* ppm		21				
	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	9 2				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm		276 138				
	MAGNESIUM* lb/A ppm		< 2 < 1				
	POTASSIUM* lb/A ppm		32 16				
	SODIUM* lb/A ppm		40 20				
BASE SATURATION PERCENT							
Calcium %		80.23					
Magnesium %		0.97					
Potassium %		4.77					
Sodium %		10.11					
Other Bases %		3.90					
Hydrogen %		0.00					
EXTRACTABLE MINORS							
Boron** (ppm)		0.26					
Iron** (ppm)		76					
Manganese** (ppm)		28					
Copper** (ppm)		0.92					
Zinc** (ppm)		4.12					
Aluminum** (ppm)		65					
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		1.1				
	NH ₄ -N (ppm)		0.6				

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable