

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Yorba Linda Country Club City Yorba Linda State CA

Independent Consultant Soil and Water Consulting Date 10/26/2023

Sample Location	TEE	2	14		
Sample Identification					
Lab Number		1096-1	1097-1		
Total Exchange Capacity (ME/100 g)		15.56	10.89		
pH (H ₂ O 1:1)		^a 7.8	^a 7.7		
Organic Matter (360°C LOI) %		3.10	2.38		
Estimated Nitrogen Release	lb/A	81	68		
ANIONS	SOLUBLE SULFUR*	ppm	65	64	
	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	206 45	321 70
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	4632 2316	3210 1605	
	MAGNESIUM*	lb/A ppm	610 305	388 194	
	POTASSIUM*	lb/A ppm	228 114	364 182	
	SODIUM*	lb/A ppm	270 135	176 88	
	BASE SATURATION PERCENT				
	Calcium %		74.42	73.69	
	Magnesium %		16.33	14.85	
	Potassium %		1.88	4.29	
	Sodium %		3.77	3.51	
	Other Bases %		3.60	3.70	
	Hydrogen %		0.00	0.00	
EXTRACTABLE MINORS					
	Boron** (ppm)		1.37	1.04	
	Iron** (ppm)		316	374	
	Manganese** (ppm)		17	25	
	Copper** (ppm)		2.30	1.98	
	Zinc** (ppm)		11.32	11.34	
	Aluminum** (ppm)		108	144	
OTHER TESTS	Soluble Salts (mmhos/cm)				
	Chlorides (ppm)				
	NO ₃ -N (ppm)		13.8	22.7	
	NH ₄ -N (ppm)		1.4	1.1	

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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Independent Consultant Soil and Water Consulting Date 10/26/2023

Sample Location		FAIRWAY	2	14			
Sample Identification							
Lab Number			1098-1	1099-1			
Total Exchange Capacity (ME/100 g)			23.41	23.51			
pH (H ₂ O 1:1)			^a 7.9	^a 8.0			
Organic Matter (360°C LOI) %			6.81	6.93			
Estimated Nitrogen Release lb/A			109	110			
ANIONS	SOLUBLE SULFUR* ppm		161	216			
	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	298 65	174 38			
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm		6138 3069	6096 3048			
	MAGNESIUM* lb/A ppm		1280 640	1342 671			
	POTASSIUM* lb/A ppm		664 332	630 315			
	SODIUM* lb/A ppm		490 245	494 247			
	BASE SATURATION PERCENT						
	Calcium %		65.55	64.82			
	Magnesium %		22.78	23.78			
	Potassium %		3.64	3.44			
	Sodium %		4.55	4.57			
	Other Bases %		3.50	3.40			
	Hydrogen %		0.00	0.00			
EXTRACTABLE MINORS							
	Boron** (ppm)		3.86	2.88			
	Iron** (ppm)		155	102			
	Manganese** (ppm)		36	54			
	Copper** (ppm)		2.91	2.40			
	Zinc** (ppm)		14.84	9.79			
	Aluminum** (ppm)		71	75			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)			6.2	4.9		
	NH ₄ -N (ppm)			6.4	1.3		

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Sample Location	GREEN	2	14		
Sample Identification					
Lab Number		1100-1	1101-1		
Total Exchange Capacity (ME/100 g)		5.06	4.51		
pH (H ₂ O 1:1)		a 8.5	a 8.5		
Organic Matter (360°C LOI) %		0.49	0.28		
Estimated Nitrogen Release lb/A		20	11		
ANIONS	SOLUBLE SULFUR* ppm	24	24		
	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 3	46 10	
EXCHANGEABLE CATIONS	CALCIUM* lb/A	1448	1306		
	ppm	724	653		
	MAGNESIUM* lb/A	212	190		
	ppm	106	95		
	POTASSIUM* lb/A	140	82		
ppm	70	41			
SODIUM* lb/A	104	102			
ppm	52	51			
BASE SATURATION PERCENT					
Calcium	%	71.54	72.39		
Magnesium	%	17.46	17.55		
Potassium	%	3.55	2.33		
Sodium	%	4.47	4.92		
Other Bases	%	2.90	2.90		
Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS					
Boron** (ppm)		0.63	0.53		
Iron** (ppm)		84	76		
Manganese** (ppm)		16	16		
Copper** (ppm)		0.65	0.66		
Zinc** (ppm)		2.35	2.71		
Aluminum** (ppm)		62	50		
OTHER TESTS	Soluble Salts (mmhos/cm)				
	Chlorides (ppm)				
	NO ₃ -N (ppm)		1.2	1.6	
	NH ₄ -N (ppm)		0.9	< 0.5	

a - alkaline soil

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