

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 03/10/2023

Sample Location	TEE	1	5	9	18		
Sample Identification							
Lab Number		0267-1	0268-1	0269-1	0270-1		
Total Exchange Capacity (ME/100 g)		14.17	13.51	12.99	12.05		
pH (H ₂ O 1:1)		^a 7.6	^a 7.9	^a 7.9	^a 7.9		
Organic Matter (360°C LOI) %		2.86	3.34	2.82	2.71		
Estimated Nitrogen Release	lb/A	77	83	76	74		
ANIONS	SOLUBLE SULFUR*	ppm	47	24	41	52	
	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	197 43	302 66	362 79	302 66
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	4162	4062	3996	3732	
		ppm	2081	2031	1998	1866	
	MAGNESIUM*	lb/A	644	576	506	460	
		ppm	322	288	253	230	
	POTASSIUM*	lb/A	150	176	148	168	
ppm		75	88	74	84		
SODIUM*	lb/A	160	116	112	76		
	ppm	80	58	56	38		
BASE SATURATION PERCENT							
	Calcium	%	73.43	75.17	76.91	77.43	
	Magnesium	%	18.94	17.76	16.23	15.91	
	Potassium	%	1.36	1.67	1.46	1.79	
	Sodium	%	2.45	1.87	1.87	1.37	
	Other Bases	%	3.80	3.50	3.50	3.50	
	Hydrogen	%	0.00	0.00	0.00	0.00	
EXTRACTABLE MINORS							
	Boron** (ppm)		1.32	1.60	1.81	1.70	
	Iron** (ppm)		293	220	263	315	
	Manganese** (ppm)		33	31	27	34	
	Copper** (ppm)		2.62	2.56	2.56	2.94	
	Zinc** (ppm)		8.80	10.00	10.17	16.73	
	Aluminum** (ppm)		163	140	148	215	
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		10.2	12.2	7.1	8.8	
	NH ₄ -N (ppm)		2.0	1.8	1.2	1.6	

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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 03/10/2023

Sample Location	FAIRWAY	1	9	10	18	
Sample Identification						
Lab Number		0271-1	0272-1	0273-1	0274-1	
Total Exchange Capacity (ME/100 g)		21.18	24.43	26.70	25.67	
pH (H ₂ O 1:1)		^a 8.0	^a 8.0	^a 8.0	^a 8.1	
Organic Matter (360°C LOI) %		6.82	6.64	6.93	6.81	
Estimated Nitrogen Release lb/A		109	108	110	109	
ANIONS	SOLUBLE SULFUR* ppm	57	98	141	56	
	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	307 67	202 44	165 36	183 40
EXCHANGEABLE CATIONS	CALCIUM* lb/A	5698	6366	6800	6636	
	ppm	2849	3183	3400	3318	
	MAGNESIUM* lb/A	1222	1514	1702	1638	
	ppm	611	757	851	819	
	POTASSIUM* lb/A	460	496	512	502	
ppm	230	248	256	251		
SODIUM* lb/A	246	342	480	352		
ppm	123	171	240	176		
BASE SATURATION PERCENT						
Calcium	%	67.26	65.15	63.67	64.63	
Magnesium	%	24.04	25.82	26.56	26.59	
Potassium	%	2.78	2.60	2.46	2.51	
Sodium	%	2.52	3.04	3.91	2.98	
Other Bases	%	3.40	3.40	3.40	3.30	
Hydrogen	%	0.00	0.00	0.00	0.00	
EXTRACTABLE MINORS						
Boron** (ppm)		3.79	3.77	3.36	3.26	
Iron** (ppm)		153	105	160	94	
Manganese** (ppm)		46	51	60	55	
Copper** (ppm)		3.48	3.18	3.67	2.94	
Zinc** (ppm)		14.48	11.37	10.82	10.40	
Aluminum** (ppm)		106	97	116	102	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		9.5	8.3	11.8	8.9
	NH ₄ -N (ppm)		3.1	1.8	4.2	3.0

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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 03/10/2023

Sample Location	GREEN	1	4	9	7	15	
Sample Identification							
Lab Number		0275-1	0276-1	0277-1	0278-1	0279-1	
Total Exchange Capacity (ME/100 g)		6.62	6.35	6.57	5.14	4.38	
pH (H ₂ O 1:1)		a 8.1	a 8.2	a 8.3	a 8.2	a 8.0	
Organic Matter (360°C LOI) %		0.79	0.81	0.77	0.51	0.68	
Estimated Nitrogen Release lb/A		32	32	31	20	27	
ANIONS	SOLUBLE SULFUR* ppm	27	24	27	19	18	
	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	46 10	41 9	23 5	60 13
EXCHANGEABLE CATIONS	CALCIUM* lb/A	2120	2002	2076	1624	1350	
	ppm	1060	1001	1038	812	675	
	MAGNESIUM* lb/A	204	200	222	174	156	
	ppm	102	100	111	87	78	
	POTASSIUM* lb/A	116	136	108	70	88	
ppm	58	68	54	35	44		
SODIUM* lb/A	46	60	52	48	42		
ppm	23	30	26	24	21		
BASE SATURATION PERCENT							
Calcium	%	80.06	78.82	79.00	78.99	77.05	
Magnesium	%	12.84	13.12	14.08	14.11	14.84	
Potassium	%	2.25	2.75	2.11	1.75	2.58	
Sodium	%	1.51	2.05	1.72	2.03	2.08	
Other Bases	%	3.30	3.20	3.10	3.20	3.40	
Hydrogen	%	0.00	0.00	0.00	0.00	0.00	
EXTRACTABLE MINORS							
Boron** (ppm)		0.83	0.85	0.79	0.71	0.60	
Iron** (ppm)		77	82	75	70	81	
Manganese** (ppm)		21	26	17	15	22	
Copper** (ppm)		1.12	1.29	1.35	0.92	1.69	
Zinc** (ppm)		4.52	5.25	3.77	3.28	4.34	
Aluminum** (ppm)		47	42	57	56	51	
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		2.3	2.1	1.4	1.6	1.5
	NH ₄ -N (ppm)		0.6	0.8	0.8	0.8	0.8

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Yorba Linda Country Club City Yorba Linda State CAIndependent Consultant Soil and Water Consulting Date 03/10/2023

Sample Location	GREEN	18			
Sample Identification					
Lab Number		0280-1			
Total Exchange Capacity (ME/100 g)		4.94			
pH (H ₂ O 1:1)	a	8.2			
Organic Matter (360°C LOI) %		0.63			
Estimated Nitrogen Release	lb/A	25			
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	64 14	
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	1550 775		
	MAGNESIUM*	lb/A ppm	176 88		
	POTASSIUM*	lb/A ppm	64 32		
	SODIUM*	lb/A ppm	42 21		
	BASE SATURATION PERCENT				
	Calcium	%	78.44		
	Magnesium	%	14.84		
	Potassium	%	1.66		
	Sodium	%	1.85		
	Other Bases	%	3.20		
	Hydrogen	%	0.00		
EXTRACTABLE MINORS					
	Boron** (ppm)		0.77		
	Iron** (ppm)		73		
	Manganese** (ppm)		17		
	Copper** (ppm)		1.22		
	Zinc** (ppm)		4.02		
	Aluminum** (ppm)		50		
OTHER TESTS	Soluble Salts (mmhos/cm)				
	Chlorides (ppm)				
	NO ₃ -N (ppm)		1.6		
	NH ₄ -N (ppm)		1.4		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable