

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

80046-28

 Name Western Golf Properties City Lake Forest State CA

 Independent Consultant Soil and Water Consulting Date 6/16/2023

Sample Location		CAMARILLO SPRINGS	TEE	TEE	TEE		
Sample Identification			6	11	12		
Lab Number			0495-1	0496-1	0497-1		
Total Exchange Capacity (ME/100 g)			14.05	13.32	21.79		
pH (H ₂ O 1:1)			a 7.9	a 7.9	a 7.8		
Organic Matter (360°C LOI) %			4.02	4.47	4.84		
Estimated Nitrogen Release lb/A			90	95	98		
ANIONS	SOLUBLE SULFUR*	ppm	50	35	54		
	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	536 117	412 90	371 81		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3102 1551	2806 1403	4626 2313		
	MAGNESIUM*	lb/A ppm	1154 577	1158 579	1918 959		
	POTASSIUM*	lb/A ppm	288 144	314 157	516 258		
	SODIUM*	lb/A ppm	290 145	282 141	364 182		
BASE SATURATION PERCENT							
Calcium %			55.20	52.67	53.07		
Magnesium %			34.22	36.22	36.68		
Potassium %			2.63	3.02	3.04		
Sodium %			4.49	4.60	3.63		
Other Bases %			3.50	3.50	3.60		
Hydrogen %			0.00	0.00	0.00		
EXTRACTABLE MINORS							
Boron M3 (ppm)							
Iron** (ppm)			40	49	41		
Manganese** (ppm)			2	2	3		
Copper** (ppm)			1.41	1.91	1.29		
Zinc** (ppm)			9.83	10.19	7.33		
Aluminum (ppm)							
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		21.8	15.8	< 0.5		
	NH ₄ -N (ppm)		1.6	< 0.5	2.9		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** DTPA Extractable

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Sample Location		CAMARILLO SPRINGS	FAIRWAY	FAIRWAY	FAIRWAY		
Sample Identification			6	11	12		
Lab Number			0498-1	0499-1	0500-1		
Total Exchange Capacity (ME/100 g)			26.39	28.60	24.75		
pH (H ₂ O 1:1)			a 7.7	a 7.7	a 7.5		
Organic Matter (360°C LOI) %			11.51	11.30	8.82		
Estimated Nitrogen Release lb/A			126	126	119		
ANIONS	SOLUBLE SULFUR*	ppm	38	89	19		
	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	211 46	179 39	165 36		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	4572 2286	5104 2552	4954 2477		
	MAGNESIUM*	lb/A ppm	2830 1415	3038 1519	2380 1190		
	POTASSIUM*	lb/A ppm	1058 529	934 467	882 441		
	SODIUM*	lb/A ppm	386 193	428 214	160 80		
BASE SATURATION PERCENT							
	Calcium	%	43.31	44.62	50.04		
	Magnesium	%	44.68	44.26	40.07		
	Potassium	%	5.14	4.19	4.57		
	Sodium	%	3.18	3.25	1.41		
	Other Bases	%	3.70	3.70	3.90		
	Hydrogen	%	0.00	0.00	0.00		
EXTRACTABLE MINORS							
	Boron M3 (ppm)						
	Iron** (ppm)		7	12	18		
	Manganese** (ppm)		2	3	3		
	Copper** (ppm)		0.72	0.70	0.91		
	Zinc** (ppm)		3.83	6.37	12.10		
	Aluminum (ppm)						
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		19.1	17.3	5.6		
	NH ₄ -N (ppm)		3.2	8.9	3.0		

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Sample Location <u>CAMARILLO SPRINGS</u>			GREEN	GREEN	GREEN	GREEN	
Sample Identification			6	11	12	18	
Lab Number			0501-1	0502-1	0503-1	0504-1	
Total Exchange Capacity (ME/100 g)			9.04	9.05	8.84	9.16	
pH (H ₂ O 1:1)			a 8.3	a 8.5	a 8.4	a 8.6	
Organic Matter (360°C LOI) %			0.88	1.22	0.92	1.02	
Estimated Nitrogen Release lb/A			35	44	37	40	
ANIONS	SOLUBLE SULFUR* ppm		56	64	59	49	
	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	119 26	60 13	110 24	41 9	
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm		2498 1249	2488 1244	2518 1259	2576 1288	
	MAGNESIUM* lb/A ppm		492 246	482 241	432 216	488 244	
	POTASSIUM* lb/A ppm		70 35	64 32	64 32	64 32	
	SODIUM* lb/A ppm		174 87	220 110	184 92	162 81	
	BASE SATURATION PERCENT						
	Calcium	%	69.08	68.73	71.21	70.31	
	Magnesium	%	22.68	22.19	20.36	22.20	
	Potassium	%	0.99	0.91	0.93	0.90	
	Sodium	%	4.18	5.28	4.52	3.84	
	Other Bases	%	3.10	2.90	3.00	2.80	
	Hydrogen	%	0.00	0.00	0.00	0.00	
EXTRACTABLE MINORS							
Boron M3 (ppm)							
Iron** (ppm)			14	16	17	14	
Manganese** (ppm)			3	3	4	2	
Copper** (ppm)			0.43	0.38	0.37	0.53	
Zinc** (ppm)			6.40	6.67	5.77	4.72	
Aluminum (ppm)							
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		3.0	2.1	1.4	3.0	
	NH ₄ -N (ppm)		< 0.5	0.9	1.1	< 0.5	

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