

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Western Golf Properties City Lake Forest State CA

Independent Consultant Soil and Water Consulting Date 6/25/2021

Sample Location	CAMARILLO	TEE	TEE	TEE	FAIRWAY	FAIRWAY
Sample Identification		7	9	18	7	9
Lab Number		1229-1	1230-1	1231-1	1232-1	1233-1
Total Exchange Capacity (ME/100 g)		17.56	25.85	22.75	46.89	24.33
pH (H ₂ O 1:1)		7.2	^a 7.6	^a 7.6	^a 8.8	^a 8.1
Organic Matter (360°C LOI) %		4.92	6.32	6.03	6.70	9.03
Estimated Nitrogen Release lb/A		99	107	105	108	120
ANIONS	SOLUBLE SULFUR* ppm	135	214	131	947	115
	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	623 136	591 129	527 115	632 138	293 64
EXCHANGEABLE CATIONS	CALCIUM* lb/A	3522	4658	4542	7526	4204
	ppm	1761	2329	2271	3763	2102
	MAGNESIUM* lb/A	1502	2466	1986	5014	2568
	ppm	751	1233	993	2507	1284
	POTASSIUM* lb/A	524	1052	756	1048	842
	ppm	262	526	378	524	421
	SODIUM* lb/A	498	734	590	2124	570
	ppm	249	367	295	1062	285
BASE SATURATION PERCENT						
Calcium %		50.14	45.05	49.91	40.13	43.20
Magnesium %		35.64	39.75	36.37	44.55	43.98
Potassium %		3.83	5.22	4.26	2.87	4.44
Sodium %		6.17	6.17	5.64	9.85	5.09
Other Bases %		4.20	3.80	3.80	2.60	3.30
Hydrogen %		0.00	0.00	0.00	0.00	0.00
EXTRACTABLE MINORS						
Boron** (ppm)		2.25	3.10	2.04	6.18	4.10
Iron** (ppm)		375	344	397	143	79
Manganese** (ppm)		23	29	16	83	66
Copper** (ppm)		3.88	4.72	4.33	4.16	2.29
Zinc** (ppm)		37.80	34.09	40.16	12.95	9.03
Aluminum** (ppm)		184	153	151	135	110
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	32.1	27.1	26.9	12.4	10.0
	NH ₄ -N (ppm)	4.8	1.9	6.9	2.3	4.3

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

80046-16

Name Western Golf Properties City Lake Forest State CAIndependent Consultant Soil and Water Consulting Date 6/25/2021

Sample Location CAMARILLO			FAIRWAY	GREEN	GREEN	GREEN	GREEN
Sample Identification			18	3	7	9	18
Lab Number			1234-1	1235-1	1236-1	1237-1	1238-1
Total Exchange Capacity (ME/100 g)			37.40	11.80	13.17	10.55	10.52
pH (H ₂ O 1:1)			a 8.4	a 8.4	a 8.3	a 8.1	a 8.4
Organic Matter (360°C LOI) %			8.98	1.59	1.19	1.41	1.64
Estimated Nitrogen Release lb/A			120	52	44	48	53
ANIONS	SOLUBLE SULFUR* ppm		386	141	248	155	104
	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	453 99	202 44	211 46	133 29	147 32
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm		6898 3449	3202 1601	3530 1765	2926 1463	2928 1464
	MAGNESIUM* lb/A ppm		3568 1784	650 325	714 357	534 267	574 287
	POTASSIUM* lb/A ppm		1052 526	146 73	144 72	142 71	102 51
	SODIUM* lb/A ppm		1294 647	252 126	358 179	220 110	168 84
	BASE SATURATION PERCENT						
	Calcium	%	46.11	67.84	67.01	69.34	69.58
	Magnesium	%	39.75	22.95	22.59	21.09	22.73
	Potassium	%	3.61	1.59	1.40	1.73	1.24
	Sodium	%	7.52	4.64	5.91	4.53	3.47
	Other Bases	%	3.00	3.00	3.10	3.30	3.00
	Hydrogen	%	0.00	0.00	0.00	0.00	0.00
EXTRACTABLE MINORS							
Boron** (ppm)			4.85	1.03	1.09	0.72	0.62
Iron** (ppm)			79	128	133	97	89
Manganese** (ppm)			39	103	118	72	70
Copper** (ppm)			2.19	0.93	0.99	0.51	0.49
Zinc** (ppm)			8.48	14.57	16.67	9.91	8.84
Aluminum** (ppm)			114	44	17	29	21
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		6.1	4.8	4.4	4.7	5.3
	NH ₄ -N (ppm)		2.3	2.4	2.4	2.9	3.7

a - alkaline soil

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** Mehlich III Extractable