

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

80046-47

Name Western Golf Properties City Lake Forest State CAIndependent Consultant Soil and Water Consulting Date 7/3/2025

Sample Location		CAMARILLO SPRINGS	TEE		TEE		TEE
Sample Identification			2		10		17
Lab Number			0113-1		0114-1		0115-1
Total Exchange Capacity (ME/100 g)			18.41		15.99		16.86
pH (H ₂ O 1:1)			a 7.8		a 7.6		a 8.0
Organic Matter (360°C LOI) %			5.07		5.44		6.47
Estimated Nitrogen Release lb/A			100		102		107
ANIONS	SOLUBLE SULFUR*	ppm	230		126		64
	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	751 164		518 113		673 147
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3066 1533		2644 1322		2880 1440
	MAGNESIUM*	lb/A ppm	1740 870		1624 812		1768 884
	POTASSIUM*	lb/A ppm	770 385		530 265		592 296
	SODIUM*	lb/A ppm	848 424		610 305		440 220
BASE SATURATION PERCENT							
	Calcium	%	41.63		41.34		42.70
	Magnesium	%	39.38		42.32		43.69
	Potassium	%	5.36		4.25		4.50
	Sodium	%	10.01		8.29		5.67
	Other Bases	%	3.60		3.80		3.40
	Hydrogen	%	0.00		0.00		0.00
EXTRACTABLE MINORS							
	Boron** (ppm)		2.40		2.85		2.96
	Iron** (ppm)		359		349		291
	Manganese** (ppm)		24		28		28
	Copper** (ppm)		3.65		3.99		3.99
	Zinc** (ppm)		30.63		33.05		35.67
	Aluminum** (ppm)		209		165		199
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		37.3		36.3		39.1
	NH ₄ -N (ppm)		0.9		1.1		1.1

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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Sample Location		CAMARILLO SPRINGS	FAIRWAY		FAIRWAY		FAIRWAY
Sample Identification			2		10		17
Lab Number			0116-1		0117-1		0118-1
Total Exchange Capacity (ME/100 g)			24.89		24.03		31.54
pH (H ₂ O 1:1)			a 8.0		a 7.7		a 8.1
Organic Matter (360°C LOI) %			11.79		10.31		13.15
Estimated Nitrogen Release lb/A			126		125		127
ANIONS	SOLUBLE SULFUR*	ppm	136		109		263
	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	385 84		289 63		463 101
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	4102 2051		3536 1768		4926 2463
	MAGNESIUM*	lb/A ppm	2586 1293		2762 1381		3536 1768
	POTASSIUM*	lb/A ppm	1042 521		1086 543		1076 538
	SODIUM*	lb/A ppm	770 385		646 323		954 477
BASE SATURATION PERCENT							
Calcium %			41.20		36.79		39.05
Magnesium %			43.29		47.89		46.71
Potassium %			5.37		5.79		4.37
Sodium %			6.73		5.84		6.58
Other Bases %			3.40		3.70		3.30
Hydrogen %			0.00		0.00		0.00
EXTRACTABLE MINORS							
Boron** (ppm)			3.83		3.46		5.55
Iron** (ppm)			49		103		59
Manganese** (ppm)			27		56		40
Copper** (ppm)			1.92		2.24		2.95
Zinc** (ppm)			6.44		10.11		10.41
Aluminum** (ppm)			86		233		140
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		27.7		42.9		20.4
	NH ₄ -N (ppm)		5.0		3.7		8.5

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Sample Location			CAMARILLO SPRINGS	GREEN	GREEN	GREEN	GREEN	
Sample Identification				2	10	17	UPG	
Lab Number				0119-1	0120-1	0121-1	0122-1	
Total Exchange Capacity (ME/100 g)				11.10	10.45	11.80	10.08	
pH (H ₂ O 1:1)				a 8.1	a 8.2	a 8.3	a 7.9	
Organic Matter (360°C LOI) %				1.25	1.14	1.70	1.33	
Estimated Nitrogen Release lb/A				45	43	54	47	
ANIONS	SOLUBLE SULFUR* ppm			127	125	153	174	
	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	92 20	147 32	137 30	124 27		
EXCHANGEABLE CATIONS	CALCIUM*		lb/A ppm	2828 1414	2674 1337	2772 1386	2318 1159	
	MAGNESIUM*		lb/A ppm	688 344	636 318	822 411	682 341	
	POTASSIUM*		lb/A ppm	88 44	86 43	124 62	138 69	
	SODIUM*		lb/A ppm	316 158	310 155	422 211	422 211	
	BASE SATURATION PERCENT							
	Calcium %			63.69	63.97	58.73	57.49	
	Magnesium %			25.83	25.36	29.03	28.19	
	Potassium %			1.02	1.06	1.35	1.76	
Sodium %			6.19	6.45	7.77	9.10		
Other Bases %			3.30	3.20	3.10	3.50		
Hydrogen %			0.00	0.00	0.00	0.00		
EXTRACTABLE MINORS								
Boron** (ppm)				1.28	1.09	1.35	1.13	
Iron** (ppm)				151	168	170	188	
Manganese** (ppm)				172	153	147	173	
Copper** (ppm)				1.20	0.74	0.76	12.99	
Zinc** (ppm)				24.53	17.32	20.19	30.18	
Aluminum** (ppm)				63	49	46	51	
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							
	NO3-N (ppm)			5.1	10.2	8.3	12.8	
	NH4-N (ppm)			< 0.5	0.7	0.6	0.8	

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