

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

80046-43

Name Western Golf Properties City Lake Forest State CAIndependent Consultant Soil and Water Consulting Date 6/18/2025

Sample Location			REVERE	GC	CONCORD	CONCORD	CONCORD	CONCORD	CONCORD
Sample Identification					TEE 4	TEE 12	TEE 18	FWAY 4	FWAY 12
Lab Number					1344-1	1345-1	1346-1	1347-1	1348-1
Total Exchange Capacity (ME/100 g)					12.75	14.32	13.24	53.77	22.94
pH (H ₂ O 1:1)					a 7.6	a 8.5	a 7.9	a 7.8	a 8.0
Organic Matter (360°C LOI) %					3.53	3.55	2.64	4.76	7.33
Estimated Nitrogen Release lb/A					85	86	73	98	112
ANIONS	SOLUBLE SULFUR* ppm				146	165	77	7014	432
	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	156 34	128 28	50 11	160 35	197 43
EXCHANGEABLE CATIONS	CALCIUM*		lb/A		2914	3114	3196	17566	4890
			ppm		1457	1557	1598	8783	2445
	MAGNESIUM*		lb/A		470	566	512	622	858
			ppm		235	283	256	311	429
	POTASSIUM*		lb/A		604	724	514	1084	1786
			ppm		302	362	257	542	893
	SODIUM*		lb/A		1034	1304	916	1810	1874
			ppm		517	652	458	905	937
BASE SATURATION PERCENT									
Calcium %					57.14	54.36	60.35	81.67	53.29
Magnesium %					15.36	16.47	16.11	4.82	15.58
Potassium %					6.07	6.48	4.98	2.58	9.98
Sodium %					17.63	19.80	15.04	7.32	17.76
Other Bases %					3.80	2.90	3.50	3.60	3.40
Hydrogen %					0.00	0.00	0.00	0.00	0.00
EXTRACTABLE MINORS									
Boron** (ppm)					1.64	1.85	1.07	2.03	3.18
Iron** (ppm)					219	191	69	36	57
Manganese** (ppm)					21	21	23	13	21
Copper** (ppm)					3.82	3.68	1.28	1.29	1.65
Zinc** (ppm)					18.95	22.32	7.77	9.85	18.15
Aluminum** (ppm)					146	97	85	8	9
OTHER TESTS	Soluble Salts (mmhos/cm)								
	Chlorides (ppm)								
	NO3-N (ppm)				24.9	17.8	7.2	24.9	32.1
	NH4-N (ppm)				0.8	1.2	4.1	0.9	14.3

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

lb/A

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Sample Location				REVERE	GC	CONCORD	CONCORD	CONCORD	CONCORD	CONCORD
Sample Identification						FWAY 18	GREEN 4	GRRN 12	GREEN 18	GREEN DR
Lab Number						1349-1	1350-1	1351-1	1352-1	1353-1
Total Exchange Capacity (ME/100 g)						28.61	11.34	11.27	10.71	9.95
pH (H ₂ O 1:1)						a 7.7	a 8.6	a 8.3	a 8.2	a 8.2
Organic Matter (360°C LOI) %						4.15	1.47	1.51	1.74	1.59
Estimated Nitrogen Release lb/A						92	49	50	55	52
ANIONS	SOLUBLE SULFUR* ppm					2322	142	169	80	58
	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	192 42	133 29	60 13	64 14	82 18
EXCHANGEABLE CATIONS	CALCIUM*		lb/A		8272	2628	2568	2608	2544	
			ppm		4136	1314	1284	1304	1272	
	MAGNESIUM*		lb/A		598	326	336	284	294	
			ppm		299	163	168	142	147	
	POTASSIUM*		lb/A		1390	1114	1118	1030	816	
			ppm		695	557	559	515	408	
	SODIUM*		lb/A		1194	766	768	620	460	
			ppm		597	383	384	310	230	
BASE SATURATION PERCENT										
Calcium %						72.28	57.94	56.97	60.88	63.92
Magnesium %						8.71	11.98	12.42	11.05	12.31
Potassium %						6.23	12.59	12.72	12.33	10.51
Sodium %						9.07	14.68	14.81	12.58	10.05
Other Bases %						3.70	2.80	3.10	3.20	3.20
Hydrogen %						0.00	0.00	0.00	0.00	0.00
EXTRACTABLE MINORS										
Boron** (ppm)						1.74	1.13	0.85	0.71	0.84
Iron** (ppm)						60	95	100	125	93
Manganese** (ppm)						18	62	69	77	52
Copper** (ppm)						1.29	1.45	1.29	1.44	1.54
Zinc** (ppm)						9.21	17.20	19.66	19.56	19.99
Aluminum** (ppm)						10	36	25	63	37
OTHER TESTS	Soluble Salts (mmhos/cm)									
	Chlorides (ppm)									
	NO3-N (ppm)					22.6	2.1	4.8	2.1	2.1
	NH4-N (ppm)					0.6	4.7	9.1	2.2	7.8

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable