

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

80046-39

Name Western Golf Properties City Lake Forest State CAIndependent Consultant Soil and Water Consulting Date 8/9/2024

Sample Location			REVERE GC	CONCORD	CONCORD			
Sample Identification				GREEN 2	GREEN 18			
Lab Number				0103-1	0104-1			
Total Exchange Capacity (ME/100 g)				10.29	8.45			
pH (H ₂ O 1:1)				a 7.9	a 7.8			
Organic Matter (360°C LOI) %				2.21	2.21			
Estimated Nitrogen Release lb/A				64	64			
ANIONS	SOLUBLE SULFUR* ppm			87	75			
	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	224 49	147 32				
EXCHANGEABLE CATIONS	CALCIUM* lb/A		2526	2108				
	ppm		1263	1054				
	MAGNESIUM* lb/A		344	278				
	ppm		172	139				
	POTASSIUM* lb/A		846	650				
	ppm		423	325				
	SODIUM* lb/A		504	406				
	ppm		252	203				
BASE SATURATION PERCENT								
Calcium %				61.37	62.37			
Magnesium %				13.93	13.71			
Potassium %				10.54	9.86			
Sodium %				10.65	10.45			
Other Bases %				3.50	3.60			
Hydrogen %				0.00	0.00			
EXTRACTABLE MINORS								
Boron** (ppm)				1.37	1.28			
Iron** (ppm)				128	144			
Manganese** (ppm)				79	68			
Copper** (ppm)				2.22	2.36			
Zinc** (ppm)				31.98	27.38			
Aluminum** (ppm)				52	30			
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							
	NO3-N (ppm)			8.4	11.8			
	NH4-N (ppm)			25.0	20.3			

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

lb/A

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Sample Location			REVERE GC	LEXINGTO				
Sample Identification				GREEN 13				
Lab Number				0105-1				
Total Exchange Capacity (ME/100 g)				9.76				
pH (H ₂ O 1:1)				a 8.0				
Organic Matter (360°C LOI) %				2.54				
Estimated Nitrogen Release			lb/A	71				
ANIONS	SOLUBLE SULFUR* ppm			102				
	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	215 47				
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	2402				
			ppm	1201				
	MAGNESIUM*		lb/A	328				
			ppm	164				
	POTASSIUM*		lb/A	824				
			ppm	412				
	SODIUM*		lb/A	462				
			ppm	231				
BASE SATURATION PERCENT								
Calcium %				61.53				
Magnesium %				14.00				
Potassium %				10.82				
Sodium %				10.29				
Other Bases %				3.40				
Hydrogen %				0.00				
EXTRACTABLE MINORS								
Boron** (ppm)				1.77				
Iron** (ppm)				121				
Manganese** (ppm)				93				
Copper** (ppm)				1.80				
Zinc** (ppm)				38.51				
Aluminum** (ppm)				44				
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							
	NO3-N (ppm)			8.2				
	NH4-N (ppm)			11.5				

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** Mehlich III Extractable