

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

80417-6

Name Los Robles Greens Golf Course City _____ State _____Independent Consultant Soil and Water Consulting Date 3/25/2021

Sample Location FAIRWAY			12	13			
Sample Identification							
Lab Number			0131-1	0132-1			
Total Exchange Capacity (ME/100 g)			21.46	29.05			
pH (H ₂ O 1:1)			7.2	^a 7.4			
Organic Matter (360°C LOI) %			8.08	7.36			
Estimated Nitrogen Release lb/A			115	112			
ANIONS	SOLUBLE SULFUR* ppm		34	175			
	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	174 38	69 15			
EXCHANGEABLE CATIONS	CALCIUM*		4974 2487	6662 3331			
	MAGNESIUM*		1348 674	2220 1110			
	POTASSIUM*		1424 712	646 323			
	SODIUM*		314 157	530 265			
	BASE SATURATION PERCENT						
	Calcium	%	57.95	57.33			
	Magnesium	%	26.17	31.84			
	Potassium	%	8.51	2.85			
	Sodium	%	3.18	3.97			
	Other Bases	%	4.20	4.00			
	Hydrogen	%	0.00	0.00			
EXTRACTABLE MINORS							
Boron** (ppm)			1.99	2.22			
Iron** (ppm)			328	160			
Manganese** (ppm)			71	91			
Copper** (ppm)			3.03	4.13			
Zinc** (ppm)			9.15	6.34			
Aluminum** (ppm)			220	234			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		28.5	13.6			
	NH ₄ -N (ppm)		8.1	8.3			

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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Sample Location	GREEN	8	11	12	13	
Sample Identification						
Lab Number		0133-1	0134-1	0135-1	0136-1	
Total Exchange Capacity (ME/100 g)		5.35	5.46	5.21	5.20	
pH (H ₂ O 1:1)		a 7.8	a 7.8	a 7.8	a 7.5	
Organic Matter (360°C LOI) %		1.09	1.16	1.11	1.40	
Estimated Nitrogen Release lb/A		42	43	42	48	
ANIONS	SOLUBLE SULFUR*	ppm	20	21	16	18
	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	160 35	82 18	60 13	55 12
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	1598	1588	1516	1446
		ppm	799	794	758	723
	MAGNESIUM*	lb/A	180	208	200	214
		ppm	90	104	100	107
	POTASSIUM*	lb/A	188	182	166	226
		ppm	94	91	83	113
	SODIUM*	lb/A	78	90	84	94
		ppm	39	45	42	47
BASE SATURATION PERCENT						
	Calcium	%	74.67	72.71	72.74	69.52
	Magnesium	%	14.02	15.87	15.99	17.15
	Potassium	%	4.51	4.27	4.08	5.57
	Sodium	%	3.17	3.58	3.50	3.93
	Other Bases	%	3.60	3.60	3.60	3.90
	Hydrogen	%	0.00	0.00	0.00	0.00
EXTRACTABLE MINORS						
	Boron** (ppm)		0.71	0.72	0.74	0.70
	Iron** (ppm)		101	117	91	96
	Manganese** (ppm)		67	52	49	58
	Copper** (ppm)		0.67	0.59	0.60	0.68
	Zinc** (ppm)		8.45	7.46	8.27	7.38
	Aluminum** (ppm)		66	71	68	69
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		< 0.5	1.1	1.1	1.1
	NH ₄ -N (ppm)		1.7	1.8	1.6	2.0

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable