

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Los Robles Greens Golf Course City _____ State _____

Independent Consultant Soil and Water Consulting Date 9/19/2018

Sample Location FAIRWAY		14				
Sample Identification						
Lab Number		0364-1				
Total Exchange Capacity (ME/100 g)		20.73				
pH (H ₂ O 1:1)		7.3				
Organic Matter (360°C LOI) %		8.74				
Estimated Nitrogen Release lb/A		119				
ANIONS	SOLUBLE SULFUR* ppm	93				
	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	128 28				
EXCHANGEABLE CATIONS	CALCIUM* lb/A	4776				
		ppm	2388			
	MAGNESIUM* lb/A	1346				
		ppm	673			
	POTASSIUM* lb/A	938				
		ppm	469			
	SODIUM* lb/A	518				
		ppm	259			
BASE SATURATION PERCENT						
Calcium %		57.60				
Magnesium %		27.05				
Potassium %		5.80				
Sodium %		5.43				
Other Bases %		4.10				
Hydrogen %		0.00				
EXTRACTABLE MINORS						
Boron** (ppm)		1.55				
Iron** (ppm)		205				
Manganese** (ppm)		73				
Copper** (ppm)		3.03				
Zinc** (ppm)		7.59				
Aluminum** (ppm)		206				
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	29.1				
	NH ₄ -N (ppm)	4.3				

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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SOIL AUDIT AND INVENTORY REPORT

Name Los Robles Greens Golf Course City _____ State _____

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Sample Location <u>GREEN</u>		1	5	18		
Sample Identification						
Lab Number		0365-1	0366-1	0367-1		
Total Exchange Capacity (ME/100 g)		6.20	4.19	6.20		
pH (H ₂ O 1:1)		a 7.8	a 7.4	a 7.7		
Organic Matter (360°C LOI) %		1.28	1.02	0.99		
Estimated Nitrogen Release lb/A		46	40	40		
ANIONS	SOLUBLE SULFUR* ppm	24	13	28		
	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	55 12	32 7	32 7		
EXCHANGEABLE CATIONS	CALCIUM* lb/A	1774	1148	1670		
	ppm	887	574	835		
	MAGNESIUM* lb/A	238	186	270		
	ppm	119	93	135		
	POTASSIUM* lb/A	218	158	286		
	ppm	109	79	143		
	SODIUM* lb/A	126	82	140		
	ppm	63	41	70		
BASE SATURATION PERCENT						
Calcium %		71.53	68.50	67.34		
Magnesium %		15.99	18.50	18.15		
Potassium %		4.51	4.83	5.91		
Sodium %		4.42	4.25	4.91		
Other Bases %		3.60	4.00	3.70		
Hydrogen %		0.00	0.00	0.00		
EXTRACTABLE MINORS						
Boron** (ppm)		< 0.20	< 0.20	< 0.20		
Iron** (ppm)		72	70	73		
Manganese** (ppm)		31	32	32		
Copper** (ppm)		0.62	0.51	0.78		
Zinc** (ppm)		7.52	7.21	7.71		
Aluminum** (ppm)		57	66	65		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	4.8	3.8	4.2		
	NH ₄ -N (ppm)	2.9	2.5	4.0		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable