

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Revere Golf Club City Henderson State NV

Independent Consultant Soil and Water Consulting Date 3/30/2016

Sample Location		LEXINGTON COURSE	FAIRWAY	GREEN	
Sample Identification			14	14	
Lab Number			0728-1	0729-1	
Total Exchange Capacity (ME/100 g)			24.44	12.73	
pH (H ₂ O 1:1)			a 7.6	a 7.8	
Organic Matter (humus) %			3.79	1.77	
Estimated Nitrogen Release lb/A			88	55	
ANIONS	SOLUBLE SULFUR*	ppm	604	81	
	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				
EXCHANGEABLE CATIONS	OLSEN lb/A P as P ₂ O ₅ ppm of P		174 38	37 8	
	CALCIUM*	lb/A ppm	6854 3427	3100 1550	
	MAGNESIUM*	lb/A ppm	642 321	246 123	
	POTASSIUM*	lb/A ppm	1034 517	1452 726	
	SODIUM*	lb/A ppm	1094 547	754 377	
BASE SATURATION PERCENT					
	Calcium %		70.11	60.88	
	Magnesium %		10.95	8.05	
	Potassium %		5.42	14.62	
	Sodium %		9.73	12.88	
	Other Bases %		3.80	3.60	
	Hydrogen %		0.00	0.00	
EXTRACTABLE MINORS					
	Boron M3 (ppm)				
	Iron** (ppm)		53	10	
	Manganese** (ppm)		5	2	
	Copper** (ppm)		1.70	0.53	
	Zinc** (ppm)		5.63	10.32	
	Aluminum (ppm)				
OTHER TESTS	Soluble Salts (mmhos/cm)				
	Chlorides (ppm)				

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** DTPA Extractable

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Sample Location		LEXINGTON COURSE	TEE				
Sample Identification			14				
Lab Number			0730-1				
Total Exchange Capacity (ME/100 g)			18.36				
pH (H ₂ O 1:1)			a 7.9				
Organic Matter (humus) %			3.34				
Estimated Nitrogen Release lb/A			83				
ANIONS	SOLUBLE SULFUR* ppm		104				
	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	82 18				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	5332 2666				
	MAGNESIUM*	lb/A ppm	474 237				
	POTASSIUM*	lb/A ppm	728 364				
	SODIUM*	lb/A ppm	682 341				
BASE SATURATION PERCENT							
	Calcium %		72.60				
	Magnesium %		10.76				
	Potassium %		5.08				
	Sodium %		8.08				
	Other Bases %		3.50				
	Hydrogen %		0.00				
EXTRACTABLE MINORS							
	Boron M3 (ppm)						
	Iron** (ppm)		50				
	Manganese** (ppm)		3				
	Copper** (ppm)		1.53				
	Zinc** (ppm)		7.32				
	Aluminum (ppm)						
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						

a - alkaline soil

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** DTPA Extractable