

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Coyote Springs Golf Club City Coyote Springs State NV

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

Sample Location <u>FAIRWAY</u>		5				
Sample Identification						
Lab Number		0251-1				
Total Exchange Capacity (ME/100 g)		16.15				
pH (H ₂ O 1:1)		a 9.1				
Organic Matter (humus) %		0.33				
Estimated Nitrogen Release lb/A		13				
ANIONS	SOLUBLE SULFUR* ppm	37				
	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	73 16				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	4420 2210				
	MAGNESIUM* lb/A ppm	662 331				
	POTASSIUM* lb/A ppm	992 496				
	SODIUM* lb/A ppm	320 160				
BASE SATURATION PERCENT						
Calcium	%	68.42				
Magnesium	%	17.08				
Potassium	%	7.87				
Sodium	%	4.31				
Other Bases	%	2.30				
Hydrogen	%	0.00				
EXTRACTABLE MINORS						
Boron M3 (ppm)						
Iron** (ppm)		2				
Manganese** (ppm)		< 1				
Copper** (ppm)		< 0.2				
Zinc** (ppm)		0.90				
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		GREEN	5				
Sample Identification							
Lab Number			0252-1				
Total Exchange Capacity (ME/100 g)			10.71				
pH (H ₂ O 1:1)			a 8.8				
Organic Matter (humus) %			0.27				
Estimated Nitrogen Release lb/A			11				
ANIONS	SOLUBLE SULFUR* ppm		25				
	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	87 19				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3228 1614				
	MAGNESIUM*	lb/A ppm	320 160				
	POTASSIUM*	lb/A ppm	466 233				
	SODIUM*	lb/A ppm	196 98				
BASE SATURATION PERCENT							
Calcium %			75.35				
Magnesium %			12.45				
Potassium %			5.58				
Sodium %			3.98				
Other Bases %			2.60				
Hydrogen %			0.00				
EXTRACTABLE MINORS							
Boron M3 (ppm)							
Iron** (ppm)			4				
Manganese** (ppm)			1				
Copper** (ppm)			0.74				
Zinc** (ppm)			2.03				
Aluminum (ppm)							
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						

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Sample Location		TEE	5				
Sample Identification							
Lab Number			0253-1				
Total Exchange Capacity (ME/100 g)			15.66				
pH (H ₂ O 1:1)			a 8.9				
Organic Matter (humus) %			0.43				
Estimated Nitrogen Release lb/A			17				
ANIONS	SOLUBLE SULFUR* ppm		19				
	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	37 8				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	4512				
		ppm	2256				
	MAGNESIUM*	lb/A	586				
		ppm	293				
	POTASSIUM*	lb/A	782				
	ppm	391					
	SODIUM*	lb/A	252				
	ppm	126					
BASE SATURATION PERCENT							
	Calcium	%	72.03				
	Magnesium	%	15.59				
	Potassium	%	6.40				
	Sodium	%	3.50				
	Other Bases	%	2.50				
	Hydrogen	%	0.00				
EXTRACTABLE MINORS							
	Boron M3 (ppm)						
	Iron** (ppm)		1				
	Manganese** (ppm)		< 1				
	Copper** (ppm)		0.31				
	Zinc** (ppm)		0.44				
	Aluminum (ppm)						
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						

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