

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 7/5/2017

Sample Location		TEE	4				
Sample Identification							
Lab Number			0034-1				
Total Exchange Capacity (ME/100 g)			16.85				
pH (H ₂ O 1:1)			a 8.4				
Organic Matter (360°C LOI) %			0.98				
Estimated Nitrogen Release lb/A			39				
ANIONS	SOLUBLE SULFUR* ppm		87				
	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	110 24				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	4746 2373				
	MAGNESIUM*	lb/A ppm	590 295				
	POTASSIUM*	lb/A ppm	794 397				
	SODIUM*	lb/A ppm	460 230				
BASE SATURATION PERCENT							
Calcium %			70.42				
Magnesium %			14.59				
Potassium %			6.04				
Sodium %			5.93				
Other Bases %			3.00				
Hydrogen %			0.00				
EXTRACTABLE MINORS							
Boron M3 (ppm)							
Iron** (ppm)			5				
Manganese** (ppm)			1				
Copper** (ppm)			0.71				
Zinc** (ppm)			1.45				
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 <u>FAIRWAY</u>		4				
Sample Identification						
Lab Number		0035-1				
Total Exchange Capacity (ME/100 g)		17.52				
pH (H ₂ O 1:1)		a 9.0				
Organic Matter (360°C LOI) %		1.06				
Estimated Nitrogen Release lb/A		41				
ANIONS	SOLUBLE SULFUR* ppm	65				
	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	206 45				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	4768 2384				
	MAGNESIUM* lb/A ppm	714 357				
	POTASSIUM* lb/A ppm	856 428				
	SODIUM* lb/A ppm	508 254				
BASE SATURATION PERCENT						
Calcium %		68.04				
Magnesium %		16.98				
Potassium %		6.26				
Sodium %		6.30				
Other Bases %		2.40				
Hydrogen %		0.00				
EXTRACTABLE MINORS						
Boron M3 (ppm)						
Iron** (ppm)		3				
Manganese** (ppm)		1				
Copper** (ppm)		0.26				
Zinc** (ppm)		0.81				
Aluminum (ppm)						
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

a - alkaline soil

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Sample Location <u>GREEN</u>		4				
Sample Identification						
Lab Number		0036-1				
Total Exchange Capacity (ME/100 g)		11.32				
pH (H ₂ O 1:1)		a 8.9				
Organic Matter (360°C LOI) %		0.88				
Estimated Nitrogen Release lb/A		35				
ANIONS	SOLUBLE SULFUR* ppm	44				
	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	115 25				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	3416 1708				
	MAGNESIUM* lb/A ppm	348 174				
	POTASSIUM* lb/A ppm	376 188				
	SODIUM* lb/A ppm	258 129				
BASE SATURATION PERCENT						
Calcium %		75.44				
Magnesium %		12.81				
Potassium %		4.26				
Sodium %		4.95				
Other Bases %		2.50				
Hydrogen %		0.00				
EXTRACTABLE MINORS						
Boron M3 (ppm)						
Iron** (ppm)		5				
Manganese** (ppm)		3				
Copper** (ppm)		0.83				
Zinc** (ppm)		3.03				
Aluminum (ppm)						
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

a - alkaline soil

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** DTPA Extractable