

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 3/29/2017

Sample Location		TEE	1				
Sample Identification							
Lab Number			0546-1				
Total Exchange Capacity (ME/100 g)			15.35				
pH (H ₂ O 1:1)			a 8.6				
Organic Matter (360°C LOI) %			1.02				
Estimated Nitrogen Release lb/A			40				
ANIONS	SOLUBLE SULFUR* ppm		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	69 15				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	4488 2244				
	MAGNESIUM*	lb/A ppm	588 294				
	POTASSIUM*	lb/A ppm	572 286				
	SODIUM*	lb/A ppm	236 118				
	BASE SATURATION PERCENT						
	Calcium %		73.09				
	Magnesium %		15.96				
	Potassium %		4.78				
	Sodium %		3.34				
	Other Bases %		2.80				
	Hydrogen %		0.00				
EXTRACTABLE MINORS							
	Boron M3 (ppm)						
	Iron** (ppm)		2				
	Manganese** (ppm)		< 1				
	Copper** (ppm)		0.24				
	Zinc** (ppm)		0.53				
	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>		1				
Sample Identification						
Lab Number		0547-1				
Total Exchange Capacity (ME/100 g)		14.68				
pH (H ₂ O 1:1)		a 9.0				
Organic Matter (360°C LOI) %		0.93				
Estimated Nitrogen Release lb/A		37				
ANIONS	SOLUBLE SULFUR* ppm	29				
	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	4152 2076				
	MAGNESIUM* lb/A ppm	624 312				
	POTASSIUM* lb/A ppm	658 329				
	SODIUM* lb/A ppm	232 116				
	BASE SATURATION PERCENT					
	Calcium %	70.71				
	Magnesium %	17.71				
	Potassium %	5.75				
	Sodium %	3.44				
	Other Bases %	2.40				
	Hydrogen %	0.00				
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	2				
	Manganese** (ppm)	< 1				
	Copper** (ppm)	< 0.2				
	Zinc** (ppm)	0.53				
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

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** DTPA Extractable

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Sample Location		GREEN	1				
Sample Identification							
Lab Number			0548-1				
Total Exchange Capacity (ME/100 g)			9.74				
pH (H ₂ O 1:1)			a 8.7				
Organic Matter (360°C LOI) %			0.59				
Estimated Nitrogen Release lb/A			24				
ANIONS	SOLUBLE SULFUR* ppm		22				
	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	46 10				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3044 1522				
	MAGNESIUM*	lb/A ppm	294 147				
	POTASSIUM*	lb/A ppm	262 131				
	SODIUM*	lb/A ppm	142 71				
BASE SATURATION PERCENT							
Calcium %			78.13				
Magnesium %			12.58				
Potassium %			3.45				
Sodium %			3.17				
Other Bases %			2.70				
Hydrogen %			0.00				
EXTRACTABLE MINORS							
Boron M3 (ppm)							
Iron** (ppm)			5				
Manganese** (ppm)			2				
Copper** (ppm)			0.90				
Zinc** (ppm)			2.68				
Aluminum (ppm)							
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						

a - alkaline soil

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** DTPA Extractable