

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Las Vegas Country Club City Las Vegas State NV

Independent Consultant Soil and Water Consulting Date 3/29/2017

Sample Location		TEE	1				
Sample Identification							
Lab Number			0744-1				
Total Exchange Capacity (ME/100 g)			15.23				
pH (H ₂ O 1:1)			a 8.0				
Organic Matter (360°C LOI) %			1.41				
Estimated Nitrogen Release lb/A			48				
ANIONS	SOLUBLE SULFUR* ppm		80				
	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				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	4188 2094				
	MAGNESIUM*	lb/A ppm	648 324				
	POTASSIUM*	lb/A ppm	880 440				
	SODIUM*	lb/A ppm	192 96				
	BASE SATURATION PERCENT						
	Calcium %		68.75				
	Magnesium %		17.73				
	Potassium %		7.41				
	Sodium %		2.74				
	Other Bases %		3.40				
	Hydrogen %		0.00				
EXTRACTABLE MINORS							
	Boron M3 (ppm)						
	Iron** (ppm)		13				
	Manganese** (ppm)		2				
	Copper** (ppm)		0.81				
	Zinc** (ppm)		2.66				
	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		0745-1				
Total Exchange Capacity (ME/100 g)		64.80				
pH (H ₂ O 1:1)		a 7.8				
Organic Matter (360°C LOI) %		5.06				
Estimated Nitrogen Release lb/A		100				
ANIONS	SOLUBLE SULFUR* ppm	8376				
	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	156 34				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	22882 11441				
	MAGNESIUM* lb/A ppm	1020 510				
	POTASSIUM* lb/A ppm	488 244				
	SODIUM* lb/A ppm	176 88				
BASE SATURATION PERCENT						
	Calcium %	88.28				
	Magnesium %	6.56				
	Potassium %	0.97				
	Sodium %	0.59				
	Other Bases %	3.60				
	Hydrogen %	0.00				
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	12				
	Manganese** (ppm)	2				
	Copper** (ppm)	1.22				
	Zinc** (ppm)	6.76				
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

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Sample Location <u>GREEN</u>		1				
Sample Identification						
Lab Number		0746-1				
Total Exchange Capacity (ME/100 g)		10.88				
pH (H ₂ O 1:1)		a 8.3				
Organic Matter (360°C LOI) %		1.00				
Estimated Nitrogen Release lb/A		40				
ANIONS	SOLUBLE SULFUR* ppm	126				
	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	284 62				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	3446 1723				
	MAGNESIUM* lb/A ppm	390 195				
	POTASSIUM* lb/A ppm	120 60				
	SODIUM* lb/A ppm	70 35				
	BASE SATURATION PERCENT					
	Calcium %	79.18				
	Magnesium %	14.94				
	Potassium %	1.41				
	Sodium %	1.40				
	Other Bases %	3.10				
	Hydrogen %	0.00				
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	8				
	Manganese** (ppm)	2				
	Copper** (ppm)	1.66				
	Zinc** (ppm)	4.53				
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

a - alkaline soil

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** DTPA Extractable