

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 6/30/2017

Sample Location		TEE	4				
Sample Identification							
Lab Number			0576-1				
Total Exchange Capacity (ME/100 g)			17.76				
pH (H ₂ O 1:1)			a 8.1				
Organic Matter (360°C LOI) %			1.20				
Estimated Nitrogen Release lb/A			44				
ANIONS	SOLUBLE SULFUR* ppm		268				
	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	41 9				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	5582 2791				
	MAGNESIUM*	lb/A ppm	634 317				
	POTASSIUM*	lb/A ppm	274 137				
	SODIUM*	lb/A ppm	104 52				
BASE SATURATION PERCENT							
	Calcium %		78.58				
	Magnesium %		14.87				
	Potassium %		1.98				
	Sodium %		1.27				
	Other Bases %		3.30				
	Hydrogen %		0.00				
EXTRACTABLE MINORS							
	Boron M3 (ppm)						
	Iron** (ppm)		14				
	Manganese** (ppm)		2				
	Copper** (ppm)		0.89				
	Zinc** (ppm)		2.39				
	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		0577-1				
Total Exchange Capacity (ME/100 g)		42.65				
pH (H ₂ O 1:1)		a 7.8				
Organic Matter (360°C LOI) %		5.13				
Estimated Nitrogen Release lb/A		101				
ANIONS	SOLUBLE SULFUR* ppm	3557				
	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	220 48				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	13456 6728				
	MAGNESIUM* lb/A ppm	1430 715				
	POTASSIUM* lb/A ppm	764 382				
	SODIUM* lb/A ppm	248 124				
BASE SATURATION PERCENT						
	Calcium %	78.87				
	Magnesium %	13.97				
	Potassium %	2.30				
	Sodium %	1.26				
	Other Bases %	3.60				
	Hydrogen %	0.00				
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	10				
	Manganese** (ppm)	1				
	Copper** (ppm)	1.05				
	Zinc** (ppm)	9.14				
	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		0578-1				
Total Exchange Capacity (ME/100 g)		11.55				
pH (H ₂ O 1:1)		a 8.6				
Organic Matter (360°C LOI) %		0.82				
Estimated Nitrogen Release lb/A		33				
ANIONS	SOLUBLE SULFUR* ppm	139				
	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	243 53				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	3610 1805				
	MAGNESIUM* lb/A ppm	412 206				
	POTASSIUM* lb/A ppm	244 122				
	SODIUM* lb/A ppm	80 40				
	BASE SATURATION PERCENT					
	Calcium %	78.14				
	Magnesium %	14.86				
	Potassium %	2.71				
	Sodium %	1.51				
	Other Bases %	2.80				
	Hydrogen %	0.00				
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	5				
	Manganese** (ppm)	1				
	Copper** (ppm)	0.71				
	Zinc** (ppm)	3.56				
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

a - alkaline soil

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** DTPA Extractable