

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name The Summit City Las Vegas State NV

Independent Consultant Soil and Water Consulting Date 7/5/2017

Sample Location		TEE	4				
Sample Identification							
Lab Number			0371-1				
Total Exchange Capacity (ME/100 g)			4.90				
pH (H ₂ O 1:1)		a	7.5				
Organic Matter (360°C LOI) %			0.20				
Estimated Nitrogen Release lb/A			8				
ANIONS	SOLUBLE SULFUR* ppm		75				
	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	78 17				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	1394 697				
	MAGNESIUM*	lb/A ppm	154 77				
	POTASSIUM*	lb/A ppm	168 84				
	SODIUM*	lb/A ppm	168 84				
	BASE SATURATION PERCENT						
	Calcium %		71.12				
	Magnesium %		13.10				
	Potassium %		4.40				
	Sodium %		7.45				
	Other Bases %		3.90				
	Hydrogen %		0.00				
EXTRACTABLE MINORS							
	Boron M3 (ppm)						
	Iron** (ppm)		5				
	Manganese** (ppm)		< 1				
	Copper** (ppm)		0.25				
	Zinc** (ppm)		0.99				
	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		0372-1				
Total Exchange Capacity (ME/100 g)		7.03				
pH (H ₂ O 1:1)		a 8.3				
Organic Matter (360°C LOI) %		0.24				
Estimated Nitrogen Release lb/A		10				
ANIONS	SOLUBLE SULFUR* ppm	202				
	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	2004 1002				
	MAGNESIUM* lb/A ppm	188 94				
	POTASSIUM* lb/A ppm	228 114				
	SODIUM* lb/A ppm	332 166				
BASE SATURATION PERCENT						
	Calcium %	71.27				
	Magnesium %	11.14				
	Potassium %	4.16				
	Sodium %	10.27				
	Other Bases %	3.10				
	Hydrogen %	0.00				
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	3				
	Manganese** (ppm)	< 1				
	Copper** (ppm)	< 0.2				
	Zinc** (ppm)	< 0.4				
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

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Sample Location <u>GREEN</u>		4				
Sample Identification						
Lab Number		0373-1				
Total Exchange Capacity (ME/100 g)		7.05				
pH (H ₂ O 1:1)		a 8.2				
Organic Matter (360°C LOI) %		0.49				
Estimated Nitrogen Release lb/A		20				
ANIONS	SOLUBLE SULFUR* ppm	107				
	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	14 3				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	2006 1003				
	MAGNESIUM* lb/A ppm	208 104				
	POTASSIUM* lb/A ppm	170 85				
	SODIUM* lb/A ppm	334 167				
BASE SATURATION PERCENT						
	Calcium %	71.13				
	Magnesium %	12.29				
	Potassium %	3.09				
	Sodium %	10.30				
	Other Bases %	3.20				
	Hydrogen %	0.00				
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	5				
	Manganese** (ppm)	2				
	Copper** (ppm)	< 0.2				
	Zinc** (ppm)	< 0.4				
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

a - alkaline soil

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** DTPA Extractable