

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name The Summit City Las Vegas State NV

Independent Consultant Soil and Water Consulting Date 9/27/2017

Sample Location		TEE	8				
Sample Identification							
Lab Number			0345-1				
Total Exchange Capacity (ME/100 g)			8.22				
pH (H ₂ O 1:1)		a	7.9				
Organic Matter (360°C LOI) %			0.25				
Estimated Nitrogen Release lb/A			10				
ANIONS	SOLUBLE SULFUR* ppm		90				
	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				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	2718				
		ppm	1359				
	MAGNESIUM*	lb/A	146				
		ppm	73				
	POTASSIUM*	lb/A	166				
	ppm	83					
	SODIUM*	lb/A	146				
	ppm	73					
BASE SATURATION PERCENT							
	Calcium	%	82.66				
	Magnesium	%	7.40				
	Potassium	%	2.59				
	Sodium	%	3.86				
	Other Bases	%	3.50				
	Hydrogen	%	0.00				
EXTRACTABLE MINORS							
	Boron M3 (ppm)						
	Iron** (ppm)		3				
	Manganese** (ppm)		1				
	Copper** (ppm)		0.69				
	Zinc** (ppm)		0.67				
	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>		8				
Sample Identification						
Lab Number		0346-1				
Total Exchange Capacity (ME/100 g)		7.19				
pH (H ₂ O 1:1)		a 8.1				
Organic Matter (360°C LOI) %		0.29				
Estimated Nitrogen Release lb/A		12				
ANIONS	SOLUBLE SULFUR* ppm	90				
	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	73 16				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	2280 1140				
	MAGNESIUM* lb/A ppm	154 77				
	POTASSIUM* lb/A ppm	160 80				
	SODIUM* lb/A ppm	186 93				
	BASE SATURATION PERCENT					
	Calcium %	79.28				
	Magnesium %	8.92				
	Potassium %	2.85				
	Sodium %	5.62				
	Other Bases %	3.30				
	Hydrogen %	0.00				
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	7				
	Manganese** (ppm)	< 1				
	Copper** (ppm)	0.75				
	Zinc** (ppm)	1.51				
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

a - alkaline soil

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Sample Location <u>GREEN</u>		8				
Sample Identification						
Lab Number		0347-1				
Total Exchange Capacity (ME/100 g)		6.27				
pH (H ₂ O 1:1)		a 8.6				
Organic Matter (360°C LOI) %		0.72				
Estimated Nitrogen Release lb/A		29				
ANIONS	SOLUBLE SULFUR* ppm	36				
	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	1914 957				
	MAGNESIUM* lb/A ppm	212 106				
	POTASSIUM* lb/A ppm	132 66				
	SODIUM* lb/A ppm	120 60				
	BASE SATURATION PERCENT					
Calcium %	76.32					
Magnesium %	14.09					
Potassium %	2.70					
Sodium %	4.16					
Other Bases %	2.80					
Hydrogen %	0.00					
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	5				
	Manganese** (ppm)	1				
	Copper** (ppm)	0.68				
	Zinc** (ppm)	0.77				
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

a - alkaline soil

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** DTPA Extractable