

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

46715-39

Name Canyon Gate Country Club City Las Vegas State NV

Independent Consultant Soil and Water Consulting Date 12/20/2018

Sample Location <u>GREEN 1</u>			BELOW			
Sample Identification			2"			
Lab Number			0083-1			
Total Exchange Capacity (ME/100 g)			5.14			
pH (H ₂ O 1:1)			a 8.6			
Organic Matter (360°C LOI) %			0.16			
Estimated Nitrogen Release lb/A			6			
ANIONS	SOLUBLE SULFUR* ppm		13			
	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	23 5			
EXCHANGEABLE CATIONS	CALCIUM* lb/A		1642			
			821			
	MAGNESIUM* lb/A		112			
			56			
	POTASSIUM* lb/A		124			
		62				
SODIUM* lb/A		120				
		60				
BASE SATURATION PERCENT						
Calcium %			79.86			
Magnesium %			9.08			
Potassium %			3.09			
Sodium %			5.08			
Other Bases %			2.80			
Hydrogen %			0.00			
EXTRACTABLE MINORS						
Boron** (ppm)			< 0.20			
Iron** (ppm)			26			
Manganese** (ppm)			34			
Copper** (ppm)			0.39			
Zinc** (ppm)			1.18			
Aluminum** (ppm)			52			
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		2.0			
	NH ₄ -N (ppm)		2.7			

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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Sample Location <u>GREEN 6</u>			BELOW			
Sample Identification			2"			
Lab Number			0084-1			
Total Exchange Capacity (ME/100 g)			6.39			
pH (H ₂ O 1:1)			a 8.4			
Organic Matter (360°C LOI) %			0.23			
Estimated Nitrogen Release lb/A			9			
ANIONS	SOLUBLE SULFUR* ppm		30			
	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	27 6			
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	2022 1011			
	MAGNESIUM*	lb/A ppm	132 66			
	POTASSIUM*	lb/A ppm	202 101			
	SODIUM*	lb/A ppm	156 78			
	BASE SATURATION PERCENT					
	Calcium %		79.11			
	Magnesium %		8.61			
	Potassium %		4.05			
	Sodium %		5.31			
	Other Bases %		3.00			
	Hydrogen %		0.00			
EXTRACTABLE MINORS						
	Boron** (ppm)		< 0.20			
	Iron** (ppm)		20			
	Manganese** (ppm)		9			
	Copper** (ppm)		< 0.2			
	Zinc** (ppm)		0.61			
	Aluminum** (ppm)		49			
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		2.5			
	NH ₄ -N (ppm)		2.7			

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Sample Location		GREEN 16	BELOW		
Sample Identification			2"		
Lab Number			0085-1		
Total Exchange Capacity (ME/100 g)			5.64		
pH (H ₂ O 1:1)			a 8.5		
Organic Matter (360°C LOI) %			0.18		
Estimated Nitrogen Release lb/A			7		
ANIONS	SOLUBLE SULFUR* ppm		38		
	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	1664		
		ppm	832		
	MAGNESIUM*	lb/A	176		
		ppm	88		
	POTASSIUM*	lb/A	144		
	ppm	72			
	SODIUM*	lb/A	182		
	ppm	91			
BASE SATURATION PERCENT					
	Calcium	%	73.76		
	Magnesium	%	13.00		
	Potassium	%	3.27		
	Sodium	%	7.02		
	Other Bases	%	2.90		
	Hydrogen	%	0.00		
EXTRACTABLE MINORS					
	Boron** (ppm)		< 0.20		
	Iron** (ppm)		17		
	Manganese** (ppm)		8		
	Copper** (ppm)		< 0.2		
	Zinc** (ppm)		< 0.4		
	Aluminum** (ppm)		37		
OTHER TESTS	Soluble Salts (mmhos/cm)				
	Chlorides (ppm)				
	NO ₃ -N (ppm)		1.5		
	NH ₄ -N (ppm)		2.6		

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