

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name The Summit City Las Vegas State NV

Independent Consultant Soil and Water Consulting Date 6/26/2019

Sample Location <u>TEE</u>			6	15			
Sample Identification							
Lab Number			1230-1	1231-1			
Total Exchange Capacity (ME/100 g)			7.81	8.07			
pH (H ₂ O 1:1)			a 8.3	a 8.1			
Organic Matter (360°C LOI) %			0.57	0.58			
Estimated Nitrogen Release lb/A			23	23			
ANIONS	SOLUBLE SULFUR* ppm		42	50			
	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						
EXCHANGEABLE CATIONS	OLSEN lb/A P as P ₂ O ₅ ppm of P		78 17	60 13			
	CALCIUM* lb/A ppm		2462 1231	2524 1262			
	MAGNESIUM* lb/A ppm		208 104	218 109			
	POTASSIUM* lb/A ppm		230 115	238 119			
	SODIUM* lb/A ppm		114 57	130 65			
BASE SATURATION PERCENT							
	Calcium %		78.81	78.19			
	Magnesium %		11.10	11.26			
	Potassium %		3.78	3.78			
	Sodium %		3.17	3.50			
	Other Bases %		3.10	3.30			
	Hydrogen %		0.00	0.00			
EXTRACTABLE MINORS							
	Boron** (ppm)		0.37	0.54			
	Iron** (ppm)		65	75			
	Manganese** (ppm)		12	13			
	Copper** (ppm)		0.74	1.15			
	Zinc** (ppm)		2.74	1.54			
	Aluminum** (ppm)		70	64			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		3.9	5.8			
	NH ₄ -N (ppm)		10.1	18.9			

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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Sample Location FAIRWAY			6	15			
Sample Identification							
Lab Number			1232-1	1233-1			
Total Exchange Capacity (ME/100 g)			6.83	6.66			
pH (H ₂ O 1:1)			a 8.4	a 8.3			
Organic Matter (360°C LOI) %			0.53	0.59			
Estimated Nitrogen Release lb/A			21	24			
ANIONS	SOLUBLE SULFUR* ppm		79	71			
	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						
EXCHANGEABLE CATIONS	OLSEN lb/A P as P ₂ O ₅ ppm of P		119	92			
			26	20			
	CALCIUM* lb/A		2080	1978			
		ppm	1040	989			
	MAGNESIUM* lb/A		218	216			
		ppm	109	108			
	POTASSIUM* lb/A		220	254			
		ppm	110	127			
	SODIUM* lb/A		110	128			
		ppm	55	64			
BASE SATURATION PERCENT							
Calcium %			76.13	74.25			
Magnesium %			13.30	13.51			
Potassium %			4.13	4.89			
Sodium %			3.50	4.18			
Other Bases %			3.00	3.10			
Hydrogen %			0.00	0.00			
EXTRACTABLE MINORS							
Boron** (ppm)			1.14	0.66			
Iron** (ppm)			85	91			
Manganese** (ppm)			8	8			
Copper** (ppm)			1.19	1.02			
Zinc** (ppm)			2.32	1.45			
Aluminum** (ppm)			81	80			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		0.7	0.8			
	NH ₄ -N (ppm)		1.8	3.9			

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Sample Location <u>GREEN</u>			6	15			
Sample Identification							
Lab Number			1234-1	1235-1			
Total Exchange Capacity (ME/100 g)			6.42	6.89			
pH (H ₂ O 1:1)			a 8.5	a 8.4			
Organic Matter (360°C LOI) %			0.77	0.78			
Estimated Nitrogen Release lb/A			31	31			
ANIONS	SOLUBLE SULFUR* ppm		83	109			
	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						
EXCHANGEABLE CATIONS	OLSEN lb/A P as P ₂ O ₅ ppm of P		50 11	41 9			
	CALCIUM* lb/A ppm		1910 955	1986 993			
	MAGNESIUM* lb/A ppm		200 100	238 119			
	POTASSIUM* lb/A ppm		220 110	232 116			
	SODIUM* lb/A ppm		156 78	196 98			
BASE SATURATION PERCENT							
Calcium %			74.38	72.06			
Magnesium %			12.98	14.39			
Potassium %			4.39	4.32			
Sodium %			5.28	6.18			
Other Bases %			2.90	3.00			
Hydrogen %			0.00	0.00			
EXTRACTABLE MINORS							
Boron** (ppm)			0.77	0.75			
Iron** (ppm)			75	80			
Manganese** (ppm)			14	14			
Copper** (ppm)			0.79	0.83			
Zinc** (ppm)			0.90	1.11			
Aluminum** (ppm)			47	32			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		< 0.5	< 0.5			
	NH ₄ -N (ppm)		2.9	13.8			

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