

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

73668-49

Name The Summit City Las Vegas State NVIndependent Consultant Soil and Water Consulting Date 10/28/2020

Sample Location	TEE	8	17			
Sample Identification						
Lab Number		0272-1	0273-1			
Total Exchange Capacity (ME/100 g)		9.54	7.58			
pH (H ₂ O 1:1)		a 7.9	a 8.3			
Organic Matter (360°C LOI) %		1.21	0.51			
Estimated Nitrogen Release lb/A		44	20			
ANIONS	SOLUBLE SULFUR*	ppm	139	43		
	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	115 25	32 7		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3130 1565	2522 1261		
	MAGNESIUM*	lb/A ppm	248 124	172 86		
	POTASSIUM*	lb/A ppm	132 66	114 57		
	SODIUM*	lb/A ppm	84 42	82 41		
BASE SATURATION PERCENT						
	Calcium	%	82.02	83.18		
	Magnesium	%	10.83	9.45		
	Potassium	%	1.77	1.93		
	Sodium	%	1.91	2.35		
	Other Bases	%	3.50	3.10		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		0.67	0.36		
	Iron** (ppm)		101	62		
	Manganese** (ppm)		17	15		
	Copper** (ppm)		1.44	1.50		
	Zinc** (ppm)		6.23	2.96		
	Aluminum** (ppm)		71	83		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		10.8	11.4		
	NH ₄ -N (ppm)		5.0	11.0		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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Sample Location FAIRWAY			8	17			
Sample Identification							
Lab Number			0274-1	0275-1			
Total Exchange Capacity (ME/100 g)			7.66	7.95			
pH (H ₂ O 1:1)			a 8.0	a 8.1			
Organic Matter (360°C LOI) %			1.30	0.91			
Estimated Nitrogen Release lb/A			46	36			
ANIONS	SOLUBLE SULFUR* ppm		45	60			
	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		101 22	60 13			
EXCHANGEABLE CATIONS	CALCIUM* lb/A		2314	2414			
	ppm		1157	1207			
	MAGNESIUM* lb/A		260	264			
	ppm		130	132			
	POTASSIUM* lb/A		194	210			
	ppm		97	105			
	SODIUM* lb/A		128	132			
	ppm		64	66			
BASE SATURATION PERCENT							
Calcium %			75.52	75.91			
Magnesium %			14.14	13.84			
Potassium %			3.25	3.39			
Sodium %			3.63	3.61			
Other Bases %			3.40	3.30			
Hydrogen %			0.00	0.00			
EXTRACTABLE MINORS							
Boron** (ppm)			0.72	0.71			
Iron** (ppm)			127	79			
Manganese** (ppm)			11	12			
Copper** (ppm)			1.46	0.96			
Zinc** (ppm)			7.66	2.42			
Aluminum** (ppm)			76	78			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		6.9	11.0			
	NH ₄ -N (ppm)		5.8	4.2			

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Sample Location	GREEN	8	17			
Sample Identification						
Lab Number		0276-1	0277-1			
Total Exchange Capacity (ME/100 g)		7.14	5.86			
pH (H ₂ O 1:1)		a 8.5	a 8.2			
Organic Matter (360°C LOI) %		1.09	1.04			
Estimated Nitrogen Release lb/A		42	41			
ANIONS	SOLUBLE SULFUR*	ppm	118	76		
	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	27 6		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	2176 1088	1802 901		
	MAGNESIUM*	lb/A ppm	236 118	190 95		
	POTASSIUM*	lb/A ppm	162 81	114 57		
	SODIUM*	lb/A ppm	138 69	104 52		
BASE SATURATION PERCENT						
	Calcium	%	76.19	76.88		
	Magnesium	%	13.77	13.51		
	Potassium	%	2.91	2.49		
	Sodium	%	4.20	3.86		
	Other Bases	%	2.90	3.20		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		0.76	0.76		
	Iron** (ppm)		48	52		
	Manganese** (ppm)		17	19		
	Copper** (ppm)		0.84	0.63		
	Zinc** (ppm)		2.62	1.53		
	Aluminum** (ppm)		40	42		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		< 0.5	< 0.5		
	NH ₄ -N (ppm)		23.8	4.7		

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