

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

73668-63

Name The Summit City Las Vegas State NVIndependent Consultant Soil and Water Consulting Date 4/17/2024

Sample Location	TEE	9	18			
Sample Identification						
Lab Number		0482-1	0483-1			
Total Exchange Capacity (ME/100 g)		8.19	8.03			
pH (H ₂ O 1:1)		a 7.9	a 7.6			
Organic Matter (360°C LOI) %		1.37	1.18			
Estimated Nitrogen Release lb/A		47	44			
ANIONS	SOLUBLE SULFUR*	ppm	42	55		
	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	64 14	92 20		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	2538 1269	2408 1204		
	MAGNESIUM*	lb/A ppm	256 128	274 137		
	POTASSIUM*	lb/A ppm	130 65	154 77		
	SODIUM*	lb/A ppm	150 75	168 84		
BASE SATURATION PERCENT						
	Calcium	%	77.47	74.97		
	Magnesium	%	13.02	14.22		
	Potassium	%	2.04	2.46		
	Sodium	%	3.98	4.55		
	Other Bases	%	3.50	3.80		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		0.64	0.65		
	Iron** (ppm)		99	98		
	Manganese** (ppm)		18	12		
	Copper** (ppm)		1.89	1.50		
	Zinc** (ppm)		6.15	4.89		
	Aluminum** (ppm)		41	92		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO3-N (ppm)		3.5	4.6		
	NH4-N (ppm)		2.0	3.9		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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Sample Location FAIRWAY			9	18			
Sample Identification							
Lab Number			0484-1	0485-1			
Total Exchange Capacity (ME/100 g)			13.84	8.04			
pH (H ₂ O 1:1)			a 8.0	a 8.1			
Organic Matter (360°C LOI) %			0.99	0.94			
Estimated Nitrogen Release lb/A			40	38			
ANIONS	SOLUBLE SULFUR* ppm		788	77			
	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		174 38	169 37			
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm		4526 2263	2402 1201			
	MAGNESIUM* lb/A ppm		320 160	292 146			
	POTASSIUM* lb/A ppm		146 73	132 66			
	SODIUM* lb/A ppm		244 122	178 89			
	BASE SATURATION PERCENT						
	Calcium %		81.76	74.69			
	Magnesium %		9.63	15.13			
	Potassium %		1.35	2.10			
	Sodium %		3.83	4.81			
	Other Bases %		3.40	3.30			
	Hydrogen %		0.00	0.00			
EXTRACTABLE MINORS							
Boron** (ppm)			0.84	0.78			
Iron** (ppm)			102	97			
Manganese** (ppm)			18	11			
Copper** (ppm)			1.16	1.06			
Zinc** (ppm)			3.10	2.86			
Aluminum** (ppm)			40	71			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		0.7	0.7			
	NH ₄ -N (ppm)		2.5	2.2			

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Sample Location	GREEN	9	18			
Sample Identification						
Lab Number		0486-1	0487-1			
Total Exchange Capacity (ME/100 g)		4.31	5.41			
pH (H ₂ O 1:1)		a 8.2	a 8.3			
Organic Matter (360°C LOI) %		0.63	0.70			
Estimated Nitrogen Release lb/A		25	28			
ANIONS	SOLUBLE SULFUR*	ppm	20	26		
	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	< 9	50			
		< 2	11			
	CALCIUM*	lb/A	1340	1670		
		ppm	670	835		
	MAGNESIUM*	lb/A	132	168		
		ppm	66	84		
	POTASSIUM*	lb/A	84	120		
		ppm	42	60		
	SODIUM*	lb/A	74	96		
		ppm	37	48		
BASE SATURATION PERCENT						
	Calcium %		77.73	77.17		
	Magnesium %		12.76	12.94		
	Potassium %		2.50	2.84		
	Sodium %		3.73	3.86		
	Other Bases %		3.20	3.10		
	Hydrogen %		0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		0.69	0.62		
	Iron** (ppm)		61	62		
	Manganese** (ppm)		27	51		
	Copper** (ppm)		0.58	1.09		
	Zinc** (ppm)		2.08	3.83		
	Aluminum** (ppm)		47	45		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		1.0	1.0		
	NH ₄ -N (ppm)		1.6	1.9		

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