

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

73668-67

Name The Summit Club City Las Vegas State NVIndependent Consultant Soil and Water Consulting Date 6/18/2025

Sample Location	TEE	6	15			
Sample Identification						
Lab Number		1098-1	1099-1			
Total Exchange Capacity (ME/100 g)		7.99	7.46			
pH (H ₂ O 1:1)		a 8.1	a 7.7			
Organic Matter (360°C LOI) %		1.90	1.67			
Estimated Nitrogen Release lb/A		58	53			
ANIONS	SOLUBLE SULFUR*	ppm	52	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	119 26	87 19		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	2464	2170		
		ppm	1232	1085		
	MAGNESIUM*	lb/A	250	304		
		ppm	125	152		
	POTASSIUM*	lb/A	136	140		
		ppm	68	70		
	SODIUM*	lb/A	162	144		
		ppm	81	72		
BASE SATURATION PERCENT						
	Calcium	%	77.10	72.72		
	Magnesium	%	13.04	16.98		
	Potassium	%	2.18	2.41		
	Sodium	%	4.41	4.20		
	Other Bases	%	3.30	3.70		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		1.11	1.07		
	Iron** (ppm)		140	145		
	Manganese** (ppm)		17	17		
	Copper** (ppm)		0.52	1.46		
	Zinc** (ppm)		7.96	5.32		
	Aluminum** (ppm)		39	39		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		5.8	9.7		
	NH ₄ -N (ppm)		8.0	1.1		

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		1100-1	1101-1			
Total Exchange Capacity (ME/100 g)		8.73	7.13			
pH (H ₂ O 1:1)		a 8.2	a 8.0			
Organic Matter (360°C LOI) %		1.54	2.05			
Estimated Nitrogen Release lb/A		51	61			
ANIONS	SOLUBLE SULFUR*	ppm	156	67		
	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	137 30	82 18		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	2342 1171	1982 991		
	MAGNESIUM*	lb/A ppm	376 188	304 152		
	POTASSIUM*	lb/A ppm	214 107	148 74		
	SODIUM*	lb/A ppm	348 174	218 109		
BASE SATURATION PERCENT						
	Calcium	%	67.07	69.50		
	Magnesium	%	17.95	17.77		
	Potassium	%	3.14	2.66		
	Sodium	%	8.67	6.65		
	Other Bases	%	3.20	3.40		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		1.17	0.86		
	Iron** (ppm)		124	134		
	Manganese** (ppm)		10	11		
	Copper** (ppm)		1.22	1.26		
	Zinc** (ppm)		5.41	6.13		
	Aluminum** (ppm)		55	59		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		18.1	8.4		
	NH ₄ -N (ppm)		1.3	1.6		

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Sample Location	GREEN	6	15			
Sample Identification						
Lab Number		1102-1	1103-1			
Total Exchange Capacity (ME/100 g)		8.47	6.67			
pH (H ₂ O 1:1)		a 8.5	a 8.6			
Organic Matter (360°C LOI) %		0.82	0.88			
Estimated Nitrogen Release lb/A		33	35			
ANIONS	SOLUBLE SULFUR*	ppm	226	137		
	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	69 15	50 11		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	2358 1179	1898 949		
	MAGNESIUM*	lb/A ppm	292 146	226 113		
	POTASSIUM*	lb/A ppm	200 100	166 83		
	SODIUM*	lb/A ppm	396 198	270 135		
BASE SATURATION PERCENT						
	Calcium	%	69.60	71.14		
	Magnesium	%	14.36	14.12		
	Potassium	%	3.03	3.19		
	Sodium	%	10.16	8.80		
	Other Bases	%	2.90	2.80		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		1.17	1.04		
	Iron** (ppm)		90	76		
	Manganese** (ppm)		106	67		
	Copper** (ppm)		1.63	1.26		
	Zinc** (ppm)		8.25	5.63		
	Aluminum** (ppm)		23	45		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO3-N (ppm)		2.4	1.0		
	NH4-N (ppm)		2.8	3.8		

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