

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

73668-66

Name The Summit Club City Las Vegas State NVIndependent Consultant Soil and Water Consulting Date 3/28/2025

Sample Location	TEE	5	14			
Sample Identification						
Lab Number		0574-1	0575-1			
Total Exchange Capacity (ME/100 g)		7.67	8.15			
pH (H ₂ O 1:1)		7.3	^a 8.0			
Organic Matter (360°C LOI) %		1.61	1.28			
Estimated Nitrogen Release	lb/A	52	46			
ANIONS	SOLUBLE SULFUR*	ppm	31	24		
	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	206 45	78 17		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	2174 1087	2348 1174		
	MAGNESIUM*	lb/A ppm	326 163	348 174		
	POTASSIUM*	lb/A ppm	178 89	174 87		
	SODIUM*	lb/A ppm	152 76	152 76		
BASE SATURATION PERCENT						
	Calcium	%	70.86	72.02		
	Magnesium	%	17.71	17.79		
	Potassium	%	2.98	2.74		
	Sodium	%	4.31	4.05		
	Other Bases	%	4.10	3.40		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		0.69	0.65		
	Iron** (ppm)		113	108		
	Manganese** (ppm)		23	19		
	Copper** (ppm)		1.69	1.85		
	Zinc** (ppm)		8.10	5.47		
	Aluminum** (ppm)		67	91		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		28.1	8.9		
	NH ₄ -N (ppm)		4.1	6.4		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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Sample Location	FAIRWAY	5	14			
Sample Identification						
Lab Number		0576-1	0577-1			
Total Exchange Capacity (ME/100 g)		8.03	10.20			
pH (H ₂ O 1:1)		a 8.2	a 8.2			
Organic Matter (360°C LOI) %		1.03	1.41			
Estimated Nitrogen Release lb/A		41	48			
ANIONS	SOLUBLE SULFUR*	ppm	76	161		
	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	160 35		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	2332 1166	2970 1485		
	MAGNESIUM*	lb/A ppm	306 153	390 195		
	POTASSIUM*	lb/A ppm	188 94	242 121		
	SODIUM*	lb/A ppm	196 98	234 117		
BASE SATURATION PERCENT						
	Calcium	%	72.60	72.79		
	Magnesium	%	15.88	15.93		
	Potassium	%	3.00	3.04		
	Sodium	%	5.31	4.99		
	Other Bases	%	3.20	3.20		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		0.77	0.86		
	Iron** (ppm)		125	133		
	Manganese** (ppm)		10	14		
	Copper** (ppm)		1.05	1.40		
	Zinc** (ppm)		2.70	4.24		
	Aluminum** (ppm)		38	41		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		14.5	8.5		
	NH ₄ -N (ppm)		8.8	29.9		

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Sample Location	GREEN	5	14			
Sample Identification						
Lab Number		0578-1	0579-1			
Total Exchange Capacity (ME/100 g)		6.04	5.33			
pH (H ₂ O 1:1)		a 8.2	a 8.4			
Organic Matter (360°C LOI) %		1.09	0.96			
Estimated Nitrogen Release lb/A		42	38			
ANIONS	SOLUBLE SULFUR*	ppm	55	37		
	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	64 14		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	1812 906	1576 788		
	MAGNESIUM*	lb/A ppm	200 100	192 96		
	POTASSIUM*	lb/A ppm	148 74	144 72		
	SODIUM*	lb/A ppm	134 67	112 56		
BASE SATURATION PERCENT						
	Calcium	%	75.00	73.92		
	Magnesium	%	13.80	15.01		
	Potassium	%	3.14	3.46		
	Sodium	%	4.82	4.57		
	Other Bases	%	3.20	3.00		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		0.87	0.68		
	Iron** (ppm)		67	58		
	Manganese** (ppm)		64	64		
	Copper** (ppm)		1.55	1.16		
	Zinc** (ppm)		5.15	4.12		
	Aluminum** (ppm)		39	37		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO3-N (ppm)		4.7	1.2		
	NH4-N (ppm)		< 0.5	20.8		

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