

lb/A

BROOKSIDE LABORATORIES, INC. 73668-68

SOIL AUDIT AND INVENTORY REPORT

Name The Summit Club City Las Vegas State NV

Independent Consultant Soil and Water Consulting Date 10/21/2025

Sample Location		THE SUMMIT CLUB	FAIRWAY	FAIRWAY			
Sample Identification			7	16			
Lab Number			0582-1	0583-1			
Total Exchange Capacity (ME / 100 g)			13.14	11.02			
pH (H ₂ O 1:1)			7.5	7.4			
Organic Matter (360°C LOI) %			2.16	1.92			
Estimated Nitrogen Release lb / A			63	58			
ANIONS	SOLUBLE SULFUR*	ppm	86	95			
	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					
EXCHANGABLE CATIONS	OLSEN	lb / A P as P ₂ O ₅ ppm of P	23 5	32 7			
	CALCIUM*	lb / A ppm	3810 1905	3288 1644			
	MAGNESIUM*	lb / A ppm	438 219	382 191			
	POTASSIUM*	lb / A ppm	416 208	256 128			
	SODIUM*	lb / A ppm	342 171	204 102			
BASE SATURATION PERCENT							
Calcium		%	72.49	74.59			
Magnesium		%	13.89	14.44			
Potassium		%	4.06	2.98			
Sodium		%	5.66	4.02			
Other Bases		%	3.90	4.00			
Hydrogen		%	0.00	0.00			
EXTRACTABLE MINORS							
Boron** (ppm)			1.06	0.94			
Iron** (ppm)			156	124			
Manganese** (ppm)			15	15			
Copper** (ppm)			0.90	0.53			
Zinc** (ppm)			9.93	8.51			
Aluminum** (ppm)			56	49			
OTHER TESTS	Soluble Salts (mmhos / cm)						
	Chlorides (ppm)		86.00	50.46			
	NO ₃ -N (ppm)		11.1	18.4			
	NH ₄ -N (ppm)		1.9	1.1			

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

lb/A

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Sample Location		THE SUMMIT CLUB	GREEN	GREEN			
Sample Identification			7	16			
Lab Number			0584-1	0585-1			
Total Exchange Capacity (ME / 100 g)			6.10	5.91			
pH (H ₂ O 1:1)			8.2	8.2			
Organic Matter (360°C LOI) %			0.98	0.73			
Estimated Nitrogen Release lb / A			39	29			
ANIONS	SOLUBLE SULFUR*	ppm	42	43			
	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					
EXCHANGABLE CATIONS	OLSEN	lb / A P as P ₂ O ₅ ppm of P	64 14	32 7			
	CALCIUM*	lb / A ppm	1874 937	1826 913			
	MAGNESIUM*	lb / A ppm	198 99	186 93			
	POTASSIUM*	lb / A ppm	146 73	138 69			
	SODIUM*	lb / A ppm	96 48	92 46			
BASE SATURATION PERCENT							
Calcium		%	76.80	77.24			
Magnesium		%	13.52	13.11			
Potassium		%	3.07	2.99			
Sodium		%	3.42	3.38			
Other Bases		%	3.20	3.20			
Hydrogen		%	0.00	0.00			
EXTRACTABLE MINORS							
Boron** (ppm)			0.84	0.94			
Iron** (ppm)			75	90			
Manganese** (ppm)			84	123			
Copper** (ppm)			1.96	1.85			
Zinc** (ppm)			7.32	7.74			
Aluminum** (ppm)			45	46			
OTHER TESTS	Soluble Salts (mmhos / cm)						
	Chlorides (ppm)		22.89	34.69			
	NO ₃ -N (ppm)		3.8	4.0			
	NH ₄ -N (ppm)		0.6	0.6			

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Sample Location		THE SUMMIT CLUB	TEE	TEE			
Sample Identification			7	16			
Lab Number			0586-1	0587-1			
Total Exchange Capacity (ME / 100 g)			9.08	11.23			
pH (H ₂ O 1:1)			7.7	7.8			
Organic Matter (360°C LOI) %			2.22	1.72			
Estimated Nitrogen Release lb / A			64	54			
ANIONS	SOLUBLE SULFUR*	ppm	58	28			
	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					
EXCHANGABLE CATIONS	OLSEN	lb / A P as P ₂ O ₅ ppm of P	243 53	353 77			
	CALCIUM*	lb / A ppm	2652 1326	3442 1721			
	MAGNESIUM*	lb / A ppm	394 197	432 216			
	POTASSIUM*	lb / A ppm	140 70	118 59			
	SODIUM*	lb / A ppm	134 67	126 63			
BASE SATURATION PERCENT							
Calcium		%	73.02	76.63			
Magnesium		%	18.08	16.03			
Potassium		%	1.98	1.35			
Sodium		%	3.21	2.44			
Other Bases		%	3.70	3.60			
Hydrogen		%	0.00	0.00			
EXTRACTABLE MINORS							
Boron** (ppm)			1.01	0.83			
Iron** (ppm)			108	112			
Manganese** (ppm)			18	16			
Copper** (ppm)			2.39	1.77			
Zinc** (ppm)			9.45	7.68			
Aluminum** (ppm)			63	71			
OTHER TESTS	Soluble Salts (mmhos / cm)						
	Chlorides (ppm)		50.58	31.21			
	NO ₃ -N (ppm)		17.3	14.1			
	NH ₄ -N (ppm)		1.5	1.5			

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