

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

51324-57

Name Las Vegas Country Club City Las Vegas State NV

Independent Consultant Soil and Water Consulting Date 4/5/2021

Sample Location	TEE	5	14			
Sample Identification						
Lab Number		0049-1	0050-1			
Total Exchange Capacity (ME/100 g)		14.98	10.59			
pH (H ₂ O 1:1)		a 8.1	a 7.9			
Organic Matter (360°C LOI) %		4.04	3.67			
Estimated Nitrogen Release	lb/A	90	87			
ANIONS	SOLUBLE SULFUR*	ppm	62	48		
	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	183 40	96 21		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	4002 2001	2926 1463		
	MAGNESIUM*	lb/A ppm	902 451	572 286		
	POTASSIUM*	lb/A ppm	384 192	268 134		
	SODIUM*	lb/A ppm	108 54	80 40		
BASE SATURATION PERCENT						
	Calcium	%	66.79	69.07		
	Magnesium	%	25.09	22.51		
	Potassium	%	3.29	3.24		
	Sodium	%	1.57	1.64		
	Other Bases	%	3.30	3.50		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		1.31	1.10		
	Iron** (ppm)		130	156		
	Manganese** (ppm)		19	13		
	Copper** (ppm)		2.98	2.65		
	Zinc** (ppm)		16.63	13.81		
	Aluminum** (ppm)		89	101		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		14.6	5.7		
	NH ₄ -N (ppm)		17.1	3.6		

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		0051-1	0052-1			
Total Exchange Capacity (ME/100 g)		18.39	34.54			
pH (H ₂ O 1:1)		a 8.0	a 7.9			
Organic Matter (360°C LOI) %		5.50	2.93			
Estimated Nitrogen Release lb/A		102	79			
ANIONS	SOLUBLE SULFUR*	ppm	568	3289		
	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	169 37	133 29		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	5332 2666	11844 5922		
	MAGNESIUM*	lb/A ppm	896 448	736 368		
	POTASSIUM*	lb/A ppm	362 181	378 189		
	SODIUM*	lb/A ppm	110 55	76 38		
BASE SATURATION PERCENT						
	Calcium	%	72.49	85.73		
	Magnesium	%	20.30	8.88		
	Potassium	%	2.52	1.40		
	Sodium	%	1.30	0.48		
	Other Bases	%	3.40	3.50		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		2.15	1.06		
	Iron** (ppm)		127	102		
	Manganese** (ppm)		24	33		
	Copper** (ppm)		4.26	2.54		
	Zinc** (ppm)		30.76	10.60		
	Aluminum** (ppm)		43	63		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		23.8	4.7		
	NH ₄ -N (ppm)		50.6	3.2		

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Sample Location	GREEN	5	14			
Sample Identification						
Lab Number		0053-1	0054-1			
Total Exchange Capacity (ME/100 g)		7.46	9.56			
pH (H ₂ O 1:1)		a 8.5	a 8.6			
Organic Matter (360°C LOI) %		0.73	0.67			
Estimated Nitrogen Release lb/A		29	27			
ANIONS	SOLUBLE SULFUR*	ppm	84	235		
	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	339 74	376 82		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	2348 1174	2978 1489		
	MAGNESIUM*	lb/A ppm	270 135	364 182		
	POTASSIUM*	lb/A ppm	92 46	148 74		
	SODIUM*	lb/A ppm	58 29	66 33		
BASE SATURATION PERCENT						
	Calcium	%	78.69	77.88		
	Magnesium	%	15.08	15.86		
	Potassium	%	1.58	1.98		
	Sodium	%	1.69	1.50		
	Other Bases	%	2.90	2.80		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		0.60	0.83		
	Iron** (ppm)		69	51		
	Manganese** (ppm)		65	32		
	Copper** (ppm)		2.35	2.72		
	Zinc** (ppm)		13.00	8.07		
	Aluminum** (ppm)		9	5		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		3.6	< 0.5		
	NH ₄ -N (ppm)		11.3	4.3		

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