

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

47746-20

Name Dragon Ridge C.C. City Henderson State NVIndependent Consultant Soil and Water Consulting Date 3/22/2023

Sample Location	FAIRWAY	18				
Sample Identification						
Lab Number		0184-1				
Total Exchange Capacity (ME/100 g)		8.73				
pH (H ₂ O 1:1)		a 7.8				
Organic Matter (360°C LOI) %		2.11				
Estimated Nitrogen Release lb/A		62				
ANIONS	SOLUBLE SULFUR*	ppm	112			
	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	215 47			
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	2176 1088			
	MAGNESIUM*	lb/A ppm	336 168			
	POTASSIUM*	lb/A ppm	258 129			
	SODIUM*	lb/A ppm	574 287			
BASE SATURATION PERCENT						
	Calcium	%	62.31			
	Magnesium	%	16.04			
	Potassium	%	3.79			
	Sodium	%	14.29			
	Other Bases	%	3.60			
	Hydrogen	%	0.00			
EXTRACTABLE MINORS						
	Boron** (ppm)		2.30			
	Iron** (ppm)		230			
	Manganese** (ppm)		29			
	Copper** (ppm)		5.06			
	Zinc** (ppm)		20.52			
	Aluminum** (ppm)		320			
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		0.7			
	NH ₄ -N (ppm)		< 0.5			

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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Sample Location		ROUGH	3				
Sample Identification							
Lab Number			0185-1				
Total Exchange Capacity (ME/100 g)			9.21				
pH (H ₂ O 1:1)			a 7.9				
Organic Matter (360°C LOI) %			2.13				
Estimated Nitrogen Release lb/A			63				
ANIONS	SOLUBLE SULFUR* ppm		150				
	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					
		OLSEN lb/A P as P ₂ O ₅ ppm of P	197 43				
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm		2318 1159				
	MAGNESIUM* lb/A ppm		352 176				
	POTASSIUM* lb/A ppm		194 97				
	SODIUM* lb/A ppm		632 316				
BASE SATURATION PERCENT							
Calcium %		62.92					
Magnesium %		15.92					
Potassium %		2.70					
Sodium %		14.92					
Other Bases %		3.50					
Hydrogen %		0.00					
EXTRACTABLE MINORS							
Boron** (ppm)		2.20					
Iron** (ppm)		249					
Manganese** (ppm)		31					
Copper** (ppm)		5.83					
Zinc** (ppm)		21.26					
Aluminum** (ppm)		106					
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		1.7				
	NH ₄ -N (ppm)		1.6				

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Sample Location		FAIRWAY	13				
Sample Identification							
Lab Number			0186-1				
Total Exchange Capacity (ME/100 g)			11.04				
pH (H ₂ O 1:1)			a 7.8				
Organic Matter (360°C LOI) %			2.14				
Estimated Nitrogen Release		lb/A	63				
ANIONS	SOLUBLE SULFUR*		ppm	434			
	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				
		OLSEN	lb/A P as P ₂ O ₅ ppm of P	206 45			
EXCHANGEABLE CATIONS	CALCIUM*		lb/A ppm	2966 1483			
	MAGNESIUM*		lb/A ppm	360 180			
	POTASSIUM*		lb/A ppm	232 116			
	SODIUM*		lb/A ppm	656 328			
	BASE SATURATION PERCENT						
Calcium			%	67.16			
Magnesium			%	13.59			
Potassium			%	2.69			
Sodium			%	12.92			
Other Bases			%	3.60			
Hydrogen			%	0.00			
EXTRACTABLE MINORS							
Boron** (ppm)				2.33			
Iron** (ppm)				220			
Manganese** (ppm)				24			
Copper** (ppm)				5.05			
Zinc** (ppm)				17.81			
Aluminum** (ppm)				90			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)			1.9			
	NH ₄ -N (ppm)			0.6			

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** Mehlich III Extractable