

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

47746-42

Name Dragonridge Country Club City Henderson State WVIndependent Consultant Soil and Water Consulting Date 3/28/2025

Sample Location	TEE	4	15			
Sample Identification						
Lab Number		0581-1	0582-1			
Total Exchange Capacity (ME/100 g)		11.68	11.21			
pH (H ₂ O 1:1)		a 7.4	a 7.4			
Organic Matter (360°C LOI) %		3.62	2.00			
Estimated Nitrogen Release	lb/A	86	60			
ANIONS	SOLUBLE SULFUR*	ppm	138	311		
	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	133 29	142 31		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	2880	2208		
		ppm	1440	1104		
	MAGNESIUM*	lb/A	422	350		
		ppm	211	175		
	POTASSIUM*	lb/A	282	1436		
		ppm	141	718		
	SODIUM*	lb/A	870	892		
		ppm	435	446		
BASE SATURATION PERCENT						
	Calcium	%	61.64	49.24		
	Magnesium	%	15.05	13.01		
	Potassium	%	3.10	16.42		
	Sodium	%	16.19	17.30		
	Other Bases	%	4.00	4.00		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		1.22	1.51		
	Iron** (ppm)		222	272		
	Manganese** (ppm)		25	15		
	Copper** (ppm)		10.75	5.32		
	Zinc** (ppm)		22.25	16.02		
	Aluminum** (ppm)		51	20		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		1.9	1.9		
	NH ₄ -N (ppm)		2.4	16.1		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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Sample Location <u>FAIRWAY</u>			4	15			
Sample Identification							
Lab Number			0583-1	0584-1			
Total Exchange Capacity (ME/100 g)			12.39	11.10			
pH (H ₂ O 1:1)			a 8.1	a 7.9			
Organic Matter (360°C LOI) %			1.61	1.72			
Estimated Nitrogen Release lb/A			52	54			
ANIONS	SOLUBLE SULFUR* ppm		212	484			
	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	261 57	275 60			
EXCHANGEABLE CATIONS	CALCIUM*		3100 1550	2824 1412			
	MAGNESIUM*		402 201	342 171			
	POTASSIUM*		314 157	252 126			
	SODIUM*		992 496	876 438			
	BASE SATURATION PERCENT						
	Calcium	%	62.55	63.60			
	Magnesium	%	13.52	12.84			
	Potassium	%	3.25	2.91			
	Sodium	%	17.41	17.16			
	Other Bases	%	3.30	3.50			
	Hydrogen	%	0.00	0.00			
EXTRACTABLE MINORS							
Boron** (ppm)			1.65	1.98			
Iron** (ppm)			120	197			
Manganese** (ppm)			23	22			
Copper** (ppm)			3.20	3.65			
Zinc** (ppm)			13.41	17.42			
Aluminum** (ppm)			36	27			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		2.1	7.7			
	NH ₄ -N (ppm)		< 0.5	13.9			

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Sample Location	GREEN	4	15			
Sample Identification						
Lab Number		0585-1	0586-1			
Total Exchange Capacity (ME/100 g)		7.82	7.14			
pH (H ₂ O 1:1)		a 8.8	a 8.7			
Organic Matter (360°C LOI) %		0.78	0.90			
Estimated Nitrogen Release lb/A		31	36			
ANIONS	SOLUBLE SULFUR*	ppm	92	73		
	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	9 2	32 7		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	2302	2108		
		ppm	1151	1054		
	MAGNESIUM*	lb/A	248	238		
		ppm	124	119		
	POTASSIUM*	lb/A	190	146		
		ppm	95	73		
	SODIUM*	lb/A	268	230		
		ppm	134	115		
BASE SATURATION PERCENT						
	Calcium	%	73.59	73.81		
	Magnesium	%	13.21	13.89		
	Potassium	%	3.11	2.62		
	Sodium	%	7.45	7.00		
	Other Bases	%	2.60	2.70		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		0.76	0.70		
	Iron** (ppm)		79	72		
	Manganese** (ppm)		26	25		
	Copper** (ppm)		0.65	0.41		
	Zinc** (ppm)		3.00	3.25		
	Aluminum** (ppm)		15	6		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		< 0.5	< 0.5		
	NH ₄ -N (ppm)		6.6	< 0.5		

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