

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

47746-44

Name Dragonridge Country Club City Henderson State WVIndependent Consultant Soil and Water Consulting Date 6/20/2025

Sample Location	TEE	6	15			
Sample Identification						
Lab Number		1315-1	1316-1			
Total Exchange Capacity (ME/100 g)		8.88	11.77			
pH (H ₂ O 1:1)		a 8.2	a 7.6			
Organic Matter (360°C LOI) %		1.96	2.25			
Estimated Nitrogen Release	lb/A	59	65			
ANIONS	SOLUBLE SULFUR*	ppm	122	519		
	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	87 19		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	2022	2668		
		ppm	1011	1334		
	MAGNESIUM*	lb/A	312	378		
		ppm	156	189		
	POTASSIUM*	lb/A	286	260		
		ppm	143	130		
	SODIUM*	lb/A	860	1262		
		ppm	430	631		
BASE SATURATION PERCENT						
	Calcium	%	56.93	56.67		
	Magnesium	%	14.64	13.38		
	Potassium	%	4.13	2.83		
	Sodium	%	21.05	23.31		
	Other Bases	%	3.20	3.80		
	Hydrogen	%	0.00	0.00		
EXTRACTABLE MINORS						
	Boron** (ppm)		1.10	1.48		
	Iron** (ppm)		167	260		
	Manganese** (ppm)		19	12		
	Copper** (ppm)		7.74	5.09		
	Zinc** (ppm)		13.63	21.49		
	Aluminum** (ppm)		104	67		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		5.5	10.3		
	NH ₄ -N (ppm)		20.3	27.3		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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Sample Location FAIRWAY			6	15			
Sample Identification							
Lab Number			1317-1	1318-1			
Total Exchange Capacity (ME/100 g)			9.74	9.84			
pH (H ₂ O 1:1)			a 8.3	a 8.2			
Organic Matter (360°C LOI) %			2.62	2.02			
Estimated Nitrogen Release lb/A			72	60			
ANIONS	SOLUBLE SULFUR* ppm		132	132			
	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	389 85	275 60			
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm		2222 1111	2364 1182			
	MAGNESIUM* lb/A ppm		374 187	342 171			
	POTASSIUM* lb/A ppm		302 151	298 149			
	SODIUM* lb/A ppm		890 445	832 416			
	BASE SATURATION PERCENT						
	Calcium	%	57.03	60.06			
	Magnesium	%	16.00	14.48			
	Potassium	%	3.98	3.88			
	Sodium	%	19.86	18.38			
	Other Bases	%	3.10	3.20			
	Hydrogen	%	0.00	0.00			
	EXTRACTABLE MINORS						
	Boron** (ppm)		2.52	1.78			
	Iron** (ppm)		157	184			
	Manganese** (ppm)		19	23			
	Copper** (ppm)		8.89	3.56			
	Zinc** (ppm)		28.62	16.09			
	Aluminum** (ppm)		28	37			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		28.1	22.2			
	NH ₄ -N (ppm)		47.6	5.5			

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Sample Location			GREEN	6	15			
Sample Identification								
Lab Number				1319-1	1320-1			
Total Exchange Capacity (ME/100 g)				6.37	7.81			
pH (H ₂ O 1:1)				a 8.9	a 9.0			
Organic Matter (360°C LOI) %				0.65	0.62			
Estimated Nitrogen Release lb/A				26	25			
ANIONS	SOLUBLE SULFUR* ppm			39	83			
	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		23 5	60 13			
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	1884	2214			
			ppm	942	1107			
	MAGNESIUM*		lb/A	198	264			
			ppm	99	132			
	POTASSIUM*		lb/A	210	250			
			ppm	105	125			
	SODIUM*		lb/A	188	306			
			ppm	94	153			
BASE SATURATION PERCENT								
Calcium %				73.94	70.87			
Magnesium %				12.95	14.08			
Potassium %				4.23	4.10			
Sodium %				6.42	8.52			
Other Bases %				2.50	2.40			
Hydrogen %				0.00	0.00			
EXTRACTABLE MINORS								
Boron** (ppm)				0.71	0.79			
Iron** (ppm)				42	50			
Manganese** (ppm)				14	20			
Copper** (ppm)				0.31	0.26			
Zinc** (ppm)				1.90	1.59			
Aluminum** (ppm)				40	13			
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							
	NO3-N (ppm)			< 0.5	< 0.5			
	NH4-N (ppm)			14.7	2.3			

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