

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

74738-29

Name Jumping Brook Country Club City Neptune State NJ

Independent Consultant Soil and Water Consulting Date 5/17/2024

Sample Location	TEE	6	14	18		
Sample Identification						
Lab Number		1309-1	1310-1	1311-1		
Total Exchange Capacity (ME/100 g)		6.02	6.36	11.21		
pH	Buffer (SMP/Sikora)	7.5	7.2	7.0		
	H ₂ O (1:1)	6.4	6.4	5.4		
Organic Matter (360°C LOI) %		2.59	4.02	3.34		
Estimated Nitrogen Release	lb/A	72	90	83		
ANIONS	SOLUBLE SULFUR*					
	ppm	15	25	43		
	MEHLICH III lb/A P as P ₂ O ₅	779	985	1067		
	ppm of P	170	215	233		
	BRAY II lb/A P as P ₂ O ₅					
	ppm of P					
EXCHANGEABLE CATIONS	OLSEN lb/A P as P ₂ O ₅					
	ppm of P					
	CALCIUM* lb/A	1598	1692	1970		
	ppm	799	846	985		
	MAGNESIUM* lb/A	174	188	264		
BASE SATURATION PERCENT	ppm	87	94	132		
	POTASSIUM* lb/A	240	246	390		
	ppm	120	123	195		
	SODIUM* lb/A	68	64	114		
	ppm	34	32	57		
BASE SATURATION PERCENT						
	Calcium %	66.36	66.51	43.93		
	Magnesium %	12.04	12.32	9.81		
	Potassium %	5.11	4.96	4.46		
	Sodium %	2.46	2.19	2.21		
	Other Bases %	5.00	5.00	6.60		
	Hydrogen %	9.00	9.00	33.00		
EXTRACTABLE MINORS						
	Boron* (ppm)	0.36	0.32	0.48		
	Iron* (ppm)	268	185	541		
	Manganese* (ppm)	25	31	20		
	Copper* (ppm)	1.75	1.24	1.48		
	Zinc* (ppm)	8.34	5.98	7.00		
	Aluminum* (ppm)	239	440	471		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	1.9	5.1	1.9		
	NH ₄ -N (ppm)	3.6	4.3	6.6		

* Mehlich III Extractable

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

74738-29

Name Jumping Brook Country Club City Neptune State NJ

Independent Consultant Soil and Water Consulting Date 5/17/2024

Sample Location	FAIRWAY	6	14			
Sample Identification						
Lab Number		1312-1	1313-1			
Total Exchange Capacity (ME/100 g)		6.45	6.84			
pH	Buffer (SMP/Sikora)	7.2	7.2			
	H ₂ O (1:1)	6.1	6.1			
Organic Matter (360°C LOI) %		3.69	4.47			
Estimated Nitrogen Release	lb/A	87	95			
ANIONS	SOLUBLE SULFUR*					
	ppm	22	22			
	MEHLICH III lb/A P as P ₂ O ₅	724	476			
	ppm of P	158	104			
	BRAY II lb/A P as P ₂ O ₅					
EXCHANGEABLE CATIONS	ppm of P					
	OLSEN lb/A P as P ₂ O ₅					
	ppm of P					
	CALCIUM*	lb/A	1642	1740		
	ppm		821	870		
	MAGNESIUM*	lb/A	146	156		
	ppm		73	78		
	POTASSIUM*	lb/A	292	300		
	ppm		146	150		
	SODIUM*	lb/A	72	82		
	ppm		36	41		
BASE SATURATION PERCENT						
	Calcium %		63.64	63.60		
	Magnesium %		9.43	9.50		
	Potassium %		5.80	5.62		
	Sodium %		2.43	2.61		
	Other Bases %		5.20	5.20		
	Hydrogen %		13.50	13.50		
EXTRACTABLE MINORS						
	Boron* (ppm)		0.34	0.33		
	Iron* (ppm)		287	242		
	Manganese* (ppm)		9	5		
	Copper* (ppm)		0.98	0.89		
	Zinc* (ppm)		3.16	2.47		
	Aluminum* (ppm)		548	829		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		1.4	7.1		
	NH ₄ -N (ppm)		3.8	4.6		

* Mehlich III Extractable

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

74738-29

Name Jumping Brook Country Club City Neptune State NJ

Independent Consultant Soil and Water Consulting Date 5/17/2024

Sample Location	FAIRWAY	18				
Sample Identification						
Lab Number		1314-1				
Total Exchange Capacity (ME/100 g)		8.15				
pH	Buffer (SMP/Sikora)	7.3				
	H ₂ O (1:1)	6.7				
Organic Matter (360°C LOI) %		4.12				
Estimated Nitrogen Release	lb/A	91				
ANIONS	SOLUBLE SULFUR*					
	ppm	29				
	MEHLICH III lb/A P as P ₂ O ₅	742				
	ppm of P	162				
	BRAY II lb/A P as P ₂ O ₅					
EXCHANGEABLE CATIONS	ppm of P					
	OLSEN lb/A P as P ₂ O ₅					
	ppm of P					
	CALCIUM* lb/A	2422				
	ppm	1211				
	MAGNESIUM* lb/A	190				
	ppm	95				
	POTASSIUM* lb/A	268				
	ppm	134				
	SODIUM* lb/A	98				
	ppm	49				
BASE SATURATION PERCENT						
	Calcium %	74.29				
	Magnesium %	9.71				
	Potassium %	4.22				
	Sodium %	2.61				
	Other Bases %	4.70				
	Hydrogen %	4.50				
EXTRACTABLE MINORS						
	Boron* (ppm)	0.55				
	Iron* (ppm)	438				
	Manganese* (ppm)	6				
	Copper* (ppm)	1.84				
	Zinc* (ppm)	6.73				
	Aluminum* (ppm)	518				
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	1.4				
	NH ₄ -N (ppm)	4.1				

* Mehlich III Extractable

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

74738-29

Name Jumping Brook Country Club City Neptune State NJ

Independent Consultant Soil and Water Consulting Date 5/17/2024

Sample Location	GREEN	6	14	18		
Sample Identification						
Lab Number		1315-1	1316-1	1317-1		
Total Exchange Capacity (ME/100 g)		9.10	9.48	9.93		
pH	Buffer (SMP/Sikora)	7.3	7.2	7.2		
	H ₂ O (1:1)	6.2	6.3	6.2		
Organic Matter (360°C LOI) %		3.05	4.49	3.89		
Estimated Nitrogen Release	lb/A	80	95	89		
ANIONS	SOLUBLE SULFUR*					
	ppm	43	39	47		
	MEHLICH III lb/A P as P ₂ O ₅	1630	1534	1484		
	ppm of P	356	335	324		
	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					
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	2536	2620	2766	
	ppm		1268	1310	1383	
	MAGNESIUM*	lb/A	164	196	176	
	ppm		82	98	88	
	POTASSIUM*	lb/A	282	350	328	
	ppm		141	175	164	
	SODIUM*	lb/A	70	86	72	
	ppm		35	43	36	
BASE SATURATION PERCENT						
	Calcium %	69.67	69.09	69.64		
	Magnesium %	7.51	8.61	7.39		
	Potassium %	3.97	4.73	4.23		
	Sodium %	1.67	1.97	1.58		
	Other Bases %	5.20	5.10	5.20		
	Hydrogen %	12.00	10.50	12.00		
EXTRACTABLE MINORS						
	Boron* (ppm)	0.41	0.54	0.41		
	Iron* (ppm)	382	432	352		
	Manganese* (ppm)	25	18	16		
	Copper* (ppm)	2.61	2.03	2.63		
	Zinc* (ppm)	31.49	46.21	24.50		
	Aluminum* (ppm)	447	431	480		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	2.5	2.4	2.1		
	NH ₄ -N (ppm)	2.5	2.2	1.5		

* Mehlich III Extractable

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

74738-29

Name Jumping Brook Country Club City Neptune State NJ

Independent Consultant Soil and Water Consulting Date 5/17/2024

Sample Location	ROUGH	6	14	18	8&9	
Sample Identification						
Lab Number		1318-1	1319-1	1320-1	1321-1	
Total Exchange Capacity (ME/100 g)		6.58	8.41	9.47	9.89	
pH	Buffer (SMP/Sikora)	7.2	7.2	7.2	6.7	
	H ₂ O (1:1)	6.6	6.5	6.5	5.7	
Organic Matter (360°C LOI) %		3.25	4.36	5.38	8.16	
Estimated Nitrogen Release	lb/A	82	94	102	116	
ANIONS	SOLUBLE SULFUR*					
	ppm	19	22	34	27	
	MEHLICH III lb/A P as P ₂ O ₅	669	609	234	435	
	ppm of P	146	133	51	95	
	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					
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	1938	2458	2942	2318
	ppm		969	1229	1471	1159
	MAGNESIUM*	lb/A	144	164	134	160
	ppm		72	82	67	80
	POTASSIUM*	lb/A	226	300	134	188
	ppm		113	150	67	94
	SODIUM*	lb/A	60	72	96	100
	ppm		30	36	48	50
BASE SATURATION PERCENT						
Calcium	%	73.63	73.07	77.67	58.59	
Magnesium	%	9.12	8.13	5.90	6.74	
Potassium	%	4.40	4.57	1.81	2.44	
Sodium	%	1.98	1.86	2.20	2.20	
Other Bases	%	4.80	4.90	4.90	6.00	
Hydrogen	%	6.00	7.50	7.50	24.00	
EXTRACTABLE MINORS						
	Boron* (ppm)	0.25	0.36	0.48	0.33	
	Iron* (ppm)	185	209	473	354	
	Manganese* (ppm)	6	5	5	6	
	Copper* (ppm)	1.08	1.11	2.43	1.20	
	Zinc* (ppm)	2.74	12.50	11.18	7.52	
	Aluminum* (ppm)	703	841	598	460	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	3.1	3.4	1.6	0.8	
	NH ₄ -N (ppm)	3.5	2.0	1.6	1.1	

* Mehlich III Extractable