

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

74738-32

Name Jumping Brook Country Club City Neptune State NJ

Independent Consultant Soil and Water Consulting Date 5/8/2025

Sample Location	TEE	1	4	17		
Sample Identification						
Lab Number		1262-1	1263-1	1264-1		
Total Exchange Capacity (ME/100 g)		8.22	6.77	6.64		
pH	Buffer (SMP/Sikora)	7.2	7.5	7.2		
	H ₂ O (1:1)	7.0	6.9	6.8		
Organic Matter (360°C LOI) %		4.44	2.93	3.27		
Estimated Nitrogen Release	lb/A	94	79	83		
ANIONS	SOLUBLE SULFUR*					
	ppm	15	11	13		
	MEHLICH III lb/A P as P ₂ O ₅	591	641	664		
	ppm of P	129	140	145		
	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	2500	2072	1984	
	ppm		1250	1036	992	
	MAGNESIUM*	lb/A	268	196	186	
	ppm		134	98	93	
	POTASSIUM*	lb/A	258	202	212	
	ppm		129	101	106	
	SODIUM*	lb/A	72	50	58	
	ppm		36	25	29	
BASE SATURATION PERCENT						
Calcium	%	76.03	76.51	74.70		
Magnesium	%	13.58	12.06	11.67		
Potassium	%	4.02	3.83	4.09		
Sodium	%	1.90	1.61	1.90		
Other Bases	%	4.40	4.50	4.60		
Hydrogen	%	0.00	1.50	3.00		
EXTRACTABLE MINORS						
	Boron* (ppm)	0.79	0.51	0.58		
	Iron* (ppm)	262	187	290		
	Manganese* (ppm)	26	65	36		
	Copper* (ppm)	2.27	1.07	1.22		
	Zinc* (ppm)	7.16	5.71	5.88		
	Aluminum* (ppm)	474	353	469		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	2.4	0.9	2.8		
	NH ₄ -N (ppm)	7.7	7.0	8.3		

* Mehlich III Extractable

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Sample Location	FAIRWAY	1	4	17		
Sample Identification						
Lab Number		1265-1	1266-1	1267-1		
Total Exchange Capacity (ME/100 g)		7.02	6.35	7.29		
pH	Buffer (SMP/Sikora)	7.4	7.1	7.4		
	H ₂ O (1:1)	6.4	6.1	6.4		
Organic Matter (360°C LOI) %		3.67	4.76	3.84		
Estimated Nitrogen Release	lb/A	87	98	88		
ANIONS	SOLUBLE SULFUR*					
	ppm	17	23	16		
	MEHLICH III lb/A P as P ₂ O ₅	714	508	508		
	ppm of P	156	111	111		
	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	2008	1722	2066	
	ppm		1004	861	1033	
	MAGNESIUM*	lb/A	166	138	196	
	ppm		83	69	98	
	POTASSIUM*	lb/A	146	114	138	
	ppm		73	57	69	
	SODIUM*	lb/A	64	62	52	
	ppm		32	31	26	
BASE SATURATION PERCENT						
	Calcium %	71.51	67.80	70.85		
	Magnesium %	9.85	9.06	11.20		
	Potassium %	2.67	2.30	2.43		
	Sodium %	1.98	2.12	1.55		
	Other Bases %	5.00	5.20	5.00		
	Hydrogen %	9.00	13.50	9.00		
EXTRACTABLE MINORS						
	Boron* (ppm)	0.56	0.74	0.64		
	Iron* (ppm)	296	530	374		
	Manganese* (ppm)	8	6	6		
	Copper* (ppm)	0.93	1.39	0.87		
	Zinc* (ppm)	3.63	6.79	4.07		
	Aluminum* (ppm)	409	392	346		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	0.6	1.3	2.1		
	NH ₄ -N (ppm)	2.5	3.2	2.9		

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Sample Location	GREEN	1	4	17		
Sample Identification						
Lab Number		1268-1	1269-1	1270-1		
Total Exchange Capacity (ME/100 g)		8.31	8.67	7.21		
pH	Buffer (SMP/Sikora)	7.2	7.3	7.4		
	H ₂ O (1:1)	6.5	6.4	6.3		
Organic Matter (360°C LOI) %		2.93	3.65	2.78		
Estimated Nitrogen Release	lb/A	79	86	76		
ANIONS	SOLUBLE SULFUR*					
	ppm	14	20	24		
	MEHLICH III lb/A P as P ₂ O ₅	847	1260	1095		
	ppm of P	185	275	239		
	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	2500	2560	2102		
	ppm	1250	1280	1051		
	MAGNESIUM* lb/A	176	168	120		
	ppm	88	84	60		
	POTASSIUM* lb/A	152	170	152		
	ppm	76	85	76		
	SODIUM* lb/A	48	62	64		
	ppm	24	31	32		
BASE SATURATION PERCENT						
	Calcium %	75.21	73.82	72.88		
	Magnesium %	8.82	8.07	6.93		
	Potassium %	2.35	2.51	2.70		
	Sodium %	1.26	1.55	1.93		
	Other Bases %	4.90	5.00	5.10		
	Hydrogen %	7.50	9.00	10.50		
EXTRACTABLE MINORS						
	Boron* (ppm)	0.56	0.71	0.53		
	Iron* (ppm)	307	424	347		
	Manganese* (ppm)	21	34	47		
	Copper* (ppm)	2.01	2.24	1.63		
	Zinc* (ppm)	19.30	23.06	11.78		
	Aluminum* (ppm)	281	298	242		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	2.1	1.8	1.7		
	NH ₄ -N (ppm)	2.9	2.0	1.9		

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Sample Location	ROUGH	1	4	17		
Sample Identification						
Lab Number		1271-1	1272-1	1273-1		
Total Exchange Capacity (ME/100 g)		9.94	7.25	8.24		
pH	Buffer (SMP/Sikora)	NA	7.3	7.1		
	H ₂ O (1:1)	7.2	6.5	5.8		
Organic Matter (360°C LOI) %		3.98	3.18	6.39		
Estimated Nitrogen Release	lb/A	90	82	107		
ANIONS	SOLUBLE SULFUR*					
	ppm	15	19	24		
	MEHLICH III lb/A P as P ₂ O ₅	435	243	174		
	ppm of P	95	53	38		
	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	3380	2298	2096		
	ppm	1690	1149	1048		
	MAGNESIUM* lb/A	176	100	134		
BASE SATURATION PERCENT	ppm	88	50	67		
	POTASSIUM* lb/A	162	72	92		
	ppm	81	36	46		
	SODIUM* lb/A	60	44	54		
	ppm	30	22	27		
BASE SATURATION PERCENT						
	Calcium %	85.01	79.24	63.59		
	Magnesium %	7.38	5.75	6.78		
	Potassium %	2.09	1.27	1.43		
	Sodium %	1.31	1.32	1.42		
	Other Bases %	4.20	4.90	5.80		
	Hydrogen %	0.00	7.50	21.00		
EXTRACTABLE MINORS						
	Boron* (ppm)	0.70	0.51	0.54		
	Iron* (ppm)	266	398	335		
	Manganese* (ppm)	9	5	3		
	Copper* (ppm)	1.55	1.07	1.17		
	Zinc* (ppm)	4.36	5.17	12.36		
	Aluminum* (ppm)	482	337	713		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	1.8	1.6	1.6		
	NH ₄ -N (ppm)	2.8	3.3	2.9		

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