

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

74738-18

Name Jumping Brook Country Club City Neptune State NJ

Independent Consultant Soil and Water Consulting Date 5/3/2021

Sample Location	TEE	6	14	18		
Sample Identification						
Lab Number		0255-1	0256-1	0257-1		
Total Exchange Capacity (ME/100 g)		3.12	6.03	5.64		
pH	Buffer (SMP/Sikora)	7.4	7.4	7.2		
	H ₂ O (1:1)	7.0	6.9	5.8		
Organic Matter (360°C LOI) %		1.54	2.87	3.36		
Estimated Nitrogen Release	lb/A	51	77	84		
ANIONS	SOLUBLE SULFUR*					
	ppm	7	13	22		
	MEHLICH III lb/A P as P ₂ O ₅	609	724	834		
	ppm of P	133	158	182		
	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	954	1850	1292		
	ppm	477	925	646		
	MAGNESIUM* lb/A	88	170	142		
BASE SATURATION PERCENT	ppm	44	85	71		
	POTASSIUM* lb/A	102	186	160		
	ppm	51	93	80		
	SODIUM* lb/A	46	44	46		
	ppm	23	22	23		
BASE SATURATION PERCENT						
	Calcium %	76.44	76.70	57.27		
	Magnesium %	11.75	11.75	10.49		
	Potassium %	4.19	3.95	3.64		
	Sodium %	3.21	1.59	1.77		
	Other Bases %	4.40	4.50	5.80		
	Hydrogen %	0.00	1.50	21.00		
EXTRACTABLE MINORS						
	Boron* (ppm)	0.37	0.50	0.48		
	Iron* (ppm)	190	208	376		
	Manganese* (ppm)	13	30	17		
	Copper* (ppm)	0.69	1.18	1.26		
	Zinc* (ppm)	4.59	3.89	5.35		
	Aluminum* (ppm)	223	459	379		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	5.5	4.1	6.0		
	NH ₄ -N (ppm)	1.4	1.8	1.3		

* Mehlich III Extractable

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Sample Location	FAIRWAY	6	14	18		
Sample Identification						
Lab Number		0258-1	0259-1	0260-1		
Total Exchange Capacity (ME/100 g)		3.86	7.01	5.68		
pH	Buffer (SMP/Sikora)	7.4	7.3	7.4		
	H ₂ O (1:1)	6.6	6.3	6.7		
Organic Matter (360°C LOI) %		3.20	4.75	3.94		
Estimated Nitrogen Release	lb/A	82	98	89		
ANIONS	SOLUBLE SULFUR*					
	ppm	12	16	43		
	MEHLICH III lb/A P as P ₂ O ₅	495	417	554		
	ppm of P	108	91	121		
	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	1104	1896	1710		
	ppm	552	948	855		
	MAGNESIUM* lb/A	98	178	148		
BASE SATURATION PERCENT	ppm	49	89	74		
	POTASSIUM* lb/A	146	246	132		
	ppm	73	123	66		
	SODIUM* lb/A	40	54	46		
	ppm	20	27	23		
BASE SATURATION PERCENT						
	Calcium %	71.50	67.62	75.26		
	Magnesium %	10.58	10.58	10.86		
	Potassium %	4.85	4.50	2.98		
	Sodium %	2.25	1.67	1.76		
	Other Bases %	4.80	5.10	4.70		
	Hydrogen %	6.00	10.50	4.50		
EXTRACTABLE MINORS						
	Boron* (ppm)	0.29	0.48	0.56		
	Iron* (ppm)	190	329	376		
	Manganese* (ppm)	4	5	3		
	Copper* (ppm)	0.70	1.19	1.12		
	Zinc* (ppm)	1.77	2.28	5.32		
	Aluminum* (ppm)	393	766	382		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	5.4	6.2	4.7		
	NH ₄ -N (ppm)	2.6	2.5	2.1		

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Sample Location	GREEN	6	14	18		
Sample Identification						
Lab Number		0261-1	0262-1	0263-1		
Total Exchange Capacity (ME/100 g)		11.19	8.17	9.33		
pH	Buffer (SMP/Sikora)	7.3	7.4	7.3		
	H ₂ O (1:1)	6.5	6.6	6.4		
Organic Matter (360°C LOI) %		3.72	3.97	3.88		
Estimated Nitrogen Release	lb/A	87	90	89		
ANIONS	SOLUBLE SULFUR*					
	ppm	20	18	18		
	MEHLICH III lb/A P as P ₂ O ₅	1305	1159	1214		
	ppm of P	285	253	265		
	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	3316	2450	2746	
	ppm		1658	1225	1373	
	MAGNESIUM*	lb/A	230	178	170	
	ppm		115	89	85	
	POTASSIUM*	lb/A	306	238	260	
	ppm		153	119	130	
	SODIUM*	lb/A	74	52	52	
	ppm		37	26	26	
BASE SATURATION PERCENT						
	Calcium %	74.08	74.97	73.58		
	Magnesium %	8.56	9.08	7.59		
	Potassium %	3.51	3.73	3.57		
	Sodium %	1.44	1.38	1.21		
	Other Bases %	4.90	4.80	5.00		
	Hydrogen %	7.50	6.00	9.00		
EXTRACTABLE MINORS						
	Boron* (ppm)	0.60	0.67	0.57		
	Iron* (ppm)	343	376	365		
	Manganese* (ppm)	16	11	11		
	Copper* (ppm)	2.78	1.90	2.00		
	Zinc* (ppm)	31.24	38.91	20.56		
	Aluminum* (ppm)	452	393	458		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	4.3	4.2	3.3		
	NH ₄ -N (ppm)	1.4	1.7	1.8		

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