

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Jumping Brook Country Club City Neptune State NJ

Independent Consultant Soil and Water Consulting Date 04/28/2020

Sample Location	TEE	3	4	7		
Sample Identification						
Lab Number		0917-1	0918-1	0919-1		
Total Exchange Capacity (ME/100 g)		3.70	8.32	4.07		
pH	Buffer (SMP/Sikora)	7.4	7.3	7.4		
	H ₂ O (1:1)	6.8	6.6	6.8		
Organic Matter (360°C LOI) %		1.15	4.21	1.11		
Estimated Nitrogen Release	lb/A	43	92	42		
ANIONS	SOLUBLE SULFUR*					
	ppm	24	28	30		
	MEHLICH III lb/A P as P ₂ O ₅	1452	522	316		
	ppm of P	317	114	69		
	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	1072	2412	1104		
	ppm	536	1206	552		
	MAGNESIUM* lb/A	108	250	146		
	ppm	54	125	73		
	POTASSIUM* lb/A	144	186	194		
	ppm	72	93	97		
	SODIUM* lb/A	46	52	64		
	ppm	23	26	32		
BASE SATURATION PERCENT						
Calcium	%	72.43	72.48	67.81		
Magnesium	%	12.16	12.52	14.95		
Potassium	%	4.99	2.87	6.11		
Sodium	%	2.70	1.36	3.42		
Other Bases	%	4.60	4.80	4.60		
Hydrogen	%	3.00	6.00	3.00		
EXTRACTABLE MINORS						
Boron* (ppm)		0.34	0.43	0.31		
Iron* (ppm)		520	296	178		
Manganese* (ppm)		15	13	25		
Copper* (ppm)		4.66	1.62	0.84		
Zinc* (ppm)		14.31	7.05	2.51		
Aluminum* (ppm)		318	470	454		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	2.3	2.4	0.6		
	NH ₄ -N (ppm)	6.0	5.5	1.1		

* Mehlich III Extractable

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Sample Location <u>FAIRWAY</u>		3	4	7		
Sample Identification						
Lab Number		0920-1	0921-1	0922-1		
Total Exchange Capacity (ME/100 g)		6.61	7.10	14.19		
pH	Buffer (SMP/Sikora)	7.3	7.2	6.6		
	H ₂ O (1:1)	6.6	6.4	5.5		
Organic Matter (360°C LOI) %		3.44	4.94	9.47		
Estimated Nitrogen Release lb/A		84	99	122		
ANIONS	SOLUBLE SULFUR*	ppm	18	48	21	
	PHOSPHORUS	MEHLICH III lb/A P as P ₂ O ₅ ppm of P	550	582	527	
			120	127	115	
	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	1910	1942	2782	
		ppm	955	971	1391	
	MAGNESIUM*	lb/A	206	216	350	
		ppm	103	108	175	
	POTASSIUM*	lb/A	114	170	298	
		ppm	57	85	149	
	SODIUM*	lb/A	52	62	106	
		ppm	26	31	53	
BASE SATURATION PERCENT						
Calcium %		72.24	68.38	49.01		
Magnesium %		12.99	12.68	10.28		
Potassium %		2.21	3.07	2.69		
Sodium %		1.71	1.90	1.62		
Other Bases %		4.80	5.00	6.40		
Hydrogen %		6.00	9.00	30.00		
EXTRACTABLE MINORS						
Boron* (ppm)		0.26	0.40	0.34		
Iron* (ppm)		360	407	457		
Manganese* (ppm)		6	5	5		
Copper* (ppm)		1.42	1.90	1.31		
Zinc* (ppm)		6.31	11.69	11.03		
Aluminum* (ppm)		498	630	839		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	0.9	2.4	1.9		
	NH ₄ -N (ppm)	2.9	2.0	1.3		

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Sample Location <u>GREEN</u>		3	4	7		
Sample Identification						
Lab Number		0923-1	0924-1	0925-1		
Total Exchange Capacity (ME/100 g)		9.51	8.37	10.76		
pH	Buffer (SMP/Sikora)	7.3	7.3	7.2		
	H ₂ O (1:1)	6.3	6.6	6.4		
Organic Matter (360°C LOI) %		4.24	3.35	4.28		
Estimated Nitrogen Release lb/A		92	84	93		
ANIONS	SOLUBLE SULFUR*	ppm	25	23	28	
	PHOSPHORUS	MEHLICH III lb/A P as P ₂ O ₅ ppm of P	1218	1163	1195	
			266	254	261	
		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	2578	2414	2978	
		ppm	1289	1207	1489	
	MAGNESIUM*	lb/A	258	228	296	
		ppm	129	114	148	
	POTASSIUM*	lb/A	292	274	334	
		ppm	146	137	167	
	SODIUM*	lb/A	62	58	66	
		ppm	31	29	33	
BASE SATURATION PERCENT						
	Calcium	%	67.77	72.10	69.19	
	Magnesium	%	11.30	11.35	11.46	
	Potassium	%	3.94	4.20	3.98	
	Sodium	%	1.42	1.51	1.33	
	Other Bases	%	5.10	4.80	5.00	
	Hydrogen	%	10.50	6.00	9.00	
EXTRACTABLE MINORS						
	Boron* (ppm)		0.47	0.48	0.55	
	Iron* (ppm)		299	358	334	
	Manganese* (ppm)		13	14	15	
	Copper* (ppm)		2.10	2.66	2.35	
	Zinc* (ppm)		56.51	27.45	31.52	
	Aluminum* (ppm)		393	393	480	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		0.6	1.2	1.5	
	NH ₄ -N (ppm)		< 0.5	1.5	< 0.5	

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