

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

74738-17

Name Jumping Brook Country Club City Neptune State NJ

Independent Consultant Soil and Water Consulting Date 9/21/2020

Sample Location	TEE	11	13	15		
Sample Identification						
Lab Number		0647-1	0648-1	0649-1		
Total Exchange Capacity (ME/100 g)		6.11	5.43	5.30		
pH	Buffer (SMP/Sikora)	7.4	NA	7.1		
	H ₂ O (1:1)	6.7	7.1	6.2		
Organic Matter (360°C LOI) %		2.14	2.09	1.64		
Estimated Nitrogen Release	lb/A	63	62	53		
ANIONS	SOLUBLE SULFUR*					
	ppm	14	15	18		
	MEHLICH III lb/A P as P ₂ O ₅	747	637	673		
	ppm of P	163	139	147		
	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	1802	1574	1360		
	ppm	901	787	680		
	MAGNESIUM* lb/A	154	178	136		
BASE SATURATION PERCENT	ppm	77	89	68		
	POTASSIUM* lb/A	186	262	196		
	ppm	93	131	98		
	SODIUM* lb/A	74	86	78		
	ppm	37	43	39		
BASE SATURATION PERCENT						
	Calcium %	73.73	72.47	64.15		
	Magnesium %	10.50	13.66	10.69		
	Potassium %	3.90	6.19	4.74		
	Sodium %	2.63	3.44	3.20		
	Other Bases %	4.70	4.30	5.20		
	Hydrogen %	4.50	0.00	12.00		
EXTRACTABLE MINORS						
	Boron* (ppm)	0.53	0.57	0.48		
	Iron* (ppm)	347	357	433		
	Manganese* (ppm)	16	41	29		
	Copper* (ppm)	2.09	2.15	1.60		
	Zinc* (ppm)	6.87	8.62	3.51		
	Aluminum* (ppm)	294	382	355		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	6.4	4.5	4.0		
	NH ₄ -N (ppm)	1.6	1.1	1.7		

* Mehlich III Extractable

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Sample Location	FAIRWAY	LOWER 8	13	17		
Sample Identification						
Lab Number		0650-1	0651-1	0652-1		
Total Exchange Capacity (ME/100 g)		8.41	6.44	9.40		
pH	Buffer (SMP/Sikora)	7.2	7.2	7.3		
	H ₂ O (1:1)	6.5	6.1	6.5		
Organic Matter (360°C LOI) %		4.99	3.72	3.92		
Estimated Nitrogen Release	lb/A	100	87	89		
ANIONS	SOLUBLE SULFUR*					
	ppm	26	21	22		
	MEHLICH III lb/A P as P ₂ O ₅	403	985	673		
	ppm of P	88	215	147		
	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	2488	1656	2672	
	ppm		1244	828	1336	
	MAGNESIUM*	lb/A	186	126	244	
	ppm		93	63	122	
	POTASSIUM*	lb/A	162	308	270	
	ppm		81	154	135	
	SODIUM*	lb/A	76	80	88	
	ppm		38	40	44	
BASE SATURATION PERCENT						
	Calcium %		73.96	64.29	71.06	
	Magnesium %		9.22	8.15	10.82	
	Potassium %		2.47	6.13	3.68	
	Sodium %		1.96	2.70	2.04	
	Other Bases %		4.90	5.20	4.90	
	Hydrogen %		7.50	13.50	7.50	
EXTRACTABLE MINORS						
	Boron* (ppm)		0.52	0.42	0.61	
	Iron* (ppm)		333	378	416	
	Manganese* (ppm)		5	19	8	
	Copper* (ppm)		1.60	3.27	1.45	
	Zinc* (ppm)		5.32	8.35	8.56	
	Aluminum* (ppm)		509	754	357	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		4.3	3.4	14.9	
	NH ₄ -N (ppm)		2.0	2.5	3.7	

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Sample Location	GREEN	11	13	15		
Sample Identification						
Lab Number		0653-1	0654-1	0655-1		
Total Exchange Capacity (ME/100 g)		10.08	11.00	8.91		
pH	Buffer (SMP/Sikora)	7.3	7.3	7.4		
	H ₂ O (1:1)	6.4	6.3	6.6		
Organic Matter (360°C LOI) %		3.04	3.26	2.85		
Estimated Nitrogen Release	lb/A	80	83	77		
ANIONS	SOLUBLE SULFUR*					
	ppm	21	23	22		
	MEHLICH III lb/A P as P ₂ O ₅	1456	1498	1319		
	ppm of P	318	327	288		
	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	2946	3140	2678	
	ppm		1473	1570	1339	
	MAGNESIUM*	lb/A	186	204	190	
	ppm		93	102	95	
	POTASSIUM*	lb/A	274	302	242	
	ppm		137	151	121	
	SODIUM*	lb/A	80	90	68	
	ppm		40	45	34	
BASE SATURATION PERCENT						
	Calcium %	73.07	71.36	75.14		
	Magnesium %	7.69	7.73	8.89		
	Potassium %	3.48	3.52	3.48		
	Sodium %	1.73	1.78	1.66		
	Other Bases %	5.00	5.10	4.80		
	Hydrogen %	9.00	10.50	6.00		
EXTRACTABLE MINORS						
	Boron* (ppm)	0.61	0.67	0.53		
	Iron* (ppm)	352	417	322		
	Manganese* (ppm)	15	15	13		
	Copper* (ppm)	2.23	2.20	2.00		
	Zinc* (ppm)	14.96	19.83	33.99		
	Aluminum* (ppm)	428	442	320		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	2.6	2.9	3.1		
	NH ₄ -N (ppm)	< 0.5	1.0	0.8		

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