

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

74738-19

Name Jumping Brook Country Club City Neptune State NJ

Independent Consultant Soil and Water Consulting Date 8/24/2021

Sample Location			GREEN	5	13	14	16	5
Sample Identification				2 " DEPTH	2 " DEPTH	2 " DEPTH	2 " DEPTH	6 "
Lab Number				0144-1	0145-1	0146-1	0147-1	0148-1
Total Exchange Capacity (ME/100 g)				4.28	4.51	4.83	4.25	10.76
pH	Buffer (SMP/Sikora)			7.3	7.4	7.4	7.4	7.3
	H ₂ O (1:1)			6.2	6.1	6.2	6.0	6.5
Organic Matter (360°C LOI) %				2.34	2.21	2.21	2.56	3.74
Estimated Nitrogen Release lb/A				67	64	64	71	87
ANIONS	SOLUBLE SULFUR*							
			ppm	10	10	12	11	15
	PHOSPHORUS	MEHLICH III	lb/A P as P ₂ O ₅	490	627	710	545	1484
			ppm of P	107	137	155	119	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*			1060	1136	1248	1014	3164
			ppm	530	568	624	507	1582
	MAGNESIUM*			94	102	106	100	242
			ppm	47	51	53	50	121
	POTASSIUM*			312	224	258	250	294
			ppm	156	112	129	125	147
	SODIUM*			48	52	50	50	60
			ppm	24	26	25	25	30
BASE SATURATION PERCENT								
Calcium %				61.92	62.97	64.60	59.65	73.51
Magnesium %				9.15	9.42	9.14	9.80	9.37
Potassium %				9.35	6.37	6.85	7.54	3.50
Sodium %				2.44	2.51	2.25	2.56	1.21
Other Bases %				5.20	5.20	5.20	5.40	4.90
Hydrogen %				12.00	13.50	12.00	15.00	7.50
EXTRACTABLE MINORS								
Boron* (ppm)				0.31	0.34	0.34	0.29	0.66
Iron* (ppm)				131	184	235	183	451
Manganese* (ppm)				66	93	58	73	21
Copper* (ppm)				1.18	1.64	1.60	1.12	2.78
Zinc* (ppm)				8.06	11.70	11.31	9.34	44.46
Aluminum* (ppm)				133	168	178	153	425
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							
	NO ₃ -N (ppm)			3.4	3.1	3.1	3.2	5.5
	NH ₄ -N (ppm)			4.0	4.8	2.1	9.1	1.3

* Mehlich III Extractable