

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

78813-4

Name Randall's Island Park Alliance City New York State NY

Independent Consultant Soil and Water Consulting Date 6/14/2024

Sample Location	BRONX SHORE	FIELDS				
Sample Identification						
Lab Number		0792-1				
Total Exchange Capacity (ME/100 g)		12.32				
pH	Buffer (SMP/Sikora)	7.3				
	H ₂ O (1:1)	6.7				
Organic Matter (360°C LOI) %		5.24				
Estimated Nitrogen Release	lb/A	101				
ANIONS	SOLUBLE SULFUR*					
	ppm	19				
	MEHLICH III lb/A P as P ₂ O ₅	1003				
	ppm of P	219				
	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	3500				
	ppm	1750				
	MAGNESIUM* lb/A	440				
	ppm	220				
	POTASSIUM* lb/A	306				
	ppm	153				
	SODIUM* lb/A	96				
	ppm	48				
BASE SATURATION PERCENT						
	Calcium %	71.02				
	Magnesium %	14.88				
	Potassium %	3.18				
	Sodium %	1.69				
	Other Bases %	4.70				
	Hydrogen %	4.50				
EXTRACTABLE MINORS						
	Boron* (ppm)	0.83				
	Iron* (ppm)	348				
	Manganese* (ppm)	16				
	Copper* (ppm)	5.43				
	Zinc* (ppm)	11.30				
	Aluminum* (ppm)	904				
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	6.4				
	NH ₄ -N (ppm)	1.8				

* Mehlich III Extractable

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

78813-4

Name Randall's Island Park Alliance City New York State NY

Independent Consultant Soil and Water Consulting Date 6/14/2024

Sample Location		CENTRAL FIELDS					
Sample Identification							
Lab Number		0793-1					
Total Exchange Capacity (ME/100 g)		4.36					
pH	Buffer (SMP/Sikora)	7.3					
	H ₂ O (1:1)	6.1					
Organic Matter (360°C LOI) %		1.91					
Estimated Nitrogen Release lb/A		58					
ANIONS	SOLUBLE SULFUR*						
	PHOSPHORUS	ppm	14				
		MEHLICH III lb/A P as P ₂ O ₅	1305				
		ppm of P	285				
		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	1022			
			ppm	511			
	MAGNESIUM*		lb/A	186			
			ppm	93			
	POTASSIUM*		lb/A	92			
			ppm	46			
	SODIUM*		lb/A	44			
			ppm	22			
BASE SATURATION PERCENT							
Calcium %			58.60				
Magnesium %			17.78				
Potassium %			2.71				
Sodium %			2.19				
Other Bases %			5.20				
Hydrogen %			13.50				
EXTRACTABLE MINORS							
Boron* (ppm)			0.75				
Iron* (ppm)			542				
Manganese* (ppm)			13				
Copper* (ppm)			3.93				
Zinc* (ppm)			11.94				
Aluminum* (ppm)			451				
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)			2.6			
	NH ₄ -N (ppm)			< 0.5			

* Mehlich III Extractable

lb/A

BROOKSIDE LABORATORIES, INC.

78813-4

SOIL AUDIT AND INVENTORY REPORT

Name Randall's Island Park Alliance City New York State NYIndependent Consultant Soil and Water Consulting Date 6/14/2024

Sample Location		HARLEM RIVER	EVENTS					
Sample Identification			AREA					
Lab Number			0794-1					
Total Exchange Capacity (ME/100 g)			10.97					
pH	Buffer (SMP/Sikora)		7.4					
	H ₂ O (1:1)		7.0					
Organic Matter (360°C LOI) %			4.19					
Estimated Nitrogen Release		lb/A	92					
ANIONS	SOLUBLE SULFUR*							
	PHOSPHORUS	ppm	16					
		MEHLICH III	lb/A P as P ₂ O ₅	1186				
			ppm of P	259				
		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	3250				
		ppm	1625					
	MAGNESIUM*		lb/A	432				
		ppm	216					
	POTASSIUM*		lb/A	312				
		ppm	156					
	SODIUM*		lb/A	76				
		ppm	38					
BASE SATURATION PERCENT								
Calcium		%	74.07					
Magnesium		%	16.41					
Potassium		%	3.65					
Sodium		%	1.51					
Other Bases		%	4.40					
Hydrogen		%	0.00					
EXTRACTABLE MINORS								
Boron* (ppm)			0.67					
Iron* (ppm)			312					
Manganese* (ppm)			30					
Copper* (ppm)			10.51					
Zinc* (ppm)			10.10					
Aluminum* (ppm)			958					
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							
	NO ₃ -N (ppm)			4.6				
	NH ₄ -N (ppm)			< 0.5				

* Mehlich III Extractable

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

78813-4

Name Randall's Island Park Alliance City New York State NY

Independent Consultant Soil and Water Consulting Date 6/14/2024

Sample Location	HELL GATE	FIELDS				
Sample Identification		#62?				
Lab Number		0795-1				
Total Exchange Capacity (ME/100 g)		4.72				
pH	Buffer (SMP/Sikora)	7.4				
	H ₂ O (1:1)	6.1				
Organic Matter (360°C LOI) %		1.48				
Estimated Nitrogen Release	lb/A	50				
ANIONS	SOLUBLE SULFUR*					
	ppm	24				
	MEHLICH III lb/A P as P ₂ O ₅	1369				
	ppm of P	299				
	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				
	ppm	536				
	MAGNESIUM* lb/A	212				
	ppm	106				
	POTASSIUM* lb/A	136				
	ppm	68				
	SODIUM* lb/A	44				
	ppm	22				
BASE SATURATION PERCENT						
	Calcium %	56.78				
	Magnesium %	18.71				
	Potassium %	3.69				
	Sodium %	2.03				
	Other Bases %	5.20				
	Hydrogen %	13.50				
EXTRACTABLE MINORS						
	Boron* (ppm)	0.84				
	Iron* (ppm)	597				
	Manganese* (ppm)	8				
	Copper* (ppm)	3.25				
	Zinc* (ppm)	15.73				
	Aluminum* (ppm)	462				
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	< 0.5				
	NH ₄ -N (ppm)	0.6				

* Mehlich III Extractable

lb/A

BROOKSIDE LABORATORIES, INC.

78813-4

SOIL AUDIT AND INVENTORY REPORT

Name Randall's Island Park Alliance City New York State NYIndependent Consultant Soil and Water Consulting Date 6/14/2024

Sample Location		SUNKEN MEADOWS	FIELD				
Sample Identification							
Lab Number		0796-1					
Total Exchange Capacity (ME/100 g)		2.48					
pH	Buffer (SMP/Sikora)	7.5					
	H ₂ O (1:1)	6.2					
Organic Matter (360°C LOI) %		0.78					
Estimated Nitrogen Release		lb/A	31				
ANIONS	SOLUBLE SULFUR*						
	PHOSPHORUS	ppm	10				
		MEHLICH III	lb/A P as P ₂ O ₅	655			
			ppm of P	143			
		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	624			
		ppm	312				
	MAGNESIUM*		lb/A	82			
		ppm	41				
	POTASSIUM*		lb/A	46			
		ppm	23				
	SODIUM*		lb/A	44			
		ppm	22				
BASE SATURATION PERCENT							
Calcium		%	62.90				
Magnesium		%	13.78				
Potassium		%	2.38				
Sodium		%	3.86				
Other Bases		%	5.20				
Hydrogen		%	12.00				
EXTRACTABLE MINORS							
Boron* (ppm)			0.59				
Iron* (ppm)			353				
Manganese* (ppm)			10				
Copper* (ppm)			4.43				
Zinc* (ppm)			8.50				
Aluminum* (ppm)			300				
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)			0.6			
	NH ₄ -N (ppm)			< 0.5			

* Mehlich III Extractable

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

78813-4

Name Randall's Island Park Alliance City New York State NY

Independent Consultant Soil and Water Consulting Date 6/14/2024

Sample Location	ICHAN STADIUM	FIELD				
Sample Identification						
Lab Number		0797-1				
Total Exchange Capacity (ME/100 g)		3.39				
pH	Buffer (SMP/Sikora)	7.5				
	H ₂ O (1:1)	6.0				
Organic Matter (360°C LOI) %		0.73				
Estimated Nitrogen Release	lb/A	29				
ANIONS	SOLUBLE SULFUR*					
	ppm	19				
	MEHLICH III lb/A P as P ₂ O ₅	298				
	ppm of P	65				
	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	860				
	ppm	430				
	MAGNESIUM* lb/A	66				
	ppm	33				
	POTASSIUM* lb/A	146				
	ppm	73				
	SODIUM* lb/A	40				
	ppm	20				
BASE SATURATION PERCENT						
	Calcium %	63.42				
	Magnesium %	8.11				
	Potassium %	5.52				
	Sodium %	2.57				
	Other Bases %	5.40				
	Hydrogen %	15.00				
EXTRACTABLE MINORS						
	Boron* (ppm)	0.59				
	Iron* (ppm)	153				
	Manganese* (ppm)	6				
	Copper* (ppm)	1.38				
	Zinc* (ppm)	6.38				
	Aluminum* (ppm)	216				
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	< 0.5				
	NH ₄ -N (ppm)	< 0.5				

* Mehlich III Extractable