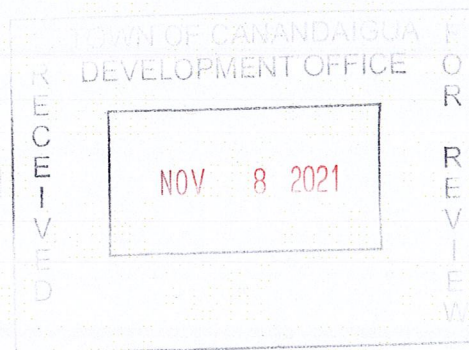


Tax Map ID: 84.00-1-26.120

Soil Analysis Report

SOIL COMPOSITION SUMMARY:

Soil Type:	Percent of Parcel:	Acres
Odessa silt loam, 0 to 3 percent slopes	55.6%	5.140
Palmyra gravelly sandy loam, 3 to 8 percent slopes	6.8%	0.630
Schoharie silty clay loam, 0 to 3 percent slopes	11.5%	1.060
Water	2.5%	0.240
Wayland silt loam, 0 to 3 percent slopes	23.6%	2.180



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Report Created:

9/01/2021

SOIL DESCRIPTION: Odessa silt loam, 0 to 3 percent slopes

Parent Material: reddish clayey and silty glaciolacustrine deposits

Drainage Condition: Somewhat poorly drained **Hydric Classification:** Partially Hydric

Permeability: Moderately Low **Erodibility:** Very High

Farmland Importance: Prime farmland if drained **Hydrologic Soil Group:** C/D

Depth to Water Table (cm): 38.000 **Tolerable Soil Loss (tons/acre/year):** 5.00

Building Site Development

Corrosion of Concrete Risk: Low

Corrosion of Steel Risk: High

Dwellings With Basements: Very limited

Dwellings Without Basements: Very limited

Lawns, Landscaping, Golf: Somewhat limited

Local Roads and Streets: Very limited

Shallow Excavations: Very limited

Unpaved Roads and Streets: Very limited

Small Commercial Buildings: Very limited

Construction Materials

Gravel Source: Improbable

Road Fill Source: Poor

Sand Source: Improbable

Reclamation Material: Poor

Topsoil Source: Poor

Disaster Recovery Planning

Catastrophic Mortality, Large Animal Disposal in PIT: Very limited

Catastrophic Mortality, Large Animal Disposal in TRENCH: Very limited

Rubble and Debris Disposal for Large-Scale Event: Severely limited

Composting Medium and Final Cover: Poor

Clay Liner Material Source: Poor

Composting Facility - Subsurface: Very limited

Composting Facility - Surface: Very limited

Land Management

Construction Limitations for Haul Roads and Log Landings: Moderate

Forestland Harvest Equipment Operability: Moderately suited

Soil Rutting Hazard by Forestry Equipment: Severe

Erosion Hazard (Off-Road, Off-Trail): Slight

Erosion Hazard (Road, Trail): Slight

Mechanical Site Prep (Deep): Well suited

Mechanical Site Prep (Surface): Poorly suited

Potential for Damage by Fire: Low

Potential for Seedling Mortality: High

Suitability for Hand Planting: Poorly suited

Suitability for Log Landings: Moderately suited

Suitability for Mechanical Planting: Poorly suited **Suitability for Roads (Natural):** Slight

Ground Penetrating Radar: Unsited

Recreational Development

Camp Areas: Very limited

Off-Road Motorcycle Trails: Somewhat limited

Paths and Trails: Somewhat limited

Picnic Areas: Very limited



Sanitary Facilities

Daily Cover for Landfill:	Very limited	Septic Tanks Absorption Fields:	Very limited
Sanitary Landfill (Area):	Very limited	Sanitary Landfill (Trench):	Very limited
Sewage Lagoons:	Very limited		

Soil Chemical Properties

Calcium Carbonate (CaCO ₃):	11.00	Cation-Exchange Capacity (CEC-7):	16.50
Electrical Conductivity (EC):	0.00	Effective Cation-Ion Exchange Capacity (ECEC):	
pH (1 to 1 Water):	7.60	Gypsum:	0.00
Sodium Adsorption Ratio:	0.00		

Soil Erosion Factors

K Factor, Rock Free:	0.49	Wind Erodibility Group:	6.00
T Factor:	5.00	Wind Erodibility Index:	48.00

Soil Physical Factors

Available Water Supply, 0-25 cm:		5.70	Available Water Supply, 0-50 cm:		9.41
Available Water Supply, 0-100 cm:		16.80	Available Water Supply, 0-150 cm:		24.13
Available Water Capacity:		0.16	Available Water Storage:		27.20
Linear Extensibility:	4.50	Liquid Limit:	51.90	Plasticity Index:	29.10
Percent Sand:	8.40	Percent Clay:	40.70	Percent Silt:	50.90
Organic Matter:	1.34	Surface Texture:	Silt loam		
Bulk Density, One-Third Bar:	1.39	Saturated Hydraulic Conductivity:	0.76		
Water Content, 15 Bar:	23.40	Water Content, One-Third Bar:	33.40		

Soil Qualities and Features

AASHTO Group Classification (Surface):	A-7-6	Frost Action:	High
Depth to a Selected Soil Restrictive Layer:	201.00	Frost-Free Days:	163.00
Depth to Any Soil Restrictive Layer:	201.00	Representative Slope:	2.90

Vegetative Productivity (Yields of Non-Irrigated Crops)

Alfalfa (tons):	0.00	Corn (bu):	95.00	Corn Silage (tons):	16.00
Oats (boxes):	65.00	Grass Hay (tons):		Grass-Legume Hay (tons):	
Pasture (AUM):	6.50	Soybeans (bu):	30.00	Wheat (bu):	
Winter Barley (bu):	0.00			Winter Wheat (bu):	35.00

Forest Productivity (Cubic Feet per Acre per Year)

American Bass:	Eastern White Cedar:	Red Maple:
American Beech:	Eastern White Pine:	Sugar Maple:
Black Cherry:	Northern Red Oak:	Tuliptree:
White Ash:		



Waste Management

Disposal of Wastewater by Irrigation:	Very limited
Disposal of Wastewater by Rapid Infiltration:	Very limited
Land Application of Municipal Sewage Sludge:	Very limited
Manure and Food-Processing Waste:	Very limited
Overland Flow Treatment of Wastewater:	Very limited
Slow Rate Treatment of Wastewater:	Very limited

Water Features

Depth to Water Table: 38.00	Ponding Frequency Class: None
Flooding Freq. Class: None	

Water Management

Embankments, Dikes and Levees:	Very limited
Excavated Ponds (Aquifer-Fed):	Very limited
Irrigation, General:	Somewhat limited
Irrigation, Sprinkler (Close Spaced Drops):	Somewhat limited
Irrigation, Sprinkler (General):	Somewhat limited
Irrigation, Micro (Above Ground):	Not limited
Irrigation, Micro (Subsurface Drip):	Not limited
Irrigation, Surface (Graded):	Somewhat limited
Irrigation, Surface (Level):	Very limited
Pond Reservoir Areas:	Not limited
Storm Water Management - Infiltration (NY):	Most limited
Storm Water Management - Ponds (NY):	Least limited
Storm Water Management - Wetlands (NY):	Somewhat limited



SOIL DESCRIPTION: Palmyra gravelly sandy loam, 3 to 8 percent slopes

Parent Material: loamy over sandy and gravelly glaciofluvial deposits, derived mainly from limestone and

Drainage Condition: Well drained

Hydric Classification: Not Hydric

Permeability: High

Erodibility: Medium

Farmland Importance: All areas are prime farmland

Hydrologic Soil Group: B

Depth to Water Table (cm): 201.000 **Tolerable Soil Loss (tons/acre/year):** 3.00

Building Site Development

Corrosion of Concrete Risk: Moderate

Corrosion of Steel Risk: High

Dwellings With Basements: Not limited

Dwellings Without Basements: Not limited

Lawns, Landscaping, Golf: Somewhat limited

Local Roads and Streets: Somewhat limited

Shallow Excavations: Somewhat limited

Unpaved Roads and Streets: Somewhat limited

Small Commercial Buildings: Somewhat limited

Construction Materials

Gravel Source: Probable

Road Fill Source: Good

Sand Source: Probable

Reclamation Material: Fair

Topsoil Source: Poor

Disaster Recovery Planning

Catastrophic Mortality, Large Animal Disposal in PIT: Very limited

Catastrophic Mortality, Large Animal Disposal in TRENCH: Very limited

Rubble and Debris Disposal for Large-Scale Event: Severely limited

Composting Medium and Final Cover: Poor

Clay Liner Material Source: Poor

Composting Facility - Subsurface: Very limited

Composting Facility - Surface: Very limited

Land Management

Construction Limitations for Haul Roads and Log Landings: Slight

Forestland Harvest Equipment Operability: Well suited

Soil Rutting Hazard by Forestry Equipment: Moderate

Erosion Hazard (Off-Road, Off-Trail): Slight

Erosion Hazard (Road, Trail): Slight

Mechanical Site Prep (Deep): Well suited

Mechanical Site Prep (Surface): Well suited

Potential for Damage by Fire: Low

Potential for Seedling Mortality: Low

Suitability for Hand Planting: Well suited

Suitability for Log Landings: Moderately suited

Suitability for Mechanical Planting: Moderately suited

Suitability for Roads (Natural): Slight

Ground Penetrating Radar: Low penetration

Recreational Development

Camp Areas: Somewhat limited

Off-Road Motorcycle Trails: Somewhat limited

Paths and Trails: Somewhat limited

Picnic Areas: Somewhat limited



Sanitary Facilities

Daily Cover for Landfill:	Very limited	Septic Tanks Absorption Fields:	Somewhat limited
Sanitary Landfill (Area):	Very limited	Sanitary Landfill (Trench):	Very limited
Sewage Lagoons:	Very limited		

Soil Chemical Properties

Calcium Carbonate (CaCO ₃):	14.00	Cation-Exchange Capacity (CEC-7):	4.50
Electrical Conductivity (EC):	0.00	Effective Cation-Ion Exchange Capacity (ECEC):	
pH (1 to 1 Water):	7.60	Gypsum:	0.00
Sodium Adsorption Ratio:	0.00		

Soil Erosion Factors

K Factor, Rock Free:	0.24	Wind Erodibility Group:	5.00
T Factor:	3.00	Wind Erodibility Index:	56.00

Soil Physical Factors

Available Water Supply, 0-25 cm:		3.54	Available Water Supply, 0-50 cm:		6.54
Available Water Supply, 0-100 cm:		9.10	Available Water Supply, 0-150 cm:		10.95
Available Water Capacity:		0.06	Available Water Storage:		11.17
Linear Extensibility:	1.50	Liquid Limit:	11.20	Plasticity Index:	4.80
Percent Sand:	78.90	Percent Clay:	8.40	Percent Silt:	12.70
Organic Matter:	0.74	Surface Texture:	Gravelly sandy loam		
Bulk Density, One-Third Bar:	1.55	Saturated Hydraulic Conductivity:	99.16		
Water Content, 15 Bar:	4.30	Water Content, One-Third Bar:	7.70		

Soil Qualities and Features

AASHTO Group Classification (Surface):	A-2-6	Frost Action:	Moderate
Depth to a Selected Soil Restrictive Layer:	201.00	Frost-Free Days:	163.00
Depth to Any Soil Restrictive Layer:	201.00	Representative Slope:	6.50

Vegetative Productivity (Yields of Non-Irrigated Crops)

Alfalfa (tons):	5.50	Corn (bu):	130.00	Corn Silage (tons):	22.00
Oats (boxes):	85.00	Grass Hay (tons):		Grass-Legume Hay (tons):	
Pasture (AUM):	8.50	Soybeans (bu):	40.00	Wheat (bu):	
Winter Barley (bu):	50.00			Winter Wheat (bu):	50.00

Forest Productivity (Cubic Feet per Acre per Year)

American Bass:	Eastern White Cedar:	Red Maple:
American Beech:	Eastern White Pine:	Sugar Maple:
Black Cherry:	Northern Red Oak:	Tuliptree:
White Ash:		



Waste Management

Disposal of Wastewater by Irrigation:	Very limited
Disposal of Wastewater by Rapid Infiltration:	Very limited
Land Application of Municipal Sewage Sludge:	Very limited
Manure and Food-Processing Waste:	Very limited
Overland Flow Treatment of Wastewater:	Very limited
Slow Rate Treatment of Wastewater:	Very limited

Water Features

Depth to Water Table: 201.00	Ponding Frequency Class: None
Flooding Freq. Class: None	

Water Management

Embankments, Dikes and Levees:	Very limited
Excavated Ponds (Aquifer-Fed):	Very limited
Irrigation, General:	Very limited
Irrigation, Sprinkler (Close Spaced Drops):	Very limited
Irrigation, Sprinkler (General):	Somewhat limited
Irrigation, Micro (Above Ground):	Very limited
Irrigation, Micro (Subsurface Drip):	Very limited
Irrigation, Surface (Graded):	Very limited
Irrigation, Surface (Level):	Very limited
Pond Reservoir Areas:	Very limited
Storm Water Management - Infiltration (NY):	Somewhat limited
Storm Water Management - Ponds (NY):	Somewhat limited
Storm Water Management - Wetlands (NY):	Somewhat limited



SOIL DESCRIPTION: Schoharie silty clay loam, 0 to 3 percent slopes

Parent Material: reddish clayey and silty glaciolacustrine deposits

Drainage Condition: Moderately well drained

Hydric Classification: Not Hydric

Permeability: Moderately High

Erodibility: Very High

Farmland Importance: All areas are prime farmland

Hydrologic Soil Group: C/D

Depth to Water Table (cm): 53.000

Tolerable Soil Loss (tons/acre/year): 5.00

Building Site Development

Corrosion of Concrete Risk: Low

Corrosion of Steel Risk: High

Dwellings With Basements: Very limited

Dwellings Without Basements: Somewhat limited

Lawns, Landscaping, Golf: Somewhat limited

Local Roads and Streets: Very limited

Shallow Excavations: Very limited

Unpaved Roads and Streets: Very limited

Small Commercial Buildings: Somewhat limited

Construction Materials

Gravel Source: Improbable

Road Fill Source: Poor

Sand Source: Improbable

Reclamation Material: Poor

Topsoil Source: Poor

Disaster Recovery Planning

Catastrophic Mortality, Large Animal Disposal in PIT: Very limited

Catastrophic Mortality, Large Animal Disposal in TRENCH: Very limited

Rubble and Debris Disposal for Large-Scale Event: Severely limited

Composting Medium and Final Cover: Poor

Clay Liner Material Source: Poor

Composting Facility - Subsurface: Very limited

Composting Facility - Surface: Very limited

Land Management

Construction Limitations for Haul Roads and Log Landings: Moderate

Forestland Harvest Equipment Operability: Moderately suited

Soil Rutting Hazard by Forestry Equipment: Severe

Erosion Hazard (Off-Road, Off-Trail): Slight

Erosion Hazard (Road, Trail): Slight

Mechanical Site Prep (Deep): Well suited

Mechanical Site Prep (Surface): Poorly suited

Potential for Damage by Fire: Moderate

Potential for Seedling Mortality: Low

Suitability for Hand Planting: Poorly suited

Suitability for Log Landings: Moderately suited

Suitability for Mechanical Planting: Poorly suited

Suitability for Roads (Natural): Slight

Ground Penetrating Radar: Unsited

Recreational Development

Camp Areas: Somewhat limited

Off-Road Motorcycle Trails: Somewhat limited

Paths and Trails: Somewhat limited

Picnic Areas: Somewhat limited



Sanitary Facilities

Daily Cover for Landfill:	Very limited	Septic Tanks Absorption Fields:	Very limited
Sanitary Landfill (Area):	Very limited	Sanitary Landfill (Trench):	Very limited
Sewage Lagoons:	Very limited		

Soil Chemical Properties

Calcium Carbonate (CaCO ₃):	10.00	Cation-Exchange Capacity (CEC-7):	18.30
Electrical Conductivity (EC):	0.00	Effective Cation-Ion Exchange Capacity (ECEC):	
pH (1 to 1 Water):	7.40	Gypsum:	0.00
Sodium Adsorption Ratio:	0.00		

Soil Erosion Factors

K Factor, Rock Free:	0.49	Wind Erodibility Group:	4.00
T Factor:	5.00	Wind Erodibility Index:	86.00

Soil Physical Factors

Available Water Supply, 0-25 cm:		5.22	Available Water Supply, 0-50 cm:		8.58
Available Water Supply, 0-100 cm:		14.67	Available Water Supply, 0-150 cm:		20.31
Available Water Capacity:		0.13	Available Water Storage:		23.54
Linear Extensibility:	4.50	Liquid Limit:	56.00	Plasticity Index:	32.40
Percent Sand:	8.30	Percent Clay:	45.40	Percent Silt:	46.20
Organic Matter:	1.37	Surface Texture:	Silty clay loam		
Bulk Density, One-Third Bar:	1.45	Saturated Hydraulic Conductivity:	1.95		
Water Content, 15 Bar:	25.60	Water Content, One-Third Bar:	34.40		

Soil Qualities and Features

AASHTO Group Classification (Surface):	A-7-6	Frost Action:	Moderate
Depth to a Selected Soil Restrictive Layer:	201.00	Frost-Free Days:	163.00
Depth to Any Soil Restrictive Layer:	201.00	Representative Slope:	2.20

Vegetative Productivity (Yields of Non-Irrigated Crops)

Alfalfa (tons):	5.00	Corn (bu):	140.00	Corn Silage (tons):	24.00
Oats (boxes):	70.00	Grass Hay (tons):		Grass-Legume Hay (tons):	
Pasture (AUM):	7.50	Soybeans (bu):	40.00	Wheat (bu):	
Winter Barley (bu):	45.00			Winter Wheat (bu):	50.00

Forest Productivity (Cubic Feet per Acre per Year)

American Bass:	Eastern White Cedar:	Red Maple:
American Beech:	Eastern White Pine:	Sugar Maple:
Black Cherry:	Northern Red Oak:	Tuliptree:
White Ash:		



Waste Management

Disposal of Wastewater by Irrigation:	Very limited
Disposal of Wastewater by Rapid Infiltration:	Very limited
Land Application of Municipal Sewage Sludge:	Very limited
Manure and Food-Processing Waste:	Very limited
Overland Flow Treatment of Wastewater:	Very limited
Slow Rate Treatment of Wastewater:	Very limited

Water Features

Depth to Water Table:	53.00	Ponding Frequency Class:	None
Flooding Freq. Class:	None		

Water Management

Embankments, Dikes and Levees:	Very limited
Excavated Ponds (Aquifer-Fed):	Very limited
Irrigation, General:	Somewhat limited
Irrigation, Sprinkler (Close Spaced Drops):	Somewhat limited
Irrigation, Sprinkler (General):	Somewhat limited
Irrigation, Micro (Above Ground):	Not limited
Irrigation, Micro (Subsurface Drip):	Not limited
Irrigation, Surface (Graded):	Somewhat limited
Irrigation, Surface (Level):	Very limited
Pond Reservoir Areas:	Not limited
Storm Water Management - Infiltration (NY):	Most limited
Storm Water Management - Ponds (NY):	Least limited
Storm Water Management - Wetlands (NY):	Least limited



SOIL DESCRIPTION: Water**Parent Material:****Drainage Condition:****Hydric Classification:** Unknown Hydric**Permeability:** Not rated**Erodibility:** Unknown**Farmland Importance:** Not prime farmland**Hydrologic Soil Group:****Depth to Water Table (cm):** 201.000 **Tolerable Soil Loss (tons/acre/year):****Building Site Development****Corrosion of Concrete Risk:****Corrosion of Steel Risk:****Dwellings With Basements:** Not rated**Dwellings Without Basements:** Not rated**Lawns, Landscaping, Golf:** Not rated**Local Roads and Streets:** Not rated**Shallow Excavations:** Not rated**Unpaved Roads and Streets:** Not rated**Small Commercial Buildings:** Not rated**Construction Materials****Gravel Source:** Not rated**Road Fill Source:** Not rated**Sand Source:** Not rated**Reclamation Material:** Not rated**Topsoil Source:** Not rated**Disaster Recovery Planning****Catastrophic Mortality, Large Animal Disposal in PIT:** Not rated**Catastrophic Mortality, Large Animal Disposal in TRENCH:** Not rated**Rubble and Debris Disposal for Large-Scale Event:** Not rated**Composting Medium and Final Cover:** Not rated**Clay Liner Material Source:** Not rated**Composting Facility - Subsurface:** Not rated**Composting Facility - Surface:** Not rated**Land Management****Construction Limitations for Haul Roads and Log Landings:** Not rated**Forestland Harvest Equipment Operability:** Not rated**Soil Rutting Hazard by Forestry Equipment:** Not rated**Erosion Hazard (Off-Road, Off-Trail):** Not rated**Erosion Hazard (Road, Trail):** Not rated**Mechanical Site Prep (Deep):** Not rated**Mechanical Site Prep (Surface):** Not rated**Potential for Damage by Fire:** Not rated**Potential for Seedling Mortality:** Not rated**Suitability for Hand Planting:** Not rated**Suitability for Log Landings:** Not rated**Suitability for Mechanical Planting:** Not rated**Suitability for Roads (Natural):** Not rated**Ground Penetrating Radar:** Not rated**Recreational Development****Camp Areas:** Not rated**Off-Road Motorcycle Trails:** Not rated**Paths and Trails:** Not rated**Picnic Areas:** Not rated

Sanitary Facilities

Daily Cover for Landfill:	Not rated	Septic Tanks Absorption Fields:	Not rated
Sanitary Landfill (Area):	Not rated	Sanitary Landfill (Trench):	Not rated
Sewage Lagoons:	Not rated		

Soil Chemical Properties

Calcium Carbonate (CaCO ₃):	Cation-Exchange Capacity (CEC-7):
Electrical Conductivity (EC):	Effective Cation-Ion Exchange Capacity (ECEC):
pH (1 to 1 Water):	Gypsum:
Sodium Adsorption Ratio:	

Soil Erosion Factors

K Factor, Rock Free:	Wind Erodibility Group:
T Factor:	Wind Erodibility Index:

Soil Physical Factors

Available Water Supply, 0-25 cm:	Available Water Supply, 0-50 cm:	
Available Water Supply, 0-100 cm:	Available Water Supply, 0-150 cm:	
Available Water Capacity:	Available Water Storage:	
Linear Extensibility:	Liquid Limit:	Plasticity Index:
Percent Sand:	Percent Clay:	Percent Silt:
Organic Matter:	Surface Texture:	
Bulk Density, One-Third Bar:	Saturated Hydraulic Conductivity:	
Water Content, 15 Bar:	Water Content, One-Third Bar:	

Soil Qualities and Features

AASHTO Group Classification (Surface):	Frost Action:
Depth to a Selected Soil Restrictive Layer: 201.00	Frost-Free Days:
Depth to Any Soil Restrictive Layer: 201.00	Representative Slope:

Vegetative Productivity (Yields of Non-Irrigated Crops)

Alfalfa (tons):	Corn (bu):	Corn Silage (tons):
Oats (boxes):	Grass Hay (tons):	Grass-Legume Hay (tons):
Pasture (AUM):	Soybeans (bu):	Wheat (bu):
Winter Barley (bu):		Winter Wheat (bu):

Forest Productivity (Cubic Feet per Acre per Year)

American Bass:	Eastern White Cedar:	Red Maple:
American Beech:	Eastern White Pine:	Sugar Maple:
Black Cherry:	Northern Red Oak:	Tuliptree:
White Ash:		



Waste Management

Disposal of Wastewater by Irrigation:	Not rated
Disposal of Wastewater by Rapid Infiltration:	Not rated
Land Application of Municipal Sewage Sludge:	Not rated
Manure and Food-Processing Waste:	Not rated
Overland Flow Treatment of Wastewater:	Not rated
Slow Rate Treatment of Wastewater:	Not rated

Water Features

Depth to Water Table: 201.00	Ponding Frequency Class: None
Flooding Freq. Class: None	

Water Management

Embankments, Dikes and Levees:	Not rated
Excavated Ponds (Aquifer-Fed):	Not rated
Irrigation, General:	Not rated
Irrigation, Sprinkler (Close Spaced Drops):	Not Rated
Irrigation, Sprinkler (General):	Not Rated
Irrigation, Micro (Above Ground):	Not Rated
Irrigation, Micro (Subsurface Drip):	Not Rated
Irrigation, Surface (Graded):	Not Rated
Irrigation, Surface (Level):	Not Rated
Pond Reservoir Areas:	Not rated
Storm Water Management - Infiltration (NY):	Not rated
Storm Water Management - Ponds (NY):	Not rated
Storm Water Management - Wetlands (NY):	Not rated



SOIL DESCRIPTION: Wayland silt loam, 0 to 3 percent slopes

Parent Material: silty and clayey alluvium washed from uplands that contain some calcareous drift

Drainage Condition: Poorly drained

Hydric Classification: Partially Hydric

Permeability: High

Erodibility: Very High

Farmland Importance: Not prime farmland

Hydrologic Soil Group: B/D

Depth to Water Table (cm): 0.000

Tolerable Soil Loss (tons/acre/year): 5.00

Building Site Development

Corrosion of Concrete Risk: Low

Corrosion of Steel Risk: Moderate

Dwellings With Basements: Very limited

Dwellings Without Basements: Very limited

Lawns, Landscaping, Golf: Very limited

Local Roads and Streets: Very limited

Shallow Excavations: Very limited

Unpaved Roads and Streets: Very limited

Small Commercial Buildings: Very limited

Construction Materials

Gravel Source: Improbable

Road Fill Source: Poor

Sand Source: Improbable

Reclamation Material: Fair

Topsoil Source: Poor

Disaster Recovery Planning

Catastrophic Mortality, Large Animal Disposal in PIT: Very limited

Catastrophic Mortality, Large Animal Disposal in TRENCH: Very limited

Rubble and Debris Disposal for Large-Scale Event: Severely limited

Composting Medium and Final Cover: Poor

Clay Liner Material Source: Poor

Composting Facility - Subsurface: Very limited

Composting Facility - Surface: Very limited

Land Management

Construction Limitations for Haul Roads and Log Landings: Severe

Forestland Harvest Equipment Operability: Poorly suited

Soil Rutting Hazard by Forestry Equipment: Severe

Erosion Hazard (Off-Road, Off-Trail): Slight

Erosion Hazard (Road, Trail): Slight

Mechanical Site Prep (Deep): Unsited

Mechanical Site Prep (Surface): Poorly suited

Potential for Damage by Fire: Low

Potential for Seedling Mortality: High

Suitability for Hand Planting: Moderately suited

Suitability for Log Landings: Poorly suited

Suitability for Mechanical Planting: Moderately suited

Suitability for Roads (Natural): Slight

Ground Penetrating Radar: Moderate penetration

Recreational Development

Camp Areas: Very limited

Off-Road Motorcycle Trails: Very limited

Paths and Trails: Very limited

Picnic Areas: Very limited



Sanitary Facilities

Daily Cover for Landfill:	Very limited	Septic Tanks Absorption Fields:	Very limited
Sanitary Landfill (Area):	Very limited	Sanitary Landfill (Trench):	Very limited
Sewage Lagoons:	Very limited		

Soil Chemical Properties

Calcium Carbonate (CaCO ₃):	2.00	Cation-Exchange Capacity (CEC-7):	13.60
Electrical Conductivity (EC):	0.00	Effective Cation-Ion Exchange Capacity (ECEC):	
pH (1 to 1 Water):	7.20	Gypsum:	0.00
Sodium Adsorption Ratio:	0.00		

Soil Erosion Factors

K Factor, Rock Free:	0.49	Wind Erodibility Group:	6.00
T Factor:	5.00	Wind Erodibility Index:	48.00

Soil Physical Factors

Available Water Supply, 0-25 cm:		5.99	Available Water Supply, 0-50 cm:		11.38
Available Water Supply, 0-100 cm:		21.78	Available Water Supply, 0-150 cm:		31.46
Available Water Capacity:		0.21	Available Water Storage:		38.02
Linear Extensibility:	2.40	Liquid Limit:	38.80	Plasticity Index:	17.10
Percent Sand:	15.30	Percent Clay:	25.50	Percent Silt:	59.20
Organic Matter:	1.81	Surface Texture:	Silt loam		
Bulk Density, One-Third Bar:	1.42	Saturated Hydraulic Conductivity:	10.00		
Water Content, 15 Bar:	16.70	Water Content, One-Third Bar:	30.80		

Soil Qualities and Features

AASHTO Group Classification (Surface):	A-7-5	Frost Action:	High
Depth to a Selected Soil Restrictive Layer:	201.00	Frost-Free Days:	145.00
Depth to Any Soil Restrictive Layer:	201.00	Representative Slope:	1.00

Vegetative Productivity (Yields of Non-Irrigated Crops)

Alfalfa (tons):	0.00	Corn (bu):	0.00	Corn Silage (tons):	0.00
Oats (boxes):	0.00	Grass Hay (tons):	0.00	Grass-Legume Hay (tons):	0.00
Pasture (AUM):	0.00	Soybeans (bu):		Wheat (bu):	0.00
Winter Barley (bu):				Winter Wheat (bu):	

Forest Productivity (Cubic Feet per Acre per Year)

American Bass:	Eastern White Cedar:	Red Maple:
American Beech:	Eastern White Pine:	Sugar Maple:
Black Cherry:	Northern Red Oak:	Tuliptree:
White Ash:		



Waste Management

Disposal of Wastewater by Irrigation:	Very limited
Disposal of Wastewater by Rapid Infiltration:	Very limited
Land Application of Municipal Sewage Sludge:	Very limited
Manure and Food-Processing Waste:	Very limited
Overland Flow Treatment of Wastewater:	Very limited
Slow Rate Treatment of Wastewater:	Very limited

Water Features

Depth to Water Table:	0.00	Ponding Frequency Class:	None
Flooding Freq. Class:	Frequent		

Water Management

Embankments, Dikes and Levees:	Very limited
Excavated Ponds (Aquifer-Fed):	Somewhat limited
Irrigation, General:	Very limited
Irrigation, Sprinkler (Close Spaced Drops):	Very limited
Irrigation, Sprinkler (General):	Very limited
Irrigation, Micro (Above Ground):	Very limited
Irrigation, Micro (Subsurface Drip):	Very limited
Irrigation, Surface (Graded):	Very limited
Irrigation, Surface (Level):	Very limited
Pond Reservoir Areas:	Somewhat limited
Storm Water Management - Infiltration (NY):	Most limited
Storm Water Management - Ponds (NY):	Most limited
Storm Water Management - Wetlands (NY):	Most limited

