



Tax Map ID: 153.00-1-72.310

Soil Analysis Report

SOIL COMPOSITION SUMMARY:

Soil Type:	Percent of Parcel:	Acres
Danley-Lansing complex, 3 to 8 percent slopes	12.0%	10.240
Darien silt loam, 3 to 8 percent slopes	8.5%	7.240
Darien silt loam, 8 to 15 percent slopes	0.8%	0.690
Howard gravelly loam, 8 to 15 percent slopes	0.0%	0.020
Langford-Erie channery silt loams, 3 to 8 percent slopes	4.5%	3.820
Lansing silt loam, 15 to 25 percent slopes	23.1%	19.600
Lansing silt loam, 25 to 35 percent slopes	6.0%	5.130
Lansing silt loam, 8 to 15 percent slopes	43.8%	37.230
Lyons silt loam, 0 to 3 percent slopes	1.2%	1.020



SOIL DESCRIPTION: Danley-Lansing complex, 3 to 8 percent slopes

Parent Material: loamy till derived predominantly from calcareous gray shale

Drainage Condition: Moderately well drained

Hydric Classification: Not Hydric

Permeability: Moderately High

Erodibility: High

Farmland Importance: All areas are prime farmland

Hydrologic Soil Group: C/D

Depth to Water Table (cm): 51.000

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: Fair

Topsoil Source: Fair

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): Moderate

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): Moderate

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:	Somewhat 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 (CaCO₃):	7.00	Cation-Exchange Capacity (CEC-7):	15.00
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:	0.43	Wind Erodibility Group:	6.00
T Factor:	5.00	Wind Erodibility Index:	48.00

Soil Physical Factors

Available Water Supply, 0-25 cm:		4.33	Available Water Supply, 0-50 cm:		8.33
Available Water Supply, 0-100 cm:		15.54	Available Water Supply, 0-150 cm:		21.74
Available Water Capacity:		0.16	Available Water Storage:		24.58
Linear Extensibility:	1.50	Liquid Limit:	39.50	Plasticity Index:	19.30
Percent Sand:	19.70	Percent Clay:	28.10	Percent Silt:	52.20
Organic Matter:	1.19	Surface Texture:	Silt loam		
Bulk Density, One-Third Bar:		1.52	Saturated Hydraulic Conductivity:		3.05
Water Content, 15 Bar:		15.80	Water Content, One-Third Bar:		27.20

Soil Qualities and Features

AASHTO Group Classification (Surface):	A-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:	5.00

Vegetative Productivity (Yields of Non-Irrigated Crops)

Alfalfa (tons):	5.00	Corn (bu):	120.00	Corn Silage (tons):	20.00
Oats (boxes):	90.00	Grass Hay (tons):	0.00	Grass-Legume Hay (tons):	0.00
Pasture (AUM):	8.00	Soybeans (bu):	35.00	Wheat (bu):	
Winter Barley (bu):	40.00			Winter Wheat (bu):	45.00

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: 51.00	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):	Very limited
Irrigation, Surface (Level):	Very limited
Pond Reservoir Areas:	Somewhat limited
Storm Water Management - Infiltration (NY):	Most limited
Storm Water Management - Ponds (NY):	Least limited
Storm Water Management - Wetlands (NY):	Somewhat limited



SOIL DESCRIPTION: Darien silt loam, 3 to 8 percent slopes

Parent Material: loamy till derived predominantly from calcareous gray shale

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

Permeability: Moderately High **Erodibility:** High

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

Depth to Water Table (cm): 33.000 **Tolerable Soil Loss (tons/acre/year):** 5.00

Building Site Development

Corrosion of Concrete Risk: Moderate	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: Fair
Topsoil Source: Fair	

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): Moderate
Mechanical Site Prep (Deep): Well suited	Mechanical Site Prep (Surface): Well suited
Potential for Damage by Fire: Low	Potential for Seedling Mortality: High
Suitability for Hand Planting: Well suited	Suitability for Log Landings: Moderately suited
Suitability for Mechanical Planting: Moderately suited	Suitability for Roads (Natural): Moderate

Ground Penetrating Radar: Low penetration

Recreational Development

Camp Areas: Very 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 (CaCO₃):	16.00	Cation-Exchange Capacity (CEC-7):	16.20
Electrical Conductivity (EC):	0.00	Effective Cation-Ion Exchange Capacity (ECEC):	5.70
pH (1 to 1 Water):	7.00	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:		5.50	Available Water Supply, 0-50 cm:		9.28
Available Water Supply, 0-100 cm:		14.68	Available Water Supply, 0-150 cm:		19.65
Available Water Capacity:		0.13	Available Water Storage:		19.88
Linear Extensibility:	2.10	Liquid Limit:	40.50	Plasticity Index:	20.00
Percent Sand:	19.30	Percent Clay:	28.80	Percent Silt:	52.00
Organic Matter:	1.42	Surface Texture:	Silt loam		
Bulk Density, One-Third Bar:		1.61	Saturated Hydraulic Conductivity:		2.94
Water Content, 15 Bar:		16.70	Water Content, One-Third Bar:		26.40

Soil Qualities and Features

AASHTO Group Classification (Surface):	A-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:	5.20

Vegetative Productivity (Yields of Non-Irrigated Crops)

Alfalfa (tons):		Corn (bu):	85.00	Corn Silage (tons):	17.00
Oats (boxes):	60.00	Grass Hay (tons):		Grass-Legume Hay (tons):	
Pasture (AUM):	6.50	Soybeans (bu):	30.00	Wheat (bu):	
Winter Barley (bu):	35.00			Winter Wheat (bu):	40.00

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: 33.00	Ponding Frequency Class: None
Flooding Freq. Class: None	

Water Management

Embankments, Dikes and Levees:	Very limited
Excavated Ponds (Aquifer-Fed):	Somewhat limited
Irrigation, General:	Somewhat limited
Irrigation, Sprinkler (Close Spaced Drops):	Very limited
Irrigation, Sprinkler (General):	Somewhat limited
Irrigation, Micro (Above Ground):	Not limited
Irrigation, Micro (Subsurface Drip):	Not 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):	Somewhat limited
Storm Water Management - Wetlands (NY):	Somewhat limited



SOIL DESCRIPTION: Darien silt loam, 8 to 15 percent slopes

Parent Material: loamy till derived predominantly from calcareous gray shale

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

Permeability: Moderately High **Erodibility:** High

Farmland Importance: Farmland of statewide importance **Hydrologic Soil Group:** C/D

Depth to Water Table (cm): 33.000 **Tolerable Soil Loss (tons/acre/year):** 5.00

Building Site Development

Corrosion of Concrete Risk: Moderate	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: Fair
Topsoil Source: Fair	

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): Severe
Mechanical Site Prep (Deep): Well suited	Mechanical Site Prep (Surface): Well suited
Potential for Damage by Fire: Low	Potential for Seedling Mortality: High
Suitability for Hand Planting: Well suited	Suitability for Log Landings: Poorly suited
Suitability for Mechanical Planting: Moderately suited	Suitability for Roads (Natural): Severe

Ground Penetrating Radar: Low penetration

Recreational Development

Camp Areas: Very 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 (CaCO₃):	16.00	Cation-Exchange Capacity (CEC-7):	16.20
Electrical Conductivity (EC):	0.00	Effective Cation-Ion Exchange Capacity (ECEC):	5.70
pH (1 to 1 Water):	7.00	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:		5.50	Available Water Supply, 0-50 cm:		9.28
Available Water Supply, 0-100 cm:		14.68	Available Water Supply, 0-150 cm:		19.65
Available Water Capacity:		0.13	Available Water Storage:		19.88
Linear Extensibility:	2.10	Liquid Limit:	40.50	Plasticity Index:	20.00
Percent Sand:	19.30	Percent Clay:	28.80	Percent Silt:	52.00
Organic Matter:	1.42	Surface Texture:	Silt loam		
Bulk Density, One-Third Bar:	1.61	Saturated Hydraulic Conductivity:	2.94		
Water Content, 15 Bar:	16.70	Water Content, One-Third Bar:	26.40		

Soil Qualities and Features

AASHTO Group Classification (Surface):	A-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:	12.90

Vegetative Productivity (Yields of Non-Irrigated Crops)

Alfalfa (tons):		Corn (bu):	85.00	Corn Silage (tons):	15.00
Oats (boxes):	60.00	Grass Hay (tons):		Grass-Legume Hay (tons):	
Pasture (AUM):	6.50	Soybeans (bu):	30.00	Wheat (bu):	
Winter Barley (bu):	35.00			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: 33.00	Ponding Frequency Class: None
Flooding Freq. Class: None	

Water Management

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



SOIL DESCRIPTION: Howard gravelly loam, 8 to 15 percent slopes

Parent Material: gravelly loamy glaciofluvial deposits over sandy and gravelly glaciofluvial deposits, cor

Drainage Condition: Well drained

Hydric Classification: Not Hydric

Permeability: High

Erodibility: Medium

Farmland Importance: Farmland of statewide importance

Hydrologic Soil Group: A

Depth to Water Table (cm): 201.000 **Tolerable Soil Loss (tons/acre/year):** 4.00

Building Site Development

Corrosion of Concrete Risk: Moderate

Corrosion of Steel Risk: High

Dwellings With Basements: Somewhat limited

Dwellings Without Basements: Somewhat 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: Very 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): Moderate

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): Moderate

Ground Penetrating Radar: Moderate 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 (CaCO₃):	2.00	Cation-Exchange Capacity (CEC-7):	7.60
Electrical Conductivity (EC):	0.00	Effective Cation-Ion Exchange Capacity (ECEC):	
pH (1 to 1 Water):	6.90	Gypsum:	0.00
Sodium Adsorption Ratio:	0.00		

Soil Erosion Factors

K Factor, Rock Free:	0.37	Wind Erodibility Group:	6.00
T Factor:	4.00	Wind Erodibility Index:	48.00

Soil Physical Factors

Available Water Supply, 0-25 cm:		3.89	Available Water Supply, 0-50 cm:		6.88
Available Water Supply, 0-100 cm:		11.29	Available Water Supply, 0-150 cm:		13.34
Available Water Capacity:		0.07	Available Water Storage:		13.63
Linear Extensibility:	1.50	Liquid Limit:	21.00	Plasticity Index:	8.90
Percent Sand:	61.70	Percent Clay:	14.20	Percent Silt:	24.10
Organic Matter:	0.77	Surface Texture:	Gravelly loam		
Bulk Density, One-Third Bar:		1.44	Saturated Hydraulic Conductivity:		89.74
Water Content, 15 Bar:		4.80	Water Content, One-Third Bar:		11.00

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:	10.30

Vegetative Productivity (Yields of Non-Irrigated Crops)

Alfalfa (tons):	5.50	Corn (bu):	110.00	Corn Silage (tons):	19.00
Oats (boxes):	80.00	Grass Hay (tons):		Grass-Legume Hay (tons):	
Pasture (AUM):	8.50	Soybeans (bu):	35.00	Wheat (bu):	
Winter Barley (bu):	40.00			Winter Wheat (bu):	40.00

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):	Somewhat limited
Irrigation, Micro (Subsurface Drip):	Somewhat limited
Irrigation, Surface (Graded):	Very limited
Irrigation, Surface (Level):	Very limited
Pond Reservoir Areas:	Very limited
Storm Water Management - Infiltration (NY):	Most limited
Storm Water Management - Ponds (NY):	Most limited
Storm Water Management - Wetlands (NY):	Most limited



SOIL DESCRIPTION: Langford-Erie channery silt loams, 3 to 8 percent slopes

Parent Material: loamy till derived from siltstone, sandstone, shale, and some limestone

Drainage Condition: Moderately well drained **Hydric Classification:** Not Hydric

Permeability: Moderately High **Erodibility:** Medium

Farmland Importance: Farmland of statewide importance **Hydrologic Soil Group:** C/D

Depth to Water Table (cm): 46.000 **Tolerable Soil Loss (tons/acre/year):** 4.00

Building Site Development

Corrosion of Concrete Risk: Moderate **Corrosion of Steel Risk:** High
Dwellings With Basements: Very limited **Dwellings Without Basements:** Somewhat limited
Lawns, Landscaping, Golf: Somewhat limited **Local Roads and Streets:** Somewhat limited
Shallow Excavations: Very limited **Unpaved Roads and Streets:** Somewhat limited
Small Commercial Buildings: Somewhat limited

Construction Materials

Gravel Source: Improbable **Road Fill Source:** Fair
Sand Source: Improbable **Reclamation Material:** Fair
Topsoil Source: Fair

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):** Moderate
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):** Moderate
Ground Penetrating Radar: Moderate 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:	Somewhat limited	Septic Tanks Absorption Fields:	Somewhat limited
Sanitary Landfill (Area):	Somewhat limited	Sanitary Landfill (Trench):	Very limited
Sewage Lagoons:	Somewhat limited		

Soil Chemical Properties

Calcium Carbonate (CaCO₃):	1.00	Cation-Exchange Capacity (CEC-7):	10.20
Electrical Conductivity (EC):	0.00	Effective Cation-Ion Exchange Capacity (ECEC):	
pH (1 to 1 Water):	6.40	Gypsum:	0.00
Sodium Adsorption Ratio:	0.00		

Soil Erosion Factors

K Factor, Rock Free:	0.49	Wind Erodibility Group:	6.00
T Factor:	4.00	Wind Erodibility Index:	48.00

Soil Physical Factors

Available Water Supply, 0-25 cm:		4.55	Available Water Supply, 0-50 cm:		7.22
Available Water Supply, 0-100 cm:		8.01	Available Water Supply, 0-150 cm:		8.01
Available Water Capacity:		0.05	Available Water Storage:		10.03
Linear Extensibility:	1.50	Liquid Limit:	32.10	Plasticity Index:	12.00
Percent Sand:	35.50	Percent Clay:	19.00	Percent Silt:	45.50
Organic Matter:	1.49	Surface Texture:	Channery silt loam		
Bulk Density, One-Third Bar:	1.66	Saturated Hydraulic Conductivity:	3.28		
Water Content, 15 Bar:	10.60	Water Content, One-Third Bar:	19.50		

Soil Qualities and Features

AASHTO Group Classification (Surface):	A-7-5	Frost Action:	Moderate
Depth to a Selected Soil Restrictive Layer:	201.00	Frost-Free Days:	137.00
Depth to Any Soil Restrictive Layer:	61.00	Representative Slope:	5.00

Vegetative Productivity (Yields of Non-Irrigated Crops)

Alfalfa (tons):	4.50	Corn (bu):	105.00	Corn Silage (tons):	18.00
Oats (boxes):	70.00	Grass Hay (tons):		Grass-Legume Hay (tons):	
Pasture (AUM):	9.00	Soybeans (bu):	40.00	Wheat (bu):	
Winter Barley (bu):	40.00			Winter Wheat (bu):	40.00

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: 46.00	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):	Somewhat limited
Irrigation, Micro (Subsurface Drip):	Somewhat 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):	Least limited
Storm Water Management - Wetlands (NY):	Somewhat limited



SOIL DESCRIPTION: Lansing silt loam, 15 to 25 percent slopes

Parent Material: loamy till derived from shale, limestone, sandstone, and siltstone

Drainage Condition: Well drained

Hydric Classification: Not Hydric

Permeability: Moderately High

Erodibility: High

Farmland Importance: Not prime farmland

Hydrologic Soil Group: B

Depth to Water Table (cm): 201.000 **Tolerable Soil Loss (tons/acre/year):** 5.00

Building Site Development

Corrosion of Concrete Risk: Moderate

Corrosion of Steel Risk: Low

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: Fair

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: Moderate

Forestland Harvest Equipment Operability: Moderately suited

Soil Rutting Hazard by Forestry Equipment: Severe

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

Erosion Hazard (Road, Trail): Severe

Mechanical Site Prep (Deep): Poorly suited

Mechanical Site Prep (Surface): Poorly suited

Potential for Damage by Fire: Low

Potential for Seedling Mortality: Moderate

Suitability for Hand Planting: Well suited

Suitability for Log Landings: Poorly suited

Suitability for Mechanical Planting: Poorly suited

Suitability for Roads (Natural): Severe

Ground Penetrating Radar: Moderate penetration

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 (CaCO₃):	10.00	Cation-Exchange Capacity (CEC-7):	8.20
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:	0.43	Wind Erodibility Group:	5.00
T Factor:	5.00	Wind Erodibility Index:	56.00

Soil Physical Factors

Available Water Supply, 0-25 cm:		3.39	Available Water Supply, 0-50 cm:		7.10
Available Water Supply, 0-100 cm:		14.08	Available Water Supply, 0-150 cm:		19.39
Available Water Capacity:		0.13	Available Water Storage:		25.28
Linear Extensibility:	1.50	Liquid Limit:	26.10	Plasticity Index:	7.10
Percent Sand:	34.70	Percent Clay:	18.80	Percent Silt:	46.50
Organic Matter:	1.15	Surface Texture:	Loam		
Bulk Density, One-Third Bar:		1.51	Saturated Hydraulic Conductivity:		6.33
Water Content, 15 Bar:		7.80	Water Content, One-Third Bar:		17.70

Soil Qualities and Features

AASHTO Group Classification (Surface):	A-4	Frost Action:	Moderate
Depth to a Selected Soil Restrictive Layer:	201.00	Frost-Free Days:	155.00
Depth to Any Soil Restrictive Layer:	201.00	Representative Slope:	20.00

Vegetative Productivity (Yields of Non-Irrigated Crops)

Alfalfa (tons):	5.50	Corn (bu):	0.00	Corn Silage (tons):	0.00
Oats (boxes):	0.00	Grass Hay (tons):		Grass-Legume Hay (tons):	5.00
Pasture (AUM):	8.50	Soybeans (bu):	0.00	Wheat (bu):	
Winter Barley (bu):	0.00			Winter Wheat (bu):	0.00

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



SOIL DESCRIPTION: Lansing silt loam, 25 to 35 percent slopes

Parent Material: loamy till derived from shale, limestone, sandstone, and siltstone

Drainage Condition: Well drained

Hydric Classification: Not Hydric

Permeability: Moderately High

Erodibility: High

Farmland Importance: Not prime farmland

Hydrologic Soil Group: B

Depth to Water Table (cm): 201.000 **Tolerable Soil Loss (tons/acre/year):** 5.00

Building Site Development

Corrosion of Concrete Risk: Moderate

Corrosion of Steel Risk: Low

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: Moderate

Forestland Harvest Equipment Operability: Moderately suited

Soil Rutting Hazard by Forestry Equipment: Severe

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

Erosion Hazard (Road, Trail): Severe

Mechanical Site Prep (Deep): Poorly suited

Mechanical Site Prep (Surface): Poorly suited

Potential for Damage by Fire: Low

Potential for Seedling Mortality: Moderate

Suitability for Hand Planting: Well suited

Suitability for Log Landings: Poorly suited

Suitability for Mechanical Planting: Unsited

Suitability for Roads (Natural): Severe

Ground Penetrating Radar: Moderate penetration

Recreational Development

Camp Areas: Very limited

Off-Road Motorcycle Trails: Somewhat 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 (CaCO₃):	10.00	Cation-Exchange Capacity (CEC-7):	8.20
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:	0.43	Wind Erodibility Group:	5.00
T Factor:	5.00	Wind Erodibility Index:	56.00

Soil Physical Factors

Available Water Supply, 0-25 cm:		3.53	Available Water Supply, 0-50 cm:		7.28
Available Water Supply, 0-100 cm:		14.32	Available Water Supply, 0-150 cm:		19.49
Available Water Capacity:		0.13	Available Water Storage:		25.28
Linear Extensibility:	1.50	Liquid Limit:	26.10	Plasticity Index:	7.10
Percent Sand:	34.70	Percent Clay:	18.80	Percent Silt:	46.50
Organic Matter:	1.15	Surface Texture:	Loam		
Bulk Density, One-Third Bar:		1.51	Saturated Hydraulic Conductivity:		6.33
Water Content, 15 Bar:		7.80	Water Content, One-Third Bar:		17.70

Soil Qualities and Features

AASHTO Group Classification (Surface):	A-4	Frost Action:	Moderate
Depth to a Selected Soil Restrictive Layer:	201.00	Frost-Free Days:	155.00
Depth to Any Soil Restrictive Layer:	201.00	Representative Slope:	30.00

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):		Grass-Legume Hay (tons):	0.00
Pasture (AUM):	8.50	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:	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:	Somewhat limited
Excavated Ponds (Aquifer-Fed):	Very limited
Irrigation, General:	Very limited
Irrigation, Sprinkler (Close Spaced Drops):	Very limited
Irrigation, Sprinkler (General):	Very limited
Irrigation, Micro (Above Ground):	Not limited
Irrigation, Micro (Subsurface Drip):	Not limited
Irrigation, Surface (Graded):	Very limited
Irrigation, Surface (Level):	Very limited
Pond Reservoir Areas:	Very limited
Storm Water Management - Infiltration (NY):	Most limited
Storm Water Management - Ponds (NY):	Most limited
Storm Water Management - Wetlands (NY):	Most limited



SOIL DESCRIPTION: Lansing silt loam, 8 to 15 percent slopes

Parent Material: loamy till derived from shale, limestone, sandstone, and siltstone

Drainage Condition: Well drained

Hydric Classification: Not Hydric

Permeability: Moderately High

Erodibility: High

Farmland Importance: Farmland of statewide importance

Hydrologic Soil Group: B

Depth to Water Table (cm): 201.000 **Tolerable Soil Loss (tons/acre/year):** 5.00

Building Site Development

Corrosion of Concrete Risk: Moderate

Corrosion of Steel Risk: Low

Dwellings With Basements: Somewhat limited

Dwellings Without Basements: Somewhat 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: Very limited

Construction Materials

Gravel Source: Improbable

Road Fill Source: Fair

Sand Source: Improbable

Reclamation Material: Fair

Topsoil Source: Fair

Disaster Recovery Planning

Catastrophic Mortality, Large Animal Disposal in PIT: Somewhat limited

Catastrophic Mortality, Large Animal Disposal in TRENCH: Somewhat limited

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

Composting Medium and Final Cover: Poor

Clay Liner Material Source: Poor

Composting Facility - Subsurface: Somewhat 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): Severe

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): Severe

Ground Penetrating Radar: Moderate penetration

Recreational Development

Camp Areas: Somewhat limited

Off-Road Motorcycle Trails: Somewhat limited





Paths and Trails:

Somewhat limited

Picnic Areas:

Somewhat limited



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Report Created:

9/14/2017

Sanitary Facilities

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

Soil Chemical Properties

Calcium Carbonate (CaCO₃):	10.00	Cation-Exchange Capacity (CEC-7):	8.20
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:	0.43	Wind Erodibility Group:	5.00
T Factor:	5.00	Wind Erodibility Index:	56.00

Soil Physical Factors

Available Water Supply, 0-25 cm:		3.42	Available Water Supply, 0-50 cm:		7.15
Available Water Supply, 0-100 cm:		14.20	Available Water Supply, 0-150 cm:		19.66
Available Water Capacity:		0.13	Available Water Storage:		25.28
Linear Extensibility:	1.50	Liquid Limit:	26.10	Plasticity Index:	7.10
Percent Sand:	34.70	Percent Clay:	18.80	Percent Silt:	46.50
Organic Matter:	1.15	Surface Texture:	Loam		
Bulk Density, One-Third Bar:		1.51	Saturated Hydraulic Conductivity:		6.33
Water Content, 15 Bar:		7.80	Water Content, One-Third Bar:		17.70

Soil Qualities and Features

AASHTO Group Classification (Surface):	A-4	Frost Action:	Moderate
Depth to a Selected Soil Restrictive Layer:	201.00	Frost-Free Days:	155.00
Depth to Any Soil Restrictive Layer:	201.00	Representative Slope:	11.00

Vegetative Productivity (Yields of Non-Irrigated Crops)

Alfalfa (tons):	5.50	Corn (bu):	130.00	Corn Silage (tons):	22.00
Oats (boxes):	95.00	Grass Hay (tons):		Grass-Legume Hay (tons):	5.00
Pasture (AUM):	8.50	Soybeans (bu):	40.00	Wheat (bu):	
Winter Barley (bu):	50.00			Winter Wheat (bu):	55.00

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:	Somewhat limited
Manure and Food-Processing Waste:	Somewhat 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:	Somewhat limited
Excavated Ponds (Aquifer-Fed):	Very limited
Irrigation, General:	Somewhat limited
Irrigation, Sprinkler (Close Spaced Drops):	Very limited
Irrigation, Sprinkler (General):	Somewhat limited
Irrigation, Micro (Above Ground):	Not limited
Irrigation, Micro (Subsurface Drip):	Not 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):	Most limited



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

Parent Material: calcareous loamy till derived from limestone, calcareous shale, and sandstone, with a

Drainage Condition: Poorly drained

Hydric Classification: Partially Hydric

Permeability: Moderately High

Erodibility: High

Farmland Importance: Not prime farmland

Hydrologic Soil Group: C/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: High

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): Well suited

Mechanical Site Prep (Surface): Well suited

Potential for Damage by Fire: Low

Potential for Seedling Mortality: High

Suitability for Hand Planting: Well suited

Suitability for Log Landings: Poorly suited

Suitability for Mechanical Planting: Well suited

Suitability for Roads (Natural): Slight

Ground Penetrating Radar: Low 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 (CaCO₃):	12.00	Cation-Exchange Capacity (CEC-7):	7.30
Electrical Conductivity (EC):	0.00	Effective Cation-Ion Exchange Capacity (ECEC):	
pH (1 to 1 Water):	7.80	Gypsum:	0.00
Sodium Adsorption Ratio:	0.00		

Soil Erosion Factors

K Factor, Rock Free:	0.55	Wind Erodibility Group:	5.00
T Factor:	5.00	Wind Erodibility Index:	56.00

Soil Physical Factors

Available Water Supply, 0-25 cm:		5.55	Available Water Supply, 0-50 cm:		9.83
Available Water Supply, 0-100 cm:		17.01	Available Water Supply, 0-150 cm:		22.70
Available Water Capacity:		0.14	Available Water Storage:		27.81
Linear Extensibility:	0.80	Liquid Limit:	27.70	Plasticity Index:	7.10
Percent Sand:	33.60	Percent Clay:	18.90	Percent Silt:	47.40
Organic Matter:	1.94	Surface Texture:	Silt loam		
Bulk Density, One-Third Bar:		1.50	Saturated Hydraulic Conductivity:		3.92
Water Content, 15 Bar:		7.20	Water Content, One-Third Bar:		17.20

Soil Qualities and Features

AASHTO Group Classification (Surface):	A-5	Frost Action:	High
Depth to a Selected Soil Restrictive Layer:	201.00	Frost-Free Days:	155.00
Depth to Any Soil Restrictive Layer:	201.00	Representative Slope:	1.00

Vegetative Productivity (Yields of Non-Irrigated Crops)

Alfalfa (tons):		Corn (bu):	0.00	Corn Silage (tons):	18.00
Oats (boxes):	0.00	Grass Hay (tons):	3.50	Grass-Legume Hay (tons):	2.50
Pasture (AUM):	5.00	Soybeans (bu):	0.00	Wheat (bu):	
Winter Barley (bu):	0.00			Winter Wheat (bu):	0.00

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:	0.00	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):	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



