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The simple yet powerful way to access and use soil data.

**START
WSS**

Welcome to Web Soil Survey (WSS)



Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey. It is operated by the USDA Natural Resources Conservation Service (NRCS) and provides access to the largest natural resource information system in the world. NRCS has soil maps and data available online for more than 95 percent of the nation's counties and anticipates having 100 percent in the near future. The site is updated and maintained online as the single authoritative source of soil survey information.

Soil surveys can be used for general farm, local, and wider area planning. Onsite investigation is

I Want To...

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Area of Interest (AOI) Soil Map Soil Data Explorer Download Soils Data Shopping Cart (Free)

Search

Area of Interest

Import AOI

- Create AOI from Shapefile
- Create AOI from Zipped Shapefile

Quick Navigation

- Address
- State and County
- Soil Survey Area
- Latitude and Longitude
- PLSS (Section, Township, Range)
- Bureau of Land Management
- Department of Defense
- Forest Service
- National Park Service
- Hydrologic Unit

Legend

Area of Interest Interactive Map

View Extent Contiguous U.S. Scale (not to scale)

The map displays a rural landscape with a mix of green fields and dark green forests. A yellow circle is drawn on the map, indicating a selected area of interest. Several roads are visible, including a major road labeled 'US Hwy 4' and a smaller road labeled 'Hartfordville Rd'. The town of 'Stratford' is also labeled on the map. The map interface includes a legend on the left and a toolbar at the top with various navigation and map controls.

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Area of Interest

Open AllClose All

AOI Properties

Clear AOI

AOI Information

NameHortFarm

Map Unit Symbols

☒ Use Soil Survey Area Map Unit Symbols

☐ Use National Map Unit Symbols

Area (acres)17.0

Soil Data Available from Web Soil Survey

Strafford County, New Hampshire (NH017)

Data AvailabilityTabular and Spatial, complete

Tabular DataVersion 13, Dec 31, 2013

Spatial DataVersion 3, Dec 31, 2013

Clear AOI

Import AOI

Create AOI from Shapefile

Create AOI from Zipped Shapefile

Export AOI

Quick Navigation

Address

State and County

Soil Survey Area

Latitude and Longitude

PLSS (Section, Township, Range)


Bureau of Land Management

Department of Defense

Area of Interest Interactive Map

View ExtentContiguous U.S.

Scale(not to scale)

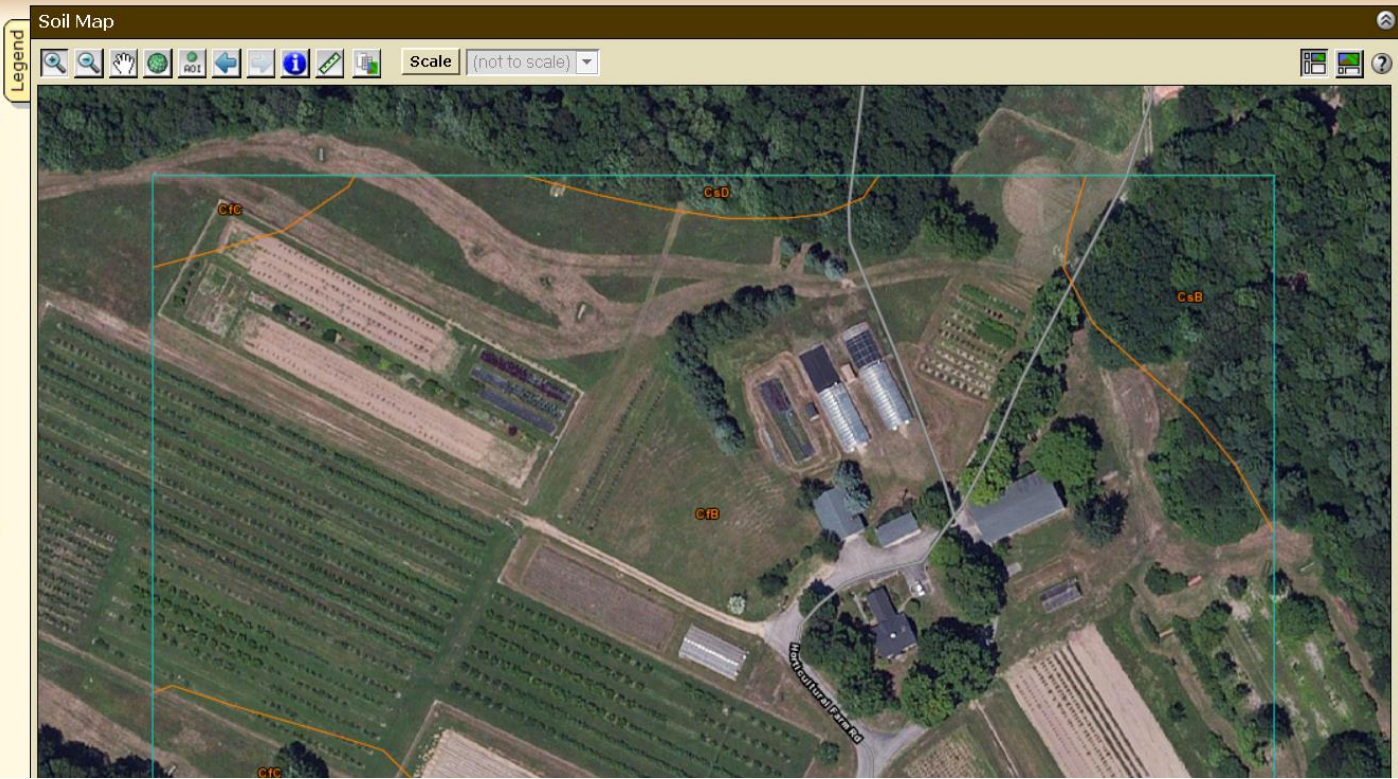


Search

Map Unit Legend

Strafford County, New Hampshire (NH017)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CfB	Charlton fine sandy loam, 3 to 8 percent slopes	14.8	86.8%
CfC	Charlton fine sandy loam, 8 to 15 percent slopes	0.9	5.5%
CsB	Charlton very stony fine sandy loam, 3 to 8 percent slopes	1.1	6.2%
CsD	Charlton very stony fine sandy loam, 15 to 25 percent slopes	0.2	1.4%
Totals for Area of Interest		17.0	100.0%



Map Unit Legend

Strafford County, New Hampshire (NH017)

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Report — Map Unit Description

Strafford County, New Hampshire

CfB—Charlton fine sandy loam, 3 to 8 percent slopes

Map Unit Setting

Elevation: 0 to 1,000 feet*Mean annual precipitation:* 42 to 46 inches*Mean annual air temperature:* 45 to 48 degrees F*Frost-free period:* 120 to 160 days

Map Unit Composition

Charlton and similar soils: 85 percent*Minor components:* 15 percent

Description of Charlton

Setting

Parent material: Till

Properties and qualities

Slope: 3 to 8 percent*Depth to restrictive feature:* More than 80 inches*Drainage class:* Well drained*Capacity of the most limiting layer to transmit water (Ksat):* High (2.00 to 6.00 in/hr)*Depth to water table:* More than 80 inches*Frequency of flooding:* None*Frequency of ponding:* None

Interpretive groups

Farmland classification: All areas are prime farmland*Land capability (nonirrigated):* 2e*Hydrologic Soil Group:* B

Minor Components

Hollis

Percent of map unit: 5 percent

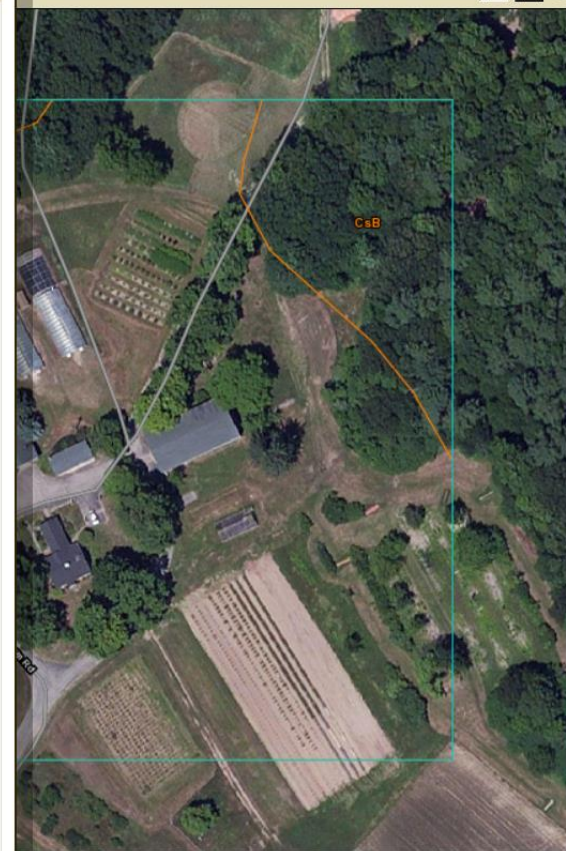
Not named

Percent of map unit: 5 percent

Sutton

Percent of map unit: 5 percent

Description — Map Unit Description



be used. Mapping of soils is done at a particular scale. The and the level of detail shown in the resulting soil map are

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Suitabilities and Limitations Ratings

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Building Site Development

Corrosion of Concrete

Corrosion of Steel

Dwellings With Basements

Dwellings Without Basements

Lawns, Landscaping, and Golf Fairways

View DescriptionView Rating

View Options

Map☒

Table☒

☒ Component Breakdown and Rating Reasons

☒ Numeric Values

Description of Rating☒

Rating Options☒

☒ Detailed Description

Advanced Options

View DescriptionView Rating


Local Roads and Streets

Shallow Excavations

Small Commercial Buildings

Unpaved Local Roads and Streets

Soil Map



Legend

Description — Lawns, Landscaping, and Golf Fairways

This interpretation rates soils for their use in establishing and maintaining turf for lawns and golf fairways and ornamental trees and shrubs for residential or commercial landscaping. Lawns and landscaping require soils on which turf and ornamental trees and shrubs can be established and maintained. Golf fairways are subject to heavy foot traffic and some light vehicular traffic. Cutting or filling may be required.

The ratings are based on the use of soil material at the site, which may have been altered by some land smoothing. Irrigation may or may not be needed and is not a criterion in rating. The ratings are based on the soil properties that affect plant growth and trafficability after vegetation is established. The properties that affect plant growth are reaction; depth to a water table; ponding; depth to bedrock or a cemented pan; the available water capacity in the upper 40 inches; the content of salts, sodium, or calcium carbonate; and sulfidic materials. The properties that affect trafficability are flooding, depth to a water table, ponding, slope, stoniness, and the amount of sand, clay, or organic matter in the surface layer. The suitability of the soil for traps, tees, roughs, and greens is not considered in the ratings.

Not considered in the ratings, but important in evaluating a site, are the location and accessibility of the area, the size and shape of the area and its scenic quality, vegetation, access to water, potential water impoundment sites, and access to public sewer lines. Soils that are subject to flooding are limited by the duration and intensity of flooding and the season when flooding occurs. In planning for lawns, landscaping, or golf fairways, onsite assessment of the height, duration, intensity, and frequency of flooding is essential.

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the specified use. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

☐ Detailed Description

Advanced Options ?

Local Roads and Streets

Shallow Excavations

Small Commercial Buildings

Unpaved Local Roads and Streets

Construction Materials ?

Disaster Recovery Planning ?

Land Classifications ?

Land Management ?

Military Operations ?

Recreational Development ?

Sanitary Facilities ?

Vegetative Productivity ?

Waste Management ?

Water Management ?



Tables — Lawns, Landscaping, and Golf Fairways — Summary By Map Unit

Summary by Map Unit — Strafford County, New Hampshire (NH017)						
Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
CfB	Charlton fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Charlton (85%)	Dusty (0.00)	14.8	86.8%
CfC	Charlton fine sandy loam, 8 to 15 percent slopes	Somewhat limited	Charlton (85%)	Slope (0.63) Dusty (0.00)	0.9	5.5%
CsB	Charlton very stony fine sandy loam, 3 to 8 percent slopes	Somewhat limited	Charlton (85%)	Large stones content (0.84) Dusty (0.00)	1.1	6.2%
CsD	Charlton very stony fine sandy loam, 15 to 25 percent slopes	Very limited	Charlton (85%)	Slope (1.00) Large stones content (0.84) Dusty (0.00)	0.2	1.4%
Totals for Area of Interest					17.0	100.0%

Table — Lawns, Landscaping, and Golf Fairways — Summary by Rating Value

Summary by Rating Value		
Rating	Acres in AOI	Percent of AOI
Somewhat limited	16.8	98.6%
Very limited	0.2	1.4%
Totals for Area of Interest	17.0	100.0%

Search

Clear

Search

Basic Search

Enter keywords

Advanced Search

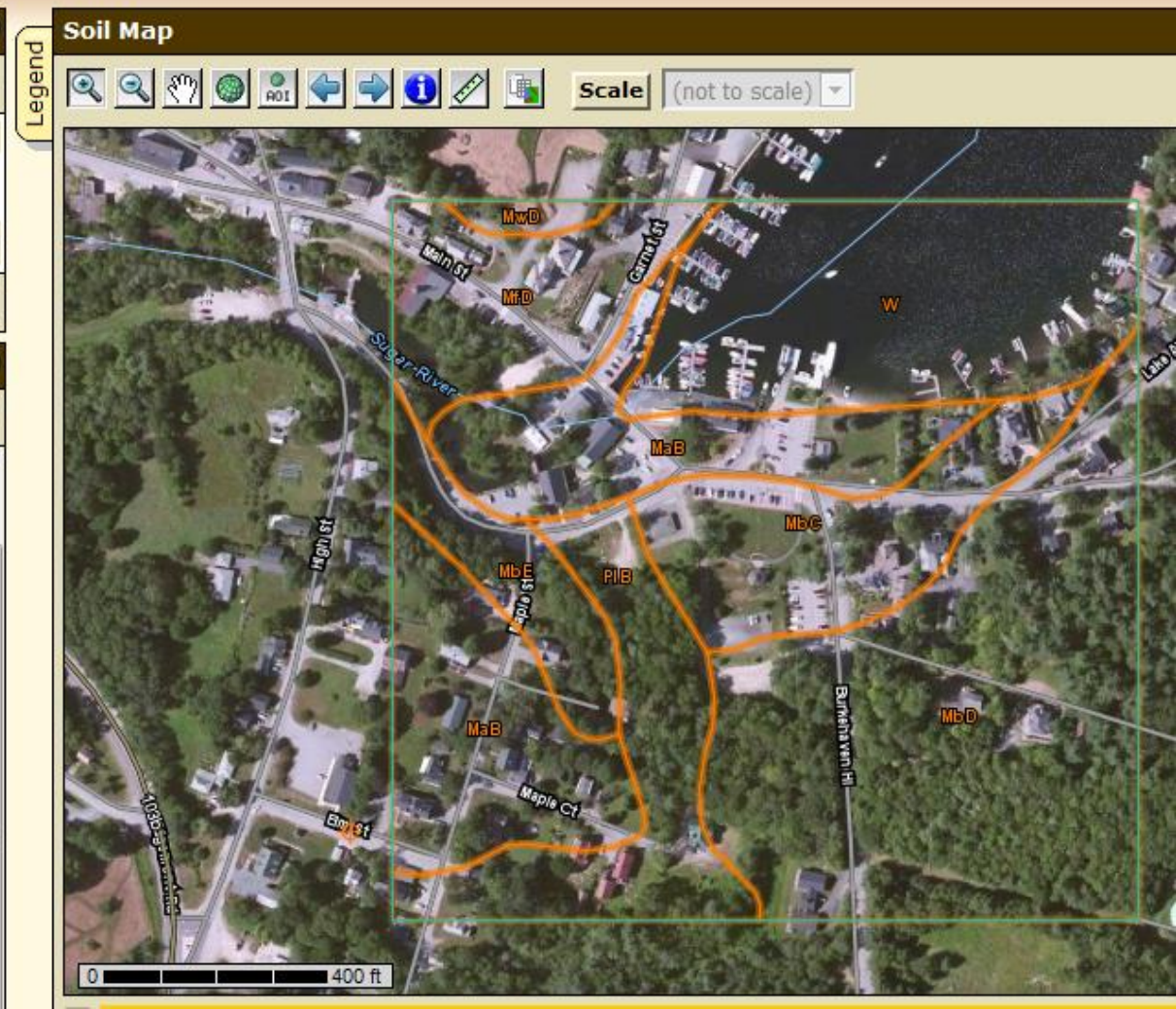
Clear

Search

Map Unit Legend

(NH019)

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
MaB	Marlow fine sandy loam, 3 to 8 percent slopes	7.6	19.3%
MbC	Marlow fine sandy loam, 8 to 15 percent slopes, very stony	3.8	9.8%
MbD	Marlow fine	11.7	29.7%



Report — Map Unit Description

Sullivan County, New Hampshire

MbC—Marlow fine sandy loam, 8 to 15 percent slopes, very stony

Map Unit Setting

National map unit symbol: 2ty5p

Elevation: 520 to 1,900 feet

Mean annual precipitation: 31 to 95 inches

Mean annual air temperature: 27 to 55 degrees F

Frost-free period: 90 to 160 days

Farmland classification: Farmland of local importance

Map Unit Composition

Marlow, very stony, and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects the mapunit.

Description of Marlow, Very Stony

Setting

Landform: Mountains, hills

Landform position (two-dimensional): Summit, shoulder, backsl

Landform position (three-dimensional): Mountainbase, mountainflank, side slope, nose slope, interfluv

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Loamy lodgment till derived from granite and/o
loamy lodgment till derived from mica schist and/or loamy
lodgment till derived from phyllite

Typical profile

Oi - 0 to 2 inches: slightly decomposed plant material

A - 2 to 5 inches: fine sandy loam

E - 5 to 8 inches: fine sandy loam

Bs1 - 8 to 15 inches: fine sandy loam

Bs2 - 15 to 19 inches: fine sandy loam

BC - 19 to 33 inches: gravelly fine sandy loam

Cd - 33 to 65 inches: fine sandy loam

Properties and qualities

Slope: 8 to 15 percent

Percent of area covered with surface fragments: 1.1 percent

Depth to restrictive feature: 20 to 41 inches to densic material

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat):

Moderately low to moderately high (0.01 to 1.42 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Salinity, maximum in profile: Nonsaline (0.0 to 1.9 mmhos/cm)

Available water storage in profile: Low (about 5.1 inches)

Soil Map

