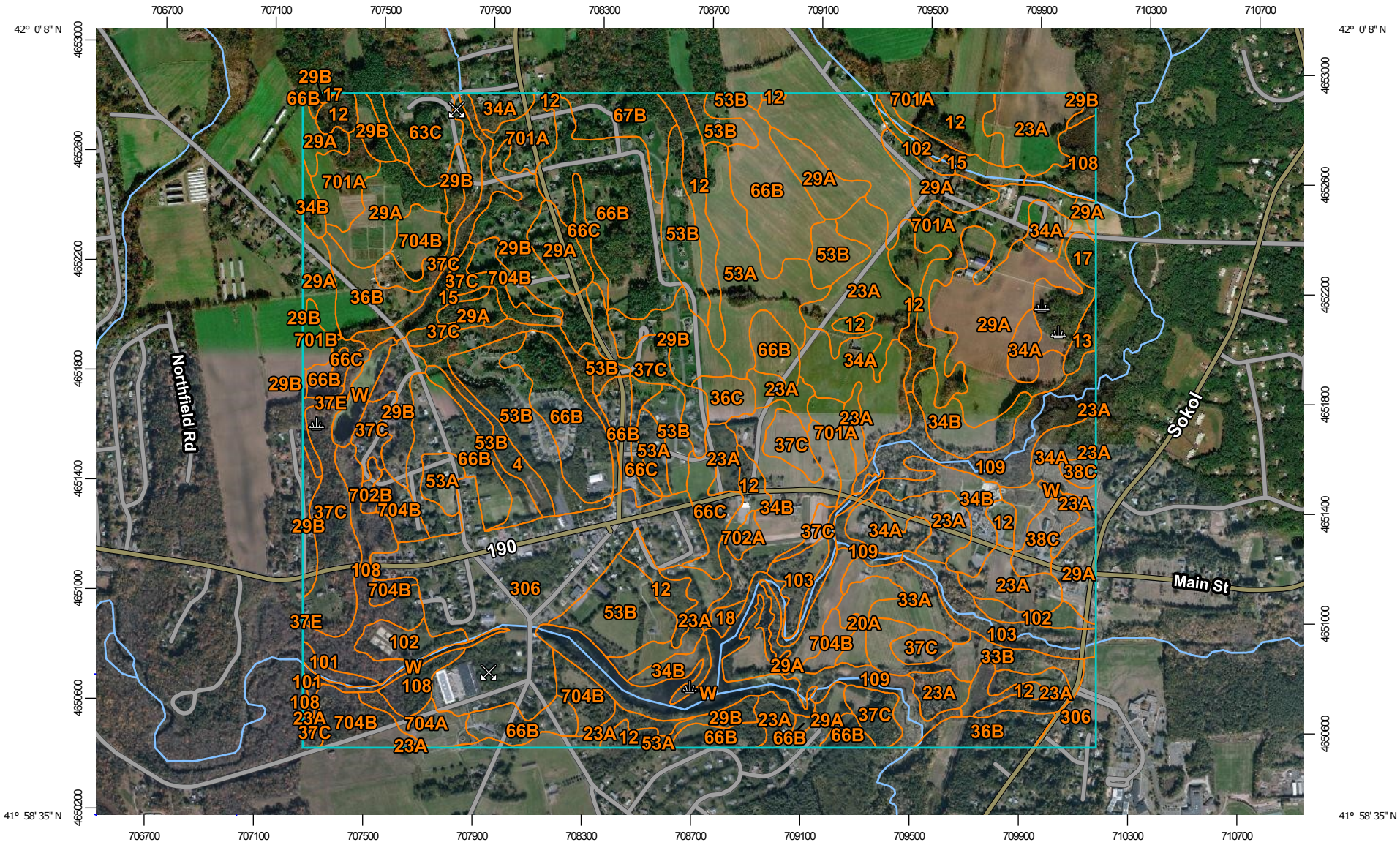
Soil Map—State of Connecticut
(Coatsville Soil Map)



MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut
Survey Area Data: Version 20, Jun 9, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

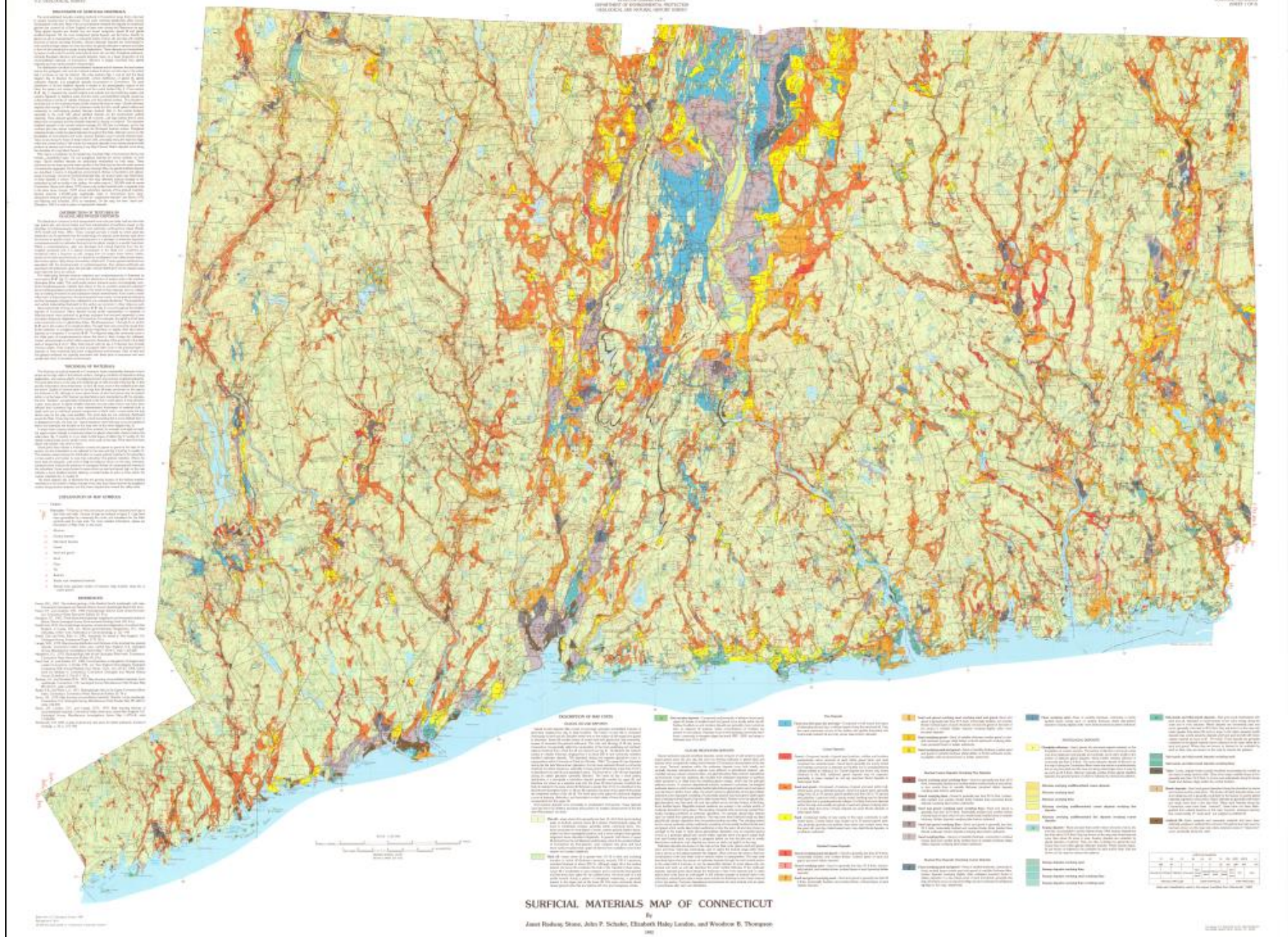
Date(s) aerial images were photographed: Aug 27, 2016—Oct 24, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
4	Leicester fine sandy loam	21.5	1.2%
12	Raypol silt loam	74.1	4.3%
13	Walpole sandy loam, 0 to 3 percent slopes	4.1	0.2%
15	Scarboro muck, 0 to 3 percent slopes	23.8	1.4%
17	Timakwa and Natchaug soils, 0 to 2 percent slopes	4.2	0.2%
18	Catden and Freetown soils, 0 to 2 percent slopes	2.2	0.1%
20A	Ellington silt loam, 0 to 5 percent slopes	8.7	0.5%
23A	Sudbury sandy loam, 0 to 5 percent slopes	133.1	7.7%
29A	Agawam fine sandy loam, 0 to 3 percent slopes	154.1	9.0%
29B	Agawam fine sandy loam, 3 to 8 percent slopes	77.1	4.5%
33A	Hartford sandy loam, 0 to 3 percent slopes	14.5	0.8%
33B	Hartford sandy loam, 3 to 8 percent slopes	19.1	1.1%
34A	Merrimac fine sandy loam, 0 to 3 percent slopes	68.6	4.0%
34B	Merrimac fine sandy loam, 3 to 8 percent slopes	73.2	4.3%
36B	Windsor loamy sand, 3 to 8 percent slopes	28.3	1.6%
36C	Windsor loamy sand, 8 to 15 percent slopes	7.0	0.4%
37C	Manchester gravelly sandy loam, 3 to 15 percent slopes	96.6	5.6%
37E	Manchester gravelly sandy loam, 15 to 45 percent slopes	4.9	0.3%
38C	Hinckley loamy sand, 3 to 15 percent slopes	11.7	0.7%
53A	Wapping very fine sandy loam, 0 to 3 percent slopes	48.4	2.8%
53B	Wapping very fine sandy loam, 3 to 8 percent slopes	102.2	6.0%
63C	Cheshire fine sandy loam, 8 to 15 percent slopes	16.6	1.0%

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
66B	Narragansett silt loam, 2 to 8 percent slopes	179.7	10.5%
66C	Narragansett silt loam, 8 to 15 percent slopes	25.8	1.5%
67B	Narragansett silt loam, 3 to 8 percent slopes, very stony	18.1	1.1%
101	Occum fine sandy loam	3.6	0.2%
102	Pootatuck fine sandy loam	19.1	1.1%
103	Rippowam fine sandy loam	26.5	1.5%
108	Saco silt loam	44.8	2.6%
109	Fluvaquents-Udifluvents complex, frequently flooded	50.0	2.9%
306	Udorthents-Urban land complex	123.2	7.2%
701A	Ninigret fine sandy loam, 0 to 3 percent slopes	107.7	6.3%
701B	Ninigret fine sandy loam, 3 to 8 percent slopes	4.8	0.3%
702A	Tisbury silt loam, 0 to 3 percent slopes	3.1	0.2%
702B	Tisbury silt loam, 3 to 8 percent slopes	2.3	0.1%
704A	Enfield silt loam, 0 to 3 percent slopes	9.0	0.5%
704B	Enfield silt loam, 3 to 8 percent slopes	52.8	3.1%
W	Water	53.6	3.1%
Totals for Area of Interest		**1,718.0**	**100.0%**



SURFICIAL MATERIALS MAP OF CONNECTICUT

By

Janet Radway Stone, John P. Schafer, Elizabeth Haley Lavalon, and Woodrow B. Thompson

1992

Qal

Alluvium

Stream deposits of silt, sand, and gravel. In western half of quadrangle consists of light-grayish-brown sand and gravel; in eastern half consists of coarse gray gravel and minor amounts of gray sand and silt. Generally less than 10 feet thick but locally as much as 20 feet thick

Qf

Alluvial-fan deposits

Coarse-grained, poorly sorted, rudely stratified stream deposits as much as 20 feet thick

Qs

Swamp deposits

Grayish-brown to black muck, sand, silt, clay, and peat. Generally 5 to 10 feet thick but locally as much as 25 feet thick

Qgf

Undifferentiated glaciofluvial deposits

Reddish-brown to yellowish-brown sand and gravel in irregular landforms not distinct enough to separate by origin

Qo

Uncorrelated outwash

Reddish-brown to gray sand and gravel; well stratified; as much as 50 feet thick

Qst

Stream-terrace deposits

Yellowish-brown, well-bedded sand, silt, and clay; locally gravelly; as much as 20 feet thick

Qt

Till

Compact to loose, nonsorted to poorly sorted, nonstratified mixture of clay, silt, sand, pebbles, cobbles, and boulders. Generally reddish brown to pale reddish brown in west half of quadrangle, gray to light gray in east half. Includes small lenses of stratified drift. Thickness generally less than 20 feet but locally may be more than 100 feet thick

Qcd

Uncorrelated ice-contact stratified drift

Sand, gravel, and minor amounts of silt deposited by melt water; includes eskers, kames, small kame terraces, and other kettled deposits. Includes both glaciofluvial and glaciolacustrine deposits. Reddish brown in west half of quadrangle, gray in east half

Qsd$_6$
Qsd$_4$
Qsd$_3$
Qsd$_2$
Qsd$_1$

Outwash

roglacial kettled and unkettled outwash and collapsed ice-contact stratified drift; graded from coarse gravel at head of outwash to fine sand and silt; generally reddish brown

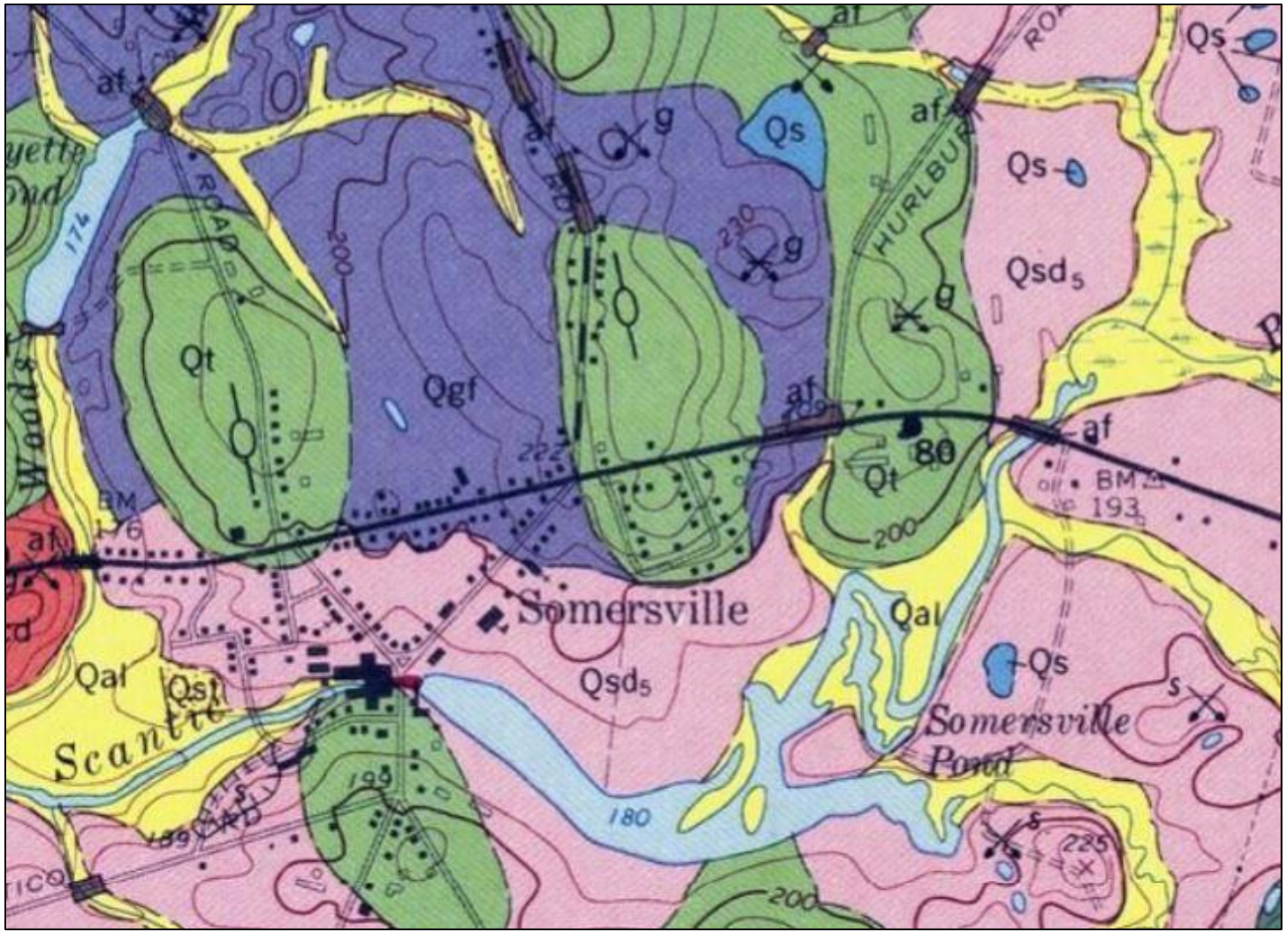
Bedrock outcrops

Individual outcrops shown by solid color; thinly veneered bedrock and scattered small outcrops shown by ruled pattern. Some outcrops taken from Collins (1954)

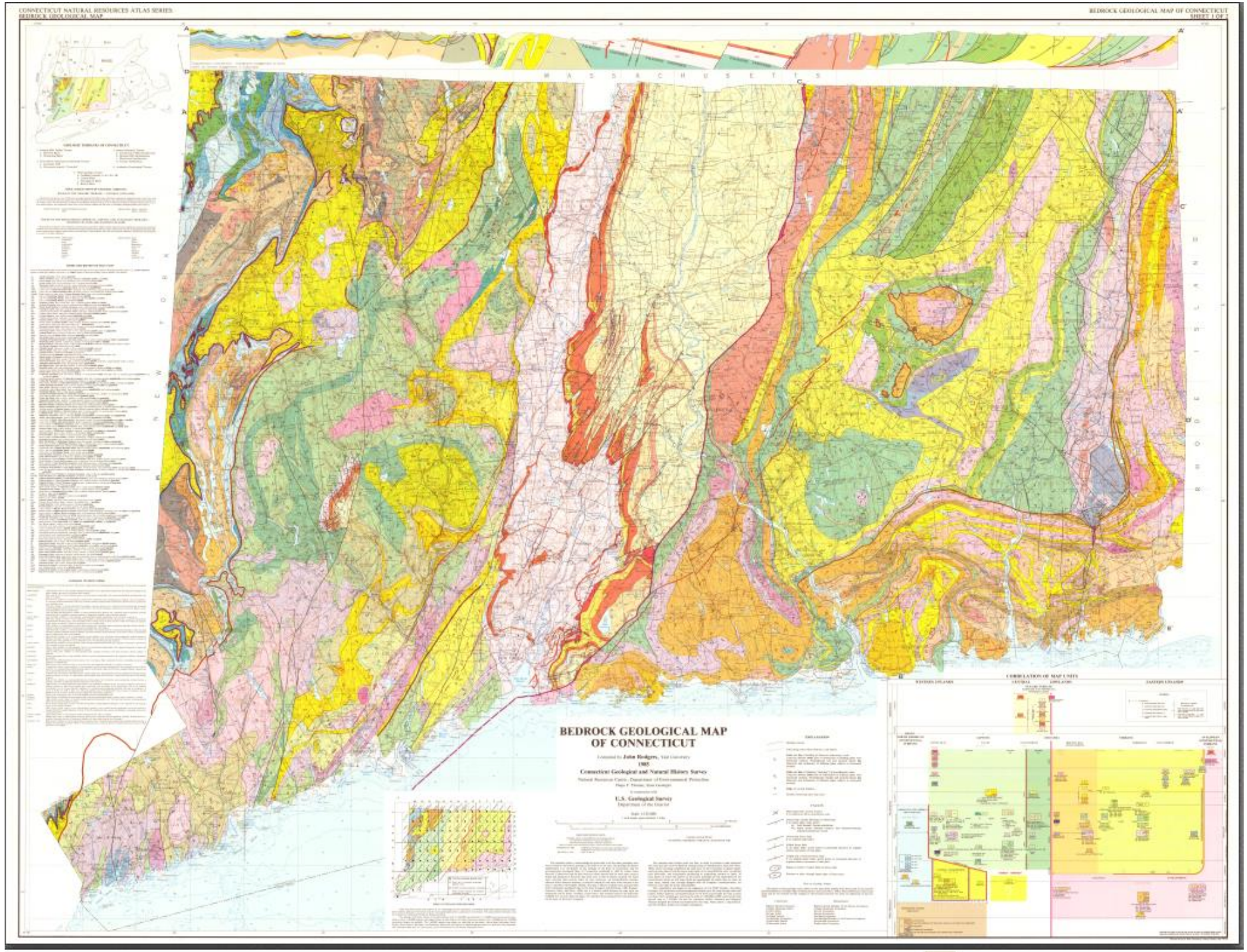
af

Artificial fill

Mainly sand and gravel, locally till and trash. Most fills less than 20 feet thick but locally as much as 40 feet thick



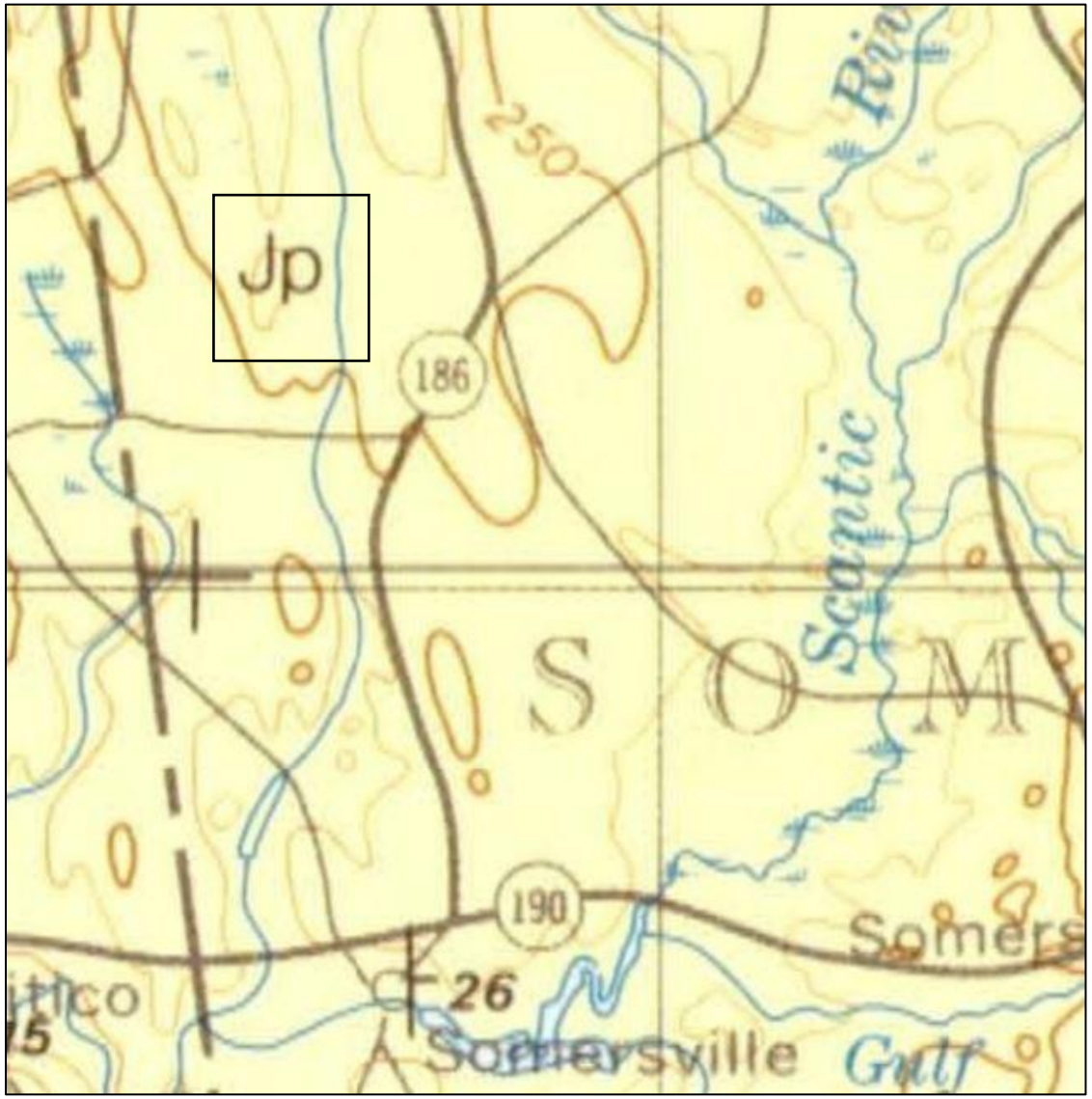
For clearer view of the legend, follow this link and zoom in using the interactive map - https://ngmdb.usgs.gov/Prodesc/proddesc_2264.htm


MASSACHUSETTS
NEW YORK
RHODE ISLAND
CORRELATION OF MAP UNITS
BEDROCK GEOLOGICAL MAP OF CONNECTICUT
1985
Connecticut Geological and Natural History Survey
U.S. Geological Survey

SHORT DESCRIPTION OF MAP UNITS

Units are listed alphabetically by map symbol. More detailed descriptions are found on Sheet 2. Recognized geologic names, e.g., **Cheshire Quartzite**, appear as small-type boldface; rock terms, e.g., **schist**, appear as large-type boldface, and are defined in the glossary.

€c	**Cheshire Quartzite:** white, glassy **quartzite**
€d	**Dalton Formation:** gray, tan-weathering feldspathic **quartzite, gneiss,** and **schist**
€e	**Everett Schist:** gray, partly rusty-weathering, fine- to medium-grained **schist**
€h	**Hoosac Schist:** gray, rusty-weathering, fine- to medium-grained **schist**
€m	**Manhattan Schist:** dark-gray to silvery, rusty-weathering, coarse-grained schistose **gneiss**
€ma	Amphibolite-bearing unit of **Manhattan Schist:** like €m with **amphibolite**
€mcl	Lower slice of **Canaan Mountain Schist:** dark-gray, rusty-weathering, coarse-grained **schist**
€mcu	Upper slice of **Canaan Mountain Schist:** dark-gray to silvery, rusty-weathering, medium-grained **schist**
€mcub	Basal member of upper slice of **Canaan Mountain Schist:** gray, rusty-weathering **gneiss**
€sa	Unit a of **Stockbridge Marble:** white to gray dolomite **marble**
€sb	Unit b of **Stockbridge Marble:** white to light-gray dolomite **marble** and **schist**
€sc	Unit c of **Stockbridge Marble:** gray dolomite **marble**
€wb	**Waterbury Gneiss:** gray to dark-gray, fine- to medium-grained **schist** and **gneiss**
Dbl	**Littleton Formation:** gray to silvery, medium-grained **schist** and micaceous **quartzite**
Dblm	**Mount Pisgah Member** of **Littleton Formation:** gray, medium-grained, micaceous **quartzite** and **schist**
Dc	**Canterbury Gneiss:** light-gray, medium-grained, locally strongly lineated **gneiss**
Dce	"Eastford gneiss phase" of **Canterbury Gneiss:** light-gray, medium-grained, locally strongly lineated **gneiss**
D?d	Foliated quartz diorite: dark-gray, medium-grained, well-foliated **dioritic gneiss**
De	**Erving Formation:** gray, medium-grained **granofels** and **schist**
Dgg	Foliated granitic gneiss: light-gray, coarse-grained **granitic gneiss**
Dl	**Lebanon Gabbro:** dark, coarse-grained massive **gabbro**
Dld	Dioritic phase of **Lebanon Gabbro:** white to black, streaked, medium-grained **dioritic gneiss**
Dlp	Lamprophyre: dark-gray, fine-grained dike rock — **lamprophyre**
Dm	**Maromas Granite Gneiss:** light-gray to buff, medium- to fine-grained **granitic gneiss**
Dn	Hornblende norite: dark, coarse-grained massive **norite**
Dng	**Nonewaug Granite:** white to pink, fine- to very coarse-grained **granite;** parts are **pegmatitic**
DSs	**Scotland Schist:** gray to silvery, locally rusty, fine- to medium-grained **schist**
DSsq	Quartzite unit in **Scotland Schist:** micaceous **quartzite** and mica **schist**
DSt	**The Straits Schist:** silvery to gray, coarse-grained **schist**
DSts	**Southington Mountain Member** of **The Straits Schist:** gray to silvery, medium-grained **schist** and **granofels**
DSw	**Wepawaug Schist:** medium- to dark-gray, medium- to fine-grained **schist** or **phyllite**
Jb	**Buttress Dolerite:** dark-gray, brown- to gray-weathering **dolerite** (traprock), compositionally similar to basalt
Jeb	**East Berlin Formation:** reddish-brown silty **shale**
Jha	**Hampden Basalt:** dark-gray, orange- to brown-weathering **basalt** (traprock)
Jho	**Holyoke Basalt:** dark-gray, orange- to brown-weathering **basalt** (traprock)
Jp	**Portland Arkose:** reddish-brown **arkose** (brownstone)
Jsi	Silicified rock and **mylonite** along Mesozoic faults: sheared rock with abundant quartz veins
Jsm	**Shuttle Meadow Formation:** reddish-brown silty **shale**
Jta	**Talcott Basalt:** dark-gray, orange- to brown-weathering **basalt** (traprock)
Jwr	**West Rock Dolerite:** dark-gray, orange- to brown-weathering **dolerite** (traprock), compositionally similar to basalt
Ou	**Allingtown Metavolcanics:** green, fine-grained massive **greenstone**
Ob	**Brookfield Gneiss:** dark and light, medium- to coarse-grained **dioritic gneiss**
Obr	**Brimfield Schist:** gray, rusty-weathering, medium- to coarse-grained, interlayered **schist** and **gneiss**
Obrg	Gneiss (metavolcanic) member of **Brimfield Schist:** gray, medium-grained, layered **gneiss** and **schist**
Obs	**Bristol Gneiss:** light-gray, medium-grained **gneiss**
Oc	**Collinsville Formation:** gray and silvery, medium- to coarse-grained **schist** and dark, fine- to medium-grained **amphibolite** and hornblende **gneiss**



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