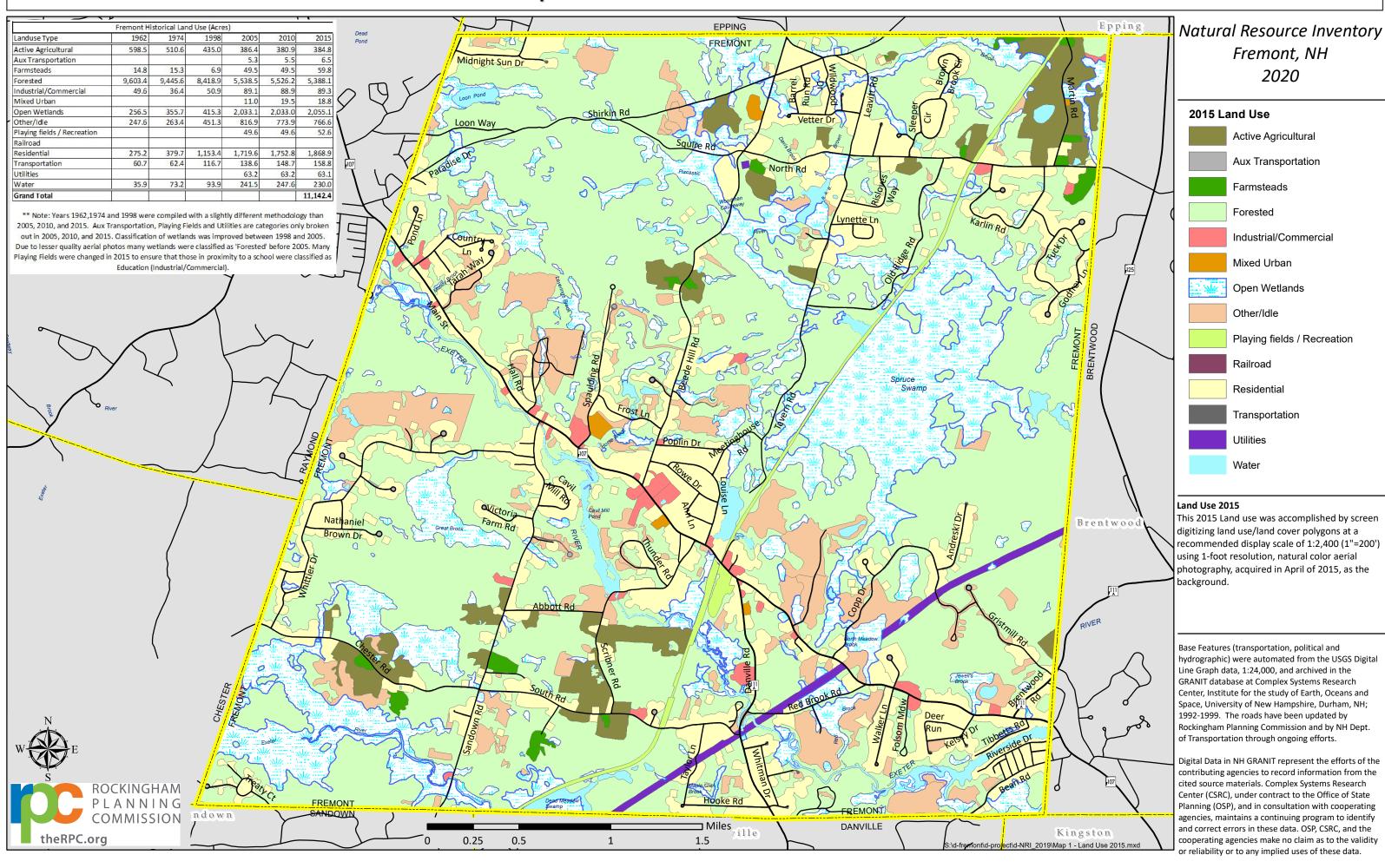
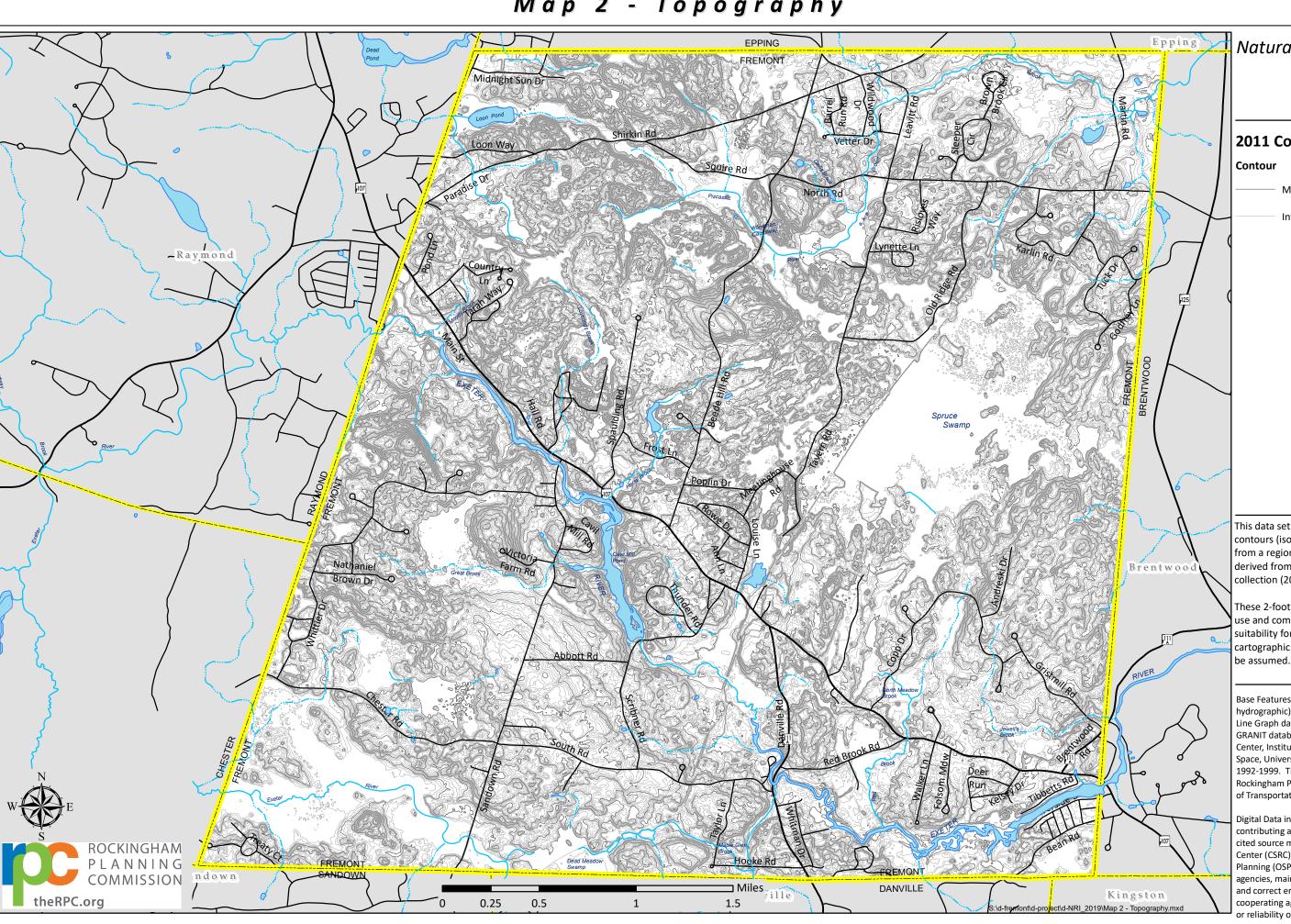
Map 1 - Land Use 2015



Map 2 - Topography



Natural Resource Inventory Fremont, NH 2020

2011 Contours 2' From LiDAR

Major Contour (10')

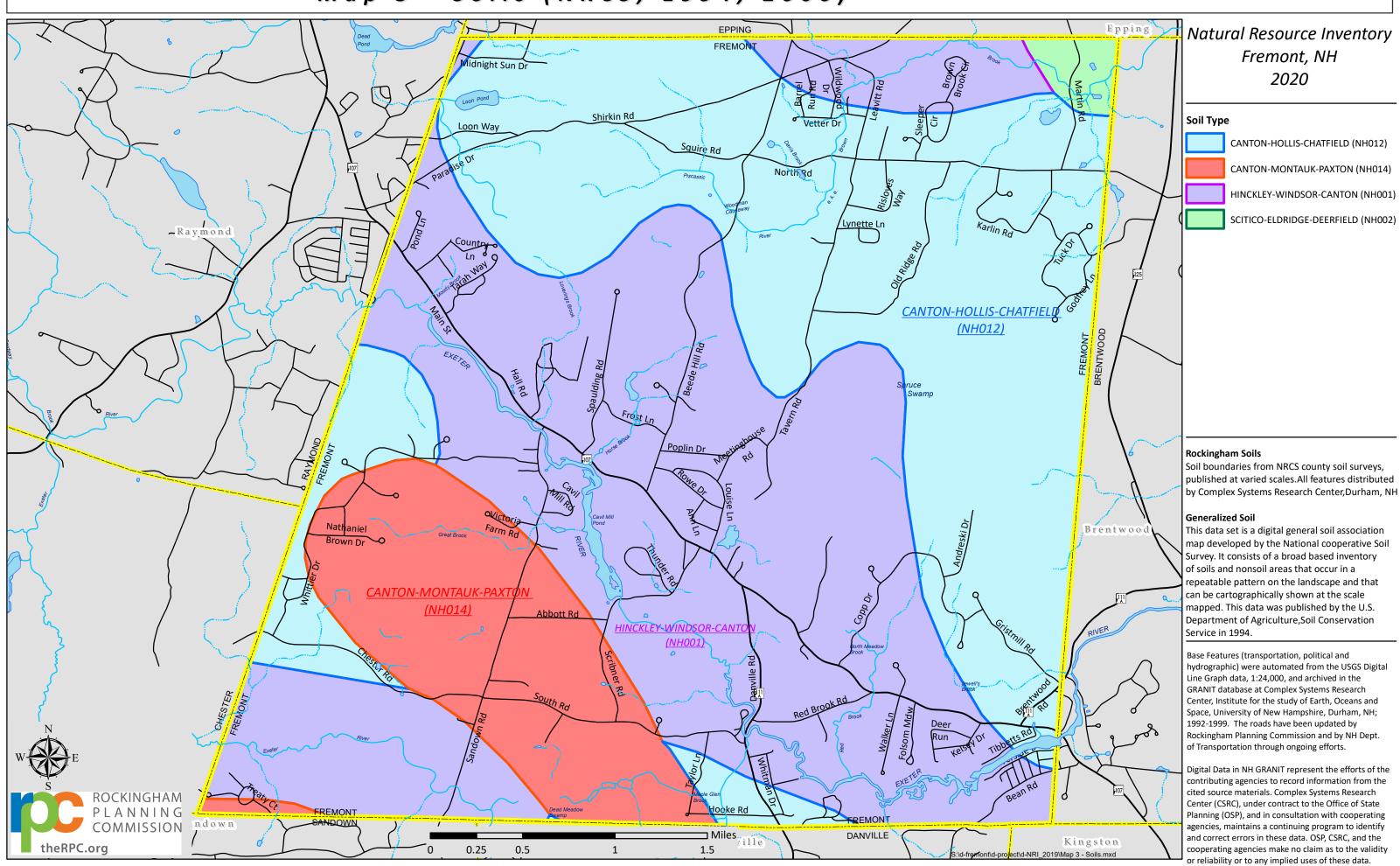
Interval contour (2')

This data set represents raw, 2-foot bare earth contours (isolines). The data set was extracted from a regional elevation contour data set derived from the Coastal New Hampshire LiDAR collection (2011).

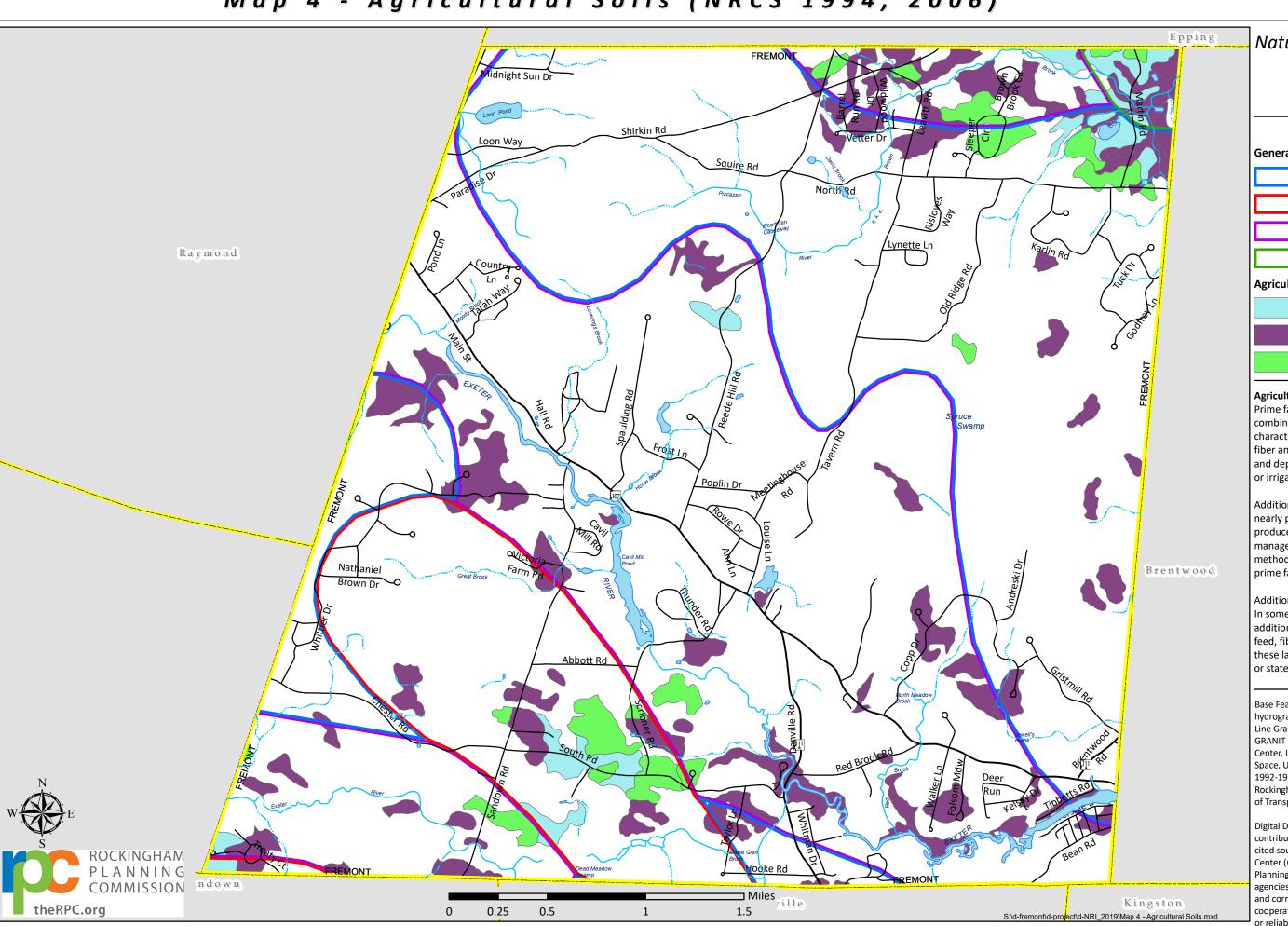
These 2-foot contours were developed for visual use and comparison with other GIS data sets. The suitability for technical, scientific, or other finished cartographic purposes is unknown and should not

Base Features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, and archived in the **GRANIT database at Complex Systems Research** Center, Institute for the study of Earth, Oceans and Space, University of New Hampshire, Durham, NH; 1992-1999. The roads have been updated by Rockingham Planning Commission and by NH Dept. of Transportation through ongoing efforts.

Map 3 - Soils (NRCS, 1994, 2006)



Map 4 - Agricultural Soils (NRCS 1994, 2006)



Natural Resource Inventory Fremont, NH 2020

General Soils Type

CANTON-HOLLIS-CHATFIELD (NH012)

CANTON-MONTAUK-PAXTON (NH014)

HINCKLEY-WINDSOR-CANTON (NH001)

SCITICO-ELDRIDGE-DEERFIELD (NH002)

Agricultural Soil Class

All areas are prime farmland

Farmland of local importance

Farmland of statewide importance

Agricultural Soils

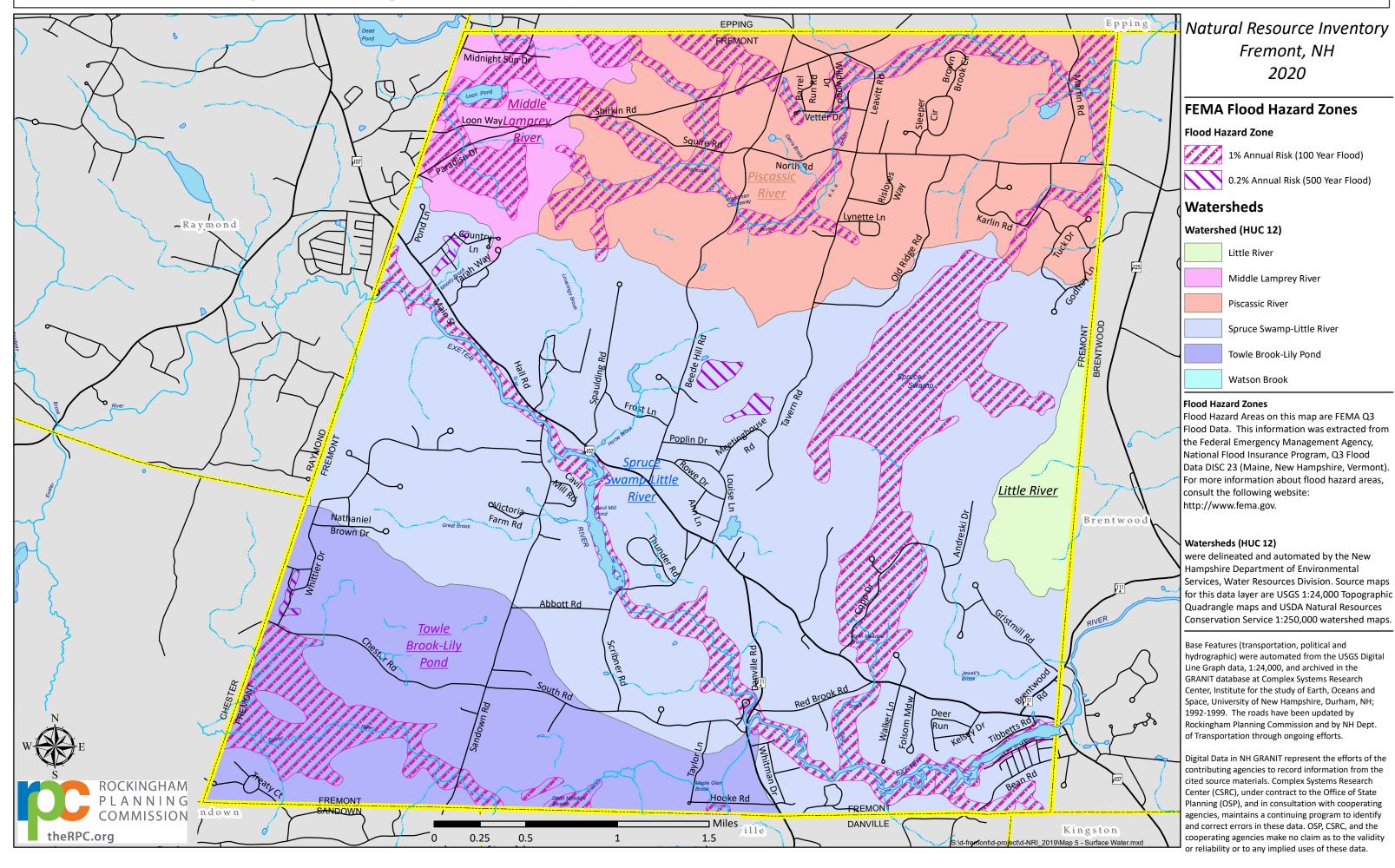
Prime farmland is land that has the best combination of physical and chemical characteristics for producing food, feed, forage, fiber and oilseed crops they have an adequate and dependable water supply from precipitation or irrigation.

Additional Farmland of Statewide Importance nearly prime farmland and that economically produce high yields of crops when treated and managed according to acceptable farming methods. Some may produce as high a yield as prime farmlands if conditions are favorable.

Additional Farmland of Local Importance In some local areas there is concern for certain additional farmlands for the production of food, feed, fiber, forage, and oilseed crops, even though these lands are not identified as having national or statewide importance.

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Map 5 - Surface Water, Watersheds, FEMA Flood Hazard Areas



Map 6 - Groundwater, Aquifers (USGS 1992)

1.5

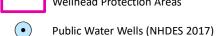
EPPING **Public Water Supply Wells** FREMONT Mapped by the NH Department of Environmental Services. They consist of wells and surface water intake locations. Development of this data is ongoing; last updated May 2017. **Wellhead Protection Areas** Shirkin Rd (WHPAs) for community and non-community, non-transient drinking water supplies in addition Squire Rd to watershed delineations for surface water intakes and groundwater sources under the direct NorthRd influence of surface water. The data contains wellhead protection area (WHPA) polygons that represent Phase I or Phase II WHPAs based upon existing hydrologic data or advanced studies. NHDES uses a 500-foot radius circle for protection activities associated with sources for transient systems. Stratified-Drift Aquifer data was automated by Complex Systems Research Center UNH. The aquifer data was automated from maps generated as part of a larger study of groundwater resources in New Hampshire. The Study was conducted under a cooperative agreement between the US Geological Survey and the NH Department of Environmental Services, Water Resources Spruce Division. It included an assessment of the aquifers within stratified sand and gravel deposits. Transmissivity of Stratified Drift Aquifers quantifies the ability of an aquifer to transmit water, measured in feet squared per day. US Geological Survey Water-Resources Investigations Report 91-4025, "Geohydrology and Water Quality of Stratified-Drift Aquifers in the Lower Merrimack and Coastal River Basins Nathaniel Brown Dr **Potential Contamination Sites** This layer contain locations of potential contamination sites as recorded by the New Hampshire Department of Environmental Services, Water Supply Engineering Bureau. Abbott Rd These point features were either submitted on paper base maps by water system operators or were collected by WSEB Staff using corrected-GPS. Date of last revision 2019 OCKINGHAM ndown COMMISSION DANVILLE Kingston theRPC.org

0.25

0.5

Natural Resource Inventory Fremont, NH 2020

Potential Contamination Sources



Wellhead Protection Areas

Transmissivity

Less than 500

500 to 1000

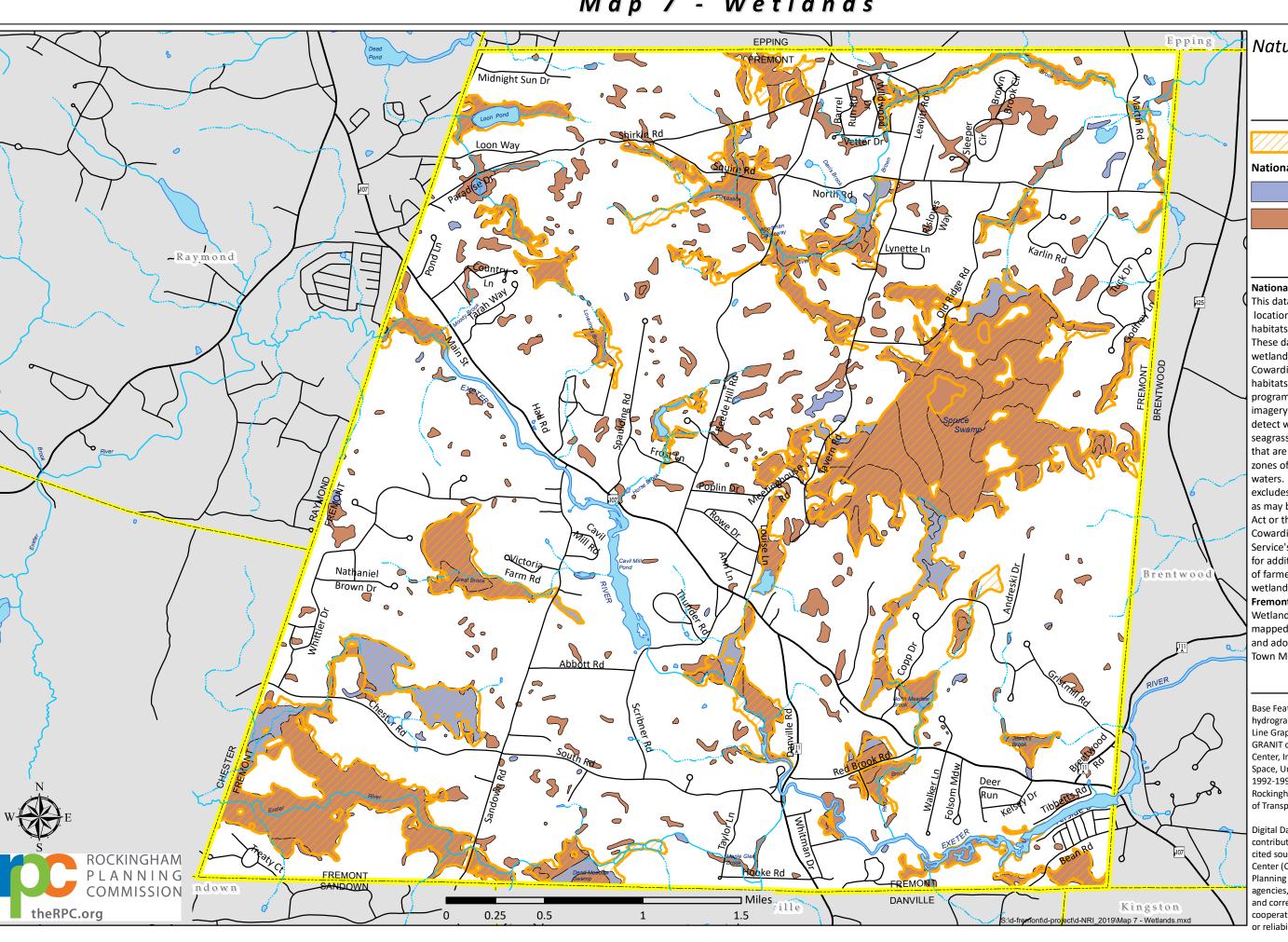
1000 to 2000

2000 to 3000

Greater than 3000

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Map 7 - Wetlands



Natural Resource Inventory Fremont, NH 2020

Prime Wetlands (West, 2007)

National Wetland Inventory

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

National Wetlands Inventory

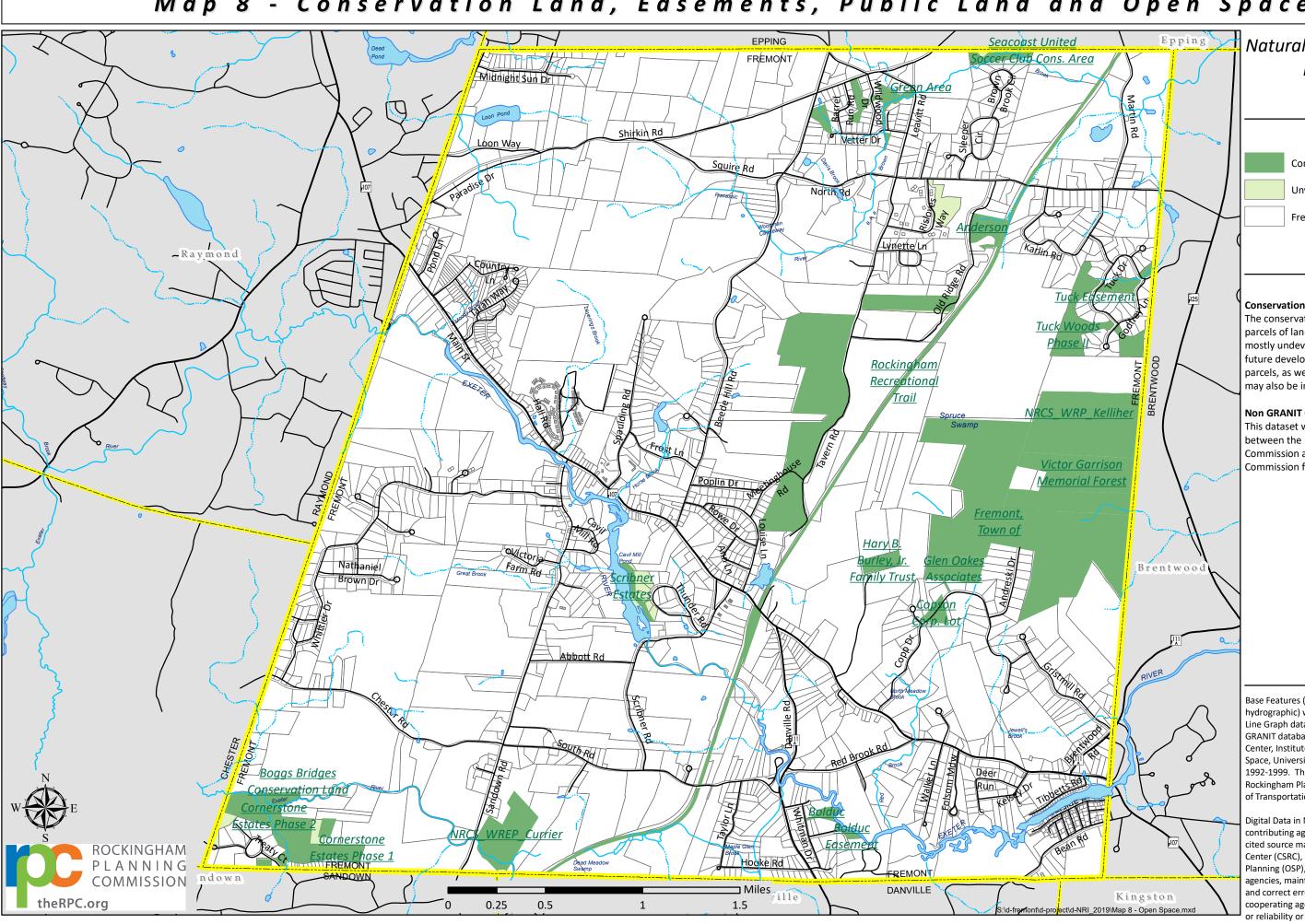
This data set represents the extent, approximate location and type of wetlands and deepwater habitats in the conterminous United States. These data delineate the areal extent of wetlands and surface waters as defined by Cowardin et al. (1979). Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and near shore coastal waters. By policy, the Service also excludes certain types of "farmed wetlands" as may be defined by the Food Security Act or that do not coincide with the Cowardin et al. definition. Contact the Service's Regional Wetland Coordinator for additional information on what types of farmed wetlands are included on wetland maps.

Fremont Adopted Prime Wetlands

Wetlands represented in this dataset were mapped by West Environmental in 2007, and adopted by the Town of Fremont at Town Meeting in 2008.

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Map 8 - Conservation Land, Easements, Public Land and Open Space



Natural Resource Inventory Fremont, NH 2020

Conservation Land (GRANIT 2018)

Unverified Conservation Lands (RPC)

Fremont Tax Parcels (4/2016)

Conservation and Public Lands

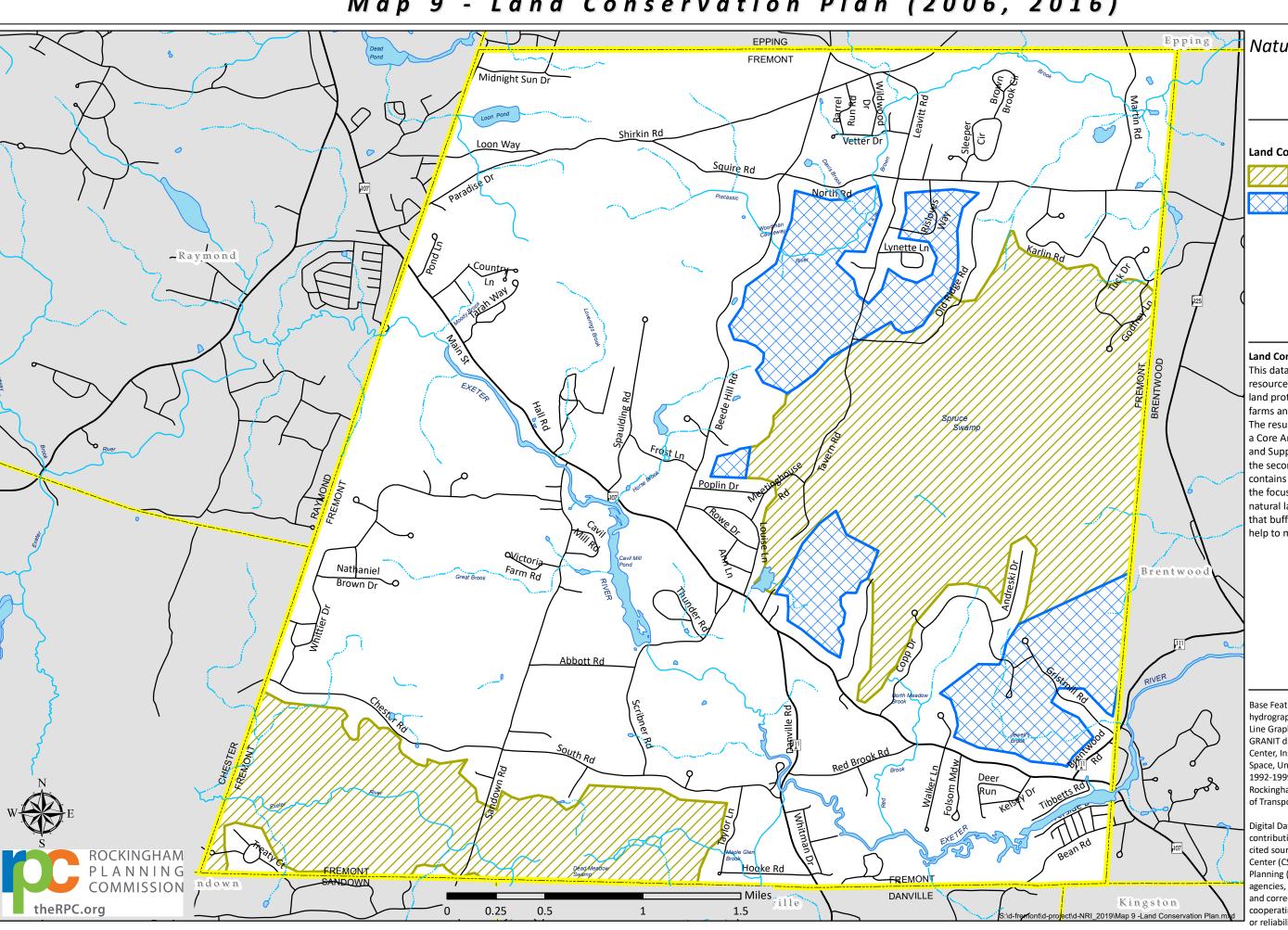
The conservation lands data layer describes parcels of land of two or more acres that are mostly undeveloped and are protected from future development. Unique or adjoining smaller parcels, as well as selected state-owned parcels, may also be included.

Non GRANIT Conservation Land

This dataset was created via a collaboration between the Fremont Conservation Commission and the Rockingham Planning Commission for many years.

Base Features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, and archived in the **GRANIT database at Complex Systems Research** Center, Institute for the study of Earth, Oceans and Space, University of New Hampshire, Durham, NH; 1992-1999. The roads have been updated by Rockingham Planning Commission and by NH Dept. of Transportation through ongoing efforts.

Map 9 - Land Conservation Plan (2006, 2016)



Natural Resource Inventory Fremont, NH 2020

Land Conservation Plan for NH (2006, 2016)

Core (Highest Value)

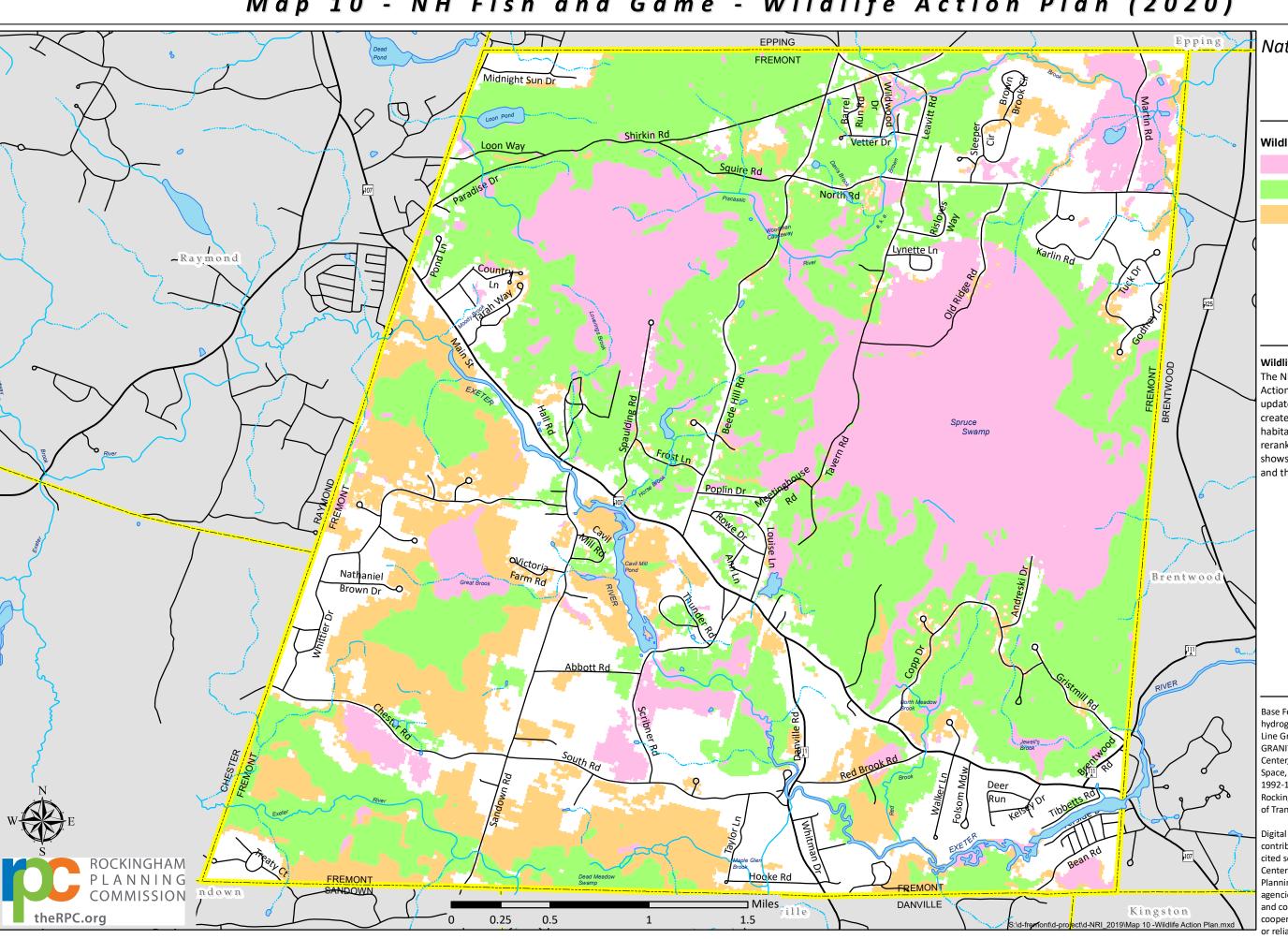
Landscape (High Value)

Land Conservation Plan for NH

This dataset integrates best-available natural resource data with expert judgment to prioritize land protection to protect water quality, habitat, farms and forests, and recreational open space. The resultant data is broken down into 2 levels, a Core Area that is the highest ranked areas and Supporting Natural Landscape, which is the second tier of habitat. The Core habitat contains the essential natural resources for which the focus area was identified. The supporting natural landscape is comprised of natural lands that buffer and sometimes link core areas and help to maintain habitat and ecological processes.

Base Features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, and archived in the **GRANIT database at Complex Systems Research** Center, Institute for the study of Earth, Oceans and Space, University of New Hampshire, Durham, NH; 1992-1999. The roads have been updated by Rockingham Planning Commission and by NH Dept. of Transportation through ongoing efforts.

Map 10 - NH Fish and Game - Wildlife Action Plan (2020)



Natural Resource Inventory Fremont, NH 2020

Wildlife Action Plan 2020

Tier 1 - Highest Ranked Habitat in NH

Tier 2 - Highest in Biological Region

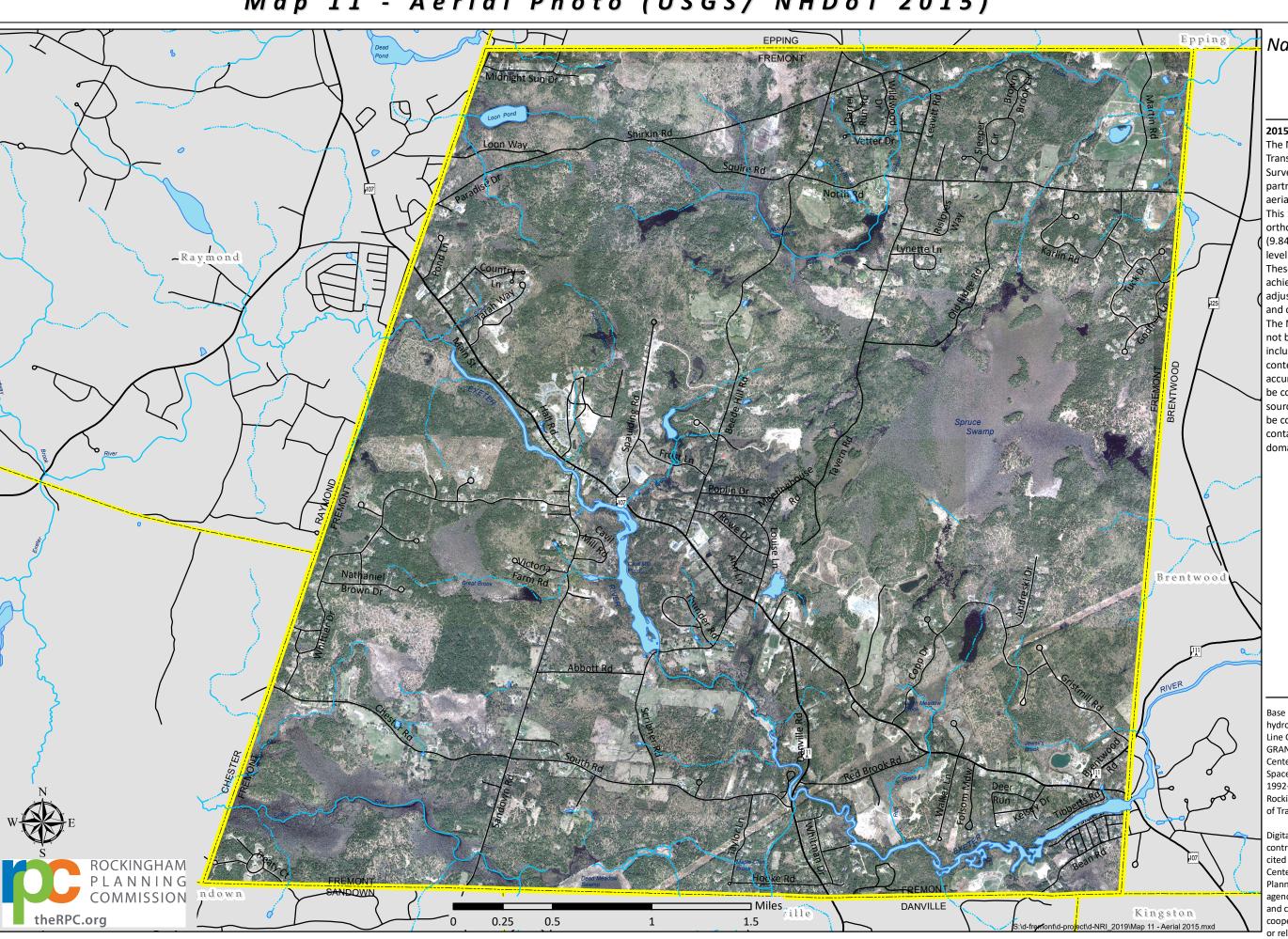
Tier 3 - Supporting Landscapes

Wildlife Action Plan 2020

The NH Fish and Game released the NH Wildlife Action Plan in 2005, it was subsequently updated in 2010, 2015 and 2020. This data was created by aggregating the highest quality habitats within each habitat type and then reranking based on co-occurance. This data shows the most critical wildlife habitat locations and thus, important wildlife areas.

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Map 11 - Aerial Photo (USGS/ NHDoT 2015)



Natural Resource Inventory Fremont, NH 2020

2015 NHDOT / USGS 1' Aerial Photo

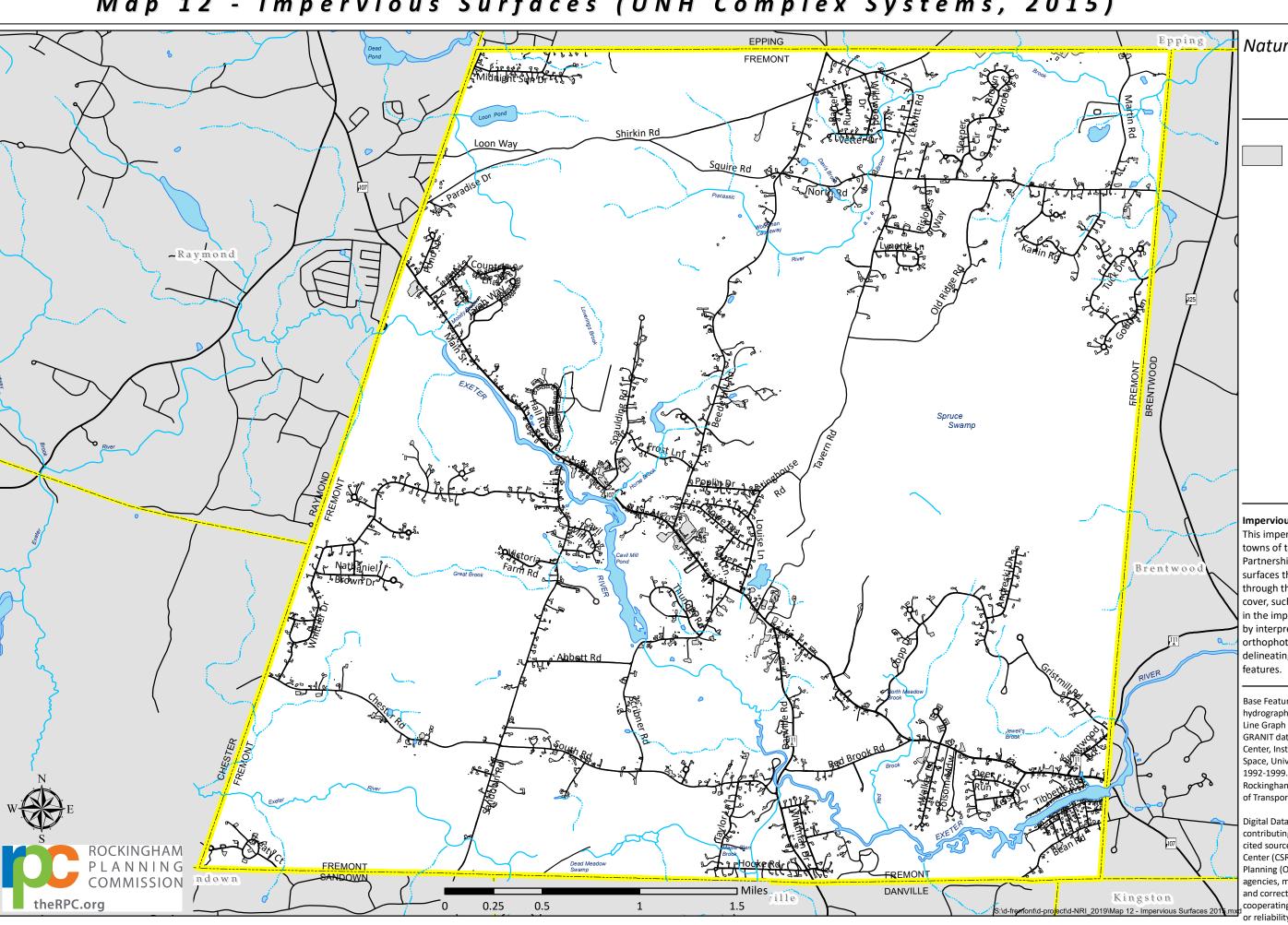
The New Hampshire Department of Transportation partnered with the US Geological Survey (USGS) and additional state and federal partners to acquire high resolution, leaf-off, color, aerial photography.

This 1' (.35m) GSD multispectral digital orthoimagery was compiled to meet a 3.0 meter (9.84') horizontal accuracy at 95% confidence level based on NSSDA testing guidelines. These images were geometrically corrected to achieve a uniform scale. Each frame was adjusted for topographic relief, lens distortion and camera tilt.

The NH Department of Transportation shall not be held liable for any errors in this data. This includes errors of omission, errors of commission, content errors, and relative and positional accuracy errors in the data. This data should not be construed to be a legal document. Primary sources from which this data was compiled must be consulted for verification of information contained in this data. This data is in the public domain, and may not be resold.

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Map 12 - Impervious Surfaces (UNH Complex Systems, 2015)



Natural Resource Inventory Fremont, NH 2020

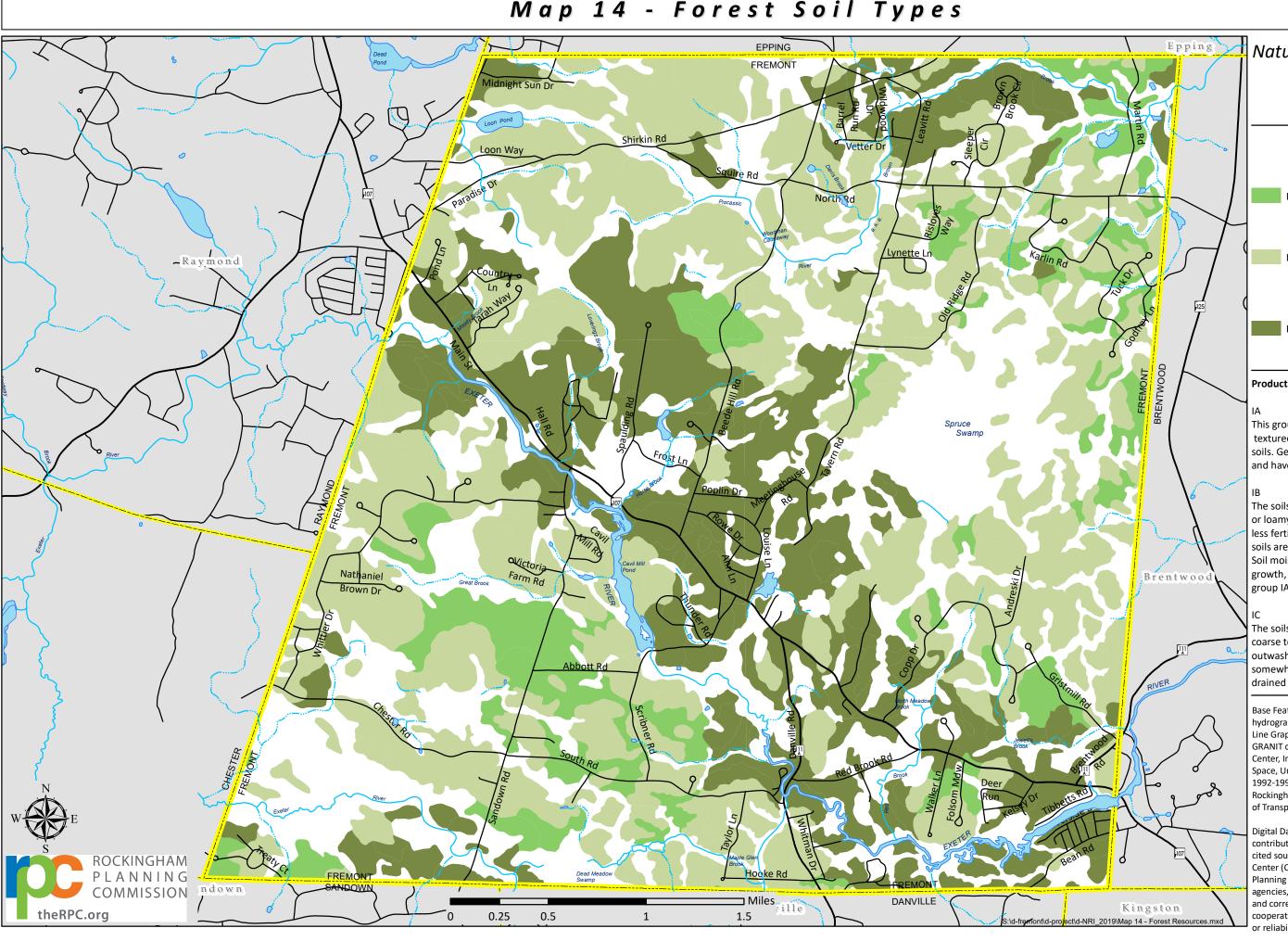
Impervious Surfaces 2015

Impervious Surfaces 2015 (UNH)

This impervious cover data set covers the 52 towns of the Piscataqua Region Estuaries Partnership (PREP) and identifies human-made surfaces that do not allow water to permeate through them. Naturally occurring impervious cover, such as exposed bedrock, is not included in the impervious class. The data set was derived by interpreting 1-foot resolution orthophotography, acquired in 2015, and delineating and updating impervious cover

Base Features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, and archived in the **GRANIT database at Complex Systems Research** Center, Institute for the study of Earth, Oceans and Space, University of New Hampshire, Durham, NH; 1992-1999. The roads have been updated by Rockingham Planning Commission and by NH Dept. of Transportation through ongoing efforts.

Map 14 - Forest Soil Types



Natural Resource Inventory Fremont, NH 2020

Productive Forest Soils

Fertile, deep, loamy, moderately IA well and well-drained, with few limitations for forest management, best suited to hardwoods.

Loamy and sand soils over sandy IB textures. Moderately well and well-drained soils. Primarily suited to hardwoods.

Somewhat droughty, less fertile sands and gravel derived from IC glacial outwash, excessively well-drained, ideally suited to softwoods, especially white pine.

Productive Forest Soils

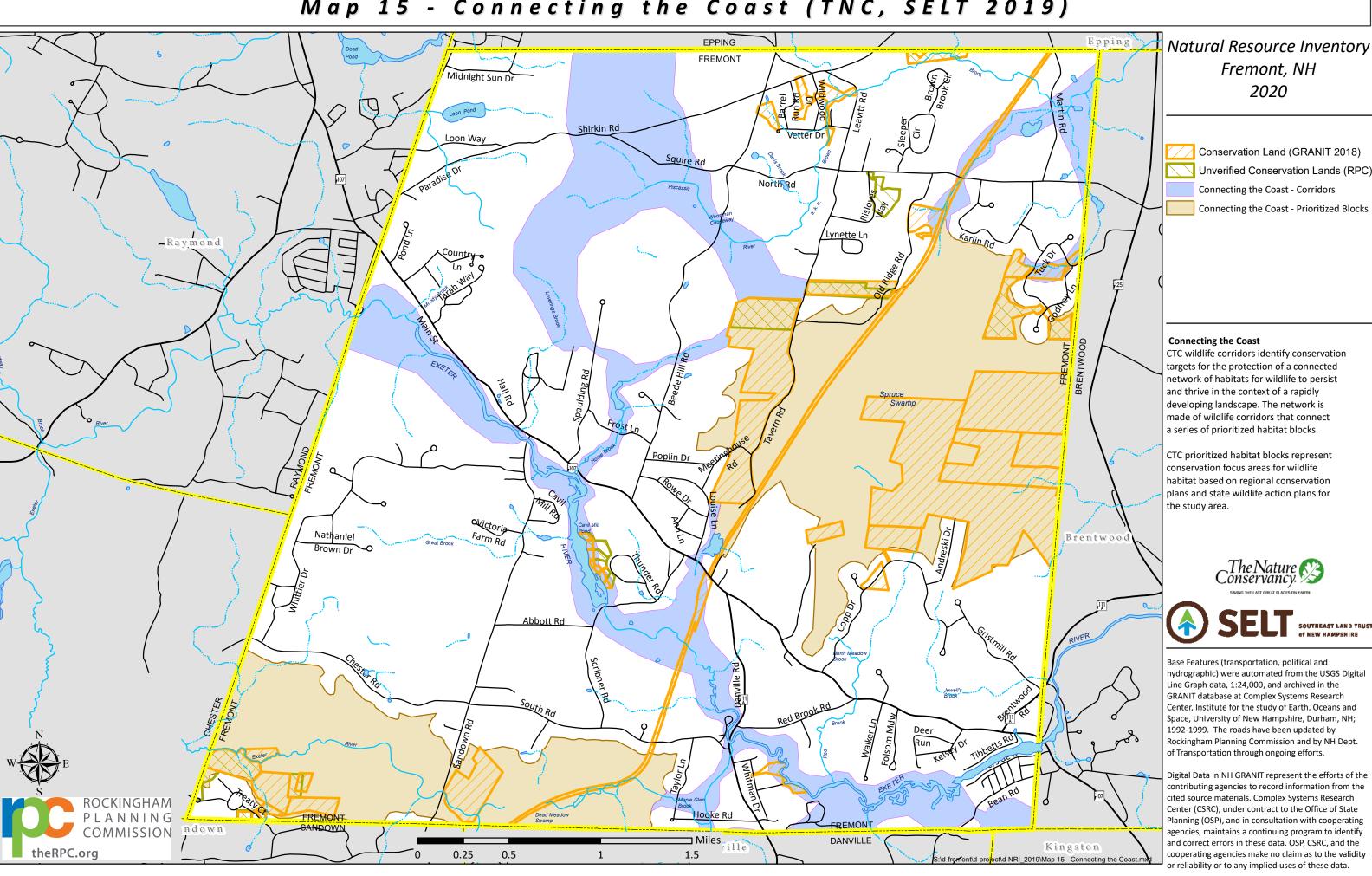
This group consists of the deeper, loamy textured, moderately well, and well-drained soils. Generally, these soils are more fertile and have the most favorable soil moisture

The soils in this group are generally sandy or loamy over sandy textures and slightly less fertile than those in group IA. These soils are moderately well and well drained. Soil moisture is adequate for good tree growth, but usually not as abundant as in group IA soils.

The soils in this group are derived from coarse textured, infertile glacial deposits of outwash sands and gravels. The soils are somewhat excessively to excessively drained and moderately well drained.

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Map 15 - Connecting the Coast (TNC, SELT 2019)



Natural Resource Inventory Fremont, NH 2020

Conservation Land (GRANIT 2018) Unverified Conservation Lands (RPC) Connecting the Coast - Corridors

Connecting the Coast

CTC wildlife corridors identify conservation targets for the protection of a connected network of habitats for wildlife to persist and thrive in the context of a rapidly developing landscape. The network is made of wildlife corridors that connect a series of prioritized habitat blocks.

CTC prioritized habitat blocks represent conservation focus areas for wildlife habitat based on regional conservation plans and state wildlife action plans for the study area.





Base Features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, and archived in the **GRANIT database at Complex Systems Research** Center, Institute for the study of Earth, Oceans and Space, University of New Hampshire, Durham, NH; 1992-1999. The roads have been updated by Rockingham Planning Commission and by NH Dept. of Transportation through ongoing efforts.