

Map CP-1 Topography & Scenic Vistas Exeter, New Hampshire

— Elevation Contour -25 Foot Interval
 ■ Scenic Vistas

- 1a Stewart Park
- 1b String Bridge
- 1c Powderhouse
- 2 Swasey Park
- 3 Raynes Farm
- 4 Connor Farm
- 5 McDownel Cons. Area Exeter River
- 6 Irvine Marsh Exeter Country Club
- 7 Hanson Farm Powdermill Road
- 8 Gilman Land Lary Lane
- 9 Henderson/Swasey Town Forest
- 10 Perkins Hill - view to Coastal Plain
- 11 Squamscott River, North from Rt. 101
- 12 Little River & Surrounding Wetlands
- 13 Beech Hill

MAP DATA SOURCES

Elevation Contour lines were digitally generated from USGS 1:24,000, 7.5 minute digital elevation model (DEM) files. DEM files contain point arrays of surface elevations at a spacing of 30 meters in both the x and y directions. Contour lines were generated at an interval of 25 feet. Production and distribution by GRANIT, CSRC, Durham, NH.

Scenic Vistas were automated on July 8, 2003 from delineations made by the Exeter Master Plan Committee.

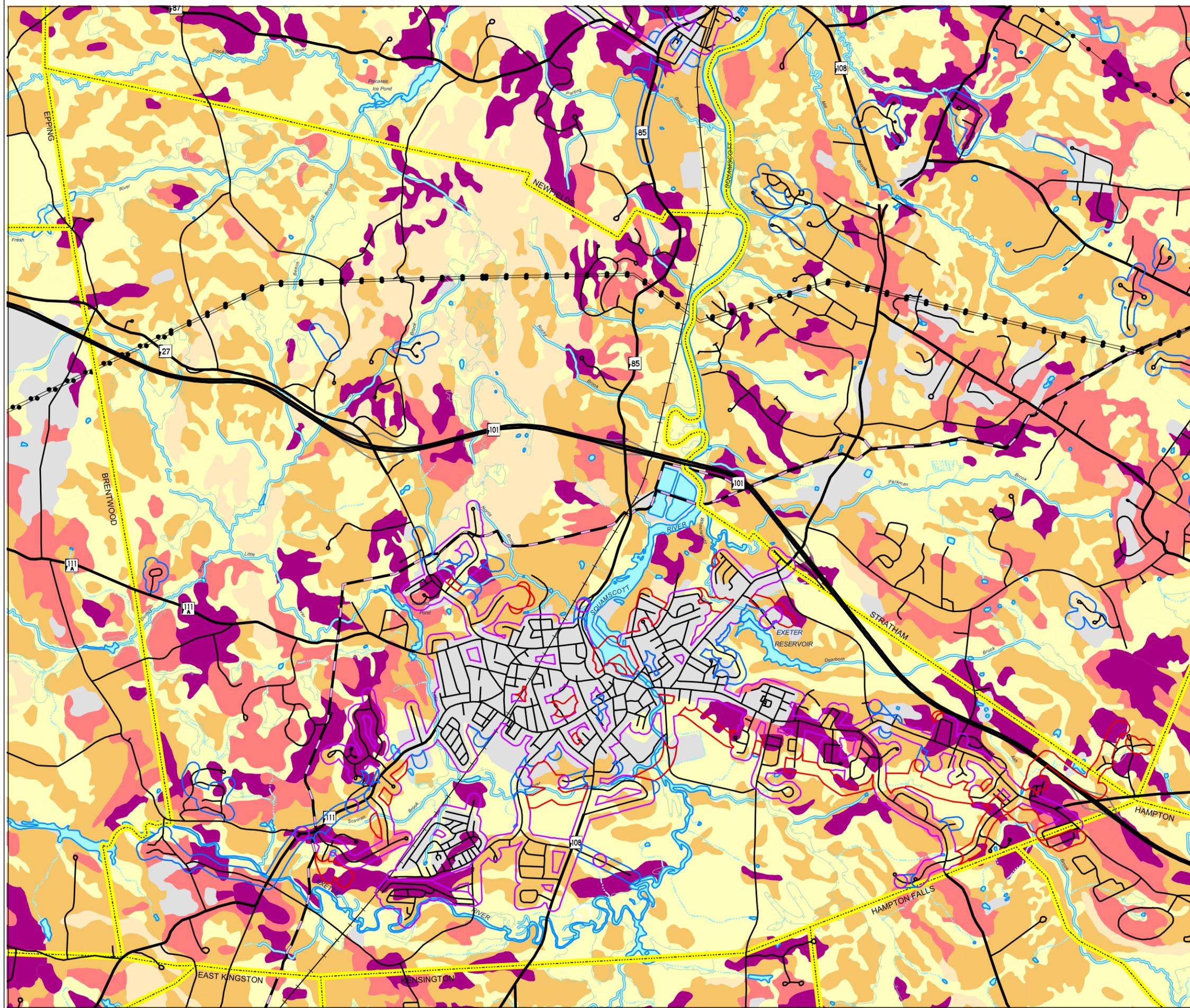
Base features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, as archived in the GRANIT database at Complex Systems Research Center, Institute for the study of Earth, Oceans and Space, University of New Hampshire, Durham, NH; 1992-1999. The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

- | | |
|--------------------------------------|--------------------------|
| — State System Roads | — Stream |
| — Local Roads (Municipal or Private) | — Intermittent Stream |
| — Railroads | — Bodies of Water |
| — Major Power Transmission Lines | — Marsh or Swamp Outline |
| — Major Pipelines | — Town Boundary |

0 0.25 0.5 1 Miles
 0 0.25 0.5 1 Kilometers
 SCALE 1:36,000



Map CP-2 Soil Potential Ratings for Low Density Development Exeter, New Hampshire



Soil Potential Ratings for Development

- Very High
- High
- Medium
- Low
- Very Low
- No Rating

Water & Sewer Utilities

- Water
- Sewer
- Both Water & Sewer

MAP DATA SOURCES

SOIL POTENTIAL RATINGS FOR LOW DENSITY DEVELOPMENT

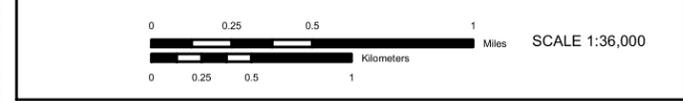
Soil ratings indicate the relative quality of a soil for development when compared to other soils in the same county survey. Suitability of a soil as it pertains to septic tank absorption fields, dwellings with basements, and local roads and streets were used as the basis for determining the potential of a soil for development. A composite rating was given to each soil type combining the rating for each of the three uses stated above. The ratings are given as one of the following: Very High, High, Medium, Low and Very Low. Some soil ratings were NA (Not Available) or were Not Rated, and were not used in this product. For further information regarding Soil Potential Ratings for Low Density Development, contact your County Conservation District. This information was produced by the Rockingham County Conservation District and was distributed in the publication: Soil Potential Ratings for Low Density Development, Rockingham County, New Hampshire, published in May 1987.

Soil boundaries are from SCS county soil surveys, published at varying scales. All other features are from USGS 1:24,000 scale Digital Line Graphs. All features distributed by Complex Systems Research Center, Durham, NH. Soil unit boundaries that coincide with water body boundaries in the field will not always coincide on this map, due to their differing data sources.

Water and Sewer Service Areas were provided by the NH Department of Environmental Services. These areas are approximate and were derived from buffering road centerline features by a constant distance for streets having water, sewer or both services available.

Base features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, as 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 within the Rockingham Planning Region have been updated by Rockingham Planning Commission and by NH Department of Transportation through ongoing efforts.

- | | |
|--|--|
| State System Roads | Stream |
| Local Roads (Municipal or Private) | Intermittent Stream |
| + Railroads | Bodies of Water |
| ● Major Power Transmission Lines | Marsh or Swamp Outline |
| Major Pipelines | Town Boundary |



Map CP-3 Farmland Soils, Active Agricultural Uses & Tree Farms Exeter, New Hampshire

Legend

- Prime Farmland Soils
- Soils of Statewide Importance
- Agricultural Uses
- Tree Farms

Agricultural Uses

- 1 Connor Farm (NH Fish & Game)
- 2 Raynes Farm (Town of Exeter)
- 3 Stone Farm
- 4 Ellison's Nursery
- 5 Churchill's Garden Center

Tree Farms

- 1 PEA 317 Ac.
- 2 Exeter Country Club
- 3 Jones 75 Ac.

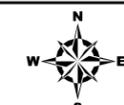
MAP DATA SOURCES

Soils

Soil boundaries are from NRCS Rockingham County Soil Survey published at 1:20,000 scale and issued in 1994. Data automation completed by Complex Systems Research Center, UNH; October 1999. Soil unit boundaries that coincide with water body boundaries in the field will not always coincide on this map, due to their differing data sources and scales. Information shown on this map is for planning purposes only.

Base features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, as 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 within the Rockingham Planning Region have been updated by Rockingham Planning Commission and by NH Department of Transportation through ongoing efforts.

- | | |
|------------------------------------|------------------------|
| State System Roads | Stream |
| Local Roads (Municipal or Private) | Intermittent Stream |
| Railroads | Bodies of Water |
| Major Power Transmission Lines | Marsh or Swamp Outline |
| Major Pipelines | Town Boundary |



Map CP-4 Natural Heritage Areas Exeter, New Hampshire

Type of occurrence community:

-  Wildlife
-  Plant
-  Natural Community

Rare plant(s), wildlife, and/or natural community:

Precise location within circle known.
Contact the Natural Heritage Inventory for additional information.



Occurrence within circle, but precise location not known due to unclear records. Contact the Natural Heritage Inventory for additional information.



NH NATURAL HERITAGE INVENTORY DATA

This map illustrates the general locations of rare plants, wildlife, and natural communities (natural communities are different types of wetlands, forests, etc.). Precise locations are not shown due to the data's sensitive nature. The NH Natural Heritage Inventory's database contains more detailed information including locations, population sizes, and habitat descriptions.

Please contact the Natural Heritage Inventory at (603) 271-3623 for more information.

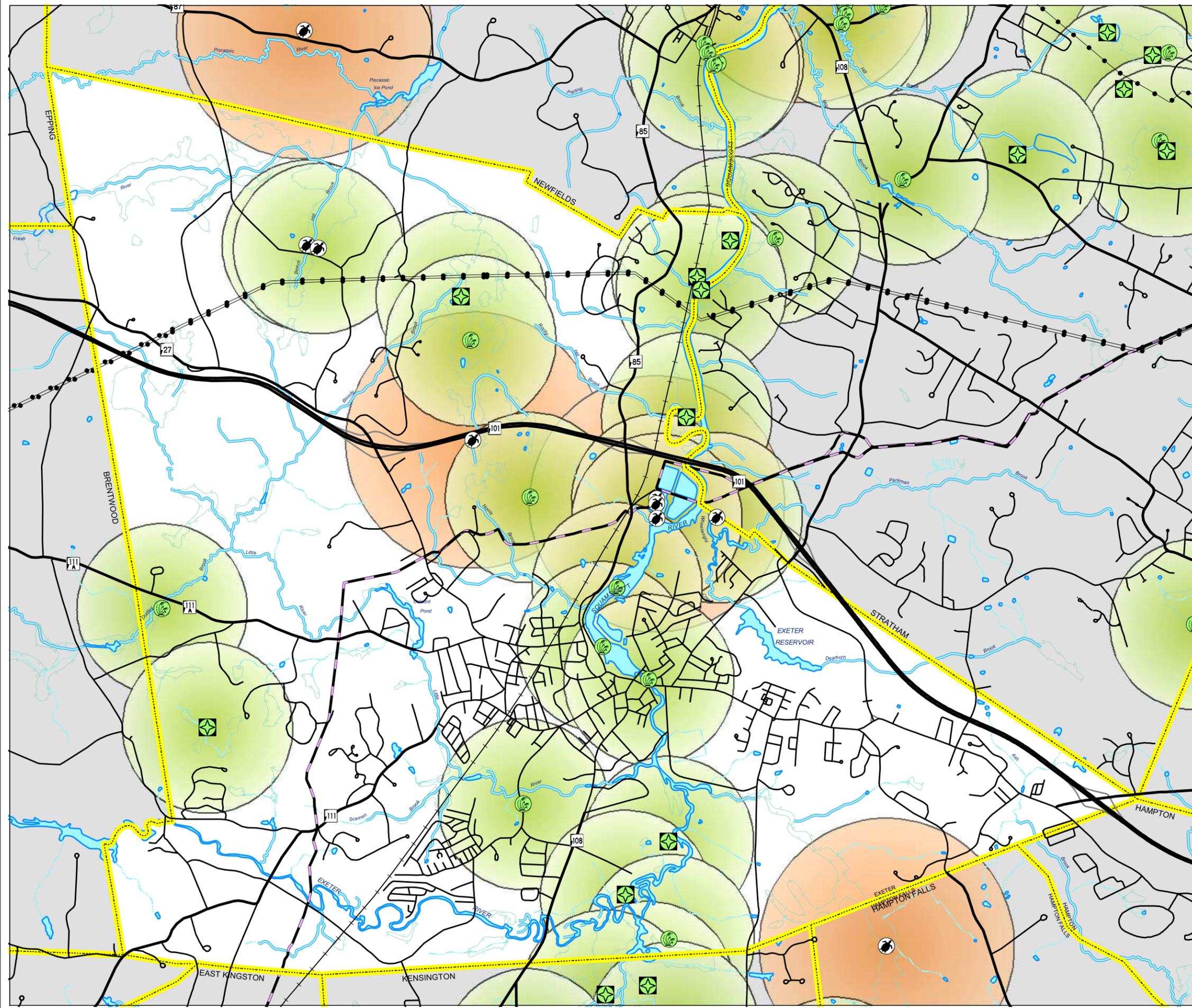
Wildlife occurrences are compiled and displayed in cooperation with the NH Fish & Game Department's Nongame Program, who may be reached at (603) 271-2462.

MAP DATA SOURCES

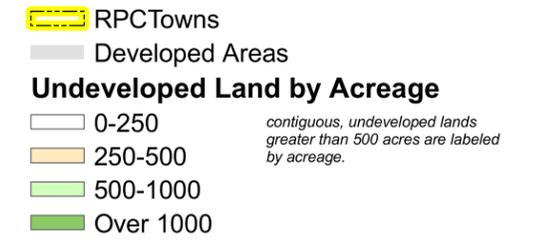
New Hampshire Natural Heritage Inventory data was provided by the NH Department of Resources and Economic Development, Division of Forests and Lands, Natural Heritage Inventory on July 2, 2003.

Base features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, as 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 within the Rockingham Planning Region have been updated by Rockingham Planning Commission and by NH Department of Transportation through ongoing efforts.

- | | |
|--|--|
|  State System Roads |  Stream |
|  Local Roads (Municipal or Private) |  Intermittent Stream |
|  Railroads |  Bodies of Water |
|  Major Power Transmission Lines |  Marsh or Swamp Outline |
|  Major Pipelines |  Town Boundary |



Map CP-5 Contiguous Undeveloped Lands Exeter, New Hampshire



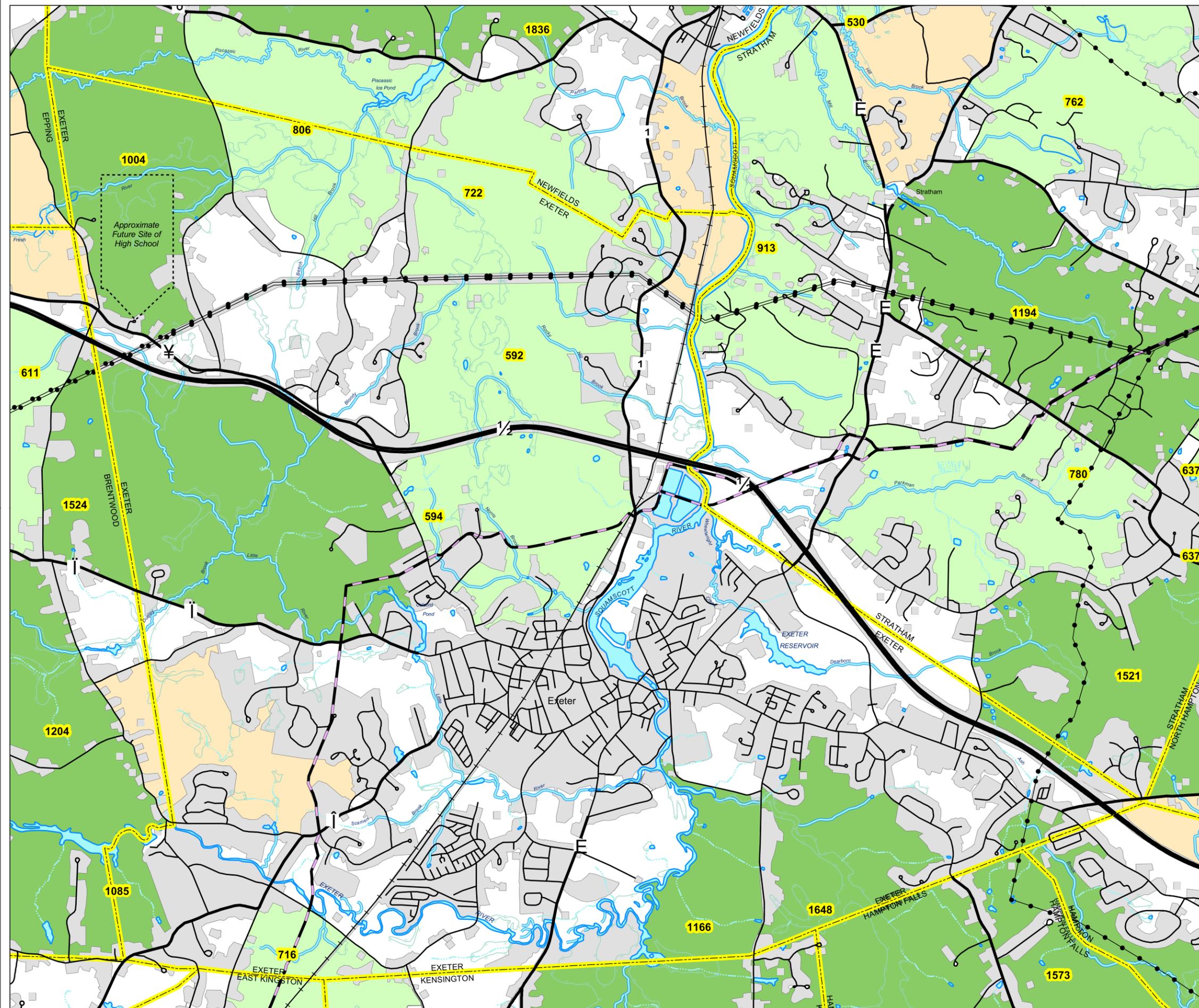
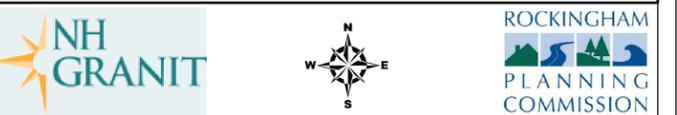
MAP DATA SOURCES

Contiguous Undeveloped Lands were derived by Rockingham Planning Commission from GIS overlay analysis of developed classes of Exeter Land Use data, Regional Developed/Non-Developed Lands, existing road centerlines (Class VI roads excluded) and USGS mapped surface water bodies. Developed areas and road centerlines were used to split or 'fragment' the region into undeveloped, roadless tracts of land. The resulting areas have been colored base on acreage ranges. This layer produced: June 13, 2003.

inputs include:
Exeter Land Use information was derived from interpretation of digital orthophoto images of 1:4800 scale aerial photographs taken in 1998 by the Agricultural Stabilization and Conservation Service. This information was supplemented with visual field verification to update the map layer to April 2002.

Developed/Non-Developed Lands were mapped from manual interpretation of digital orthophotography taken in 1998. Developed areas comprise housing, industrial/commercial areas, parking lots, limited access highways, cemeteries, athletic fields, campgrounds, junk yards etc. Data automation and interpretation performed by GRANIT, Complex Systems Research Center, Durham, NH. Data completed July 2002.

Base features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, as 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 within the Rockingham Planning Region have been updated by Rockingham Planning Commission and by NH Department of Transportation through ongoing efforts.



Map CP-6 Conservation Lands & Trails Exeter, New Hampshire

Legend

- - - Trails
- Pedestrian Underpass
- * Unmarked Interior Trail System
- ▲ Points of Access
- RPC Towns
- Exeter Conservation Lands**
- Administration By:*
- Private
- Town
- State or Other Towns
- GRANIT Conservation Lands, Statewide
(shown outside of Exeter only)

MAP DATA SOURCES

Exeter Tax Parcel Data was produced by Cartographic Associates Inc., Littleton, NH. Information shown on this map was received from The Town of Exeter on July 2, 2003.

Trails were mapped by Cartographic Associates Inc. and were obtained from the Town of Exeter.

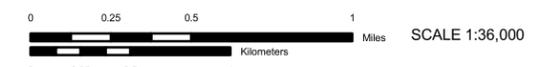
Exeter Conservation Lands were obtained from Cartographic Associates Inc. Data was obtained on July 1, 2003.

Conservation Lands (Outside of Exeter) are from the NH GRANIT database. This database includes parcels of land of two or more acres that are mostly undeveloped and are protected from future development. The data was developed from the records of the Society for the Protection of NH Forests (SPNHF), many of the state agencies, and original research from deeds and tax maps. The last update was completed in the winter of 2002 by NH GRANIT at UNH, Durham. Additional parcels presented here are the result of more recent mapping work at the RPC in an effort to collect other known conservation lands that are not currently listed in the GRANIT database.

Base features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, as 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 within the Rockingham Planning Region have been updated by Rockingham Planning Commission and by NH Department of Transportation through ongoing efforts.

(for areas outside of Exeter)

- | | |
|--------------------------------------|--------------------------|
| — State System Roads | — Stream |
| — Local Roads (Municipal or Private) | — Intermittent Stream |
| — Railroads | — Bodies of Water |
| — Major Power Transmission Lines | — Marsh or Swamp Outline |
| — Major Pipelines | — Town Boundary |



Map CP-7 Tax Lots under 'Current Use' Exeter, New Hampshire

Legend

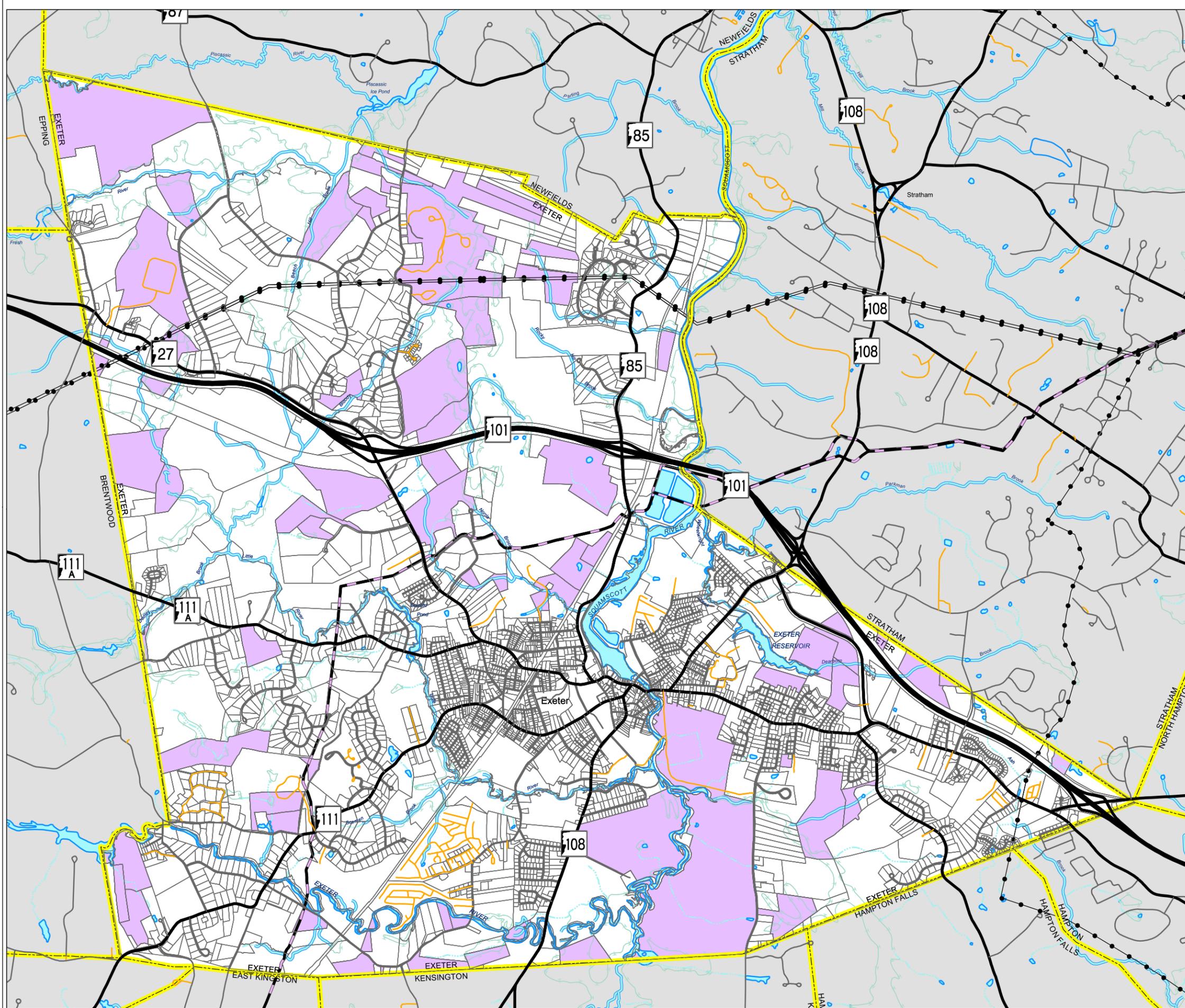
- Parcels in Current Use (January 15, 2003)
- Tax Lot Boundary

MAP DATA SOURCES

Tax Lots under 'Current Use' were obtained from the Town of Exeter Assessing Office on January 15, 2003. Exeter tax parcel data was produced by Cartographic Associates Inc., Littleton, NH. Information shown on this map was received from The Town of Exeter on July 2, 2003.

Base features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, as 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 within the Rockingham Planning Region have been updated by Rockingham Planning Commission and by NH Department of Transportation through ongoing efforts.

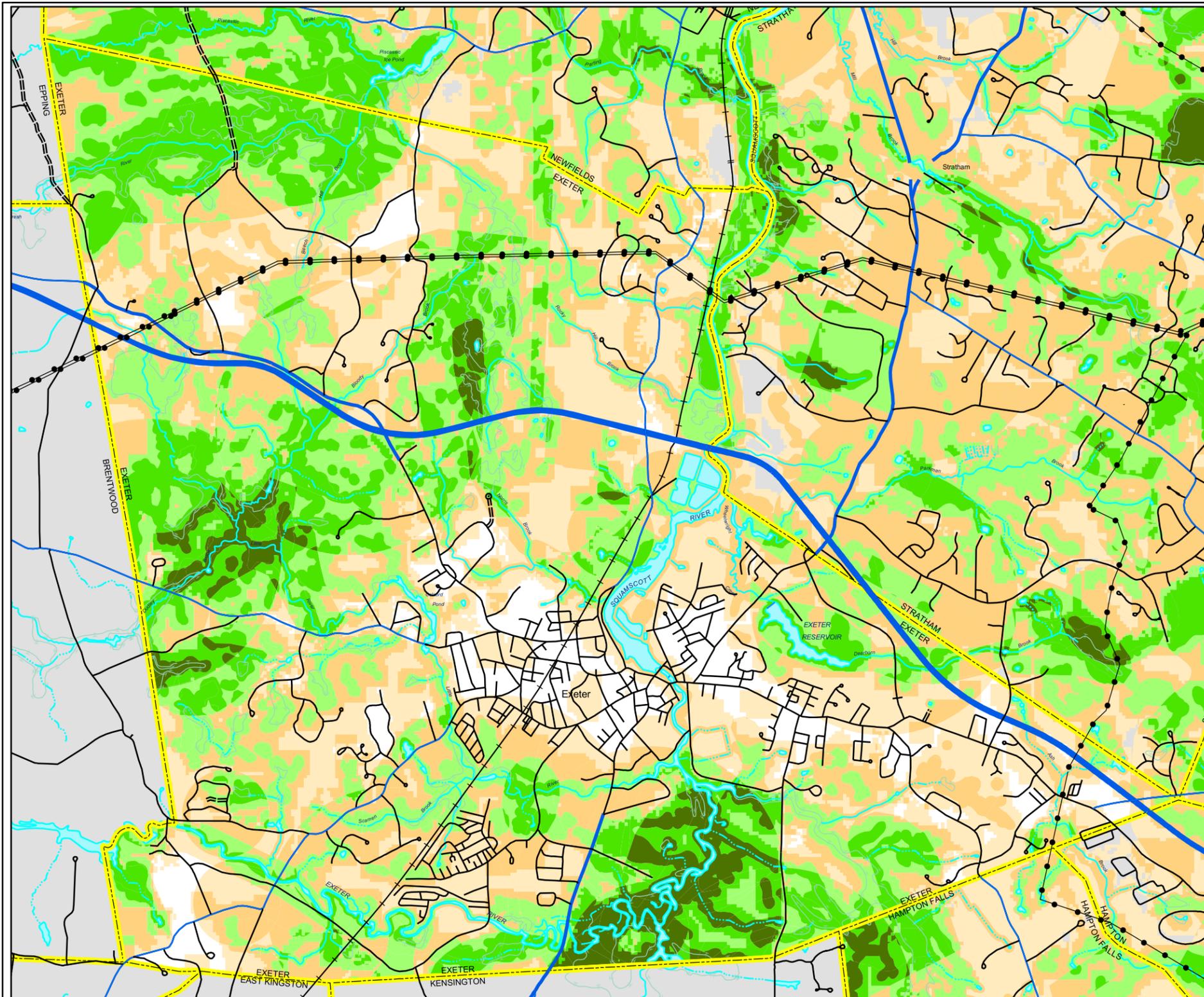
- | | |
|------------------------------------|------------------------|
| State System Roads | Stream |
| Local Roads (Municipal or Private) | Intermittent Stream |
| Railroads | Bodies of Water |
| Major Power Transmission Lines | Marsh or Swamp Outline |
| Major Pipelines | Town Boundary |



Map CP-8

NEW HAMPSHIRE ESTUARIES PROJECT CRITICAL LANDS ANALYSIS

PHASE III - IMPORTANT LAND RESOURCES - Town of Exeter



Number of Land Resources

- One Land Resource Type Occurs
- Two Land Resource Types Co-Occur
- Three Land Resource Types Co-Occur
- Four Land Resource Types Co-Occur
- Five Land Resource Types Co-Occur

Map Description

The objective of the NH Estuaries Project Critical Lands Analysis is to identify vacant, developable lands within the 19 coastal communities, and to determine which of those lands have outstanding characteristics that are important to maintaining the environmental quality of the watershed. The effort consists of four phases:
 Phase I - identification of remaining developable lands;
 Phase II - characterization of the remaining developable lands with respect to their favorability for development;
 Phase III - identification of important or critical areas within the remaining developable lands;
 Phase IV - analysis of remaining developable lands and important critical areas as they relate to municipal zoning.
 This map represents the results of Phase III of the analysis, and displays lands that are considered important or critical based on specific project criteria. The criteria represent a broad set of resource values, and include water quality buffers, potential wildlife habitat, locally important lands, water resources, and large, unfragmented tracts of natural communities. Based on these five elements, the map displays the number of criteria that co-occur at a given location. The specific land areas included in each of the five individual criterion are displayed under the main body of the map.

- | | | |
|------------------------------------|----------------------------|------------------------|
| State Primary System | Town Boundary | Shoreline; Stream |
| State Secondary System | Outside the Study Boundary | Apparent Wetland Limit |
| Local Roads (Municipal or Private) | Power Transmission Line | Intermittent Stream |
| Ramp / Other | Railroad | Surface Water |
| Unmaintained Roads (Class VI) | | |
| Trail | | |



DATA SOURCES:

Water Quality Buffers - digitally generated around all surface water features and wetlands utilized in Phases I and II of the analysis. Surface water features were retrieved from the US Geological Survey Digital Line Graphs, 1:24,000-1:25,000. Wetlands were based on 4 sources:

- 1) very poorly drained soils as delineated by USDA Natural Resource Conservation Service, (Rockingham County Soil Survey, 1:20,000, 1991 and Strafford County Soil Survey, 1:24,000, 1973);
- 2) US Fish & Wildlife Service 1:24,000-scale National Wetlands Inventory maps;
- 3) salt marshes delineated from the 1988 aerial photography and automated by CSRC;
- 4) Great Bay wetlands, mapped by Jackson Estuarine Lab, UNH

Potential Wildlife Habitat - Composite of data from 3 sources:

- 1) Sprinkle, K. "Identification of Important Habitats in the Great Bay Focus Area using a Geographic Information System", May 1996, US Fish & Wildlife Service;
- 2) Banner, A. and Hayes, G. "Identification of Important Habitats in Coastal New Hampshire", November 1996, US Fish & Wildlife Service; and
- 3) General locations of rare plants, wildlife and plant communities as provided by the NH Natural Heritage Inventory Program in digital form, March 1997.

Locally Important Land - derived from Brickner-Woods, Den, "Locally Important Conservation Lands", NH Coastal Initiative Project as funded by the Society for the Protection of NH Forests, June 1995. Data automated by US Fish & Wildlife Service, May 1996.

Water Resources - Composite of data from 2 sources:

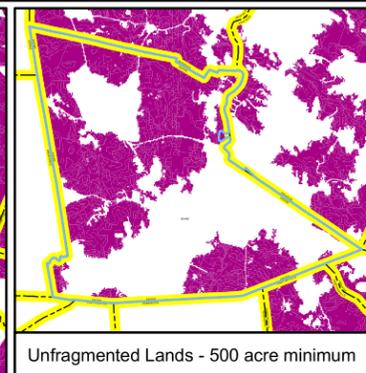
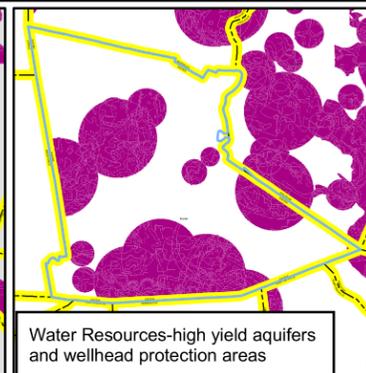
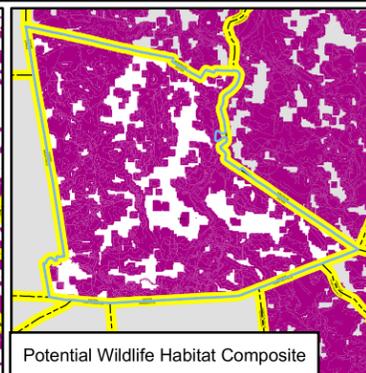
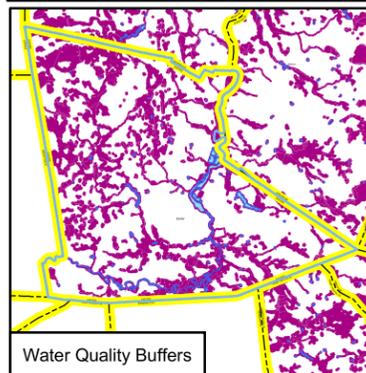
- 1) High-yield aquifers (transmissivity > 2000 ft. sq. per day) based on 1:24,000-scale data mapped by US Geological Survey, Pembroke, NH for the Cochecho, Lamprey, and Lower Merrimack study areas; and
- 2) Wellhead protection areas, as mapped by NH Department of Environmental Services, 1:24,000, March 1996.

Unfragmented Lands - Digitally generated from overlaying roads (see Road Centerlines) and land cover data processed from Landsat Thematic Mapper Imagery, September 1990, and May 1988, and developed by CSRC. Tracts 500 acres or greater were included in the analysis.

Road Centerlines - Road centerlines were mapped by the NH Department of Transportation, and provided to NH GRANIT in digital form. Data used for the analysis was transferred in May, 1997.

Other Base Layers - Surface water, railroads, transmission lines, and political boundaries were derived from the US Geological Survey Digital Line Graphs, 1:24,000-1:25,000, as archived in the NH GRANIT database.

Digital Data in NH GRANIT represent the efforts of the contributing agencies to record information from the cited source materials. Complex Systems Research Center (CSRC), under contract to the Office of State Planning (OSP), and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. OSP, CSRC, and the cooperating agencies make no claim as to the validity or reliability or to any implied uses of these data.



Map CP-9 Candidate Areas for Conservation Zoning & Additional Conservation Land Exeter, New Hampshire



- A - Land areas containing large blocks of unfragmented land with highest value for water supply protection and resource co-occurrence.
- B - Land areas with large and mid sized blocks of unfragmented land with high to moderate resource value and contiguous with existing conservation land.
- C - Land areas with mid and smaller sized blocks of unfragmented land with high to moderate resource value but generally not contiguous with existing conservation land.

- Exeter Conservation Lands**
Administration By:
- Private
 - Town
 - State or Other Towns
 - GRANIT Conservation Lands, Statewide (shown outside of Exeter only)

MAP DATA SOURCES

Candidate Areas labeled "A" "B" and "C" were identified by the Conservation Preservation Chapter Subcommittee of Exeter Master Plan Committee, using the following source maps:
 Exeter Water Resources Map
 Unfragmented Lands Map
 Resource Co-occurrence Map
 Existing Current Use Parcel Map
 Conservation Lands Map

Exeter Tax Parcel Data was produced by Cartographic Associates Inc., Littleton, NH. Information shown on this map was received from The Town of Exeter on July 2, 2003

Exeter Conservation Lands were obtained from Cartographic Associates Inc. on July 1, 2003.

Conservation Lands (Outside of Exeter) are from the NH GRANIT database. This database includes parcels of land of two or more acres that are mostly undeveloped and are protected from future development. The data was developed from the records of the Society for the Protection of NH Forests (SPNHF), many of the state agencies, and original research from deeds and tax maps. The last update was completed in the winter of 2002 by NH GRANIT at UNH, Durham. Additional parcels presented here are the result of more recent mapping work at the RPC in an effort to collect other known conservation lands that are not currently listed in the GRANIT database.

Base features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, as 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 within the Rockingham Planning Region have been updated by Rockingham Planning Commission and by NH Department of Transportation through ongoing efforts.

- (for areas outside of Exeter)
- | | |
|------------------------------------|------------------------|
| State System Roads | Stream |
| Local Roads (Municipal or Private) | Intermittent Stream |
| Railroads | Bodies of Water |
| Major Power Transmission Lines | Marsh or Swamp Outline |
| Major Pipelines | Town Boundary |

