

SOILS

Jaffrey, New Hampshire

- Conservation and Public Lands

Surface Water

Streams

Perennial

Intermittent
- Jaffrey Boundaries

Municipal Boundaries

County Boundaries
- Summits

Roads

Highways

Local Roads

Unmaintained Roads
- Agricultural Soils

Prime farmland

Farmland of statewide importance

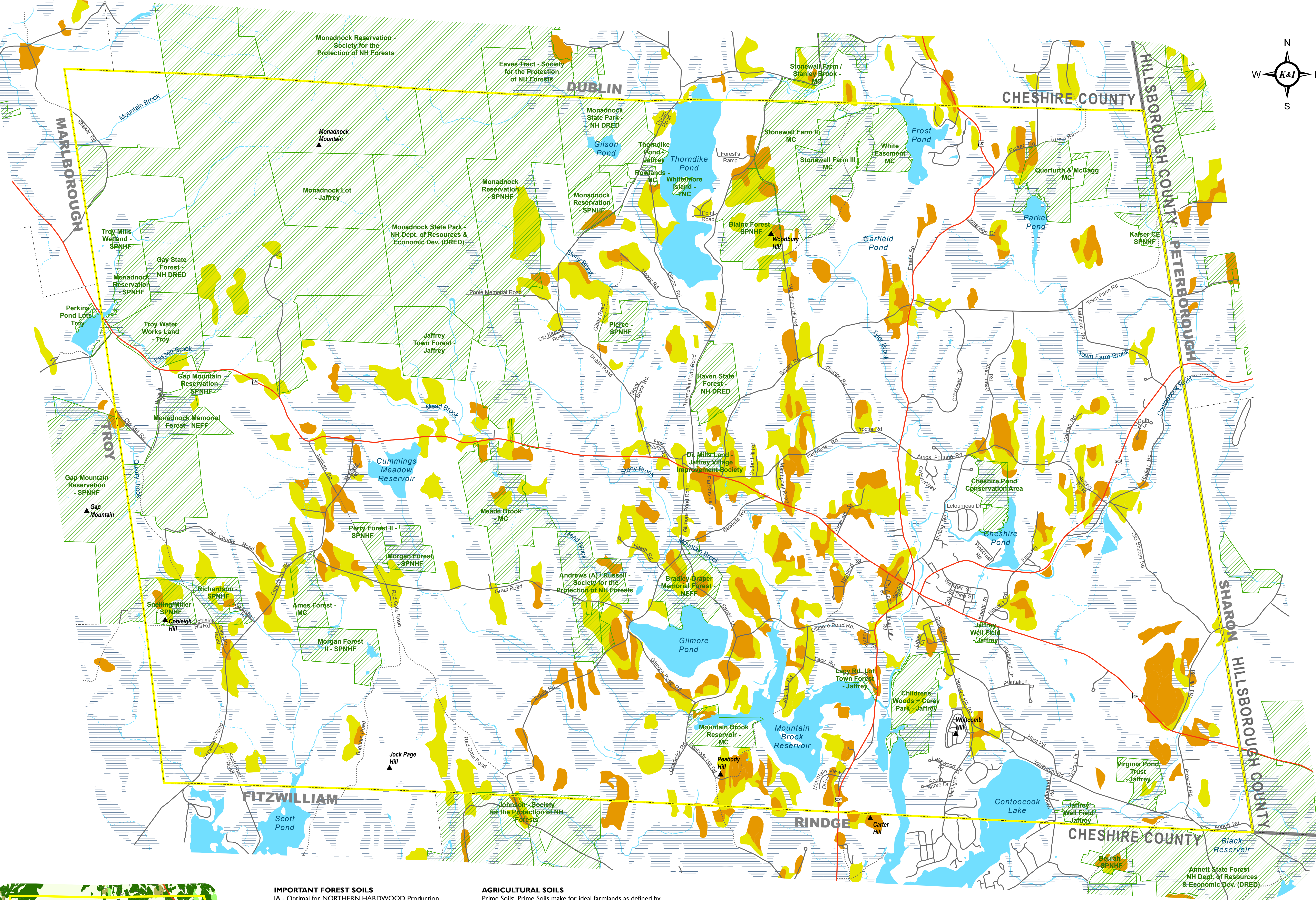
Hydric Soils

**DATA SOURCES:**  
**NH GRANIT:** All datasets displayed on this map are provided by NH GRANIT unless otherwise noted. Digital data in NH GRANIT represent the efforts of the contributing agencies to record information from the cited source materials. Complex Systems Research Center, under contract to the NH Office of Energy and Planning, and in consultation with cooperating agencies, maintains a continuing program to identify and correct errors in these data. OEP, CSRC, and the cooperating agencies make no claim as to the validity or reliability or to any implied uses of these data.

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**NATURAL RESOURCE INVENTORY**  
This map is part of a series produced as part of a natural resource inventory for the Jaffrey, NH Conservation Commission. The inventory gives a comprehensive illustration of Jaffrey's natural, cultural, and historic resources to inform land and resource use decisions. The various resources are described in detail in the accompanying document *A Natural and Cultural Resource Inventory and Land Conservation Plan*, produced by Kane and Ingraham and available from the Jaffrey Conservation Commission.

This map was created and published by Kane and Ingraham, April, 2009.



- Important Forest Soils
- IA (optimal for northern hardwoods)

IB (optimal for hardwood - beech)

IC (optimal for softwoods)

**IMPORTANT FOREST SOILS**  
**IA - Optimal for NORTHERN HARDWOOD Production**  
These soils are fertile, deep, and well-drained soils favoring shade tolerant hardwoods such as sugar maple and beech. Other species found on successional stands may include red maple, white birch, yellow birch, aspen, white ash, and northern red oak. Sometimes in combination with red and white spruce, balsam fir, hemlock, and occasionally white pine.

**IB - Optimal for BEECH / HARDWOOD Production**  
These soils are sandy or loamy, well-drained, and slightly less fertile than those in group IA. Successional trends favor a climax of tolerant hardwoods, predominantly beech. Successional stands are commonly composed of a variety of hardwood species such as red maple, aspen, paper birch, yellow birch, sugar maple, and beech, in combinations with red spruce, balsam fir, and hemlock.

**IC - Optimal for SOFTWOOD Production**  
The soils in this group are coarse-textured outwash sands and gravels. Soils are very well-drained, favoring softwood growth. Successional trends are toward stands of shade tolerant softwoods, i.e., red spruce and hemlock. Balsam fir is a persistent component in many stands, but is shorter lived than red spruce and hemlock. These soils are ideal for white pine, but may also see slight competition from red maple, aspen, and paper birch in mid-successional stands.

See inset map to left.

**AGRICULTURAL SOILS**  
**Prime Soils:** Prime Soils make for ideal farmlands as defined by the Farmland Protection Policy Act of 1981. Broadly speaking these soils are deep, fine, low slope, have a relatively high pH, and have moderate moisture regime.

**Farmland of Statewide Importance:** Farmland of Statewide Importance is not prime but has been determined to be significant for the production of food, feed, fiber, forage, and oilseed crops by the New Hampshire Agriculture Commission.

**HYDRIC SOILS**  
These soils formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part. In NH, hydric soils along with hydrophytic vegetation and wetland hydrology are used to define wetlands. Hydric soils displayed here include those designated by NRCS as "poorly drained" or "very poorly drained". While hydric soils do not indicate wetland type in the same way as the National Wetlands Inventory (e.g. marsh, fen, etc.) they offer another indication of the extent of wetlands in Jaffrey.

1:18,000  
(1 inch equals approximately 0.3 miles)

0 1,000 2,000 4,000 6,000 8,000 10,000 Feet

0 0.5 1 2 Miles

LIVE FREE OR DIE

THANKS

HAMPSHIRE

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TOWN OF JAFFREY

SEAL

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SOILS – Jaffrey, New Hampshire

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