

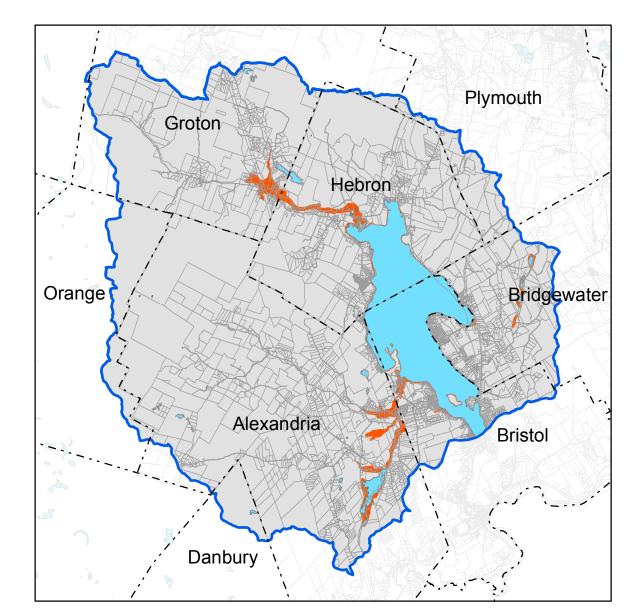
Alexandria

Bridgewater Bristol

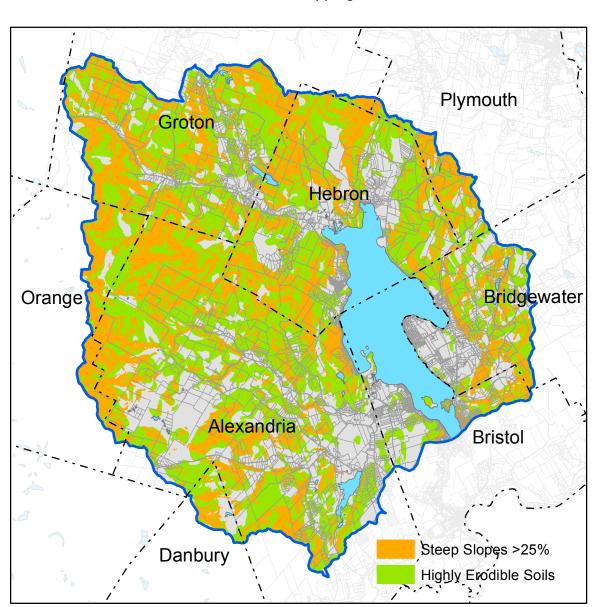
Groton

Plymouth Bridgewater Source: NRCS Soil Survey for Grafton County: Hydric Soils

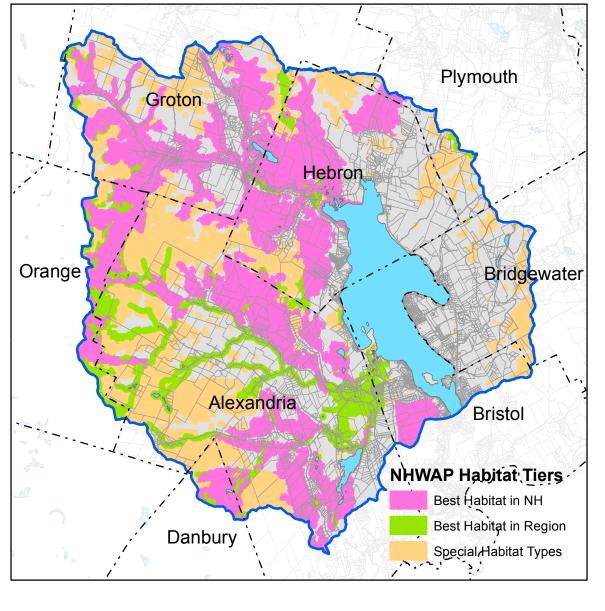
Wetlands



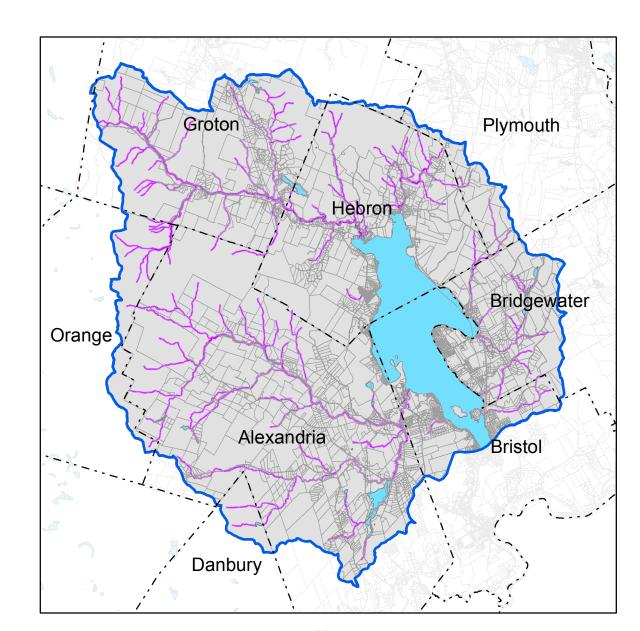
Floodplains Source: FEMA/DFIRM Flood Insurance Mapping



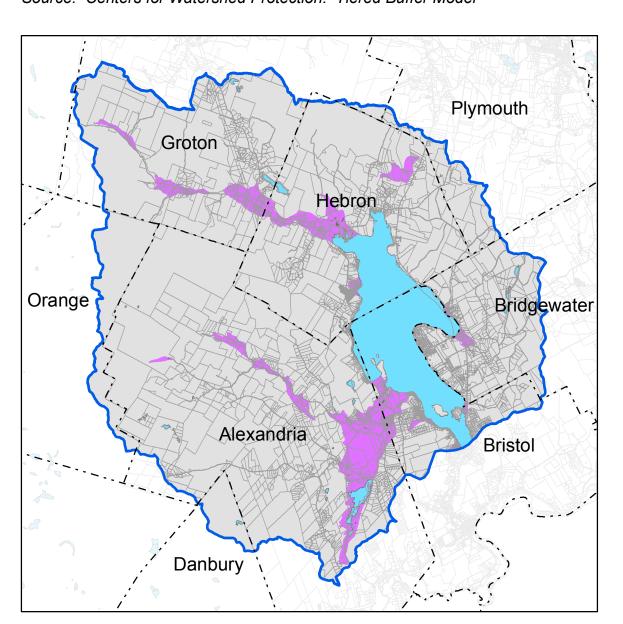
Steep Slopes & Highly Erodible Soils Source: USGS Digital Elevation Model; NRCS Soil Survey Grafton County



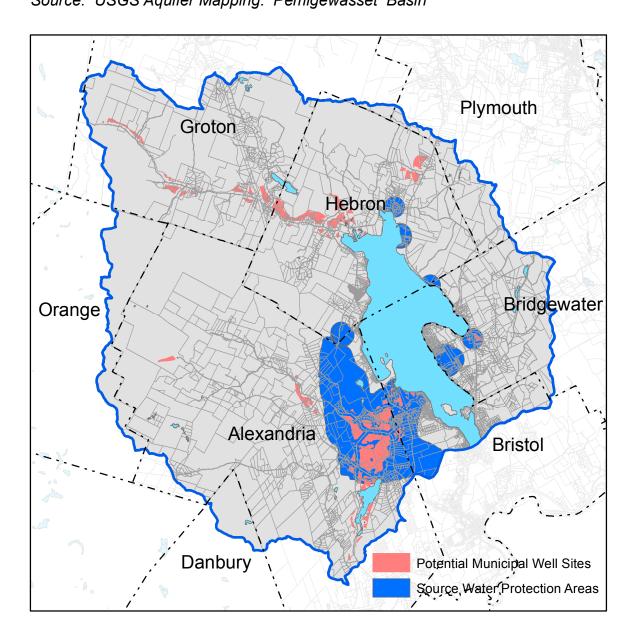
NHWAP Habitat Types & Quality Source: NH Fish & Game Dept.: NH Wildlife Action Plan



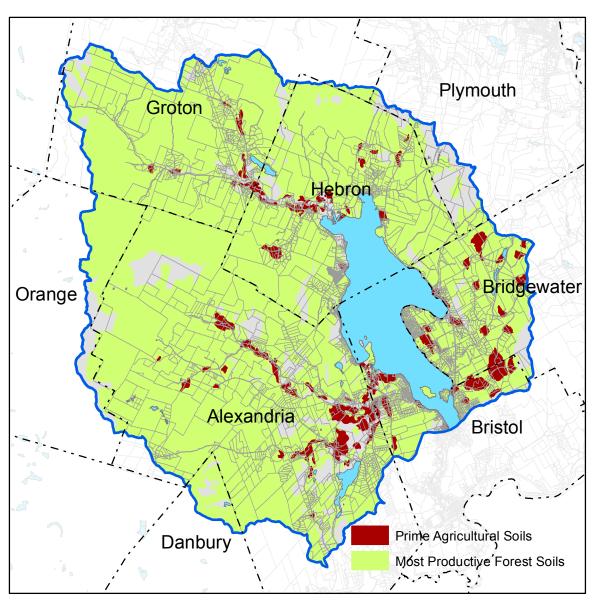
Tiered Riparian Buffers Source: Centers for Watershed Protection: Tiered Buffer Model



Aquifers Source: USGS Aquifer Mapping: Pemigewasset Basin



Drinking Water Protection Source: NHDES Source Water Protection Program Mapping



Productive Soils Source: NRCS Soil Survey Grafton County

Natural Resources Co-Occurrence Map

Newfound Lake Watershed Master Plan









Town of Groton

Notes

Purpose

This map is intended to provide guidance to local decision-makers from two perspectives: suitability for development and land conservation priorities. Both approaches provide positive water quality benefits to Newfound Lake. From a water quality enhancement point of view, conserving the following natural resource features in the map are important to maintaining water quality in the Newfound Lake watershed (in rank order): riparian corridors, wetlands, floodplains, steep slopes, and highly erodible soils. Other resources important to local conservation planning include: aquifers, drinking water protection, high quality wildlife habitat, special wildlife habitats, prime agricultural soils, and most productive forest soils.

Co-Occurrence Mapping

The inset maps display a range of natural resource features which have been processed by GIS (computerized geographic information system) to identify areas where multiple resources are co-located. Each resource feature has a numerical value of 1; the scoring in the legend and the presence of lighter or darker colors in the map reflect the number of resource features existing in any given location. Areas with darker colors typically represent more natural resource features, higher sensitivity to new development and/or higher conservation priorities.

The inset maps to the right illustrate the extent and distribution of the natural resource features considered in the co-occurrence map. The major transmission line right-of-way through Groton and Alexandria is also included in the co-occurrence mapping as a development constraint.

See the accompanying technical report for more detail on each natural resource feature and interpretation of importance to development suitability and conservation value.

Protection Statistics

The table included on the map provides a summary of the acres of each natural resource feature by municipality, as well as the status of permanent protection in 2014, based on the most current information available for conservation and public lands.

Plymouth **Watershed Total Percent of Watershed Total Acres** Acres of Resource Conserved In Each Municipality Bridgewater Bristol Danbury Groton Plymouth **Watershed Total Percent of Resource Conserved In Each Municipality** Alexandria Bridgewater

Status of Resource Protection in the Newfound Lake Watershed -- 2014

Funding for this project was provided in part by a grant from the NH Department of Environmental Services with funding from the US Environmental Protection Agency under Section 319 of the Clean Water Act