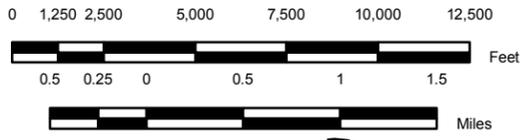


ECOLOGICAL CONDITION
HABITAT RANKINGS MAP
OF
GILFORD
NEW HAMPSHIRE

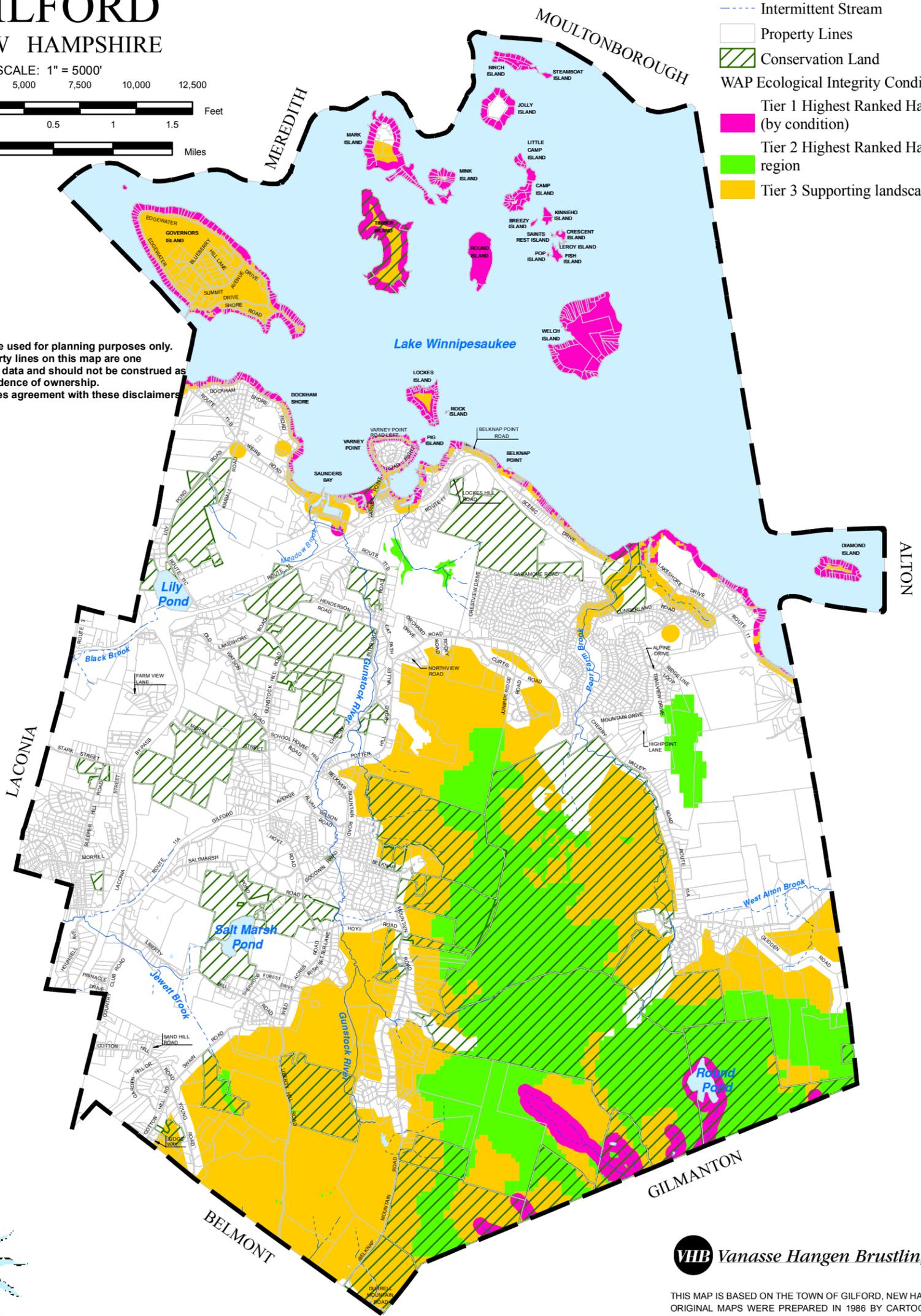
SCALE: 1" = 5000'



Legend

- Perennial Stream
- Intermittent Stream
- Property Lines
- Conservation Land
- WAP Ecological Integrity Condition Rank**
- Tier 1 Highest Ranked Habitat in NH (by condition)
- Tier 2 Highest Ranked Habitat in biological region
- Tier 3 Supporting landscapes

This map is intended to be used for planning purposes only. Representations of property lines on this map are one interpretation of available data and should not be construed as binding or conclusive evidence of ownership. Use of this map constitutes agreement with these disclaimers.



Map Prepared By Blue Moon Environmental, Inc.

VHB Vanasse Hangen Brustlin, Inc.



THIS MAP IS BASED ON THE TOWN OF GILFORD, NEW HAMPSHIRE PROPERTY MAPS. ORIGINAL MAPS WERE PREPARED IN 1986 BY CARTOGRAPHIC ASSOCIATES, INC. A MAJOR REVISION OF THE MAPS AND DIGITAL DATA WAS PRODUCED IN 2005. THIS MAP IS INTENDED FOR REFERENCE AND PLANNING PURPOSES ONLY.

Town of Gilford
New Hampshire
Ecological Condition
Habitat Rankings Map

Information about habitat condition was analyzed to develop a statewide and regional ranking and identify the highest condition habitat relative to all polygons of a given habitat type in the state. Tiers were determined by assigning threshold values to each habitat type. The Tier 1 rating was given to areas that contain the highest condition rank in the state. Tier 2 areas contain the highest condition rank in the biological region (defined by the TNC Ecological Subsection for terrestrial habitats or the Watershed Group for wetland and aquatic habitats). Tier 3 includes other significant factors such as watersheds containing top-ranked condition stream and lakes, large forest blocks of statewide significance, or specific animal, plant and natural community occurrences identified by NHEG as critically imperiled or by NHHB as highest importance.

Habitat Condition

Tier 1: Highest Ranked in State - 24,213 Ac (Includes Lake Winnepesaukee)
15,209 Ac (Excludes Lake Winnepesaukee)

Tier 2: Highest Ranked in Biological Condition - 3,809 Ac

Tier 3: Supporting Landscape - 8,673 Ac

- Human Impact:**
 - Calcium depletion index/ risk from acid deposition
 - Mercury deposition
 - Wind power potential
 - Percent in Conservation
 - Number of dams and impounded area upstream
 - Wetlands adjacent to a water body subject to drawdown
 - Wetlands impacted by alterations
 - Timber harvest, partial and clearcut
 - Road density and/or distance to nearest road
 - Buildable area or risk to development based on statewide general buildout
 - Recreation use, e.g. cliffs listed in climbing books, density of hiking trails
 - 1990 and 2000 US Census data, population and housing density
 - Impervious surface and developed land use with upland buffer of wetlands, peatlands, forest floodplain, saltmarsh
 - Relative area impacted by invasive plant species
 - Fragmentation or Mean IFES score
- Biological:**
 - Richness of rare wildlife
 - Richness of rare wildlife within their dispersal distances from each habitat
 - Richness of all vertebrate wildlife
 - Richness of rare plants
 - Richness of natural communities
- Landscape:**
 - Size of each habitat
 - Shape index
 - Proportion of habitat that is wetland
 - Proximity index or distance to nearest neighbor of same habitat type
 - Ecological Land Unit Diversity

Data

Besides data from the Base Map, this map has the following:
Highest Ranked in Biological Condition, Highest Ranked in State, Supporting Landscapes data layer from NH Fish & Game Wildlife Action Plan (GIS Data Updated Spring 2010)



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 Energy & Planning (OEP), and in conjunction with cooperating agencies, maintains a continuing program to identify and correct errors in these data. Neither OEP nor CSRC make any claim as to the validity or reliability or to any implied uses of these data.

As of March 2011, this data represents the best of our knowledge.

Gilford, NH
Natural Resources Inventory

March 2011 **Figure 18**