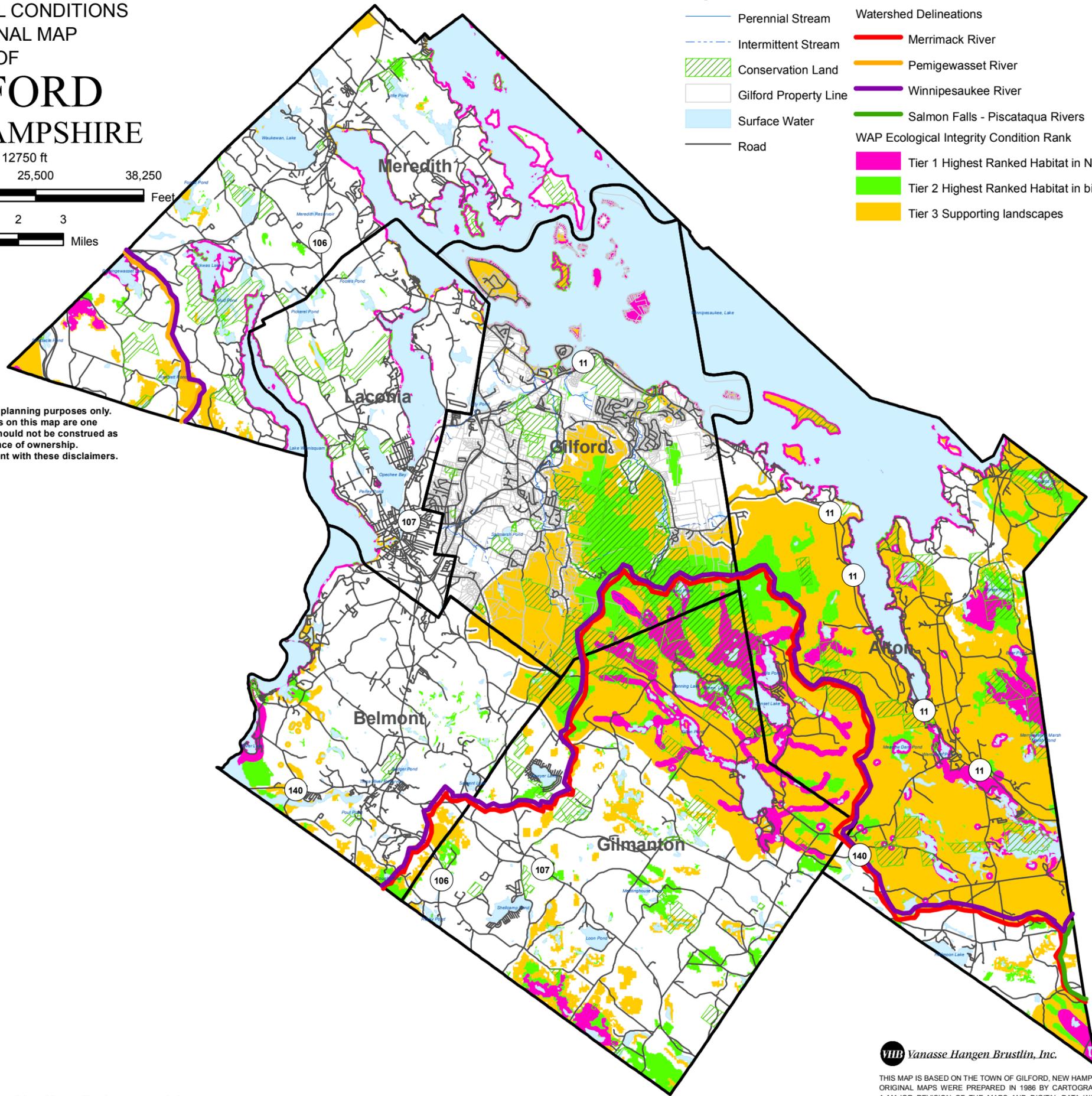
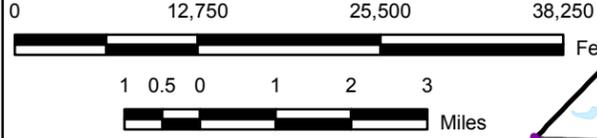


WILDLIFE ACTION PLAN
ECOLOGICAL CONDITIONS
REGIONAL MAP
OF
GILFORD
NEW HAMPSHIRE

SCALE: 1" = 12750 ft



Legend

- | | |
|-----------------------|--|
| Perennial Stream | Watershed Delineations |
| Intermittent Stream | Merrimack River |
| Conservation Land | Pemigewasset River |
| Gilford Property Line | Winnipisaukee River |
| Surface Water | Salmon Falls - Piscataqua Rivers |
| Road | 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.

Town of Gilford
New Hampshire
Wildlife Action Plan Ecological
Conditions Regional 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 Ecoregional 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 NHFG as critically imperiled or by NHHNB as highest importance.

- Human Impact:**
- Cation depletion index/ risk from acid deposition
 - Mercury deposition
 - Wind power potential
 - Percent in Conservation
 - Number of dams and impounded area upstream
 - Number of forest floodplain complexes
 - 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
- 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
- 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

Data

Besides data from the Base Map, this map has the following:

Conservation Land layer includes data from the Nature Conservancy, the Belknap Range Conservation Coalition, and NH GRANIT Database. Town lines, Watershed, Stream and Road data from NHGRANIT Database. Ecological Conditions data from the NH Fish & Game Department's Wildlife Action Plan.



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

As of January 2010, this data represents the best of our knowledge.

Gilford, NH
Natural Resources Inventory
January 2010 **Figure 19**



Map Prepared By Blue Moon Environmental, Inc.

VHB Yanasse 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.

