

Final Draft Town of Warner New Hampshire



Much of the data utilized here represents stock data sets obtained from the NH GRANIT database as maintained by the Complex Systems Research Center (CSRC) at the University of New Hampshire (UNH). The New Hampshire Geographically Referenced Analysis and Information Transfer System (NH GRANIT) is a cooperative project to create, maintain, and make available a statewide geographic data base serving the information needs of state, regional, and local decision-makers.

Water Resources

Legend

- | | | |
|--------------------|-----------------------------------|---|
| Warner | Watershed Boundaries | Potential Source Water Hazards |
| Neighboring Towns | wetlands | Groundwater Hazards Inventory |
| Conservation Lands | River | Aboveground Storage Tanks |
| Contours | Lake/Pond/Reservoir | Underground Storage Tanks |
| 20' Contour | Perennial Stream | Auto Salvage Yards |
| 100' Contour | Intermittent Stream | Active Point Potential Pollution |
| Roads | 100 Year Flood Zone | Public Drinking Water Supply Sources |
| Interstate | 75' Warner Zoning Buffer | Sanitary Radii |
| State | 250' CSPA Shorelands Buffer | Stratified Drift Aquifer by Transmissivity |
| Local | TMAX >= 1000 ft ² /day | 500 - 1,000 ft ² /day |
| Class 5 | Well Head Protection Area | 2,000 - 3,000 |
| Class 5 Seasonal | | 3,000 - 4,000 |
| Class 6 | | 4,000 - 8,000+ |
- ***Transmissivity
1000ft/day = probable
75 gpm well yield
which is a minimum for municipal water supplies.
2000ft/day = 150 gpm, preferred minimum

POTENTIALLY FAVORABLE GRAVEL WELL ANALYSIS

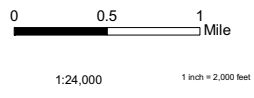
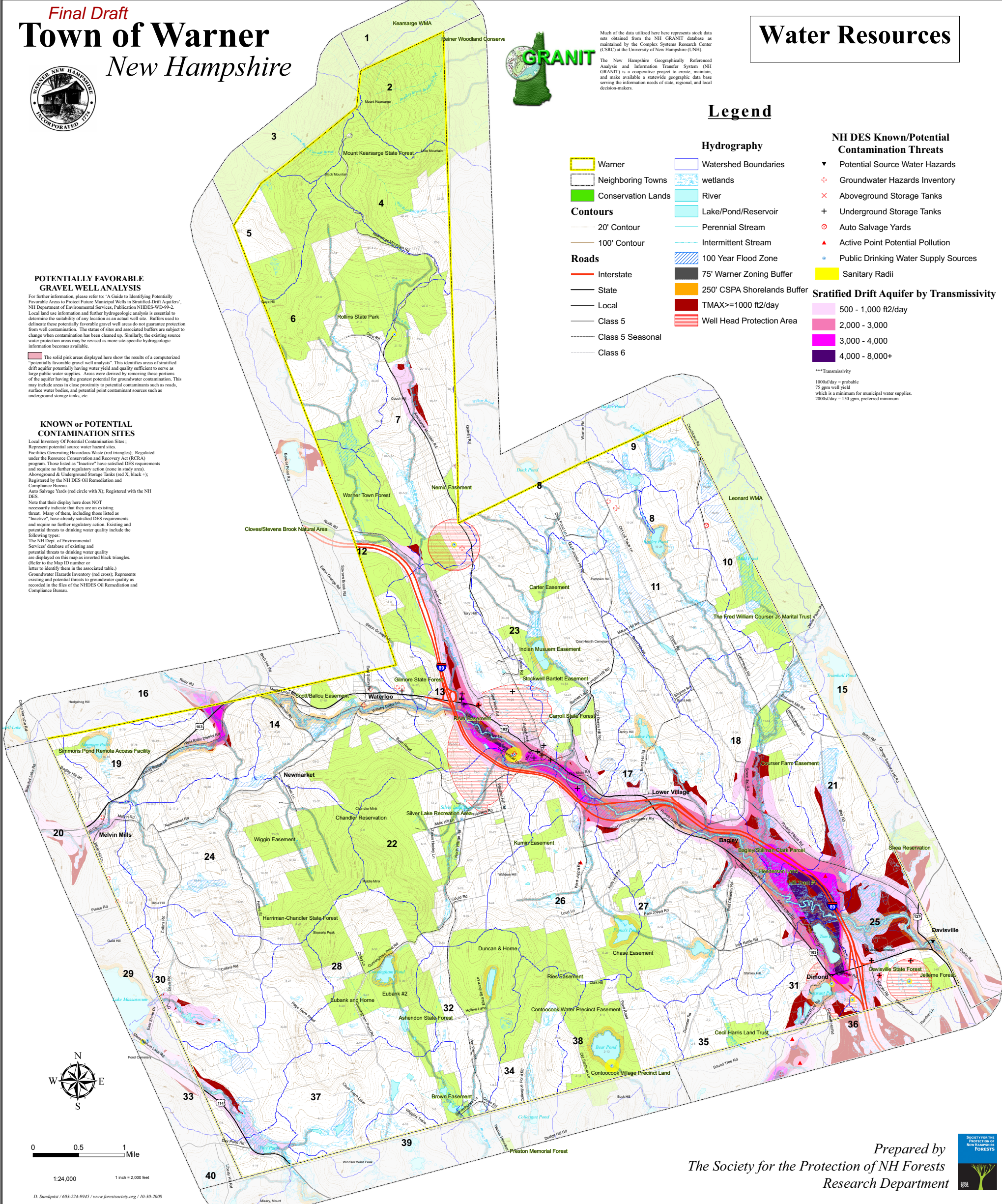
For further information, please refer to: "A Guide to Identifying Potentially Favorable Areas to Protect Future Municipal Wells in Stratified-Drift Aquifers", NH Department of Environmental Services, Publication NHDES-WD-99-2. Local land use information and further hydrogeologic analysis is essential to determine the suitability of any location as an actual well site. Buffers used to delineate these potentially favorable gravel well areas do not guarantee protection from well contamination. The status of sites and associated buffers are subject to change when contamination has been cleaned up. Similarly, the existing source water protection areas may be revised as more site-specific hydrogeologic information becomes available.

The solid pink areas displayed here show the results of a computerized "potentially favorable gravel well analysis". This identifies areas of stratified drift aquifer potentially having water yield and quality sufficient to serve as large public water supplies. Areas were derived by removing those portions of the aquifer having the greatest potential for groundwater contamination. This may include areas in close proximity to potential contaminants such as roads, surface water bodies, and potential point contaminant sources such as underground storage tanks, etc.

KNOWN or POTENTIAL CONTAMINATION SITES

Local Inventory Of Potential Contamination Sites:
Represent potential source water hazard sites.
Facilities Generating Hazardous Waste (red triangles): Regulated under the Resource Conservation and Recovery Act (RCRA) program. Those listed as "inactive" have satisfied DES requirements and require no further regulatory action (none in study area).
Aboveground & Underground Storage Tanks (red X, black +): Registered by the NH DES Oil Remediation and Compliance Bureau.
Auto Salvage Yards (red circle with X): Registered with the NH DES.

Note that their display here does NOT necessarily indicate that they are an existing threat. Many of them, including those listed as "inactive", have already satisfied DES requirements and require no further regulatory action. Existing and potential threats to drinking water quality include the following types:
The NH Dept. of Environmental Services' database of existing and potential threats to drinking water quality are displayed on this map as inverted black triangles. (Refer to the Map ID number or letter to identify them in the associated table.)
Groundwater Hazards Inventory (red cross): Represents existing and potential threats to groundwater quality as recorded in the files of the NHDES Oil Remediation and Compliance Bureau.



1:24,000

Prepared by
The Society for the Protection of NH Forests
Research Department

