

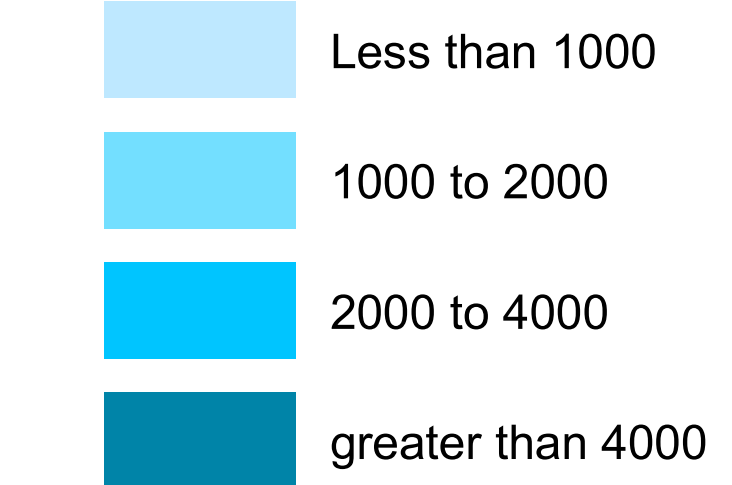
# Stratified Drift Aquifers Map Rye, New Hampshire

June 2003

## LEGEND

Transmissivity in Feet Squared per Day of

### Stratified-Drift Aquifers in the Lower Merrimack and Coastal River Basins



## BASE FEATURES

<p><b>Roads by Legislative Class</b></p> <ul style="list-style-type: none"> <li><span style="color: red;">—</span> Class I - Primary System</li> <li><span style="color: blue;">—</span> Class II - Secondary System</li> <li><span style="color: green;">—</span> Class III - State Recreational</li> <li><span style="color: grey;">—</span> Class IV - within Compacts</li> <li><span style="color: black;">—</span> Class V - Municipal</li> <li><span style="color: black;">- - -</span> Class VI - Unmaintained Municipal</li> <li><span style="color: orange;">—</span> Private</li> </ul>	<p><b>Political Boundaries</b></p> <ul style="list-style-type: none"> <li><span style="color: yellow;">—</span> State Boundary</li> <li><span style="color: yellow;">—</span> County Boundary</li> <li><span style="color: yellow;">—</span> Town Boundary</li> <li><span style="color: black;">—</span> Railroads</li> <li><span style="color: black;">- - -</span> Major Powerlines</li> <li><span style="color: black;">- - -</span> Major Pipelines</li> </ul>	<p><b>Surface Water Features</b></p> <ul style="list-style-type: none"> <li><span style="color: cyan;">—</span> Stream, Shoreline</li> <li><span style="color: cyan;">—</span> Intermittent Stream</li> <li><span style="color: cyan;">—</span> Apparent Wetland Limit</li> <li><span style="color: cyan;">—</span> Other Water Feature</li> <li><span style="color: cyan;">—</span> Bodies of Water</li> <li><span style="color: grey;">—</span> Adjacent Municipalities</li> </ul>
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*This is a static legend for the Rockingham Region. All features may not be present within the extent of this map.*

## MAP DATA SOURCES

**Stratified-Drift Aquifer** data was automated by Complex Systems Research Center, UNH and is archived in the GRANIT Database. The aquifer data was automated from maps generated as part of a larger study of groundwater resources in New Hampshire. The study was conducted under a cooperative agreement between the US Geological Survey and the NH Department of Environmental Services, Water Resources Division. It included an assessment of the aquifers within stratified sand and gravel deposits.

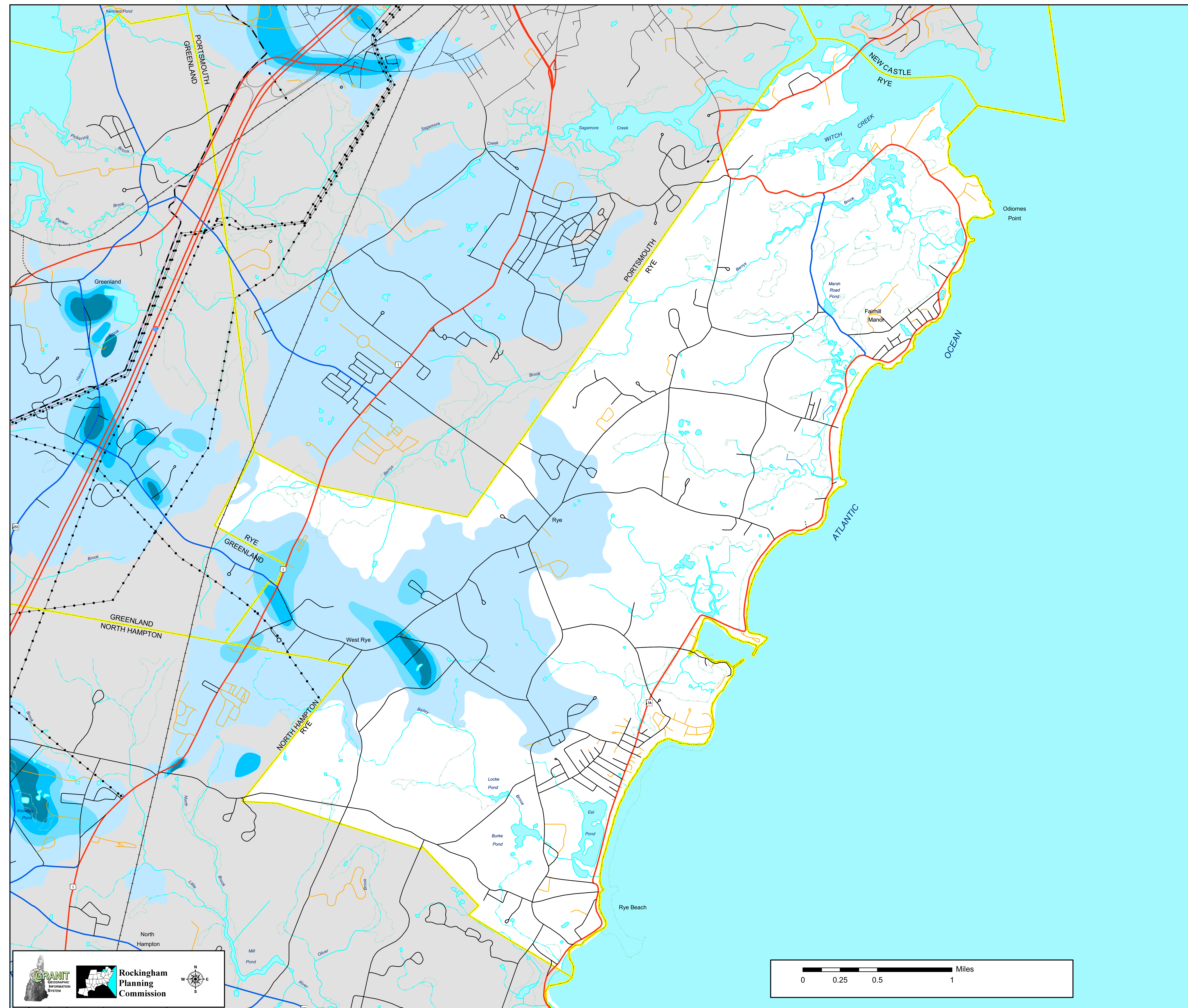
**Transmissivity of Stratified Drift Aquifers** quantifies the ability of an aquifer to transmit water, measured in feet squared per day. Transmissivity/Aquifer data was automated by Complex Systems Research Center, UNH and is archived in the GRANIT Database. The aquifer data was automated from maps generated as part of a larger study of groundwater resources in New Hampshire. The study was conducted under a cooperative agreement between the US Geological Survey and the NH Department of Environmental Services, Water Resources Division. It included an assessment of the aquifers within stratified sand and gravel deposits.

The specific reports that cover the Rockingham Planning Region are the following:  
US Geological Survey Open-File Report 92-95, "Geohydrologic and Ground-Water-Quality Data for Stratified-Drift Aquifers in the Exeter, Lamprey, and Oyster River Basins, Southeastern New Hampshire." This study was prepared in cooperation with the NH Department of Environmental Services, Water Resources Division and was completed in 1992.

US Geological Survey Water-Resources Investigations Report 91-4025, "Geohydrology and Water Quality of Stratified-Drift Aquifers in the Lower Merrimack and Coastal River Basins, Southeastern New Hampshire." This study was prepared in cooperation with the NH Department of Environmental Services, Water Resources Division and was completed in 1992.

**Base Features**  
Base features (transportation, political and hydrographic) were automated from the USGS Digital Line Graph data, 1:24,000, as archived in the GRANIT database at Complex Systems Research Center, Institute for the study of Earth, Oceans and Space, University of New Hampshire, Durham, NH, 1992-1999. The roads within the Rockingham Planning Region have been updated by Rockingham Planning Commission and by NH Department of Transportation through ongoing efforts.

**NOTE:** Base features for areas surrounding the Rockingham Region may be shown on this map. These features were automated from USGS 1:100,000 scale digital data sources. This information was provided for reference only. RPC makes no claim to its completeness or accuracy.



**THIS MAP WAS FUNDED BY A GRANT FROM THE NH OFFICE OF STATE PLANNING**