DELAWARE GEOLOGICAL SURVEY
University of Delaware
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GROUND-WATER RECHARGE POTENTIAL

KENT COUNTY, DELAWARE

Hydrologic Map No. 11
Ground-Water Recharge Potential
Kent County, Delaware

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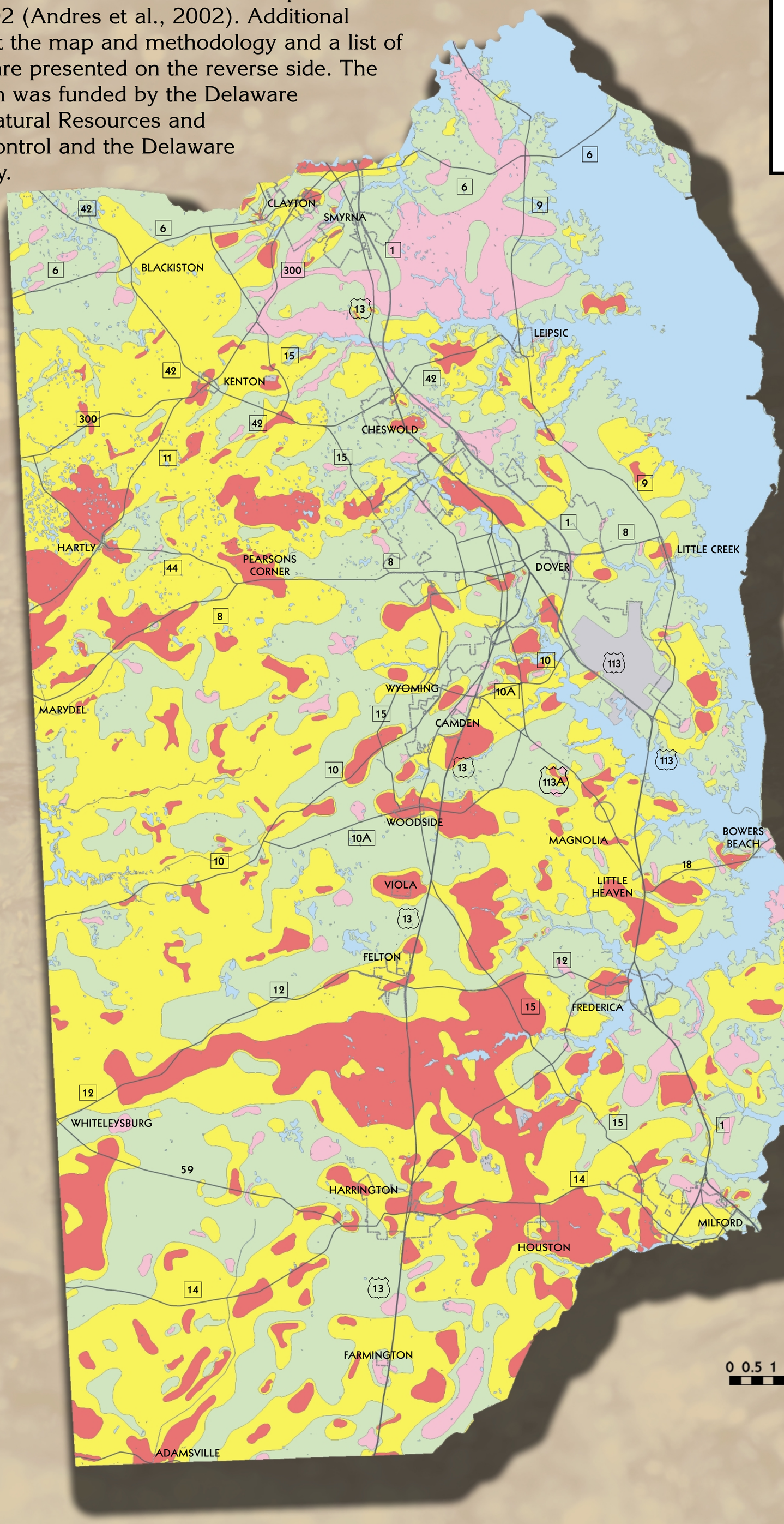
The ground-water recharge potential map of Kent County, Delaware, is a compilation of 1:24,000-scale maps of the water-transmitting properties of sediments in the interval between land surface and 20 ft below land surface. Water-transmitting properties are a key factor in determining the amount of water that recharges Delaware's aquifers and the susceptibility of aquifers used as sources of water supply to contamination from near-surface pollutant sources. The mapping methodology was developed by Andres (1991) for the geologic characteristics of the Atlantic Coastal Plain portion of Delaware. Mapping and methods development started in 1990 and the final maps were completed in 2002 (Andres et al., 2002). Additional information about the map and methodology and a list of cited references are presented on the reverse side. The mapping program was funded by the Delaware Department of Natural Resources and Environmental Control and the Delaware Geological Survey.



Legend

RECHARGE POTENTIAL

- Excellent
- Good
- Fair
- Poor

OTHER FEATURES

- Water/marsh/swamp area
- Borrow pit/fill area
- Municipal boundary
- Roadway
- 13 — U.S. numbered highway
- 10 — State numbered highway
- 59 — State road reference number

0 0.5 1 2 3 4 Miles

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This map was developed through the application of generally accepted geologic principles and practices, and represents knowledge at the time of production. It was derived through interpretation of site-specific boring and outcrop exposure data located across the map area. Thus, the lines on the map must be considered on the basis of the scale at which they are shown and the data from which they were derived. The scale of this map image is set for general display purposes only and is inappropriate for evaluation of recharge potential at individual sites. Persons needing maps at more detailed scales are directed to obtain the digital data (Andres et al., 2002), or contact the Survey offices for assistance. Data used in constructing the map are available at the Survey offices.