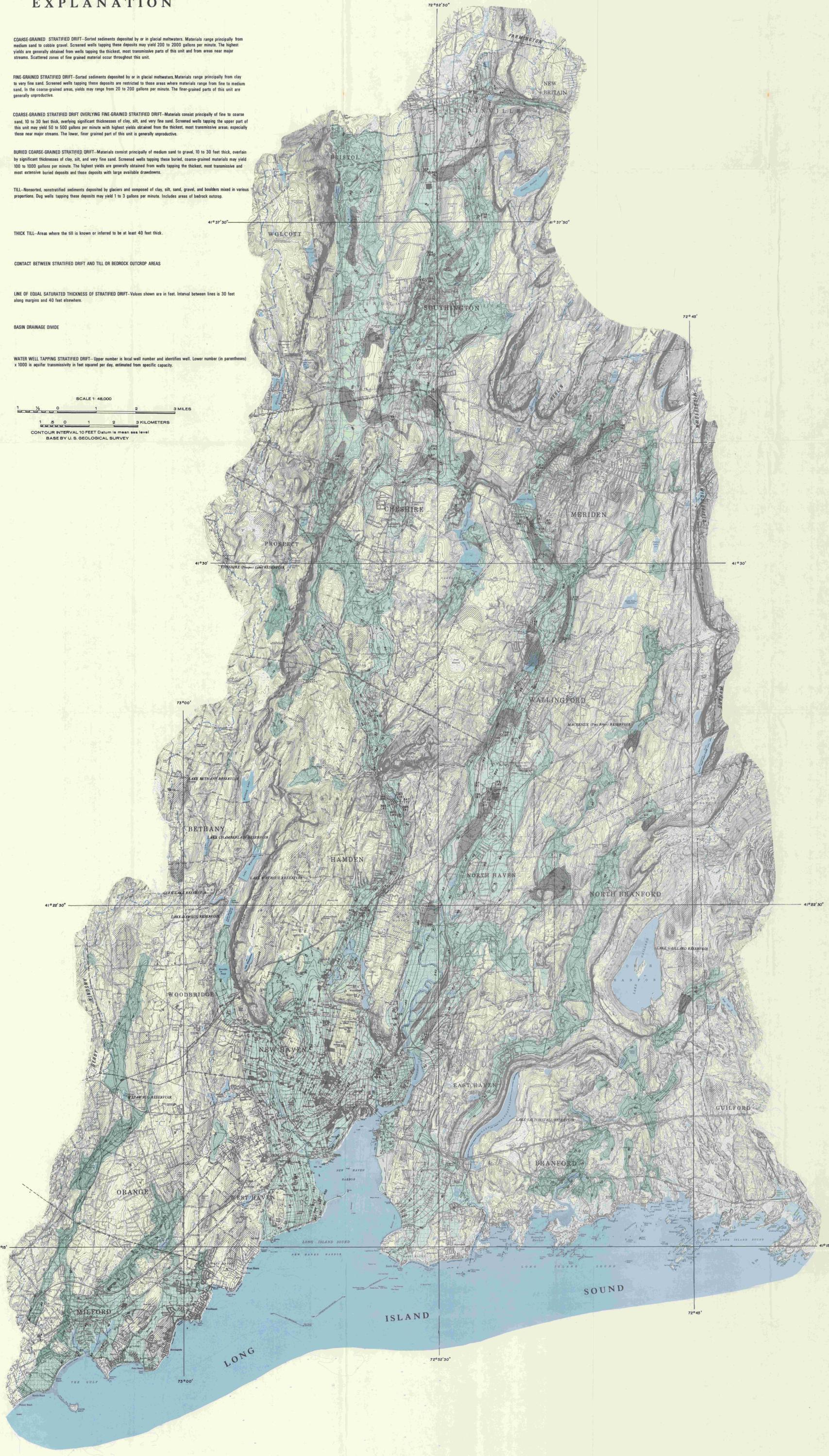


EXPLANATION

-  COARSE-GRAINED STRATIFIED DRIFT--Sorted sediments deposited by or in glacial meltwaters. Materials range principally from medium sand to cobble gravel. Screened wells tapping these deposits may yield 200 to 2000 gallons per minute. The highest yields are generally obtained from wells tapping the thickest, most transmissive parts of this unit and from areas near major streams. Scattered zones of fine grained material occur throughout this unit.
-  FINE-GRAINED STRATIFIED DRIFT--Sorted sediments deposited by or in glacial meltwaters. Materials range principally from clay to very fine sand. Screened wells tapping these deposits are restricted to those areas where materials range from fine to medium sand. In the coarse-grained areas, yields may range from 20 to 200 gallons per minute. The finer-grained parts of this unit are generally unproductive.
-  COARSE-GRAINED STRATIFIED DRIFT OVERLYING FINE-GRAINED STRATIFIED DRIFT--Materials consist principally of fine to coarse sand, 10 to 30 feet thick, overlying significant thicknesses of clay, silt, and very fine sand. Screened wells tapping the upper part of this unit may yield 50 to 500 gallons per minute with highest yields obtained from the thickest, most transmissive areas, especially those near major streams. The lower, finer grained part of this unit is generally unproductive.
-  BURIED COARSE-GRAINED STRATIFIED DRIFT--Materials consist principally of medium sand to gravel, 10 to 30 feet thick, overlain by significant thicknesses of clay, silt, and very fine sand. Screened wells tapping these buried, coarse-grained materials may yield 100 to 1000 gallons per minute. The highest yields are generally obtained from wells tapping the thickest, most transmissive and most extensive buried deposits and those deposits with large available drawdowns.
-  TILL--Nonstratified, nonstratified sediments deposited by glaciers and composed of clay, silt, sand, gravel, and boulders mixed in various proportions. Dug wells tapping these deposits may yield 1 to 3 gallons per minute. Includes areas of bedrock outcrop.
-  THICK TILL--Areas where the till is known or inferred to be at least 40 feet thick.
-  CONTACT BETWEEN STRATIFIED DRIFT AND TILL OR BEDROCK OUTCROP AREAS
-  LINE OF EQUAL SATURATED THICKNESS OF STRATIFIED DRIFT--Values shown are in feet. Interval between lines is 30 feet along margins and 40 feet elsewhere.
-  BASIN DRAINAGE DIVIDE
-  WATER WELL TAPPING STRATIFIED DRIFT--Upper number is local well number and identifies well. Lower number (in parentheses) x 1000 is aquifer transmissivity in feet squared per day, estimated from specific capacity.

SCALE 1:48,000
 1 1/2 0 1 2 3 MILES
 1 5 0 1 2 3 KILOMETERS
 CONTOUR INTERVAL 10 FEET Datum is mean sea level
 BASE BY U. S. GEOLOGICAL SURVEY



GEOHYDROLOGIC MAP OF THE QUINNIPIAC RIVER BASIN