

EXPLANATION

DRAINAGE DIVIDE



CONTACT DELINEATING STRATIFIED DRIFT FROM TILL AND BEDROCK



STRATIFIED-DRIFT AQUIFERS

THE MOST IMPORTANT AQUIFERS IN THE BASIN AND THE ONLY ONES CAPABLE OF SUPPLYING LARGE AMOUNTS OF WATER FOR PUBLIC SUPPLY OR INDUSTRIAL USE. YIELDS OF A FEW INDIVIDUAL WELLS TAPPING THESE AQUIFERS EXCEED 1,000 GALLONS PER MINUTE. SATURATED THICKNESS SHOWN BY 10, 40, 80, 120 AND 160 FOOT CONTOURS.

TRANSMISSIVITY IN FEET SQUARED PER DAY



GREATER THAN 16,000



8000 TO 16,000



2000 TO 8000



0 TO 2000

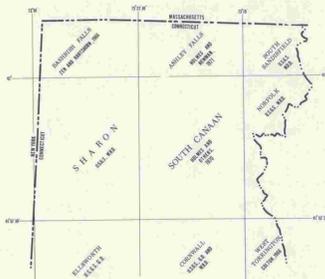


TRANSMISSIVITY NOT DETERMINED



TILL AND BEDROCK

TILL, AN ICE-DEPOSITED MIXTURE OF CLAY, SILT, SAND, GRAVEL AND BOULDERS IS CAPABLE OF YIELDING ONLY SMALL SUPPLIES OF WATER TO DUG WELLS. AREAS WHERE THE TILL IS KNOWN OR INFERRED TO BE AT LEAST 40 FEET THICK ARE SHOWN BY A DIAGONAL LINE PATTERN.  
CRYSTALLINE BEDROCK UNDERLIES THE ENTIRE BASIN. APPROXIMATELY 30 PERCENT OF THE WELLS TAPPING THIS AQUIFER ARE REPORTED TO YIELD AT LEAST 2 GALLONS PER MINUTE.



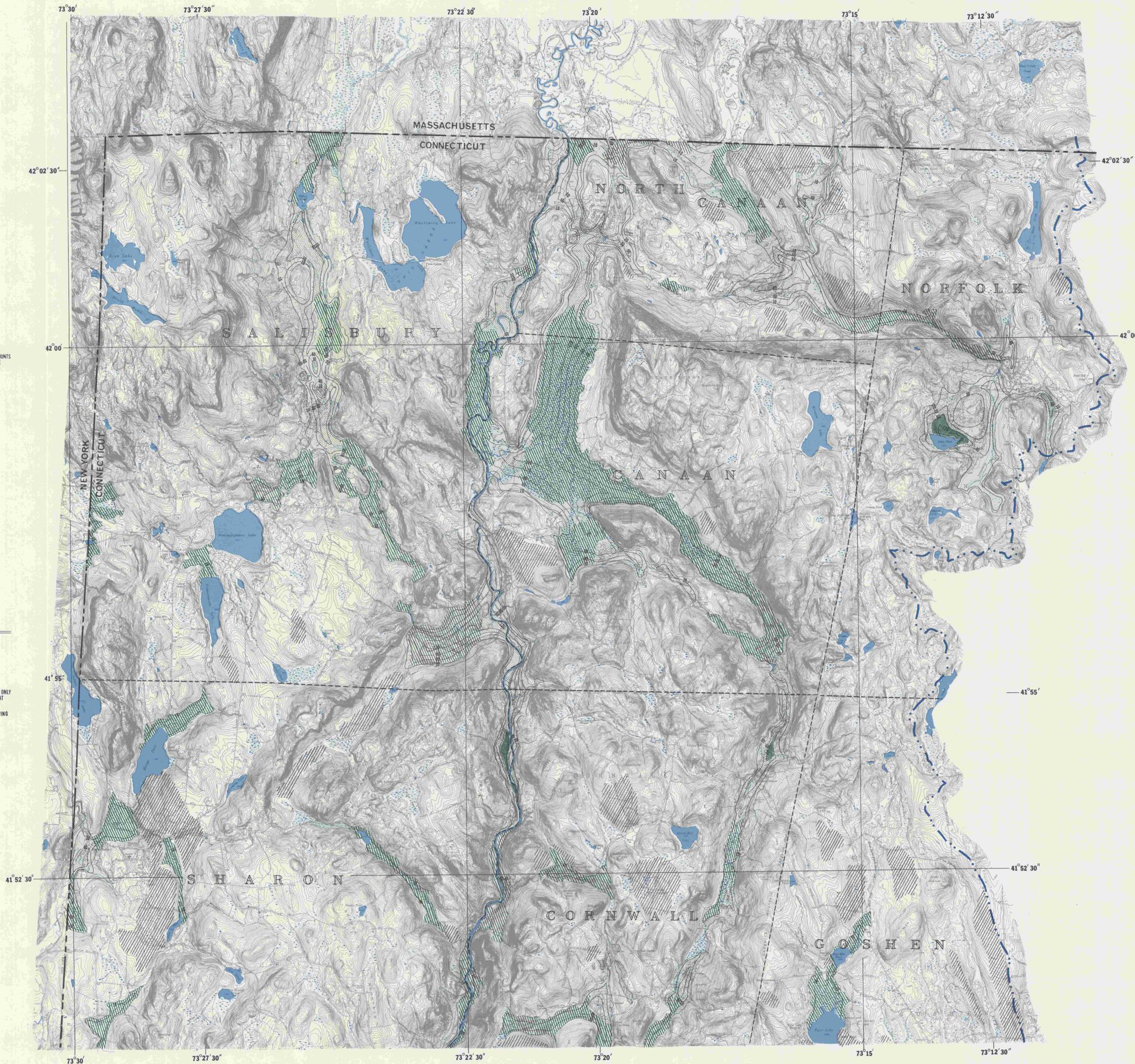
SURFICIAL GEOLOGY MAPPED IN EACH QUADRANGLE AS INDICATED

SCALE 1:48,000

0 1 2 MILES

CONTOUR INTERVAL 10 FEET. Datum is mean sea level.

BASE BY U. S. GEOLOGICAL SURVEY



GEOHYDROLOGIC MAP OF THE UPPER HOUSATONIC RIVER BASIN