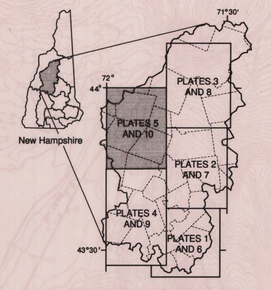
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES
WATER RESOURCES DIVISION

WATER-RESOURCES INVESTIGATIONS REPORT 94-4083
Saturated thickness and transmissivity, northwestern area—PLATE 10
Cotton, J.E., and Olimpio, J.R., 1996, Geohydrology and water quality of stratified-drift aquifers in the Pemigewasset River Basin, central New Hampshire



Index of study area showing plate area (shaded) and town boundaries (dashed)

EXPLANATION

STRATIFIED-DRIFT AQUIFER—Sand or sand and gravel; simple dot pattern within aquifer is area where available information indicates that sand is typically medium and finer grained

STRATIFIED-DRIFT AQUIFER OVERLYING GLACIAL-LAKE-BOTTOM DEPOSITS—Typically thinly saturated sand or sand and gravel overlying lake-bottom deposits of layered silt, clay, and very fine sand

TILL-COVERED BEDROCK OR BEDROCK

TRANSMISSIVITY OF STRATIFIED-DRIFT AQUIFER (in feet squared per day)

- Less than 2000
- 2000 to 4000
- 4000 to 8000
- Greater than 8000

AQUIFER BOUNDARY—Approximately located; dashed where inferred

40 SATURATED THICKNESS CONTOUR—Line of equal saturated thickness of stratified drift. Contour interval is 40 feet

PEMIGEWASSET DRAINAGE- OR SUBDRAINAGE-BASIN DIVIDE

R BEDROCK EXPOSED AT SURFACE—Within or adjacent to stratified-drift aquifer

SCALE 1:24 000

1 ½ 0 1 MILE

1 .5 0 1 KILOMETERS

CONTOUR INTERVAL 20 FEET IN WESTERN PART AND 40 FEET IN EASTERN PART
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Base from U.S. Geological Survey
Mount Kineo, Rumney, and Warren, 1973;
Wentworth, 1974; 1:24,000 scale

Hydrogeology by J.E. Cotton and J.R. Olimpio, 1988-90

SATURATED THICKNESS AND TRANSMISSIVITY OF STRATIFIED DRIFT IN THE PEMIGEWASSET RIVER BASIN, CENTRAL NEW HAMPSHIRE, NORTHWESTERN AREA

By
John E. Cotton and Joseph R. Olimpio
1996