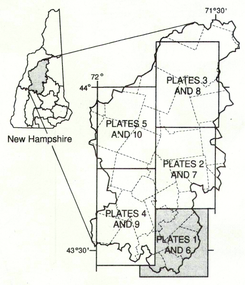
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

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

WATER-RESOURCES INVESTIGATIONS REPORT 94-4083
Aquifer boundaries, data-collection locations, materials, and water table, southern area—PLATE 1
Cotton, J.E., and Olimpio, J.R., 1996, Geohydrology, yield, 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

AQUIFER BOUNDARY—Approximately located; dashed where inferred

PEMIGEWASSET DRAINAGE- OR SUBDRAINAGE-BASIN DIVIDE

540 WATER-TABLE CONTOUR—Shows inferred altitude of water table. Arrow indicates general direction of ground-water flow

a a' SEISMIC-REFRACTION LINE—Done by U.S. Geological Survey. Sequence letters given for each town. Sections shown in Appendix C

A A' LINE OF GEOHYDROLOGIC SECTION—Sequence letters given for each line. Sections shown in figures

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

S1 SPRING

WATER WELLS AND BORINGS
(Numbered sequentially within each town)

	PRIVATE-SUPPLY OR TEST WELLS	PUBLIC-SUPPLY WELLS	USGS OBSERVATION WELLS	BORINGS	USGS AUGER BORINGS
PENETRATED ONLY UNCONSOLIDATED DEPOSITS	W31	W3	W129	B7	A2
REACHED REFUSAL OR BEDROCK	W128		W51	B6	A1
PENETRATED BEDROCK	W50				
CHEMICAL ANALYSIS OF WATER		W50	W7		

U.S. GEOLOGICAL SURVEY STREAMFLOW MEASUREMENT SITES
(Number is local site identification number)

28 CONTINUOUS-RECORD GAGING STATION

30 PARTIAL-RECORD GAGING STATION

25 MISCELLANEOUS LOW-FLOW MEASUREMENT SITE

Base from U.S. Geological Survey
Andover, Bristol, Franklin, Northfield, Winnisquam Lake, provisional edition, 1987; 1:24,000 scale

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

AQUIFER BOUNDARIES, DATA-COLLECTION LOCATIONS, AQUIFER MATERIALS, AND ALTITUDES OF WATER TABLE IN THE PEMIGEWASSET RIVER BASIN, CENTRAL NEW HAMPSHIRE, SOUTHERN AREA

By
John E. Cotton and Joseph R. Olimpio
1996