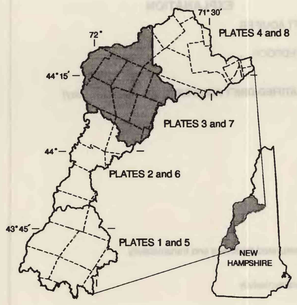
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

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

WATER-RESOURCES INVESTIGATIONS REPORT 94-4181
Aquifer boundaries, data-collection locations, water table, and chemical constituents, northwestern quadrant-PLATE 3
Flanagan, S.M., 1995, Geohydrology and water quality of stratified-drift aquifers in the middle Connecticut River Basin, west-central New Hampshire



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

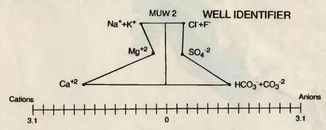
EXPLANATION

- STRATIFIED-DRIFT AQUIFER--Materials are typically thinly-saturated coarse-grained stratified drift overlying fine-grained lake-bottom deposits in the main valley of the Connecticut River; thicker deposits of saturated coarse-grained aquifer material can be found in the upland valley areas
- TILL-COVERED BEDROCK
- AQUIFER BOUNDARY--Approximately located; dashed where inferred; dotted where concealed
- DRAINAGE-BASIN DIVIDE
- GROUND-WATER DIVIDE
- 620 WATER-TABLE CONTOUR--Approximately located; contours are in feet above sea level; contour interval varies. Arrow indicates general direction of ground-water flow. (Local anomalies in flow that result from ground-water withdrawals are not shown)
- C C' SEISMIC-REFRACTION LINE--Sequence letters given for each town
- E E' GEOHYDROLOGIC SECTION
- R BEDROCK OUTCROP--Within or adjacent to stratified-drift aquifer
- 23 LOW-STREAMFLOW-MEASUREMENT SITE AND NUMBER--Data reported in Appendix E

	WELL OR BORING	PUBLIC-SUPPLY WELL	USGS OBSERVATION WELL OR BORING
PENETRATED ONLY UNCONSOLIDATED DEPOSITS	W2	W1	A5
REACHED REFUSAL OR BEDROCK	B5		A7
PENETRATED BEDROCK	W55	W86	
CHEMICAL ANALYSIS OF WATER		W2	

NUMBER IS LOCAL SITE AND IDENTIFICATION NUMBER. THE FOLLOWING PREFIXES ARE USED WITH WELL, AUGER, AND BRIDGE BORING SITE IDENTIFICATION: (A) AUGER BORINGS, (B) BRIDGE BORINGS, (W) CASED WELLS

Letter and number, identifying the site, are shown without a preceding two-letter town code to conserve space. (See section in text on numbering system for wells, boings, and springs)



IONS, IN MILLIEQUIVALENTS PER LITER

CONCENTRATION OF MAJOR CHEMICAL CONSTITUENTS IN GROUND WATER

SCALE 1:48 000

1 ½ 0 1 2 3 MILES

1 .5 0 1 2 3 4 5 KILOMETRES

CONTOUR INTERVAL VARIES; BASE IS METRIC NORTH OF 44°15' AND WEST OF 72°
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Base from U.S. Geological Survey
Barnet, Vt.-N.H., 1984; 1:25,000 scale
Franconia, N.H., 1967; Lincoln, N.H., 1967; Lisbon, N.H., 1967; Lower Waterford, Vt.-N.H., 1967; Mount Moosilauke, N.H., 1967; Sugar Hill, N.H., 1973; Woodsville, N.H.-Vt., 1973; 1:24,000 scale

AQUIFER BOUNDARIES, DATA-COLLECTION LOCATIONS, ALTITUDE OF WATER TABLE, AND CONCENTRATION OF MAJOR CHEMICAL CONSTITUENTS FOR STRATIFIED-DRIFT AQUIFERS IN THE MIDDLE CONNECTICUT RIVER BASIN, WEST-CENTRAL NEW HAMPSHIRE, NORTHWESTERN QUADRANT

By
S.M. Flanagan
1995

Geohydrology by S.M. Flanagan and S.F. Clark, 1989-91