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 92-4013
Water table, data-collection locations, chemical constituents, and surficial geology PLATE 2
Moore, R.B., Johnson, C.D., and Douglas, E.M., 1993, Geohydrology and water quality of stratified-drift aquifers in the Lower Connecticut River Basin, southwestern New Hampshire

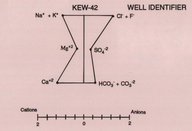
EXPLANATION

- STRATIFIED-DRIFT AQUIFER
- STRATIFIED-DRIFT AQUIFER OVERLAYING GLACIAL-LAKE BOTTOM DEPOSITS--Typically thinly saturated sands or sands and gravels over lake bottom deposits of layered silts, clays, and very fine sand
- STRATIFIED-DRIFT AQUIFER WITHIN OR BENEATH GLACIAL LAKE-BOTTOM DEPOSITS--Typically with stratified-drift aquifer material above as well as within or beneath lake bottom deposits of layered silts, clays, and very fine sand
- STRATIFIED-DRIFT AQUIFER BENEATH TILL
- TILL-COVERED BEDROCK
- AQUIFER BOUNDARY AND GEOLOGIC CONTACT--Approximately located; dashed where inferred; dotted where concealed
- D D' SEISMIC-REFLECTION DATA AND GEOLOGIC SECTION--Line of seismic-reflection data collection along the Connecticut River, with line of geologic section interpreted from seismic-reflection data
- a a' SEISMIC-REFRACTION LINE--Done by the U.S. Geological Survey. Sequence letters given for each town.
- 300 WATER-TABLE CONTOUR--Line of equal inferred water-table altitude. Contour interval 20 feet
- DRAINAGE-BASIN DIVIDE
- 51 SPRING

	WELL OR BORING	MUNICIPAL WELL	USGS OBSERVATION WELL OR BORING
PENETRATED ONLY UNCONSOLIDATED DEPOSITS	W15	W33	W43
REACHED REFUSAL OR BEDROCK	W34		
PENETRATED BEDROCK	W51	W10	

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, borings, and springs)

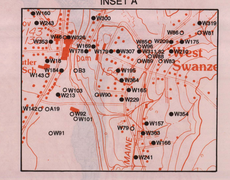
KEW-42 WELL IDENTIFIER



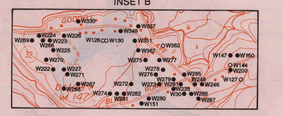
IONS, IN MILLIEQUIVALENTS PER LITER

CONCENTRATION OF MAJOR CHEMICAL CONSTITUENTS IN GROUND WATER

INSET A



INSET B



SEE INSET A

SEE INSET B

SCALE 1:48 000

1 0 1 2 3 4 5 6 KILOMETERS

1 0 1 2 3 MILES

CONTOUR INTERVAL 6 METERS
AND 20 FEET IN SOUTHERN MOST PART
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Base from U.S. Geological Survey
Ashburnham, Mass.-N.H., 1979; Brattleboro, Vt.-N.H., 1984;
Keene, N.H.-Vt., 1984; Marlborough, N.H., 1984;
Monadnock Mountain, N.H., 1984; Mt. Grace, Mass-N.H., 1977;
Newfane, Vt.-N.H., 1984; Northfield, Mass.-N.H.-Vt., 1977;
Royalston, Mass.-N.H., 1971; Stoddard, N.H., 1984;
Walpole, N.H.-Vt., 1985; Winchendon, Mass.-N.H., 1975;
Winchester, N.H.-Vt., 1984; 1: 25,000 scale
Peterborough South, N.H., 1987; 1: 24,000 scale

ALTITUDE OF WATER TABLE, DATA COLLECTION LOCATIONS, CONCENTRATIONS OF MAJOR CHEMICAL CONSTITUENTS, AND SURFICIAL GEOLOGY FOR STRATIFIED-DRIFT AQUIFERS IN THE LOWER CONNECTICUT RIVER BASIN, SOUTHWESTERN NEW HAMPSHIRE

By
Richard Bridge Moore, Carole D. Johnson, and Ellen M. Douglas
1994

Geohydrology by R.B. Moore, C.D. Johnson, and E.M. Douglas-1990