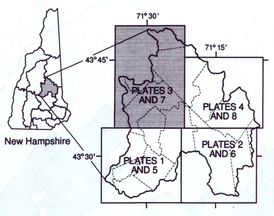
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

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

WATER-RESOURCES INVESTIGATIONS REPORT 94-4150
Aquifer boundaries, data-collection locations, materials, and water table, northwestern part—PLATE 3
Ayotte, J.D., 1996, Geohydrology and water quality of stratified-drift aquifers in the Winnipesaukee River Basin, central New Hampshire



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

EXPLANATION

- FINE- OVER COARSE-GRAINED STRATIFIED DRIFT—Fine-grained sediment overlying principally medium sands to coarse gravels
- COARSE-GRAINED STRATIFIED DRIFT—Materials range principally from medium sands to coarse gravels
- FINE-GRAINED STRATIFIED DRIFT—Materials range principally from clay to fine sands
- COARSE-GRAINED STRATIFIED DRIFT OVER FINE-GRAINED STRATIFIED DRIFT—Typically thinly saturated medium sands to coarse gravels overlying fine-grained sediments
- TILL-COVERED BEDROCK OR BEDROCK
- AQUIFER BOUNDARY—Approximately located; dashed where inferred; dotted where concealed
- WINNIPESAUKEE DRAINAGE- OR SUBDRAINAGE-BASIN DIVIDE
- 520 — WATER-TABLE CONTOUR—Approximately located; altitude in feet above sea level. Arrow indicates general direction of ground-water flow
- a — a′ SEISMIC-REFRACTION LINE—Sequence letters given for each town. Sections shown in Appendix C
- D — D′ LINE OF GEOHYDROLOGIC SECTION—Sections shown in figures
- R BEDROCK EXPOSED AT SURFACE—Within or adjacent to stratified-drift aquifer
- S1 SPRING
- 24 LOW-FLOW STREAMFLOW MEASUREMENT SITE—Number is local site identification number shown in Appendix D

WATER WELLS AND BORINGS
(Numbered sequentially within each town)

	WELL OR BORING	PUBLIC-SUPPLY WELLS	USGS WELL OR BORING
DRILLED INTO UNCONSOLIDATED DEPOSITS ONLY	W31		
REACHED REFUSAL OR BEDROCK	B13		A2
DRILLED INTO BEDROCK	W33	W218	
CHEMICAL ANALYSIS OF WELL WATER			W2

SCALE 1:24 000
1 MILE
1 KILOMETER
CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Base from U.S. Geological Survey
Center Harbor, Center Sandwich, Holderness, Laconia, Melvin Village, Tamworth, West Alton, and Winnisquam Lake, provisional edition, 1987; 1:24,000 scale

MAP SHOWING AQUIFER BOUNDARIES, DATA-COLLECTION LOCATIONS, MATERIALS, AND ALTITUDE OF WATER TABLE FOR STRATIFIED-DRIFT AQUIFERS IN THE WINNIPESAUKEE RIVER BASIN, CENTRAL NEW HAMPSHIRE, NORTHWESTERN PART

By
Joseph D. Ayotte
1996

Hydrogeology by J.D. Ayotte and S.F. Clark, 1991

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