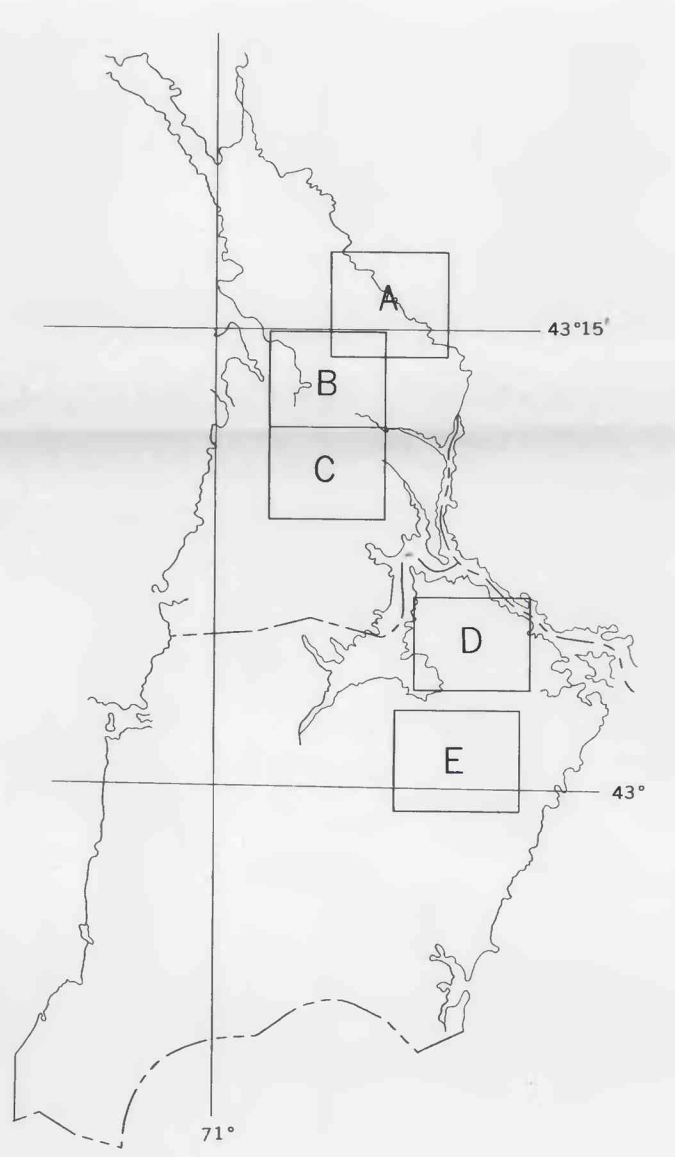




EXPLANATION

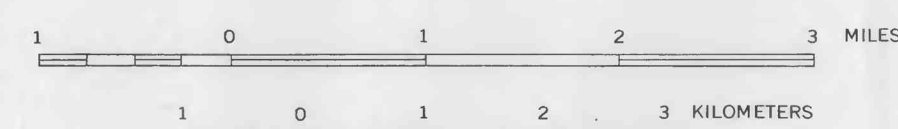
- Beach deposits
Fine to medium sand on modern beaches; water-worn cobbles and stones larger than 1 mm. Generally permeable but contain only a few feet of fresh water resting on salt water and therefore yield only small supplies of fresh water.
- Swamp deposits
Shown only where relatively extensive. Silt, sand, some gravel, and organic matter in low poorly drained areas. May overlie permeable deposits but not known to yield water to wells independently.
- Outwash and shore deposits
Fine to coarse sand and some fine gravel beneath outwash plains and terraces. Yields water readily, but supplies are generally small because of limited saturated thickness. V indicates areas in which bedrock is exposed in the form of small ridges and knobs. Bedrock exposures are generally less than 20 feet high and less than 100 feet in length and width.
- Marine deposits
Clay, silt, and some sand, commonly laminated, but massive in places. Occupy lower parts of most stream valleys and lowlands. Not permeable but locally overlie permeable deposits. V indicates areas in which bedrock is exposed in the form of small ridges and knobs. Bedrock exposures are generally less than 20 feet high and less than 100 feet in length and width.
- Ice-contact deposits
Stratified sand, gravel, cobbles, and boulders. Form plateaus, terraces, and some isolated hills. Generally yield relatively large quantities of water, especially where saturated thickness is greater than about 50 feet.
- Till
Intermixed clay, silt, sand, gravel, cobbles, and boulders in a generally thin layer; may reach a thickness of more than 200 feet in drumlins. Till yields small quantities of water to dug wells. Mapped area includes many exposures of bedrock.
- Contact between geologic units
- Well in unconsolidated material
- Public-supply well
- Well in bedrock
- Test holes
- Spring

NOTE: Where several wells are identified by only one symbol the symbol does not necessarily indicate the types of wells.



INDEX MAP OF SOUTHEASTERN NEW HAMPSHIRE
A Somersworth area, shown on Plate 7
B Dover-Somersworth area, shown on Plate 5
C Madbury-Dover-Durham area, shown on Plate 6
D Newington-Portsmouth area, shown on Plate 4
E Greenland-Rye area, shown on Plate 3

GEOLOGIC MAP OF PART OF ROCKINGHAM COUNTY, NEW HAMPSHIRE, SHOWING UNCONSOLIDATED DEPOSITS AND LOCATIONS OF WELLS, SPRINGS, AND TEST HOLES



Geology by Edward Bradley, 1957