

EXPLANATION

BASIN DIVIDE
 LOWER HOUSATONIC RIVER
 SUB-BASIN DIVIDE

LINE OF EQUAL SATURATED THICKNESS OF UNCONSOLIDATED DEPOSITS
 CONTACT DELINEATING STRATIFIED DRIFT FROM TILL AND BEDROCK

STRATIFIED-DRIFT AQUIFER
 The only aquifer in the basin generally capable of supplying large amounts of water for public supply or industrial use. Yields of a few individual wells tapping this aquifer exceed 1,000 gallons per minute. Lines of equal saturated thickness of unconsolidated deposits show only in areas mapped as stratified drift and include any till underlying stratified drift. Interval 40 feet, with supplementary line at 10 feet.

TRANSMISSIVITY OF STRATIFIED-DRIFT AQUIFER
 (feet squared per day)

	0-2700		2700-10,500
	10,500-20,000		GREATER THAN 20,000

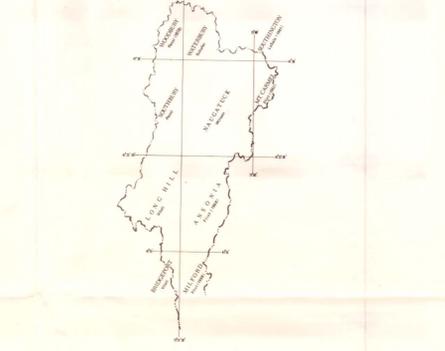
PRINCIPAL GROUND-WATER RESERVOIRS
 Bracket shows approximate extent. Letter designations are keyed to discussions in text and to figure 33 and table 19. Figure 33 shows detailed location and conditions assumed for hydrologic model. Table 19 summarizes analysis of potential yields.

TILL AND BEDROCK
 Till, an ice-deposited mixture of clay, silt, sand, gravel and boulders is capable of yielding small supplies of water for domestic or stock uses at favorable locations. Bedrock underlies the entire basin and is the source of on-site water supply for many homes. Approximately 90 percent of the wells tapping this aquifer reportedly yield at least 2 gallons per minute.

AREA OF TILL THICKNESS AT LEAST 40 FEET
 Extent based on landform and logs of wells. Symbols indicate locations of wells used for control.

x77 Well location approximate
 o80 Well location precise; well not inventoried
 •60 Well location precise; well inventoried

Numbers indicate thickness reported in drillers' logs. > Preceding number indicates thickness at least that shown; well was not drilled to bedrock.



SURFICIAL GEOLOGY MAPPED IN EACH QUADRANGLE AS INDICATED
 SCALE 1:48000

 CONTOUR INTERVAL 10 FEET Datum is mean sea level
 BASED BY U.S. GEOLOGICAL SURVEY

HYDROGEOLOGY OF THE LOWER HOUSATONIC RIVER BASIN