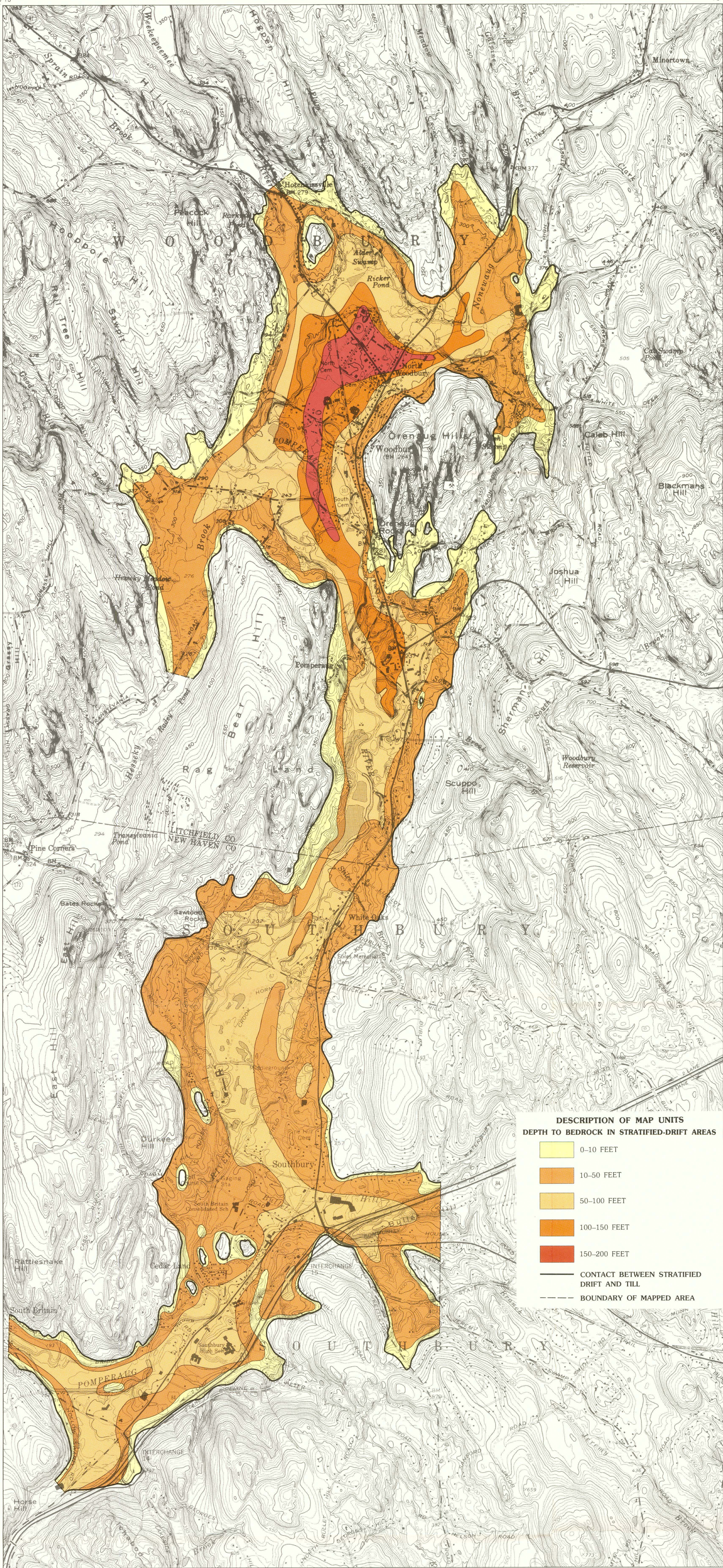
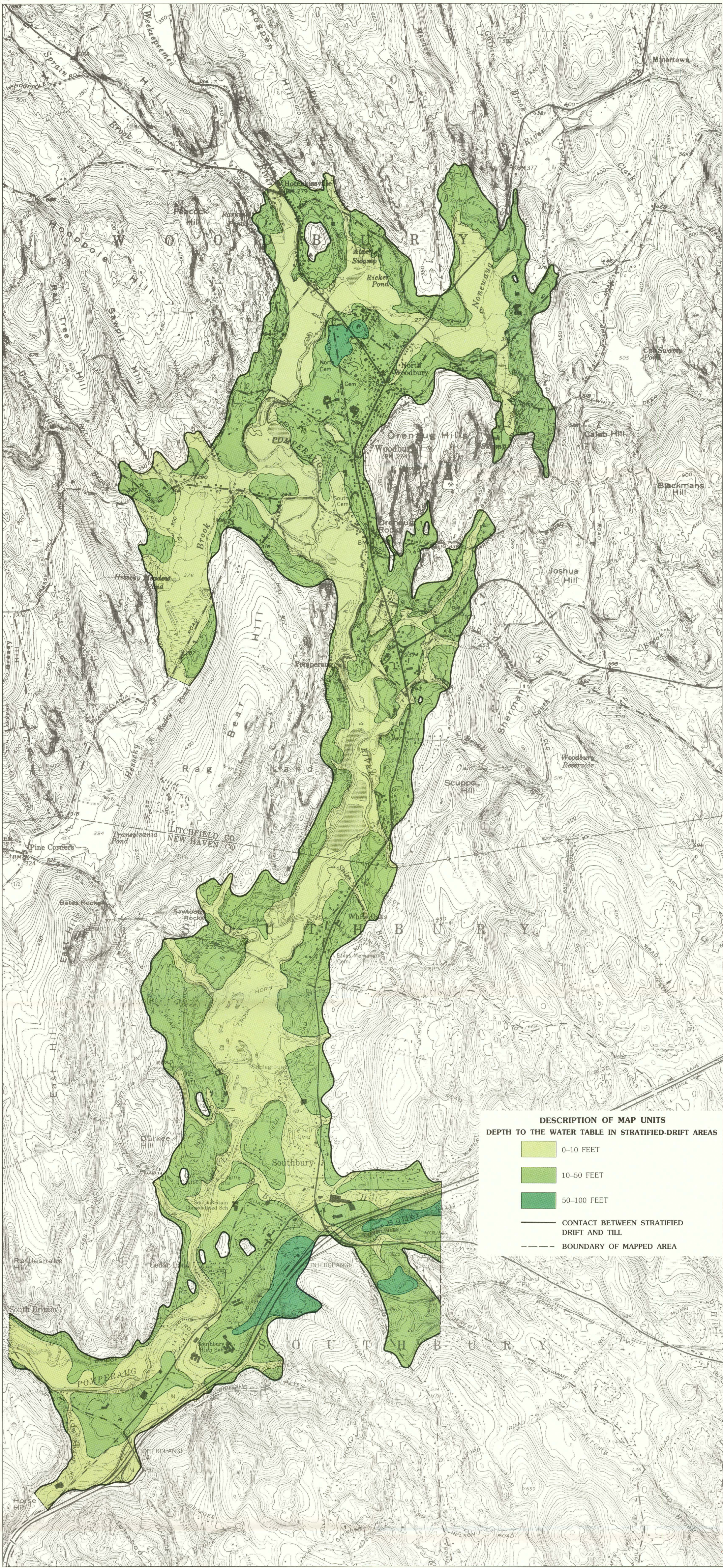
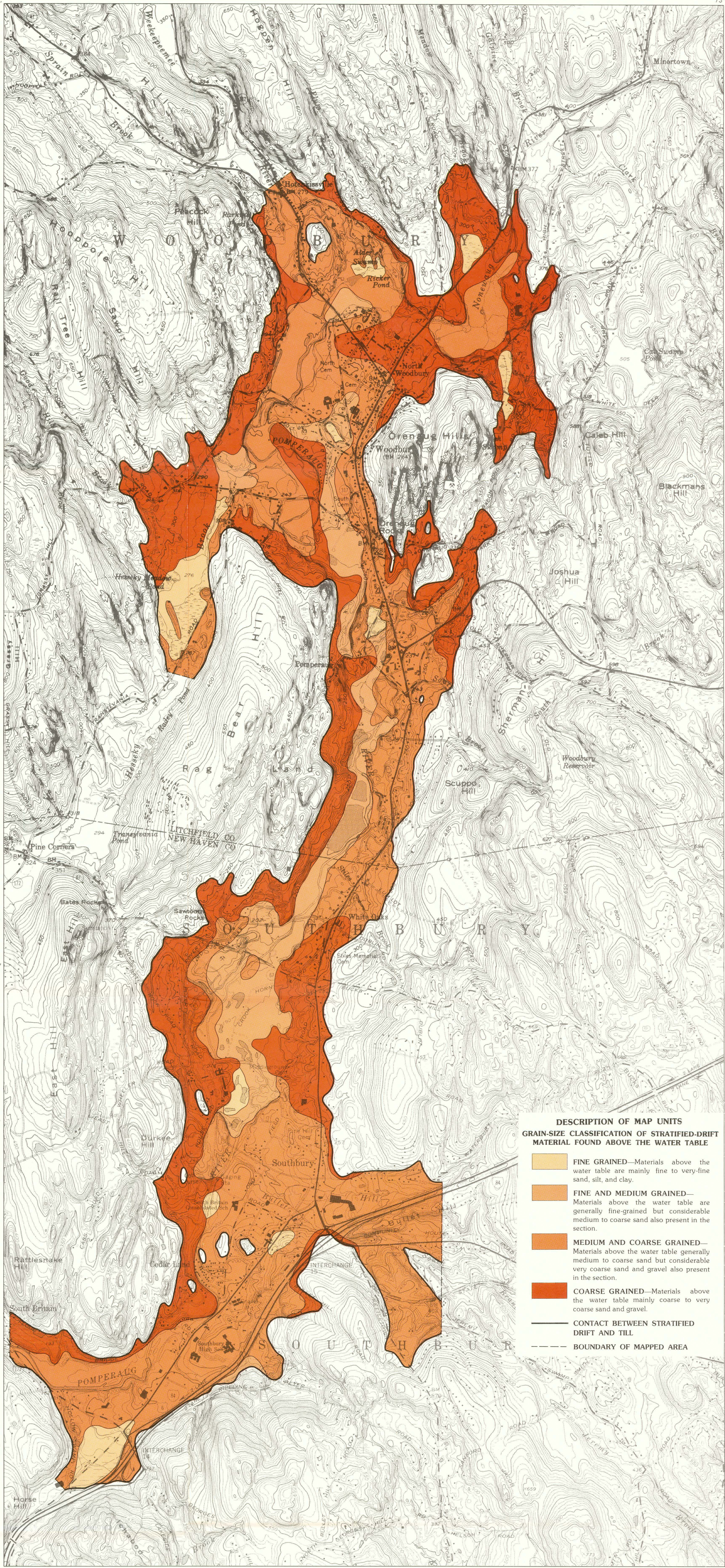




DEPTH TO BEDROCK



DEPTH TO THE WATER TABLE



CLASSIFICATION OF UNCONSOLIDATED MATERIALS ABOVE THE WATER TABLE

Base from U.S. Geological Survey Southbury Quadrangle, 1964, Photorevised 1972; Woodbury Quadrangle, 1955, Photorevised 1970.

Base from U.S. Geological Survey Southbury Quadrangle, 1964, Photorevised 1972; Woodbury Quadrangle, 1955, Photorevised 1970.

Base from U.S. Geological Survey Southbury Quadrangle, 1964, Photorevised 1972; Woodbury Quadrangle, 1955, Photorevised 1970.

Contact between stratified drift and till from Fred Pessl Jr. (1970, 1975).

Maps show depth to bedrock, depth to the water table, and the general particle-size composition of unconsolidated materials above the water table in stratified-drift areas of part of the Pomperaug River valley, Southbury and Woodbury, Connecticut. Depths to bedrock and the water table are shown in feet below land surface. Unconsolidated materials include stratified-drift, flood-plain, and stream-terrace deposits. Map units describing the particle-size composition of stratified drift are based primarily on geological and differe descriptions of unconsolidated materials found in test holes and wells. Terms used to describe these materials (gravel, sand, and clay) generally correspond to the particle-size classification developed by Wentworth (1922) as shown in the adjacent diagram.

PARTICLE-SIZE CLASSIFICATION TERMS USED IN THIS REPORT							
Average Diameter (inches)	2	1	0.5	0.25	0.125	0.063	0.004
T E R M	Gravel	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand	Silt	Clay
	COARSE		MEDIUM		FINE		

Data used to construct the three maps were obtained from previous hydro-geologic studies that included all or part of the Pomperaug River valley (Grossman and Wilson, 1970; Wilson and others, 1974; and Mazzaferro, in press). Geologic maps of the Southbury and Woodbury quadrangles (Gates, 1954; Pessl, 1970, 1975; and Scott, 1974) also provided useful information. The data from these sources differ considerably in completeness and geographic distribution. Furthermore, the water table is a dynamic feature; it may change daily, seasonally, and yearly in response to natural conditions and may be affected by pumping from wells. Actual depths to bedrock, depths to the water table, and the grain-size distribution of stratified drift, in places, may differ from the ranges defined in the descriptions of the map units that accompany each map. THESE MAPS GENERALLY DESCRIBE THE DEPTH-TO-BEDROCK, DEPTH-TO-WATER TABLE, AND TYPE OF MATERIAL THAT CAN BE EXPECTED IN AN AREA. THEY ARE NOT INTENDED TO BE SUBSTITUTES FOR DETAILED SITE INVESTIGATIONS.

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Wilson, W. E., Burke, E. L., and Thomas, C. E., Jr., 1974, Water resources inventory of Connecticut, part 5, lower Housatonic River basin, Connecticut Water Resources Bulletin 19, 79 p.

DEPTH TO BEDROCK, DEPTH TO THE WATER TABLE AND CLASSIFICATION OF UNCONSOLIDATED MATERIALS ABOVE THE WATER TABLE IN STRATIFIED-DRIFT AREAS OF PART OF THE POMPERAUG RIVER VALLEY, SOUTHBURY AND WOODBURY, CONNECTICUT

By
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