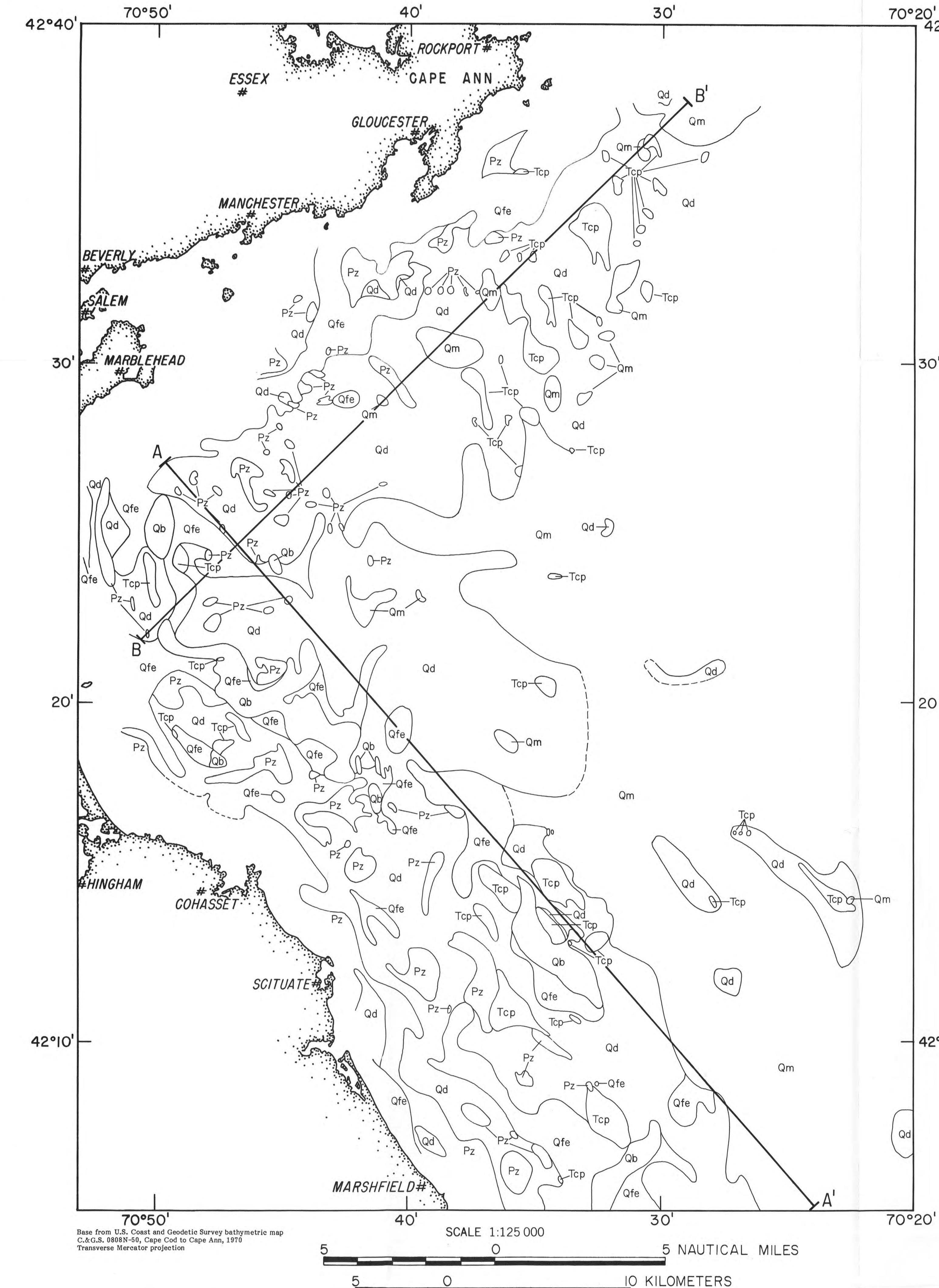


Base from U.S. Coast and Geodetic Survey bathymetric map
C.G.S. 0808N-50, Cape Cod to Cape Ann, 1970
Transverse Mercator projection

Figure 12.—Total sediment thickness above the bedrock surface. Contour interval 10 m. Based on assumed seismic velocities of 2.5 km/s for coastal plain sediments, 1.8 km/s for sediments of Pleistocene age, and 1.5 km/s for sediments of Holocene age. Contours dashed where seismic data provide little control.

MAPS AND SEISMIC PROFILES SHOWING GEOLOGY OF THE INNER CONTINENTAL SHELF, MASSACHUSETTS BAY, MASSACHUSETTS

By
Robert N. Oldale and Jennifer Bick
1987



Base from U.S. Coast and Geodetic Survey bathymetric map
C.G.S. 0808N-50, Cape Cod to Cape Ann, 1970
Transverse Mercator projection

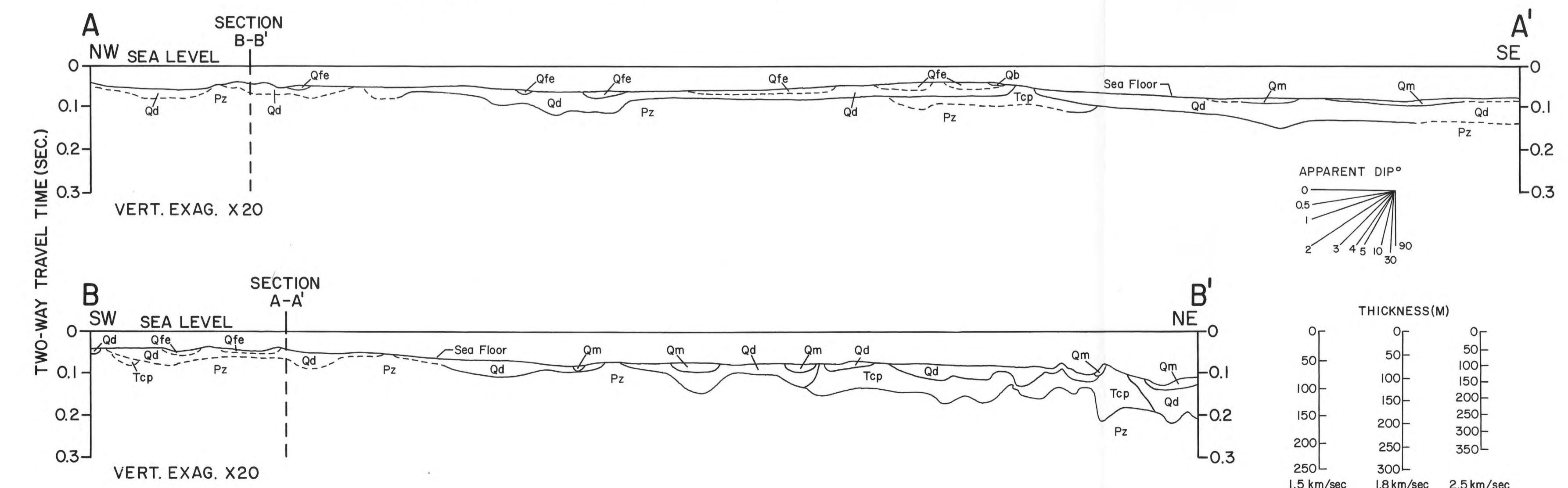


Figure 13.—Map and cross sections showing the distribution and stratigraphic position of the geologic units. The distribution and lithology of the geologic map units are based, in part, on the acoustic nature of the seismic reflection data and, in part, on the vibrocore data. Units shown crop out at the sea floor or are overlain by younger deposits too thin to be resolved in the seismic data. Seismic velocity assumptions: 1.5 km/s for water and for sediments of Holocene age, 1.8 km/s for sediments of Pleistocene age, and 2.5 km/s for sediments of Tertiary or Cretaceous age. In cross sections, apparent-dip scale and vertical exaggeration are based on a seismic velocity of 1.5 km/s. Vert. exag., vertical exaggeration; sec., seconds.