

EXPLANATION OF MAP

This sector geologic map was constructed as a part of a geologic reconnaissance survey in cooperation with the U.S. Geological Survey in anticipation of oil and gas leasing on the Kodiak Shelf. The map covers the proposed lease-site area south of Kodiak Island, Alaska, and is primarily based on reconnaissance geologic data collected in 1978 and 1979. It provides an understanding of the general geologic settings, which is essential in evaluating the effect that geologic conditions may have on resource, geologic, history, or current oceanographic and geologic processes and to find this information available.

The geologic map was prepared for publication by Turner and others (1979) to provide a base for the proposed geologic reconstructions and for the geologic data which were collected for this map. The geologic data were available to the public as Sale 40, M-15949 from the National Geologic Data Center, Denver, Colorado (Code B-221). The geologic data were collected as a reconnaissance survey in 1978 and 1979, and a 200-meter-wide strip profile was collected from the Kodiak Shelf and the Kodiak Island. Some high-resolution data collected from the Kodiak Shelf and Kodiak Island, 1971, were also used in the preparation of this map.

After the units were mapped according to their sedimentarily defined characteristics, their lithologic expression, and geologic structure, the material composition of each mapped unit, these samples were collected in 1978 (Loomis and Hampton, 1978) and 1979 (Loomis and Hampton, 1979), and not collected for regional geologic mapping purposes, the sample density varies greatly over the mapped region.

Superimposed on the map is the 4.0 m x 4.0 m grid data represents the UTM zone 5 and 6. The map is shown on the map in heavy outline with diagrammatic projection diagrams should be used. For least purposes, the official projection diagrams should be used.

In acknowledgment, the author thanks Bruce Turner, Gerald Shearer, and Kenneth Hohen for their assistance in reading and interpreting the data.

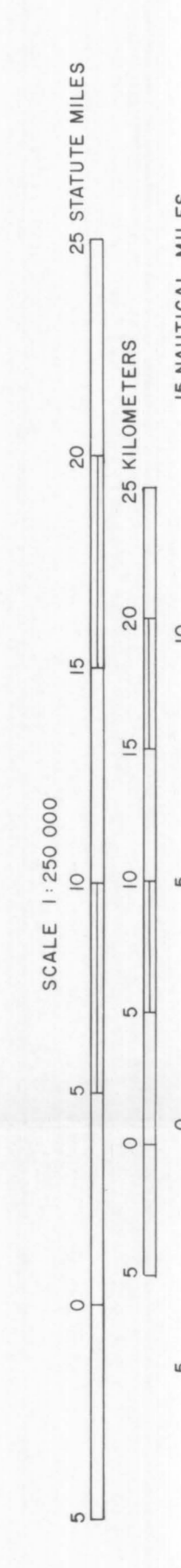
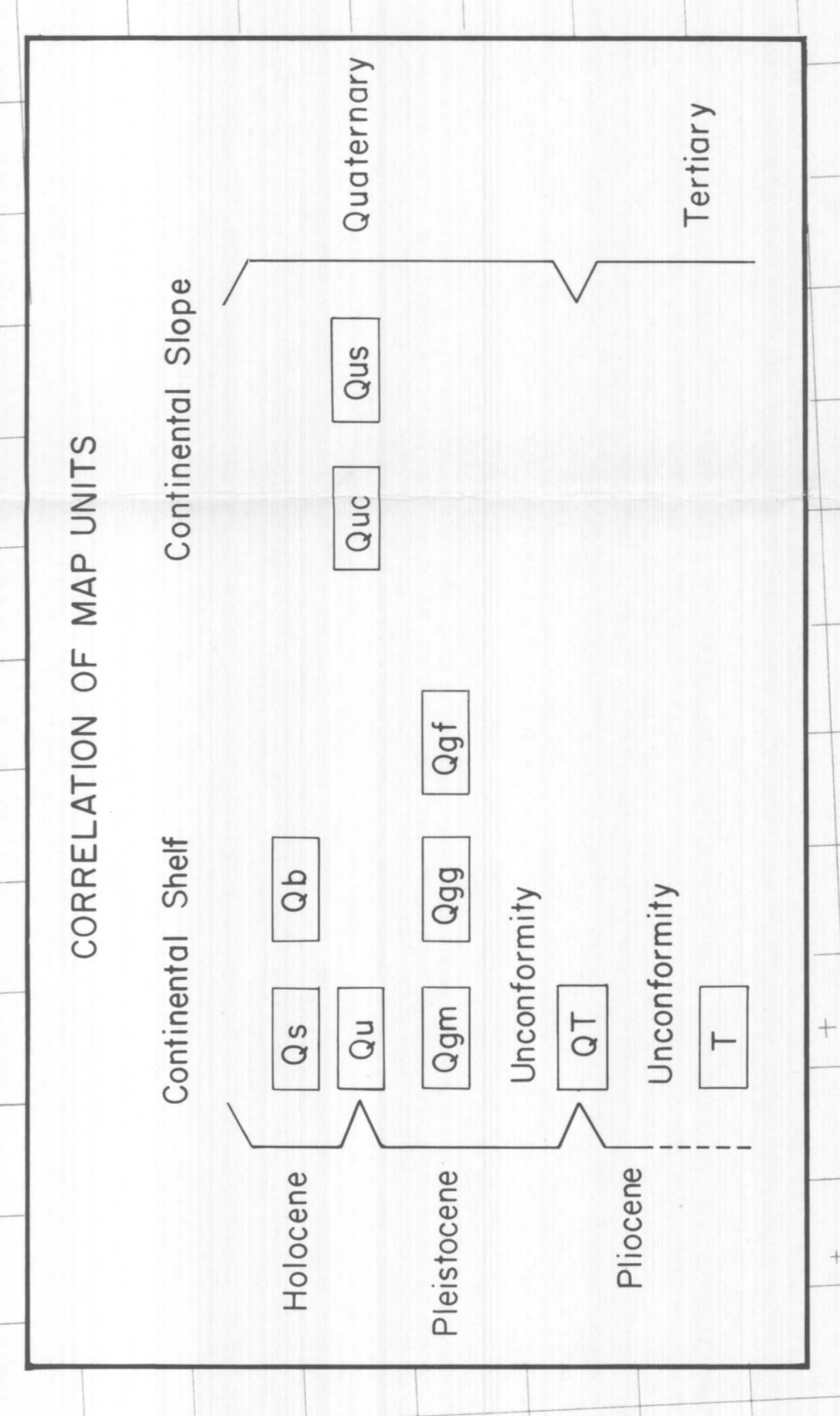
EXPLANATION

Map outlines, such as bars on downthrown side, and other features inferred.

Yes (⊗) - Line #, shot point location and #

--- 1977 SHOT POINT
--- 1978 SHOT POINT
--- 1979 SHOT POINT
--- 1975 SHOT POINT

BASE MAP ADAPTED FROM TURNER AND OTHERS (1979)



GEOLOGIC MAP OF THE KODIAK OUTER CONTINENTAL SHELF, WESTERN GULF OF ALASKA

By Glenn P. Thrasler

1979

UTM ZONE 5
NO 5-2
NO 5-4
NO 5-6
NO 6-1
NO 6-3

UTM ZONE 6
NO 6-5

UTM ZONE 5