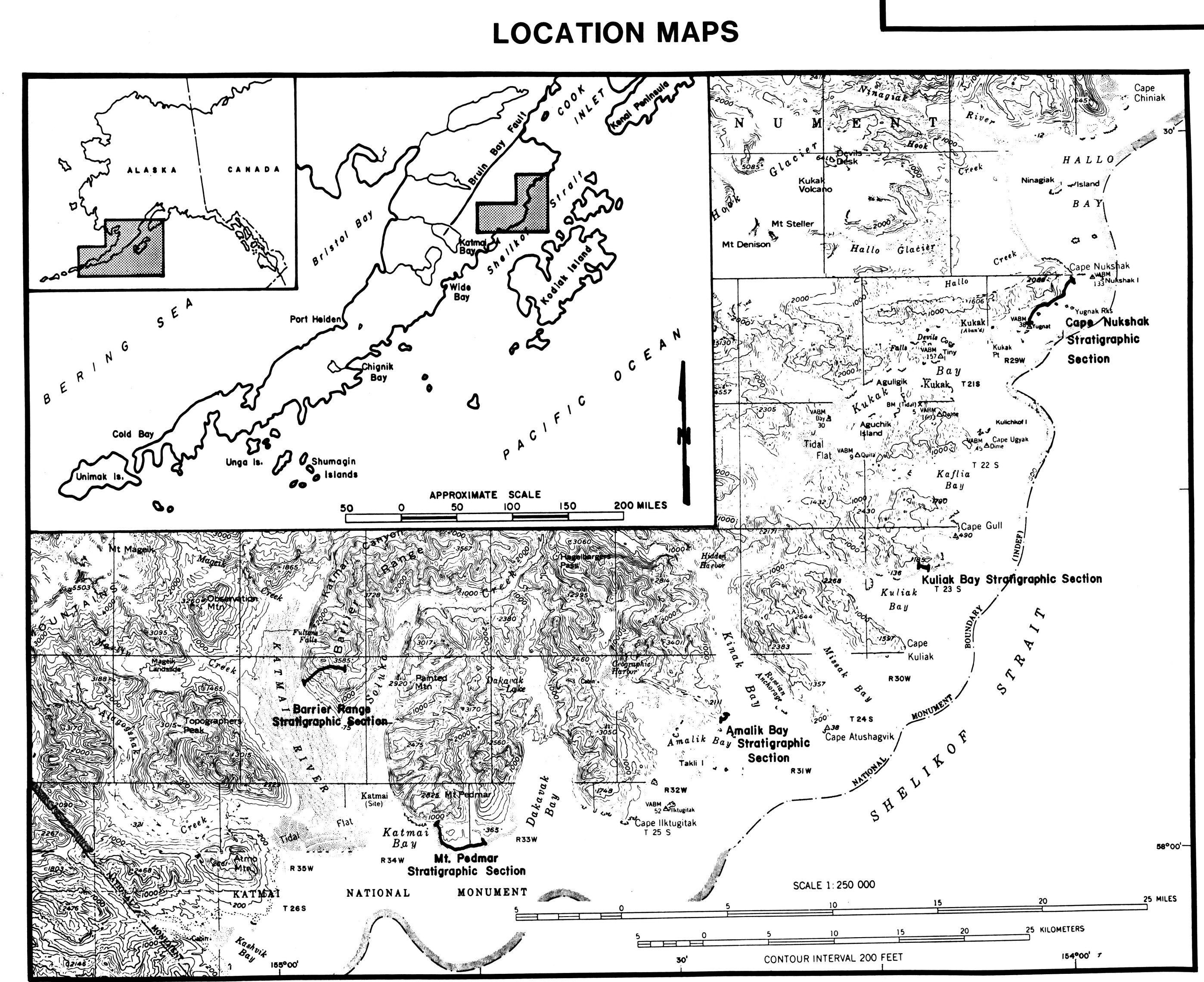


NOTE: Cross Section is Diagrammatic.

INTRODUCTION

In June-July 1979 stratigraphic sections were measured in the Katmai, Alaska, area as part of a continuing program to collect stratigraphic, reservoir, and source-rock data for evaluation of tracts for Outer Continental Shelf (OCS) Sale 60, scheduled for September 1981. This report presents five stratigraphic sections measured on the southeast side of the upper Alaska Peninsula, between Hallo Bay and Katmai Bay.

Field transportation was by helicopter and, occasionally, rubber boat from a tent camp established at Geographic Harbor in Amalik Bay; logistic support was provided by a float plane based at Homer, Kenai Peninsula. Paleontological identifications, by D. L. Jones and J. W. Miller (written communication, 1980), U.S. Geological Survey, were used to age-date the strata measured in the Barrier Range and Mt. Pedmar sections. Floral collections used to age-date the strata in the top of the Barrier Range, Amalik Bay, Kuliak Bay, and Cape Nukshak sections, were identified by J. A. Wolfe (oral communication, 1981), U.S. Geological Survey. Geochemical analyses, by Geochem Laboratories, Inc., Houston, Texas, are shown on the stratigraphic sections as weight percent organic carbon content. Porosity and permeability analyses shown were by Chemical and Geological Laboratories of Alaska, Inc., Anchorage. Color designations are from the Rock-color chart (revised 1970, published by Geological Society of America).



STRATIGRAPHIC SECTIONS, HALLO BAY TO KATMAI BAY, SHELKOF STRAIT, ALASKA, 1979  
GEORGE W. PETERING AND THOMAS N. SMITH