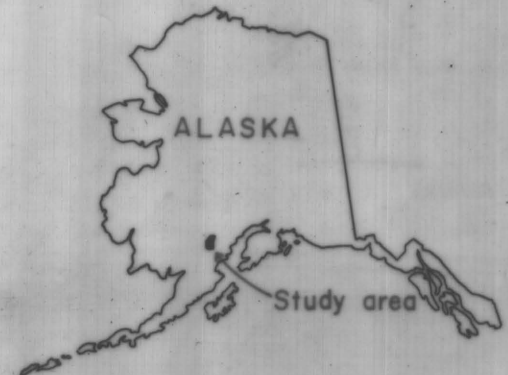
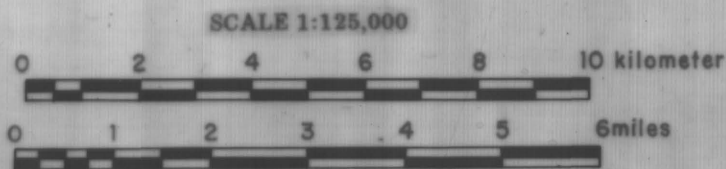


This is a preliminary publication of the Alaska Division of Geological and Geophysical Surveys and as such has not received final editing and review. The author will appreciate careful comments on the accuracy of the data, and welcome suggestions that will improve the report.



Base from U.S. Geological Survey, Lake Clark A-6, B-6, B-6, B-7, C-4, C-6, C-6, D-4, D-5, 1:63,360, 1954 quadrangles, Alaska.

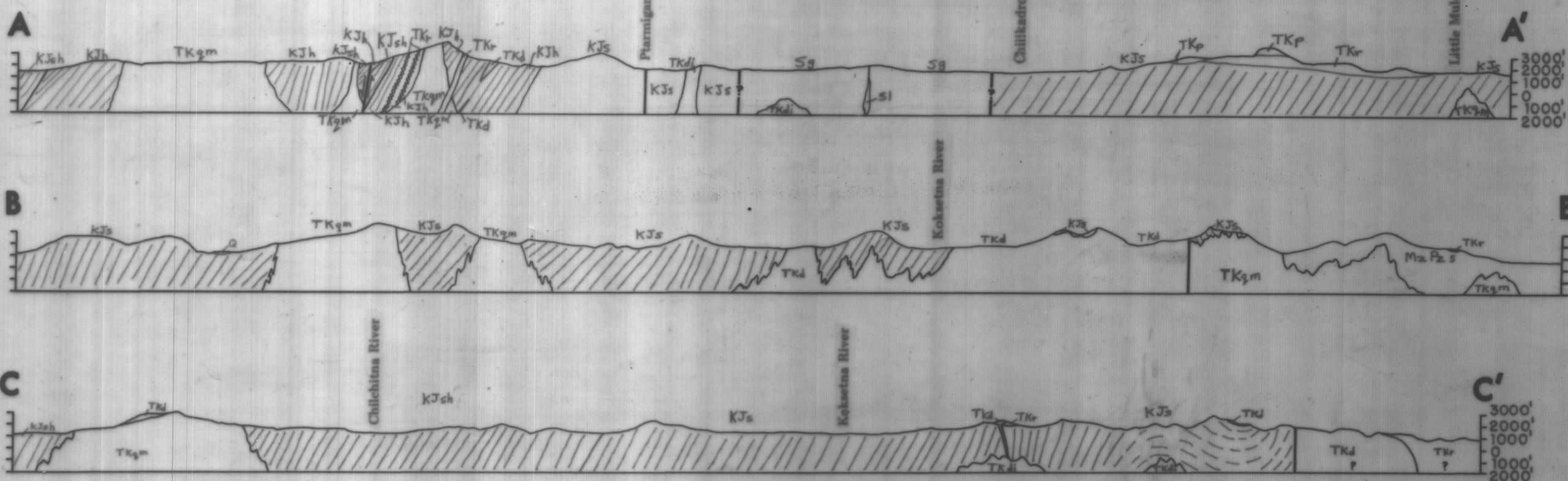


EXPLANATION

Upper Cretaceous-Paleocene	Q Alluvial, colluvial, and glacial deposits	QUATERNARY
	TKf TKd TKb TKp Volcanic rocks TKf - rhyolite flows and tuff; includes some dikes TKd - dacite flows and pyroclastic rocks; includes some hypabyssal intrusions TKb - basalt flows TKp - compositionally undetermined tuff, breccia, and breccia	
	TKqm TKdl Plutonic rocks TKqm - quartz monzonite with minor granodiorite TKdl - diorite	
	TKs Sericite alteration	
Upper Jurassic(?)	Kjs Ksh Kbh Sandstone and siltstone Interbedded marine volcanoclastic sandstone, siltstone, and shale Kjs - volcanoclastic sandstone with important but subordinate beds of siltstone and shale and minor beds of granite conglomerate. Contains specimens of probable <i>Buchia monensis</i> at fossil locality 3 Ksh - siltstone, argillite, and shale, with important but subordinate beds of volcanoclastic sandstone. Contains possible belemnoid at fossil locality 1 Kbh - dark-gray, locally gossanized, massive, hornfelsed Kjs and Ksh; contains some spotted phyllite and numerous unmappable dikes	JURASSIC AND CRETACEOUS
	MzPsa Biotite-feldspar-quartz schist; locally actinolite-feldspar-quartz schist or garnet-feldspar-quartz schist	
	Sg Greenstone	
	Sph Upper Silurian Sph - purple basalt and hematite-rich sandstone	
Paleozoic or Mesozoic	Ss Dark-green basalt with relict pillow structures; contains minor red and black chert	PALEOZOIC OR MESOZOIC
	S Highly fractured dark-gray limestone and chert; contains stromatoporoids, undet. solitary rugose coral, <i>Pentamerus</i> or <i>Pentameroides</i> sp., <i>Chonetes</i> sp., and undet. graptoloid brachiopods at fossil locality 2.	
	Sg Gray shale and gray volcanoclastic sandstone	
	Sb Silurian Sb - dark-green basalt with relict pillow structures; contains minor red and black chert	

SYMBOLS

- Fault (dashed where appropriate or uncertain, dotted where concealed)
- Contact (dashed where uncertain)
- Strike and dip of beds
- Strike and dip of joints
- Strike and dip of cleavage
- Strike and dip of foliation with bearing and plunge of minor fold axis
- K-Ar age locality (table 1)
- Fossil locality



GEOLOGIC MAP OF WEST-CENTRAL LAKE CLARK QUADRANGLE, ALASKA

by
G.R. Eakins, W.G. Gilbert, T.K. Bundtzen

1978