

**EXPLANATION**

**Unconsolidated deposits**  
Includes stream and beach deposits, glacial till and outwash gravels, colluvium, and landslide debris. Landslide near Bluff Point is shown as Q2s.

**Kenai formation**  
Interbedded poorly consolidated sandstone, siltstone, claystone, and minor amounts of conglomerate. Contains many beds of subbituminous coal and lignite.

**Contact**  
Dashed where approximately located

**Fault, showing dip**  
Dashed where approximately located, dotted where concealed, U, upthrown side; D, downthrown side

**Vertical fault**  
Dashed where approximately located, U, upthrown side; D, downthrown side

**Strike and dip of beds**  
⊙  
Horizontal beds

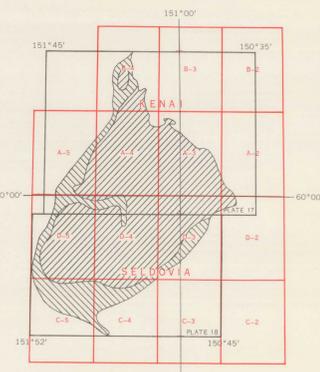
**Coal section localities**  
Barred lines represent sections of considerable horizontal extent. Numbers correspond to those in text

**Coal sample locality**  
Letters correspond to those in table 1

**SYMBOLS USED ON SECTIONS**

**Bedding in Kenai formation**  
As inferred from exposures on beach bluffs

**Fault**  
Dashed where inferred. Arrows show relative direction of displacement; numbers give amount of vertical displacement in feet

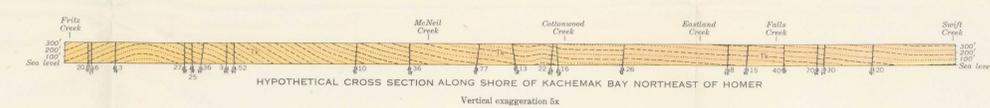


▨ Detailed ground mapping  
▨ Ground and aerial reconnaissance mapping supplemented by photogeologic interpretation

**INDEX MAP OF THE HOMER DISTRICT**  
Red overprint shows published topographic maps of the area at scale 1:63,360; parts of which were used for the base



151°52'30" 50' 45' 40' 35' 30' 25' 20' 15' 10' 5' 151°00' 55' 50' 45' 59°55' 59°50' 59°45' 59°40' 59°35'



**GEOLOGIC MAP OF THE SOUTHERN PART OF THE HOMER DISTRICT, KENAI PENINSULA, ALASKA**



Contour intervals 50 and 100 feet  
Dotted lines represent half-interval contours  
Datum is mean sea level

Geologic mapping by F. F. Barnes, E. H. Cobb, F. J. Markewicz, D. M. Ford, Daniel Sokol, and H. C. Wagner, 1947-1951 and 1954