



EXPLANATION

Unconsolidated Deposits

Qls

Landslide

Qta

Talus

Qas

Alluvial sand

Qs

Swamp deposit

Qm

Meadow deposit

Qaf

Alluvial fan deposit

Qt

Terrace deposit

Qo

Outwash

Qmo

End, lateral, and ground moraines

Bedrock

Tss

Sandstone, shale, siltstone,  
arkose, argillite, and conglomerate

pTm

Metamorphosed silty and sandy  
sediments, with greenstone, limestone,  
chert, and igneous rocks

Contact

(Dashed includes indefinite contact and  
inferred, gradational, and indefinite  
boundaries of surficial deposits)

Fault

(Dashed and questioned where indefinite;  
dotted and questioned where covered and indefinite)

Location of sample shown on Figure 2

3' Qm  
Qt

3' of meadow deposits overlying terrace deposits

PLEASE REPLACE IN POCKET  
IN BACK OF BOUND VOLUME

QUATERNARY

PRE-TERTIARY TERTIARY

Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Topography from aerial photographs by multiplex methods 1953  
Aerial photographs taken 1950  
Universal Transverse Mercator projection, zone 6  
1927 North American datum

Surficial geology by Reuben Kachadoorian and D. D. Smith 1955  
Bedrock geology by D. J. Miller 1945 and 1951; D. J. Miller,  
D. L. Rossman, and C. A. Hickcox 1944

TRUE NORTH  
MAGNETIC NORTH  
APPROXIMATE MEAN  
DECLINATION, 1953

SCALE 1:40,000  
5000 0 5000 10000 15000 20000 FEET

CONTOUR INTERVAL 100 FEET  
DATUM IS MEAN SEA LEVEL  
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER

ALASKA  
QUADRANGLE LOCATION