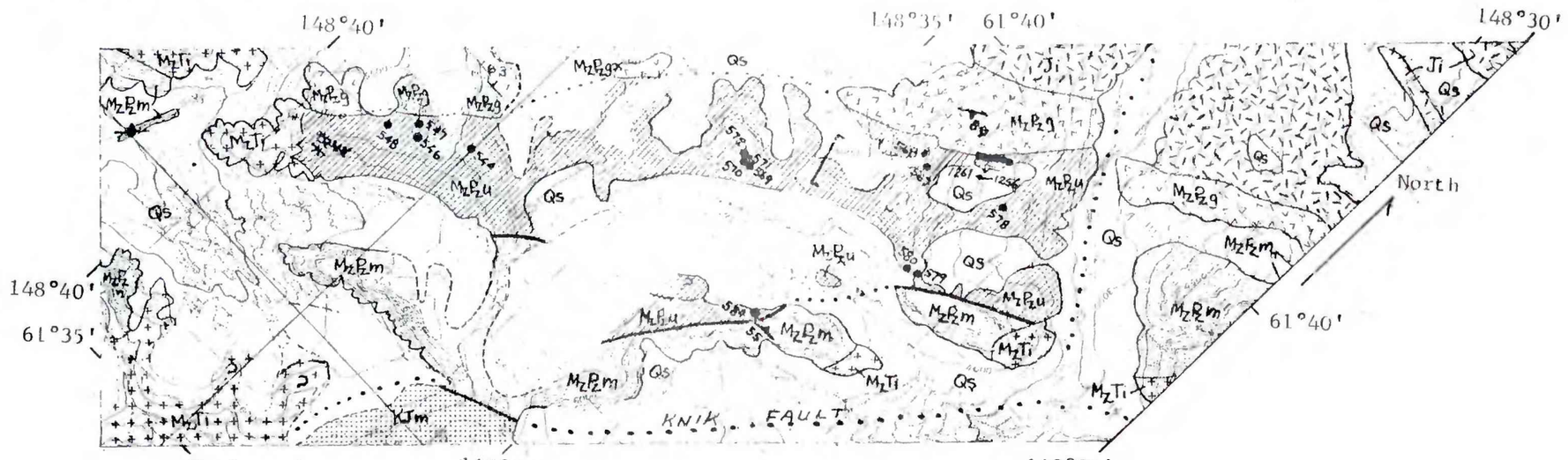
#522

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN FILE MAP



Base from U. S. Geological Survey 1:63,360 Anchorage C-5 quadrangle, 1960

Geology by S. H. B. Clark and M. E. Yount, 1971

EXPLANATION

Qs

Quaternary surficial deposits
Mainly talus, glacial and alluvial deposits

MzTi

Upper Jurassic to Teritary plutonic rocks
Mainly albite granite . Queried where doubtful

KJm

Upper Jurassic and/or Cretaceous McHugh Complex
Includes marine metaclastic and metavolcanic rocks

Ji

Jurassic(?) plutonic rocks
Mainly quartz diorite

MzPzg

Upper Paleozoic to lower Mesozoic greenstone and bedded chert
Greenstone includes metabasalt(?) and altered diabase

MzPzu

Upper Paleozoic or lower Mesozoic ultramafic rocks
Mainly dunite, clinopyroxenite and peridotite; includes light-colored strongly altered gabbroic layers in the northwest part. Queried where doubtful

MzPzm

Upper Paleozoic or lower Mesozoic (Permian?) metamorphic rocks
Mainly amphibolite-facies schists

Contact approximately located, dotted where concealed

Fault, approximately located, dotted where concealed

Approximate extent of glaciers where base map has been modified

Measured — Estimated from distant observation

Strike and dip of beds or layering

50 Inclined — Vertical

Strike and dip of foliation or schistosity

•572 Sample locality and number

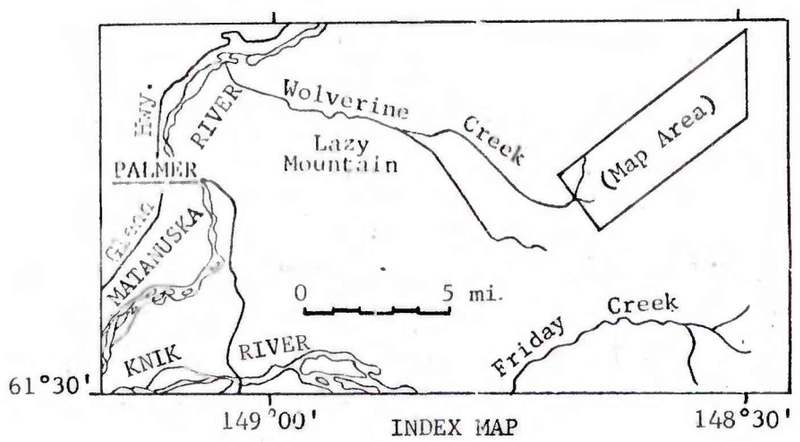
Photo location, figure 2

Dikes or sills, probably albite granite

0 1 2 3 miles

SCALE

Contour interval 100 Feet
DATUM IS MEAN SEA LEVEL



OPEN-FILE MAP

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey standards and nomenclature.

FIGURE 1. RECONNAISSANCE GEOLOGIC MAP OF THE WOLVERINE ULTRAMAFIC COMPLEX SHOWING SAMPLE LOCALITIES.