

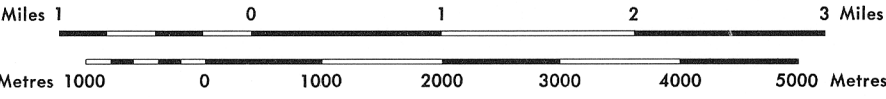


GEOLOGICAL SURVEY OF CANADA  
DEPARTMENT OF ENERGY, MINES AND RESOURCES

Figure 16

Upper Paleozoic rocks near Sentinel Mountain  
west central Atlin map-area, British Columbia

Scale 1:63,360  
(1 inch to 1 mile)



LEGEND

QUATERNARY

Q Glacial deposits and alluvium; includes areas of little or no outcrop

MESOZOIC

Mg Granitic rocks

MESOZOIC (?)

TJvs Sandstone, conglomerate

UPPER PALEOZOIC AND (?) LOWER TRIASSIC

CACHE CREEK GROUP

cPH HORSEFEED FORMATION: limestone, minor dolomitic limestone

cPK KEDAHDA FORMATION: cPK, bedded chert, cherty pelite, minor pelite and tuff; cPKs, volcanic sandstone; cPKc, limestone; cPKvb, basic volcanic rock

cPN NAKINA FORMATION: cPN, basalt, flow breccia; cPnd, diabase; cPnt, lithic tuff

UNKNOWN AGE, PROBABLY RELATED TO NAKINA FORMATION  
(Atlin Intrusions of Aitken, 1959)

cPub Serpentinite, serpentinized peridotite and dunite

Geological boundary (defined, approximate, assumed)

Limit of geological mapping

Bedding (inclined, vertical)

Tops determined from pillow lavas, differentiated diabase sills

Fault (assumed; solid circle indicates downthrow side)

Chemical analysis (numbers 1 to 8 refer to analysis in Table 1 in text)

FOSSIL LOCALITIES

Late Permian (Guadalupian)

Late Early Permian (~Leonardian)

Early Early Permian (~Wolfcampian)

Late Pennsylvanian

Middle Pennsylvanian

Late Mississippian

Early Mississippian

(numbers refer to identifications in Appendix 1, Table 3)

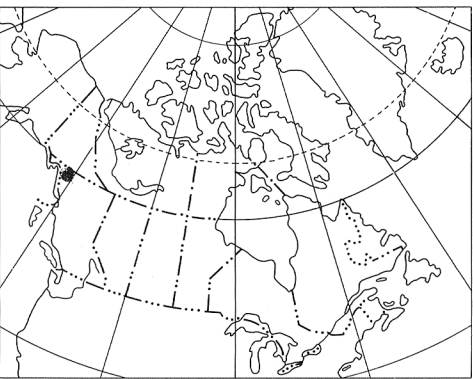
Geology by J.W. Monger

To accompany GSC Paper 74-47 by J.W. Monger

Geological cartography by the Geological Survey of Canada

Base-map cartography by the Geological Survey of Canada  
from maps published by the Surveys and Mapping Branch, in 1971

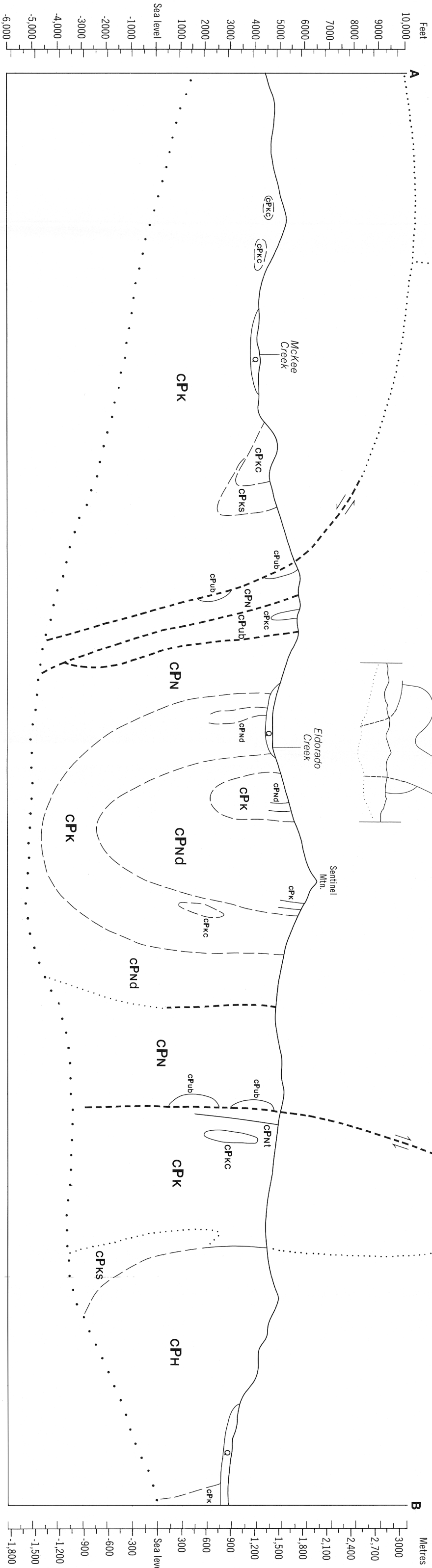
Approximate magnetic declination 1974, 30°12.8' East, decreasing 3.6' annually



INDEX MAP



Printed by the Surveys and Mapping Branch, 1974



Diagrammatic cross-section along A-B

Figure 16