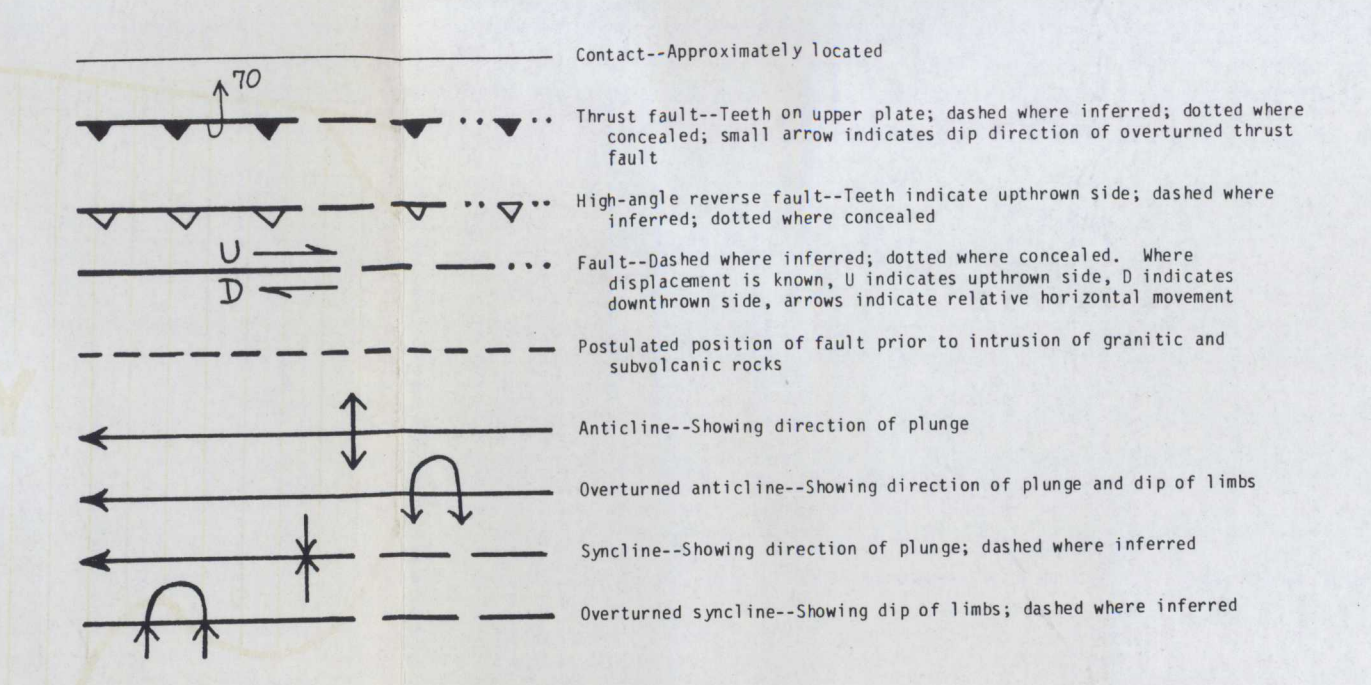


EXPLANATION OF GEOLOGIC MAP SYMBOLS



EXPLANATION OF TECTONOSTRATIGRAPHIC TERRANE SYMBOLS

- YT - Yukon-Tanana terrane
  - TK - Talkeetna superterrane
  - NF - Nixon Fork terrane equivalent
  - FL - Para-autochthonous flysch deposits and associated rocks
  - CH - Rocks of the Chulitna district (Chulitna terrane of Jones and others, 1983)
  - m - Melange rocks
  - bs - Basalts and sedimentary rocks of unknown relation (Part of the McKinley terrane of Jones and others, 1983)
- Terrane designation is queried where correlation is uncertain

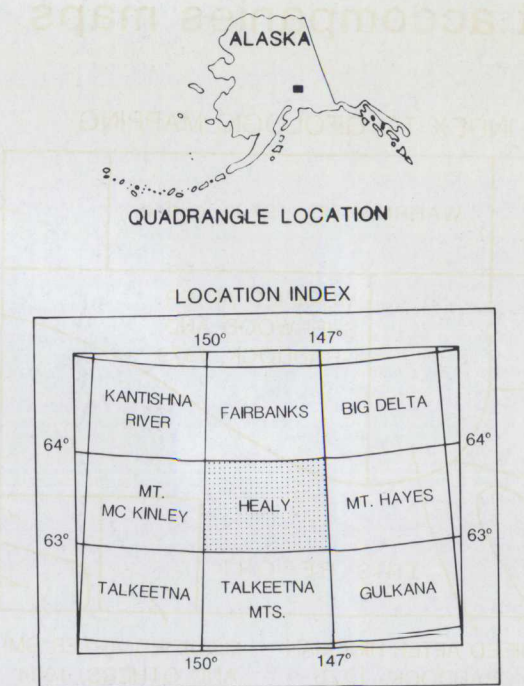
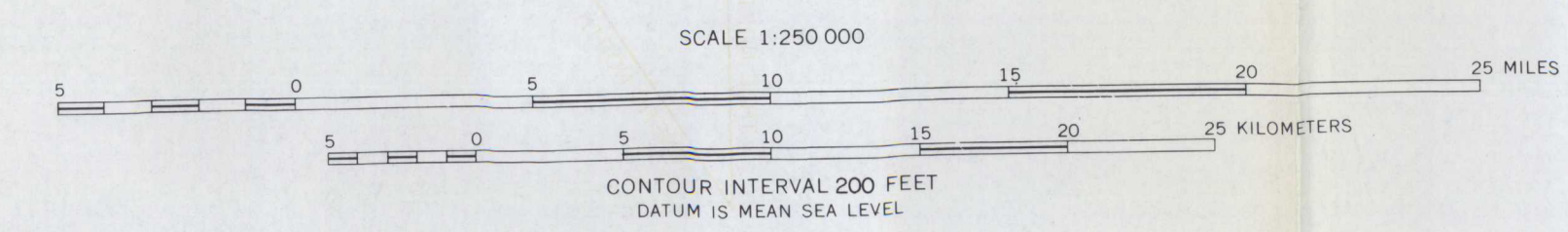
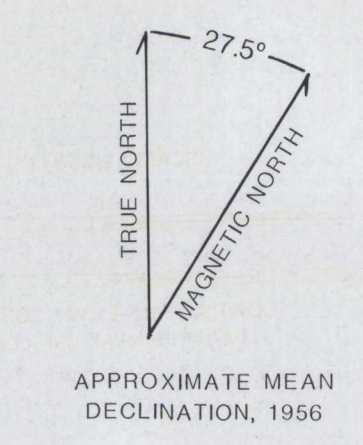
EXPLANATION OF METAMORPHIC FEATURES OF THE MACLAREN METAMORPHIC BELT

- Approximate extent of amphibolite facies metamorphism; barbs toward amphibolite facies rocks
- Metamorphic isograd - approximately located; Bi - Biotite, Gar - Garnet

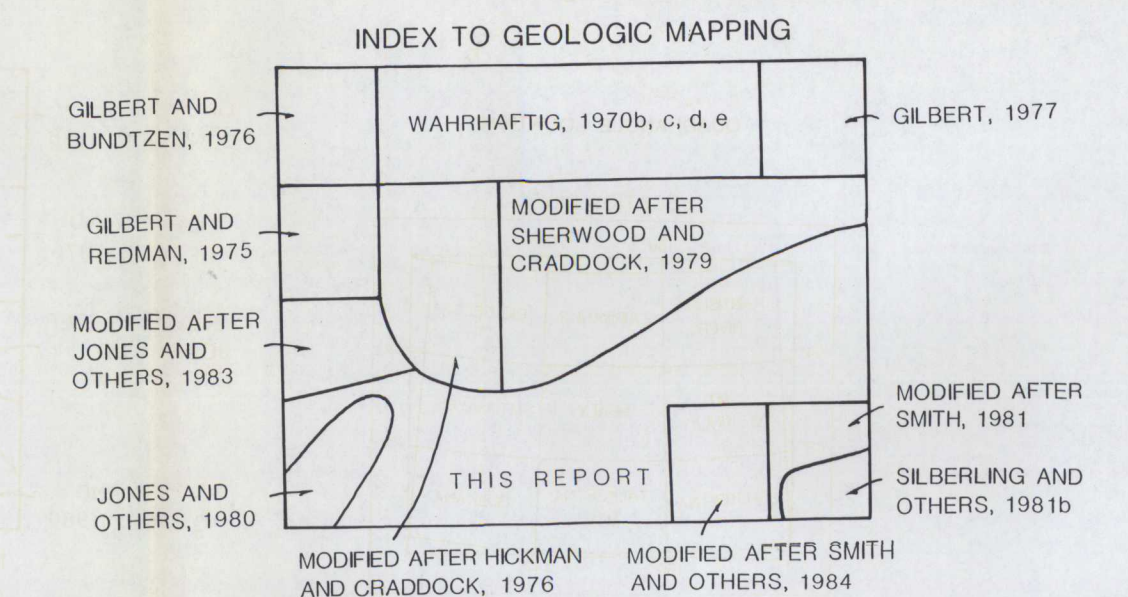
EXPLANATORY NOTE

In constructing the terrane map and the extent of the Maclaren metamorphic belt, sedimentary and volcanic rocks of Cenozoic age, and plutonic rocks of Tertiary and Cretaceous ages have been omitted for clarity.

Base by U.S. Geological Survey, 1956, 1963, 1966



Pamphlet accompanies maps



**GEOLOGY AND GEODATUMS OF THE HEALY QUADRANGLE, ALASKA**  
SHEET 4 OF 4 SHEETS OF OPEN-FILE REPORT 86-396: INTERPRETIVE TECTONOSTRATIGRAPHIC TERRANE MAP OF THE HEALY QUADRANGLE, AND THE APPROXIMATE EXTENT OF THE MIDDLE CRETACEOUS MACLAREN METAMORPHIC BELT IN THE QUADRANGLE

By

Béla Csejtey, Jr., Michael W. Mullen, Dennis P. Cox, Wyatt G. Gilbert, Warren E. Yeend, Thomas E. Smith,  
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OF 86-396  
Healy quad.  
Terrane map