

EXPLANATION

- s Surficial deposits
Glacial outwash and till, includes lake deposits, recent marine clays, colluvium and alluvium
- d Detrital clastic rocks
Mainly graywacke, shale, siltstone, conglomerate, metamorphosed in some areas, includes Tertiary sediments on west coast
- c Carbonate rocks
Mainly limestone, minor dolomite locally, marble or hornfels in some areas
- v Volcanic rocks
Mainly mafic to intermediate lava flows and breccia, hornfels, greenstone, greenschist, or amphibolite in some places
- m Undifferentiated metamorphic rocks
- gn Heterogenous gneissic rocks
Gneisses mainly diorite to tonalite, commonly foliated
- gf Foliated granitic rocks
Mainly diorite and granodiorite
- gr Unfoliated granitic rocks
Mainly granodiorite and granite
- ga Gabbroic rocks
- Contact --- Dotted where concealed
- Fault --- Dotted where concealed

- ▲ Mineral Locations, Metallic Mineral Resources compiled by Cobb, 1972
- Placer Deposits
- ∩ Beach Placer Deposits
- Metallic Mineral Deposits not compiled by Cobb, from U.S.G.S. Professional Paper 632
- ▨ Interpretive area of the Crillon - LaPerouse Gabbroic Intrusive
 - Nickel (Stream sediment sample, value in excess 40 ppm)
 - Copper (Stream sediment sample, value in excess 50 ppm)
- Indefinite Boundary of Brady Glacier National Monument (Includes part of the area contained within the three mile limit historically assigned to State ownership)

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

**GEOLOGIC MAP AND KNOWN METALLIFEROUS MINERAL DEPOSITS,
GLACIER BAY NATIONAL MONUMENT**

Compiled from U.S. Geological Survey sources by D.L. McGee

1974

Scale 1:250,000

5 0 5 10

AOF 47

