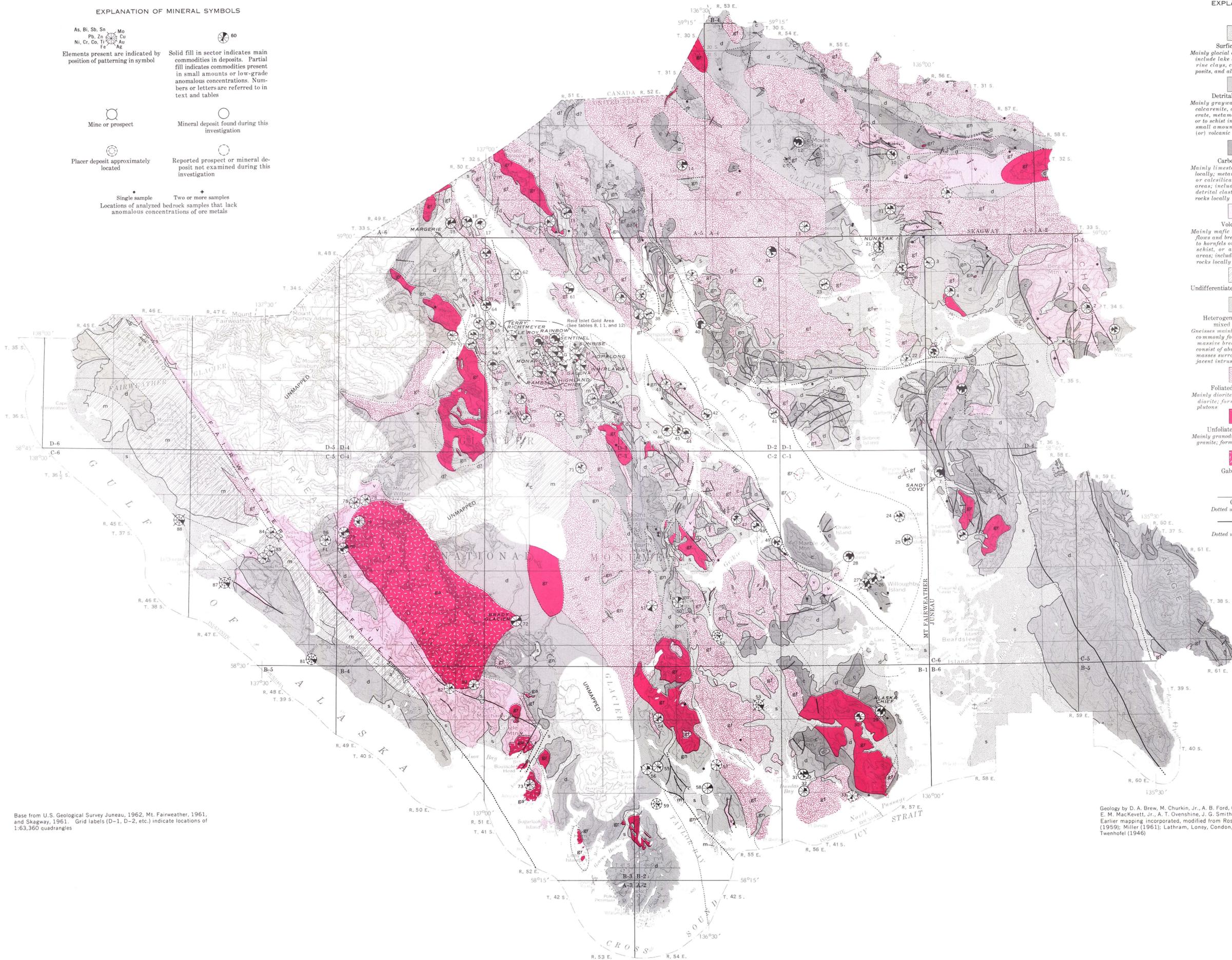


EXPLANATION OF MINERAL SYMBOLS

- |  |  |
|--|--|
| <p>As, Bi, Sb, Sn<br/>Pb, Zn<br/>Ni, Cr, Co, Fe<br/>Mo<br/>Cu<br/>Au</p> <p>Elements present are indicated by position of patterning in symbol</p> | <p>60</p> <p>Solid fill in sector indicates main commodities in deposits. Partial fill indicates commodities present in small amounts or low-grade anomalous concentrations. Numbers or letters are referred to in text and tables</p> |
| <p>○</p> <p>Mine or prospect</p>   | <p>○</p> <p>Mineral deposit found during this investigation</p>  |
| <p>○</p> <p>Placer deposit approximately located</p>   | <p>○</p> <p>Reported prospect or mineral deposit not examined during this investigation</p>  |
| <p>•</p> <p>Single sample</p>  | <p>+</p> <p>Two or more samples</p>  |
| <p>Locations of analyzed bedrock samples that lack anomalous concentrations of ore metals</p>  |  |

EXPLANATION

- |   |
|---|
| <p>s</p> <p>Surficial deposits</p> <p>Mainly glacial outwash and till, but include lake deposits, recent marine clays, colluvium, beach deposits, and alluvium</p>  |
| <p>d</p> <p>Detrital clastic rocks</p> <p>Mainly graywacke, shale, siltstone, calcarenite, and minor conglomerate, metamorphosed to hornfels or to schist in some areas; include small amounts of carbonate and (or) volcanic rocks locally</p>                       |
| <p>c</p> <p>Carbonate rocks</p> <p>Mainly limestone, minor dolomite locally; metamorphosed to marble or calcisilicate hornfels in some areas; include small amounts of detrital clastic and (or) volcanic rocks locally</p>   |
| <p>v</p> <p>Volcanic rocks</p> <p>Mainly mafic to intermediate lava flows and breccia; metamorphosed to hornfels or to greenstone, greenschist, or amphibolite in some areas; include some detrital clastic rocks locally</p>   |
| <p>m</p> <p>Undifferentiated metamorphic rocks</p>  |
| <p>gn</p> <p>Heterogeneous gneisses and mixed contact zones</p> <p>Gneisses mainly dioritic to tonalitic, commonly foliated, but with some massive breccia. Contact zones consist of abundant large hornfels masses surrounded by rock of adjacent intrusive body</p> |
| <p>gr</p> <p>Foliated granitic rocks</p> <p>Mainly diorite, tonalite, and granodiorite; form partly discordant plutons</p>  |
| <p>gr</p> <p>Unfoliated granitic rocks</p> <p>Mainly granodiorite, adamellite, and granite; form discordant plutons</p>   |
| <p>g</p> <p>Gabbroic rocks</p>  |
| <p>—</p> <p>Contact</p> <p>.....</p> <p>Dotted where concealed</p>  |
| <p>—</p> <p>Fault</p> <p>.....</p> <p>Dotted where concealed</p>  |

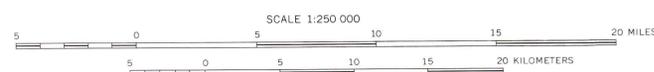


Base from U.S. Geological Survey Juneau, 1962, Mt. Fairweather, 1961, and Skagway, 1961. Grid labels (D-1, D-2, etc.) indicate locations of 1:63,360 quadrangles

Geology by D. A. Brew, M. Churkin, Jr., A. B. Ford, C. C. Hawley, L. C. Huff, E. M. MacKevett, Jr., A. T. Ovenshine, J. G. Smith, and R. J. Wehr, 1966. Earlier mapping incorporated, modified from Rossman (1963a, b); Seitz (1959); Miller (1961); Lathram, Loney, Condon, and Berg (1959); and Twenhofel (1946)

MAP SHOWING BEDROCK LITHOLOGY AND LOCATIONS OF KNOWN METALLIFEROUS MINERAL DEPOSITS, GLACIER BAY NATIONAL MONUMENT, ALASKA

Includes previously known deposits and deposits found during the current investigation.  
The term "mineral deposits" as here used includes all anomalous concentrations of metallic commodities detected



CONTOUR INTERVAL 200 FEET  
DOTTED LINES REPRESENT 100 FOOT CONTOURS  
DATUM IS MEAN SEA LEVEL  
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOWER LOW WATER  
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER  
1970 MAGNETIC DECLINATION OF SHEET VARIES FROM 29° TO 30° EAST