

DESCRIPTION OF MAP UNITS

UNDIVIDED SURFICIAL DEPOSITS - Include old and modern alluvium, landslides, tufa, talus, colluvium, and diverse moraines.

MORAINES ON ICE

WEST OF CHILKAT RIVER

INTRUSIVE ROCKS

- Tqg: Quartz diorite and subordinate granodiorite
- Kqg: Quartz diorite and subordinate granodiorite. Generally more mafic, slightly coarser grained, and more widely foliated than unit Tqg
- Kd: Dioritic rocks. Chiefly hornblende diorite

METAMORPHIC ROCKS

- Prgn: Dominantly gneiss rich in quartz and biotite and generally containing muscovite and plagioclase. Associated with minor schist, phyllite, and marble
- Pzm: Marble; chiefly banded, light gray or white, fine grained, locally dolomitic
- Psl: Slate, dark-gray; weathers brown; locally metamorphosed to hornfels near granitic plutons
- Psa: Dominantly chlorite-biotite schist and phyllite, in places carbonaceous. Subordinate slate, impure quartzite, and marble. Chiefly greenschist-facies rocks
- Psb: Chiefly amphibolite and schist; some phyllite and minor gneiss, hornfels, and marble. Mainly amphibolite and greenschist-amphibolite transition-facies rocks
- Psu: Undivided metamorphic rocks. Mainly thermally metamorphosed; include hornfels and amphibolite and subordinate slate, schist, and marble

EAST OF CHILKAT RIVER

IGNEOUS ROCKS

- Tg: Leucogranodiorite and minor granite
- TKg: Quartz diorite and minor granodiorite
- Kp: Pyroxenite. Dominantly hornblende pyroxenite
- Kgd: Gabbro and diorite. Locally metamorphosed
- Kmb: Metabasalt. Metamorphosed mafic lavas

— 50 — Contact, showing dip - Approximately located. Dotted where concealed

— 100 — Fault, showing dip - Approximately located. Dotted where concealed. U, up-thrown side; D, downthrown side

— Lineament from aerial photograph. Dotted where concealed. Most lineaments are probably faults

Shear zone

Antiform

Strike and dip of foliation

- Inclined
- Vertical

Strike and dip of foliation estimated from a distance or from aerial photographs

- Inclined
- Vertical or near-vertical

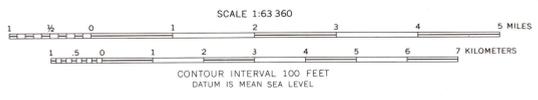
Prospect, showing symbol of main commodity or commodities sought

Sample localities

- Sample analyzed by semiquantitative spectrographic methods. Location numbers are keyed to analyses given in tables 1, 3, and 8
- General location of samples from main barite prospect. See table 8 for analyses
- General location of samples from nunatak barite prospect. See table 8 for analyses
- Sample radiometrically dated by the potassium-argon method on biotite or hornblende. Analytical data are given in table 4

Base from U.S. Geological Survey, 1:63,360 Skagway B-3, B-4, 1954

RECONNAISSANCE GEOLOGIC MAP OF THE SKAGWAY B-3 AND B-4 QUADRANGLES, ALASKA



Interior - Geological Survey, Washington, D.C. - 1974. G73238
Geology by E. M. MacKewitt, Jr., 1969-71;
G. R. Winkler, 1969-70; E. C. Robertson,
1950, 1953; D. A. Brew, 1969; and
D. H. Grybeck, 1969