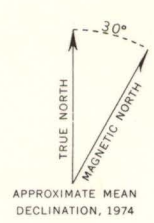
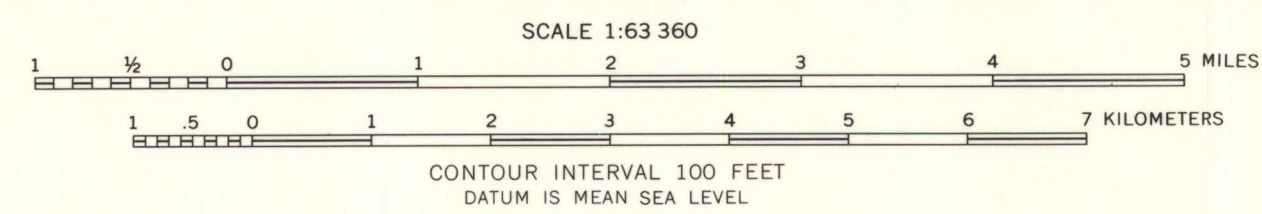


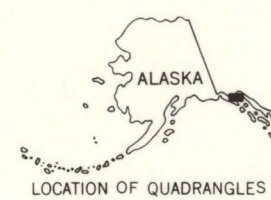
Base from U.S. Geological Survey, 1:63,360
Skagway B-3, B-4, 1954



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

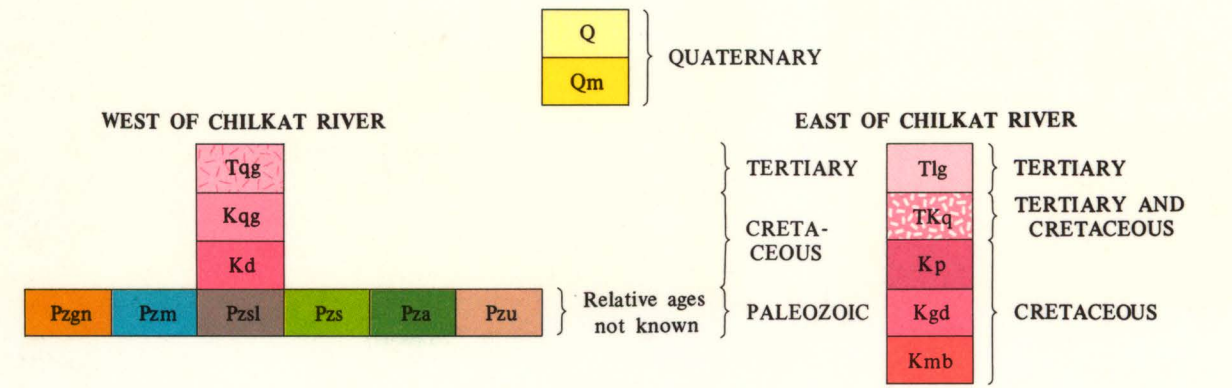


U.S. GOVERNMENT PRINTING OFFICE: 1974-543-584/78



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

CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

Q UNDIVIDED SURFICIAL DEPOSITS—Include old and modern alluvium, landslides, tufa, talus, colluvium, and diverse moraines
Qm MORAINES ON ICE

WEST OF CHILKAT RIVER

INTRUSIVE ROCKS
Tgq Quartz diorite and subordinate granodiorite
Kqg Quartz diorite and subordinate granodiorite. Generally more mafic, slightly coarser grained, and more widely foliated than unit Tgq
Kd Dioritic rocks. Chiefly hornblende diorite
Metamorphic Rocks
Pgn 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
Pru Chiefly amphibolite and schist; some phyllite and minor gneiss, hornfels, and marble. Mainly amphibolite and greenschist-amphibolite transition-facies rocks. 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
Tkq Quartz diorite and minor granodiorite
Kp Pyroxenite. Dominantly hornblende pyroxenite
Kgd Gabbro and diorite. Locally metamorphosed
Kmb Metabasalt. Metamorphosed mafic lavas

Legend:
— Contact, showing dip—Approximately located. Dotted where concealed
— 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
xAg Prospect, showing symbol of main commodity or commodities sought
Sample localities
⑤ Sample analyzed by semiquantitative spectrographic methods. Location numbers are keyed to analyses given in tables 1, 3, and 8
① General location of samples from main barite prospect. See table 8 for analyses
② General location of samples from nunatak barite prospect. See table 8 for analyses
○A Sample radiometrically dated by the potassium-argon method on biotite or hornblende. Analytical data are given in table 4