



Base from U. S. Geological Survey 1:250,000, 1951
Sitka; Mt. Fairweather

Geology simplified by B. R. Johnson and S. M. Karl, 1981

GEOCHEMICAL MAP SHOWING DISTRIBUTION AND ABUNDANCE OF COPPER, LEAD, ZINC, AND BARIUM IN THE NONMAGNETIC, HEAVY-MINERAL CONCENTRATE SAMPLES IN THE WEST CHICHAGOF-YAKOBI WILDERNESS STUDY AREA, SITKA QUADRANGLE, SOUTHEASTERN ALASKA

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Studies Related to Wilderness

The Wilderness Act (Public Law 88-577, Sept. 3, 1964) and related Acts require the U.S. Geological Survey to survey certain areas on Federal lands to determine their mineral resource potential. Results must be made available to the public and be submitted to the President and the Congress. This report presents the results of a geochemical survey of the West Chichagof-Yakobi Wilderness Study Area, Sitka quadrangle, southeastern Alaska.

| CORRELATION OF MAP UNITS | |
|--------------------------|---------------------------|
| Qal | QUATERNARY |
| Tf | TERTIARY(?) |
| Kd | CRETACEOUS(?) |
| Ks | CRETACEOUS |
| Kkb | CRETACEOUS AND JURASSIC |
| KJf | CRETACEOUS AND JURASSIC |
| Tru | TRIASSIC(?) |
| Trg | MESOZOIC AND PALEOZOIC(?) |
| MzPzu | MESOZOIC AND PALEOZOIC(?) |

LIST OF MAP UNITS

| | |
|-------|--|
| Qal | ALLUVIAL DEPOSITS--Undivided |
| Tf | FELSIC PLUTONIC ROCKS--Dominantly tonalitic |
| Tm | MAFIC PLUTONIC ROCKS--Dominantly gabbroic |
| Kd | DIORITE STILL--Extensively altered |
| Ks | SITKA GRAYWACKE |
| Kkb | KELP BAY GROUP--Metasediments and metavolcanics |
| KJf | FELSIC PLUTONIC ROCKS--Dominantly granodiorite |
| KJm | MAFIC PLUTONIC ROCKS--Dominantly quartz diorite, diorite, and gabbro |
| Tru | WHITESTRIPE MARBLE |
| Trg | GOON DIP GREENSTONE |
| MzPzu | UNDIVIDED METASEDIMENTARY--Metavolcanic and metaplutonic rocks |