

LIST OF MAP UNITS

Qal	Alluvial deposits, unconsolidated
Tf	Alaska glaciolacustrine sands
Wf	Wedge phosatic sands
Wt	Wedge silt, extensively altered
Wc	Wedge claystone
Wp	Wedge siltstone
Wd	Wedge sandstone
Wb	Wedge shale
Wm	Wedge mudstone
Wl	Wedge limestone
Wk	Wedge dolomite
Wn	Wedge metamorphic, metamorphic, and magmatic rocks

CORRELATION OF MAP UNITS

Qal	QUATERNARY
Tf	TERTIARY (?)
Wf	CRETACEOUS (?)
Wt	CRETACEOUS
Wc	CRETACEOUS AND JURASSIC
Wp	CRETACEOUS (?)
Wd	CRETACEOUS
Wb	CRETACEOUS
Wm	CRETACEOUS
Wl	CRETACEOUS
Wk	CRETACEOUS
Wn	CRETACEOUS AND PALEOZOIC

SYMBOLS

- Contact, approximately located, dotted where concealed
- - - Boundary of study area
- Geochemical sample site

SCALE 1:250,000

0 2 4 6 8 MILES

0 2 4 6 8 KILOMETERS

STUDIES RELATED TO WILDERNESS

The Wilderness Act (Public Law 91-647, September 8, 1980) and related acts require the U.S. Geological Survey and the U.S. Bureau of Mines 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 western Chichagof-Yakobi Islands Wilderness Study Area in the Tongass National Forest, Alaska. About 55 percent of the study area was established as wilderness on December 7, 1980, under the Alaska National Interest Lands Conservation Act (P.L. 96-487).

In the course of the U.S. Geological Survey investigation of the western Chichagof-Yakobi Islands Wilderness Study Area, 123 bedrock geochemical samples were collected and analyzed for 33 elements by a wavelength-dispersive spectrometric method (Johnson and Hartman, 1983) and for 13 elements by a neutron activation spectrometric method (Lund and others, 1983). This map shows sample collection sites and the station number associated with each site. Complete analytical data and the location coordinates for each station are available in Johnson, 1982.

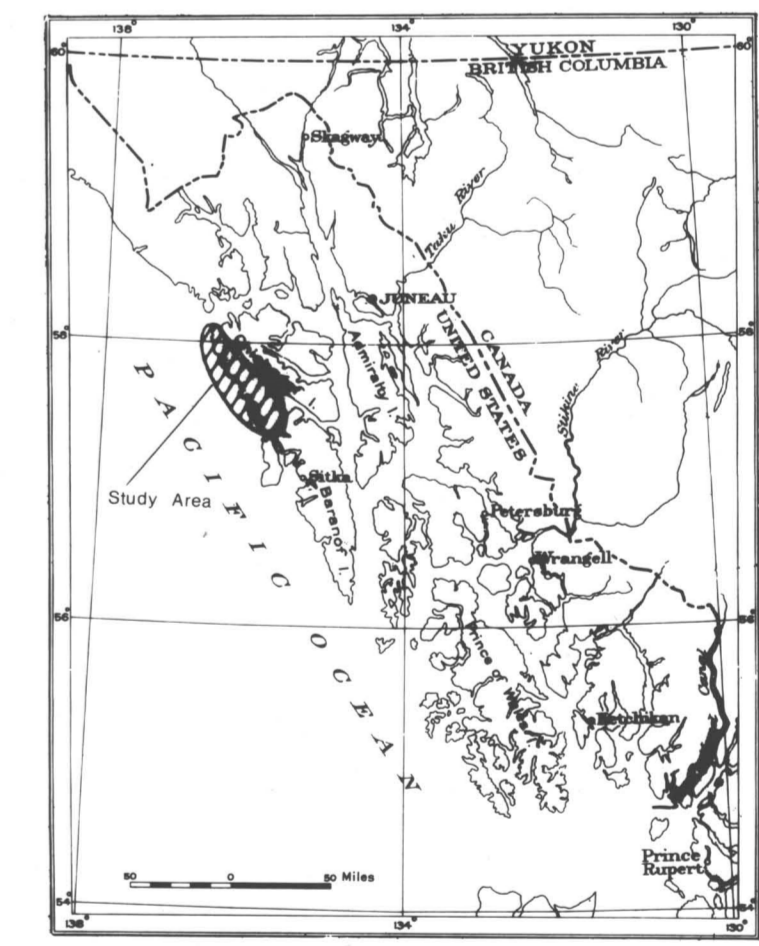
REFERENCES CITED

Orman, R. L., and Hartman, A. P., 1983, Direct-current arc and alternating-current spark emission spectrometric field methods for the geochemical analysis of geological materials: U.S. Geological Survey Circular 981, 9 p.

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MAP SHOWING BEDROCK GEOCHEMICAL STATION LOCATIONS, WESTERN CHICHAGOF AND YAKOBI ISLANDS WILDERNESS STUDY AREA, SOUTHEASTERN ALASKA

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This map is preliminary and has not been reviewed for accuracy by the U.S. Geological Survey. The Department of the Interior and the U.S. Geological Survey assume no responsibility for any errors or omissions that may appear hereon.