DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT
83-420-X

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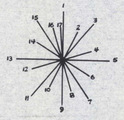
EXPLANATION



Sample site is located at foci

Numbers correspond to minerals on table 1

NOTE

This map is one of a series of geochemical maps concerning the Petersburg area, southeast Alaska. For discussion of sample description, collection methods, media selection, sample preparation, statistical data, and analytical techniques, see Cathrall and others (1983).

REFERENCE

Cathrall, J. B., Day, G. W., Hoffman, J. D., and McDanal, S. K., 1983, A listing and statistical summary of analytical results for pebbles, stream sediments, and heavy-mineral concentrates from stream sediment, Petersburg area, southeast Alaska: U.S. Geological Survey Open-File Report 83-420-A.

Table 1.--Mineralogy in nonmagnetic fraction of heavy-mineral concentrates from 1430 stream sediment samples, Petersburg area, southeast Alaska.

Mineral	Frequency
1. Chalcopyrite	374
2. Arsenopyrite	25
3. Pyrite	46
4. Galena	9
5. Sphalerite	166
6. Cinnabar	2
7. Other sulfide minerals	12
8. Gold	4
9. Barite	271
10. Thorium minerals	23
11. Sphene	49
12. Monazite	32
13. Rare earth minerals	19
14. Powellite	6
15. Scheelite	132
16. Cassiterite	7

MINERALOGICAL MAP SHOWING THE DISTRIBUTION OF SELECTED MINERALS IN NONMAGNETIC FRACTION OF HEAVY-MINERAL CONCENTRATES FROM STREAM SEDIMENTS, PETERSBURG AREA. SOUTHEAST ALASKA

By

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1983

Base from U.S. Geological Survey Petersburg, 1960; Bradfield Canal, 1955; Sumdum, 1961, 1971; Port Alexander, 1951, 1977; Sitka, 1951, 1970

SCALE 1:250,000

CONTOUR INTERVAL 200 FEET IN THE UNITED STATES AND 250 FEET IN CANADA
DATUM IS MEAN SEA LEVEL

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards.