

EXPLANATION

SAMPLE SITES --Letters are explained on table 1.

□ --Heavy-mineral concentrate from stream-sediment sample site

○ --Minus-80-mesh stream-sediment sample site

A --Concentration

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 McDana, 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.

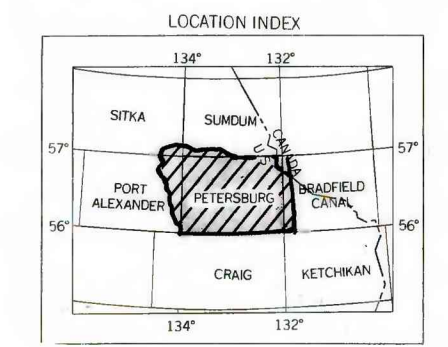
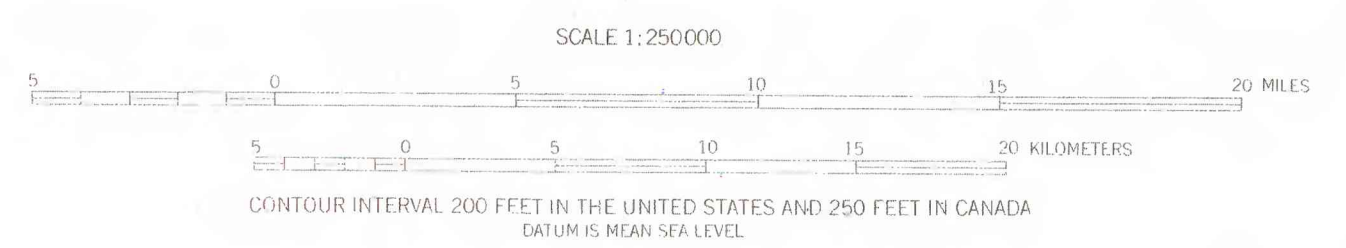
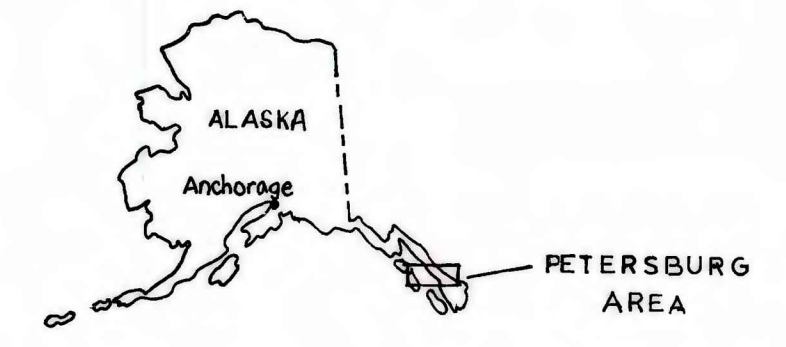
Table 1.--Silver equal to or greater than 1 part per million in 114 nonmagnetic heavy-mineral concentrate samples from stream sediments and equal to or greater than 0.5 parts per million in 24 minus-80-mesh stream-sediment samples, Petersburg area, southeast Alaska.

Heavy mineral concentrate from stream sediment			Stream sediment		
Concentration	Map symbol	Frequency	Concentration	Map symbol	Frequency
500	A	1	20	A	1
300	B	0	15	B	0
200	C	1	10	C	2
150	D	1	7	D	2
100	F	2	5	F	0
70	H	1	3	H	0
50	J	0	2	J	1
30	K	6	1.5	K	0
20	L	3	1	L	4
15	M	12	0.7	M	3
10	N	4	.5	N	12
7	O	23			24
5	P	10			
3	R	3			
2	S	12			
1.5	T	1			
1	U	34			
		114			

DISTRIBUTION AND ABUNDANCE OF DETERMINABLE SILVER BY SPECTROGRAPHIC ANALYSIS IN NONMAGNETIC FRACTION OF HEAVY-MINERAL CONCENTRATES FROM STREAM SEDIMENTS AND IN THE MINUS-80-MESH FRACTION OF STREAM SEDIMENTS, PETERSBURG AREA, SOUTHEAST ALASKA

By
John B. Cathrall, Gordon W. Day, James D. Hoffman,
and Steven K. McDana
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Base from U.S. Geological Survey Petersburg, 1960; Bradfield Canal, 1955; Sundum, 1961, 1971; Port Alexander, 1951, 1977; Sitka, 1951, 1970



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