

STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

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This report is preliminary and has not been edited or reviewed for conformity with Alaska Division of Geological and Geophysical Surveys standards.

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GEOCHEMISTRY OF STREAM SEDIMENT SAMPLES
IN THE SOUTHWESTERN AMBLER RIVER
QUADRANGLE, ALASKA

By G.H. Pessel

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Preliminary Report

GEOCHEMISTRY OF STREAM SEDIMENT SAMPLES IN THE SOUTHWESTERN AMBLER RIVER QUADRANGLE, ALASKA

During 1974, stream sediment samples were collected in the southwestern Ambler River quadrangle for geochemical analysis. The samples were collected by G.H. Pessel and W. Brickley of the Alaska Division of Geological and Geophysical Surveys and J.L. Tailleux, W.P. Brosge, and C. Mayfield of the U.S. Geological Survey. Atomic absorption analyses were performed by the Minerals Analysis Research Laboratory of the Division of Geological and Geophysical Surveys. Emission spectrographic analyses were performed by the Branch of Exploration Research of the U.S. Geological Survey.

Stream sediment samples were taken to include the finer fractions of sand and silt in the active parts of the streams and small tributaries. Every effort was made to take samples from areas where results would not be obscured by the presence of large amounts of glacially derived material, which is common throughout much of the area. Organic material was excluded where possible.

Print out of the results was done through the RASS (Rock Analysis Storage System) data system of the U.S. Geological Survey.

Preparation of the maps and data sheets for publication was done by Karen Clautice and Joanne Welch of the Alaska Division of Geological and Geophysical Surveys.

ALASKA

Area of report

Geographical Division
Alaska Division
Juneau, Alaska

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