

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.

Alaska Open File Report 88

GEOCHEMISTRY OF STREAM SEDIMENT SAMPLES  
IN THE SOUTHEASTERN BAIRD MOUNTAINS  
QUADRANGLE, ALASKA

By G.H. Pessel

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Area of report

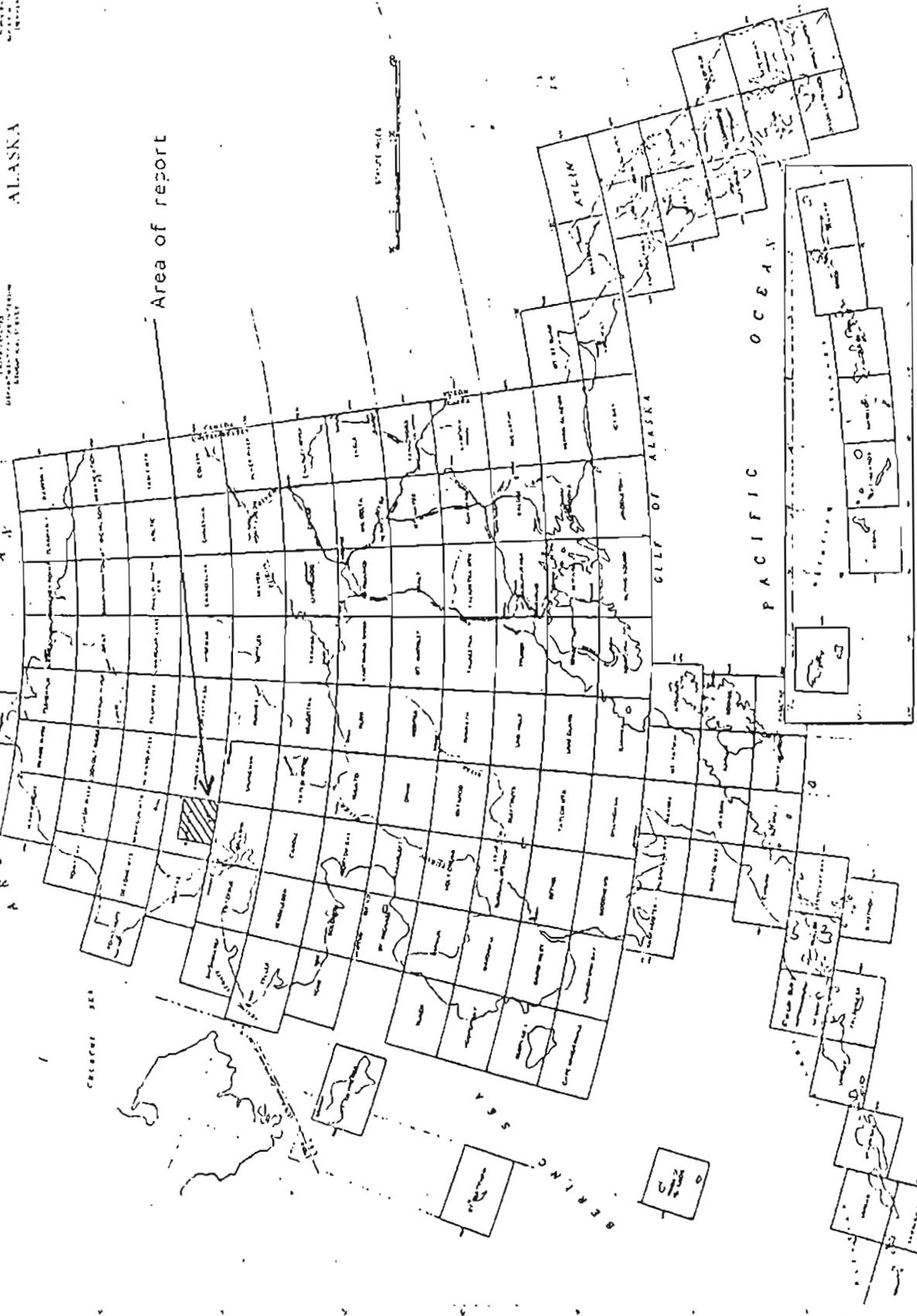
ARCTIC OCEAN

GULF OF ALASKA

PACIFIC OCEAN

CHUKCHI SEA

BERING SEA



## Preliminary Report

### GEOCHEMISTRY OF STREAM SEDIMENT SAMPLES IN THE SOUTHEASTERN BAIRD MOUNTAINS QUADRANGLE, ALASKA

During 1974, stream sediment samples were collected in the southeastern Baird Mountains quadrangle for geochemical analysis. The samples were collected by G.R. Pessel and W. Brickley of the Alaska Division of Geological and Geophysical Surveys and I.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 the 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.