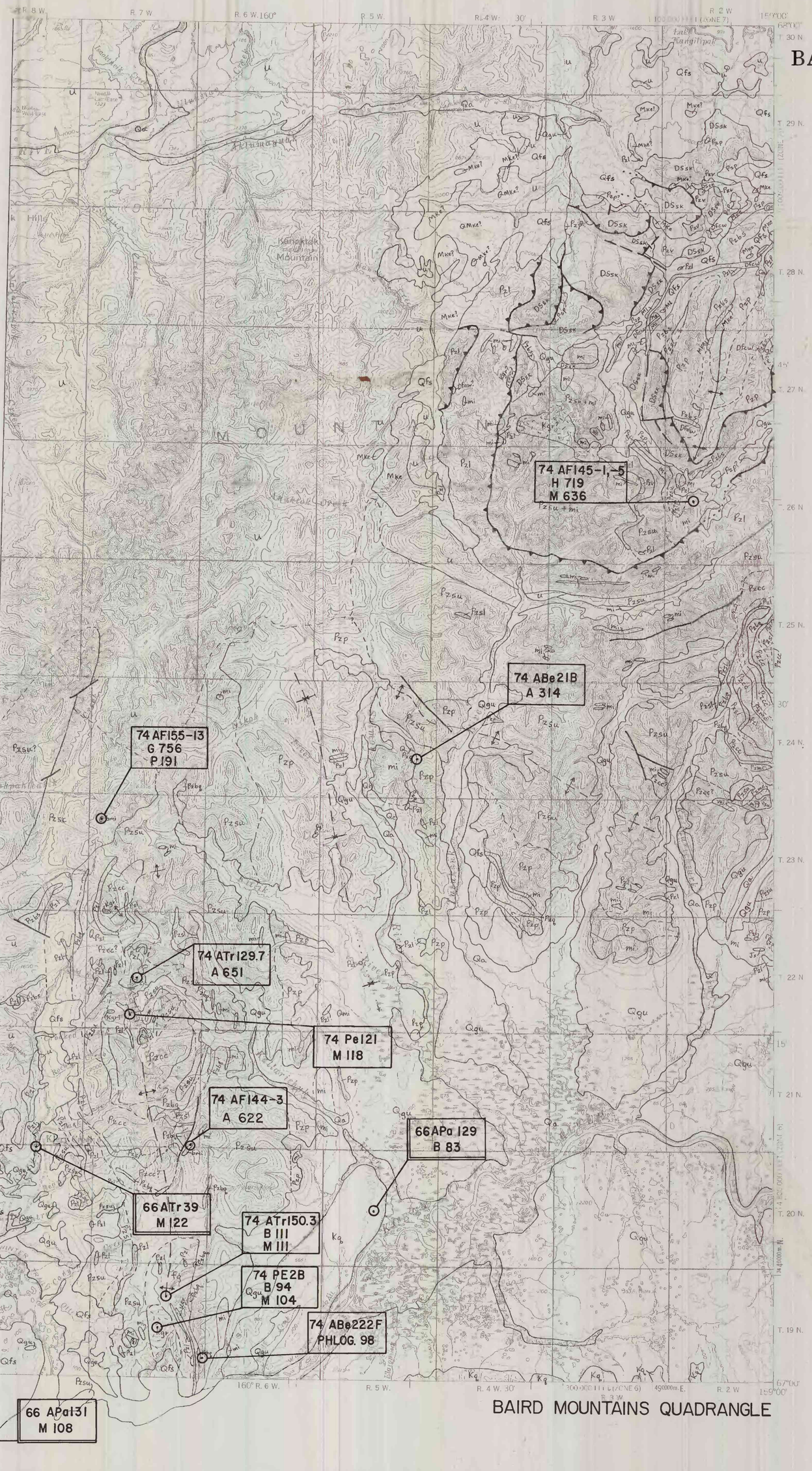
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH STATE OF ALASKA, DEPARTMENT OF NATURAL RESOURCES, DIVISION OF GEOLOGICAL AND GEOPHYSICAL SURVEYS

U.S. GEOLOGICAL SURVEY
OPEN FILE REPORT
OF 78-254

PLATE 1

BAIRD MOUNTAINS QUADRANGLE



EXPLANATION

74 ATr129.7 / A 651 — Field Number — Mineral, K–Ar apparent age (m.y.)
Min – minimum age
M – muscovite
B – biotite
P – paragonite
A – actinolite
H – hornblende
Phlog – phlogopite
G – glaucophane
T – tremolite

Approximate location

Apparent ages preceded by asterisks have been increased by inherited argon

U.S.G.S. Data

Most rock symbols used are the same as those for the Ambler River quadrangle, U.S. Geological Survey Open File Map, OF 77-28, by G.H. Pessel and W.P. Brosgé, 1977. Lithologies that are only differentiated in the Baird Mountains quadrangle are listed below.

Pzq	Quartzite
Pzv	Dacitic and rhyolitic volcanic rocks, probably Carboniferous in age.
fg	Felsic gneiss, quartz–albite–muscovite–garnet gneiss, may be igneous in origin; age unknown
u	Undifferentiated and unmapped rocks

BASE BY U.S. GEOLOGICAL SURVEY 1956

SCALE 1:250 000

5 0 5 10 15 MILES

5 0 5 10 15 KILOMETERS

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.

K–Ar GEOCHRONOLOGY OF THE SURVEY PASS, AMBLER RIVER AND EASTERN BAIRD MOUNTAINS QUADRANGLES, SOUTHWESTERN BROOKS RANGE, ALASKA

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GEOLOGIC BASE BY C.F. MAYFIELD, W.P. BROSGÉ, G.H. PESSEL, AND I.L. TAILLEUR

1978