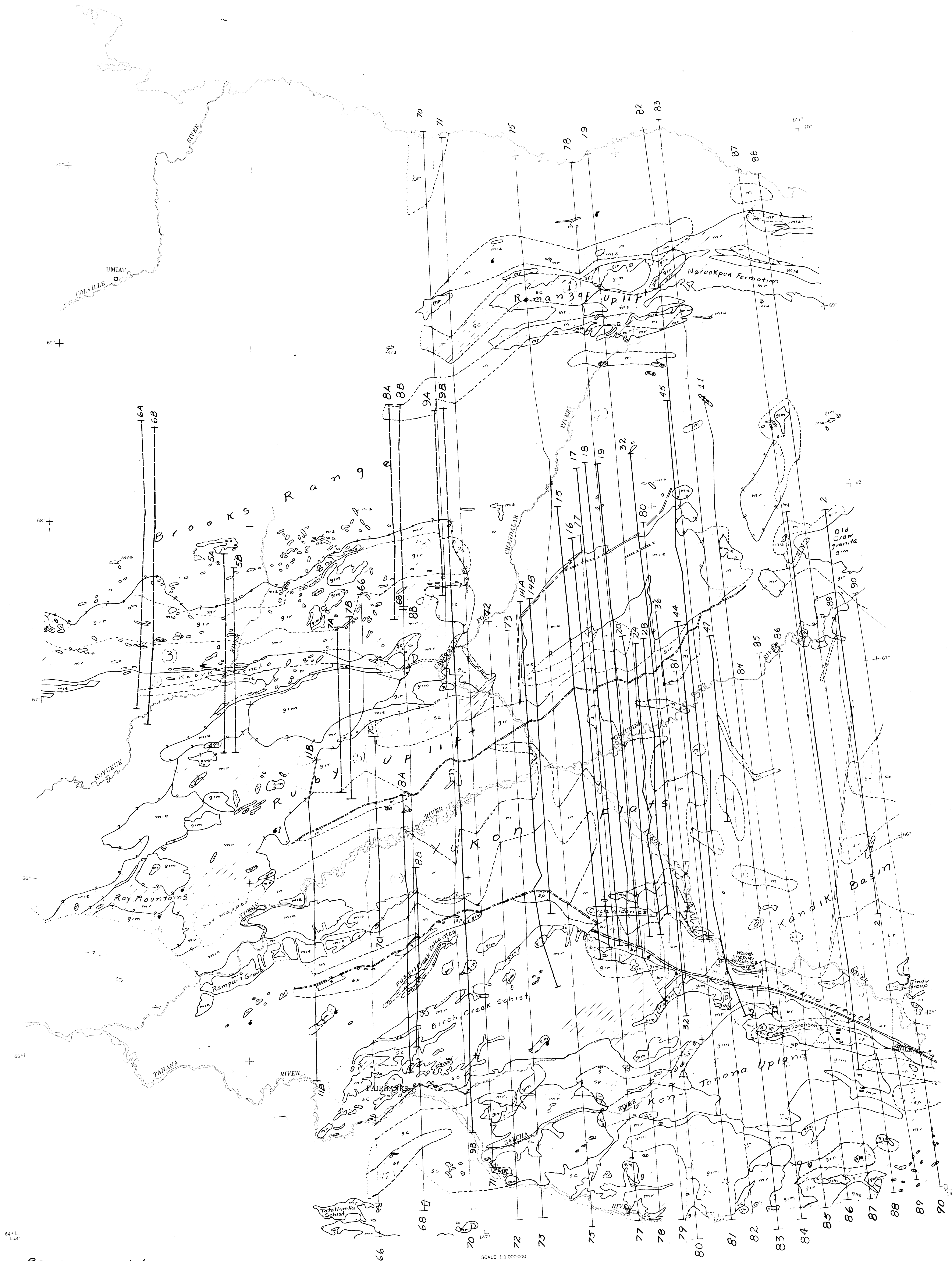


PROPERTY OF DCGS LIBRARY

EXPLANATION

- blank**  
Exposed sedimentary rocks and surficial deposits; no concealed crystalline rocks inferred from magnetic data. In Yukon-Tanana upland includes Tanaite flows, and may include some meta-morphic rocks. Precambrian to Recent in age.
- gim**  
Exposed crystalline rocks  
Granitic intrusive rocks and migmatite.
- gir**  
Concealed crystalline rocks inferred from magnetic data  
Granitic intrusive rocks.
- miv**  
Mafic intrusive and extrusive rocks; greenschist facies within areas of schists includes basalts in the Tindir Group, Pass Creek, Woodchopper and Circle Volcanics, and Rampart Group.
- mW**  
Mafic intrusive and extrusive rocks. N, negatively magnetic dikes.
- s**  
Serpentine Paleozoic(?) in age.
- sp**  
Area of serpentine pods in schist and sedimentary rocks.
- mr**  
Metamorphic rocks  
Includes Birch Creek and Totankia Schists; Kluwukout formation and unnamed schists in southern Brooks Range includes phyllite and greenschist in marginal facies Paleozoic and Precambrian(?) in age.
- sc**  
Schist  
Basement rocks of Precambrian(?) age or deep intrusive rocks.
- br**  
Basement rocks of Precambrian(?) age or deep intrusive rocks.
- Geologic contact queried where doubtful
- Metamorphic facies boundary
- Fault inferred from surface data
- Hot spring queried where uncertain
- Boundary of magnetic rock unit
- Fault inferred from magnetic data
- scratch boundary  
Limit of geologic patterns
- Line of airborne magnetometer traverse
- 82 Elevation 5000 feet above sea level where possible  
15 Elevation 2500 feet above sea level where possible  
6A Elevation 1000 feet above sea level where possible  
Dashed where approximately located



Base map compiled by U.S. Geological Survey from uncontrolled mosaic of Alaska Topographic Series quadrangle maps.

Figure 1 Geologic map of northeastern Alaska interpreted from geologic and aeromagnetic data  
W.P. Brosge, E.E. Brabb and E.R. King

Geology compiled from:  
Mandanhall, 1902  
Madden, 1913  
Eakin, 1916  
Martie, 1937  
White, 1952  
Brosgé and Reiser, 1960, 1962, and unpublished  
Foster and Schmoll, 1963  
Williams, 1963  
Brabb and Chukrum, 1964, 1965  
Weber and others, 1967  
Lathram, 1965  
Péwé, Wahrhaftig and Weber, 1966

MAP IS PRELIMINARY AND SHOULD BE USED ONLY FOR GENERAL INFORMATION. IT IS NOT TO BE USED FOR ENGINEERING OR CONSTRUCTION PURPOSES.

(5) Location of magnetic rock feature