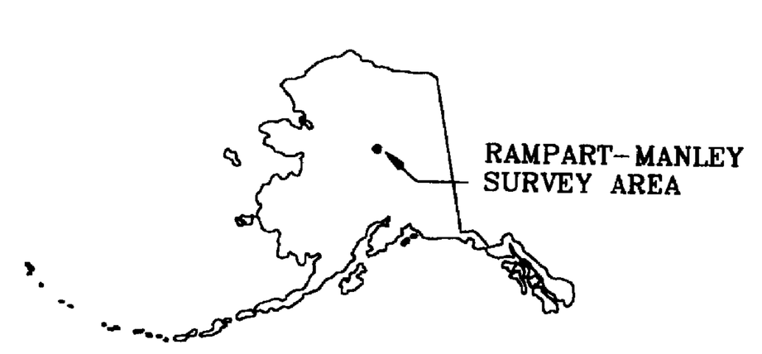
ALASKA DIVISION OF GEOLOGICAL &
GEOPHYSICAL SURVEYS

REPORT OF INVESTIGATIONS 97-10
SHEET 2 OF 2

Section outlines from U.S. Geological Survey topographic bases: Kantishna River D-1, D-2, D-3 (1952); Livengood A-6 (1953); B-5, B-6, C-5, C-6 (1956); Tanana A-1, A-2, A-3 (1952); B-1, B-2, B-3, C-1 (1956) Quadrangles, Alaska.

SURVEY HISTORY

This map has been compiled and drawn under contract between the State of Alaska, Department of Natural Resources, Division of Geological & Geophysical Surveys, and WGM, Mining and Geological Consultants, Inc. Airborne geophysical data for the area was acquired by DIGHEM, a division of CGG Canada Ltd., in 1995 and 1996. Other products from this survey are available from the Alaska Division of Geological & Geophysical Surveys, 794 University Ave., Suite 200, Fairbanks, Alaska, 99709. Phone: (907) 451-5020. FAX: (907) 451-5050.



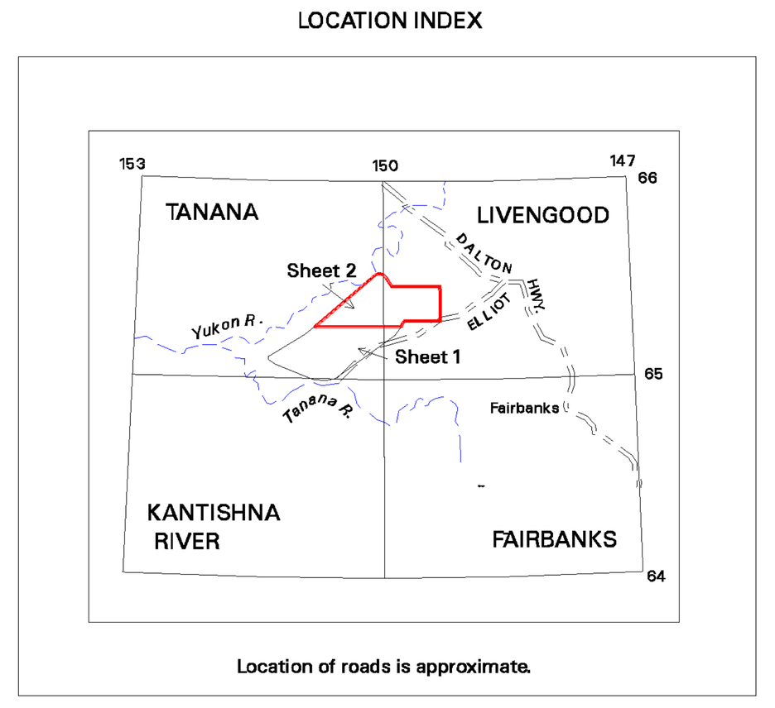
1952 magnetic declination varies along the south side of the map from approximately 27 to 28 1/2 degrees east.

SCALE 1:63 360

EXTENDED COVERAGE OF THE TOTAL FIELD MAGNETICS OF THE RAMPART - MANLEY MINING DISTRICT, ALASKA

1997

LOCATION INDEX



Location of roads is approximate.

TOTAL FIELD MAGNETICS

The total field magnetic data were acquired with a sampling interval of 0.1 seconds. The magnetic data were (1) corrected for diurnal variations by subtraction of the digitally recorded base station magnetic data, (2) leveled to the tie line data, and (3) interpolated onto a regular 100 m grid using a modified Akima (1970) technique. The regional variation (or IGRF gradient, 1985, updated to October 1996) was removed from the leveled magnetic data.

Akima, H., 1970, A new method of interpolation and smooth curve fitting based on local procedures: Journal of the Association of Computing Machinery, v. 17, no. 4, p. 589-602.