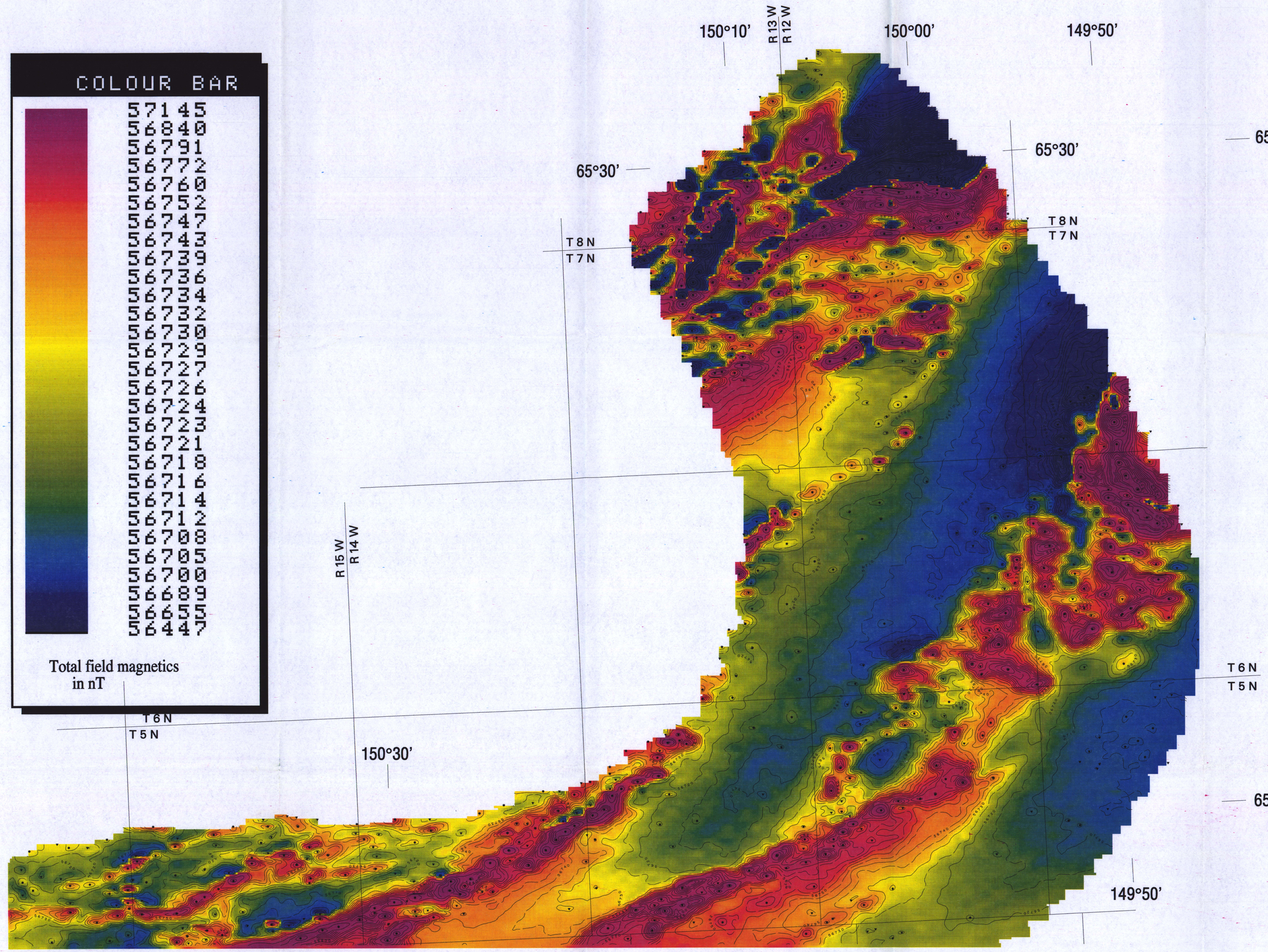
ALASKA DIVISION OF GEOLOGICAL & GEOPHYSICAL SURVEYS

REPORT OF INVESTIGATIONS 96-2
SHEET 2 OF 2



TOTAL FIELD MAGNETICS

The magnetic total field contours were produced using digitally recorded data from a Scintrex cesium CS2 magnetometer, 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, 1985 updated to October 1995) 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. 589-802.

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. 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.

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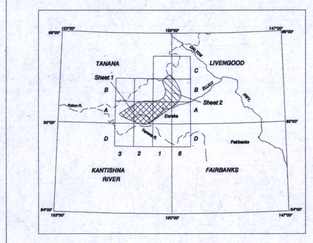
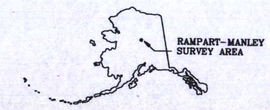
LOCATION INDEX





Department of Natural Resources
Division of Geological and Geophysical Surveys
Geologic Data Modeling System

Section outlines from U.S. Geological Survey topographic bases: Livengood A-6, 1953; B-6, C-6, 1956; Tanana A-1, 1952; B-1, C-1, 1956; Quadrangles, Alaska

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

IGRF REMOVED

1996

SCALE 1:63 360

1 0 1 2 3 4 MILES
5000 0 5000 10000 15000 20000 25000 FEET
1 0 1 2 3 4 KILOMETERS

March 04, 1996

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