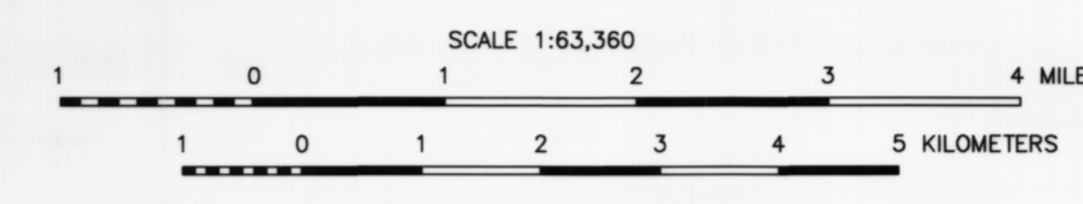


Section outline from U.S. Geological Survey Pathebook D-6, 1962; Unrevised A-4, 1965; D-4, C-4, 1966; Pathebook D-1, 1968; Pathebook A-1, 1968; D-1, C-1, 1968; Quadrangle Alaska

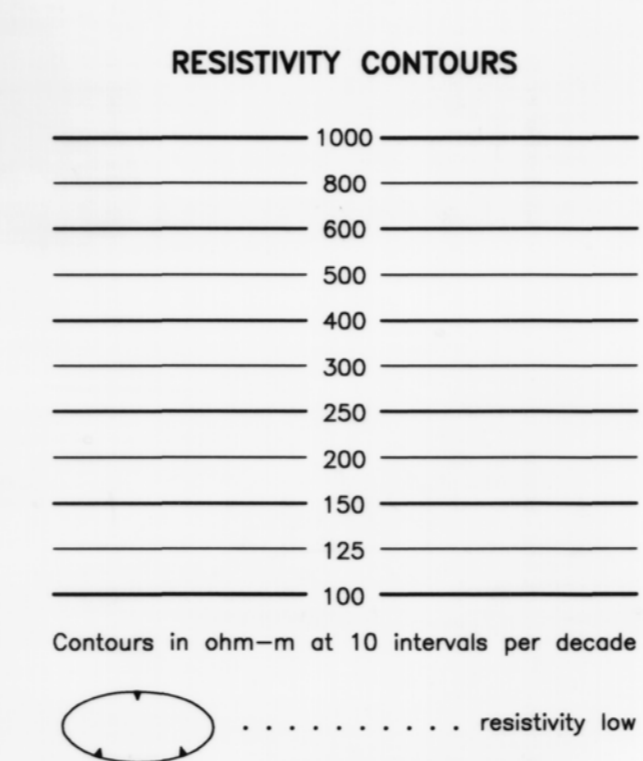


77.0°  
APPROXIMATE MEAN  
EQUINOXIAL, 1982

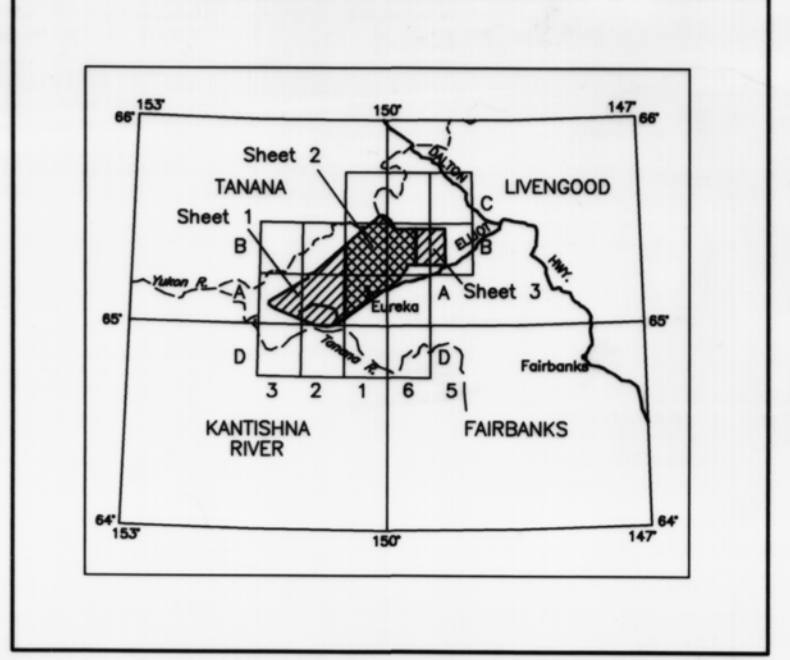
**DESCRIPTIVE NOTES**  
The geophysical data were acquired with a DIGHEM<sup>®</sup> Electromagnetic (EM) system, a Scintrex cesium CS2 magnetometer, and a Herz VLF system installed in an AS350B-1 Squirrel helicopter. In addition, the survey recorded data from a radar altimeter, GPS navigation system, 50/60 Hz monitors and video camera. Flights were performed at a mean terrain clearance of 200 feet along survey flight lines with a spacing of a quarter of a mile. The lines were flown perpendicular to the flight lines at intervals of approximately 3 miles.  
A Seracel Real-Time Differential Global Positioning System (RT-DGPS) was used for both navigation and flight path recovery. The helicopter position was derived every 0.5 seconds using real-time differential positioning to a relative accuracy of better than 10 m. Flight path positions were projected onto the Clark 1886 (UTM) spheroid, 1927 North American datum using a central meridian (CM) of 153°, a north constant of 0 and an east constant of 500,000. Positional accuracy of the presented data is better than 10 m with respect to the UTM grid.

## EXTENDED COVERAGE OF THE 900 HZ COPLANAR RESISTIVITY, RAMPART-MANLEY MINING DISTRICT, ALASKA

1997



**LOCATION INDEX**



**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 Inc., Mining and Geological Consultants. Airborne geophysical data for the area were acquired by DIGHEM, a division of CGG Canada Ltd., in 1996. Other products from this survey are available from the Alaska Division of Geological & Geophysical Surveys, 734 University Ave., Suite 200, Fairbanks, Alaska, 99709.

Almeida, 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. 588-592.