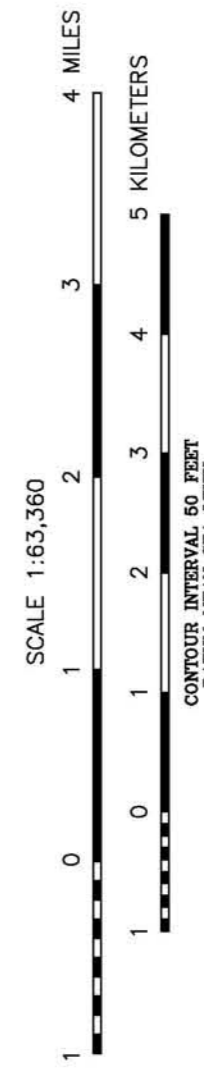


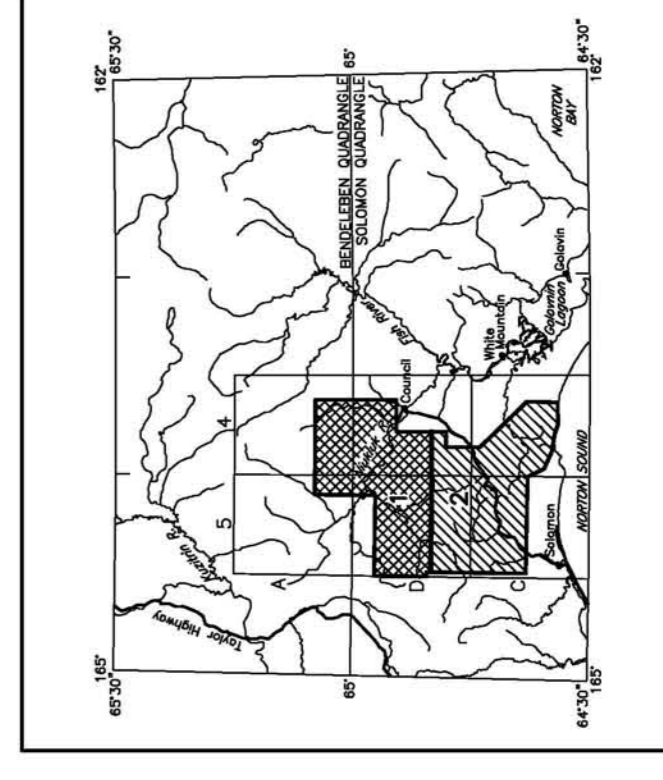
Data from U.S. Geological Survey, Miscellaneous A-4, 1965, A-5, 1965;
Bismann B-4, 1973, B-5, 1975; Fairbanks, Alaska



COUNCIL AREA



LOCATION INDEX



TOTAL MAGNETIC FIELD OF THE COUNCIL AREA, SEWARD PENINSULA, ALASKA PARTS OF BENDELEBEN AND SOLOMON QUADRANGLES 2003

DESCRIPTIVE NOTES

The geophysical data were acquired with a DIGHEM V Electromagnetic (EM) system and a Scintrex cesium magnetometer. Both were flown at a height of 100 meters. The system used a Scintrex 1000 Hz radar altimeter, GPS navigation system, 50/60 Hz meters and video camera. Flights were performed with a clearance of 200 feet along North-South survey flight lines with a spacing of a quarter of flight lines at intervals of approximately 3 miles. An Ashtech G24 NAVSTAR / GONASS Global Positioning System was used for navigation. The helicopter position was derived every 0.5 seconds with a relative accuracy of better than 5 m. Flight path positions were projected onto the Clarke 1866 datum using a central meridian (CM) of 165°, a north constant of 0 and an east constant of 500,000. The datum used for this survey is better than 10 m with respect to the UTM grid.

TOTAL MAGNETIC FIELD

The total magnetic field data were acquired with a sampling interval of one second and were the digitally recorded base station magnetic data, (2) leveled to the line data, and (3) interpolated to a 100 m grid using the (1970) technique. The regional variation (or IGRF gradient, 2000, updated to August 2002) was removed from the leveled magnetic data.

Approved by the Alaska Geological Survey Association
Printing based on local procedures: Journal of the Association of Computing Machinery, v. 17, no. 4, p. 589-602.

SURVEY HISTORY

This map has been compiled and drawn under contract between the State of Alaska, Department of Natural Resources, Division of Geological and Geophysical Surveys (DGGS), and Stevens Exploration Management Corp. Airborne geophysical data for the area were acquired by the Stevens Exploration Management Corp. in 2002. Laurel Burns was the contract manager for DGGS.

This map and other products from this survey are available from the Alaska Geological Survey, 794 University Ave., Suite 200, Fairbanks, Alaska, 99703.