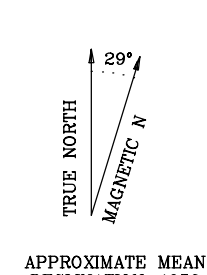
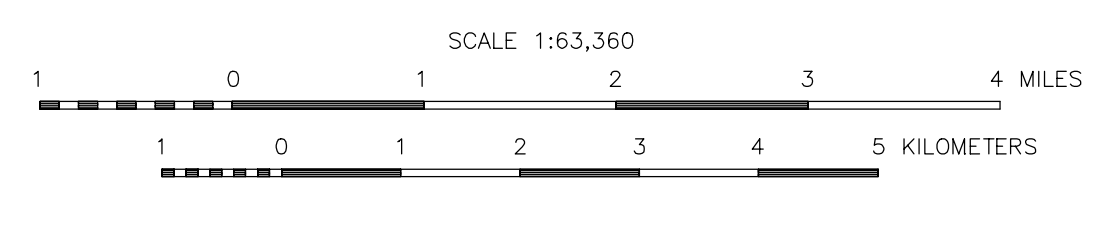
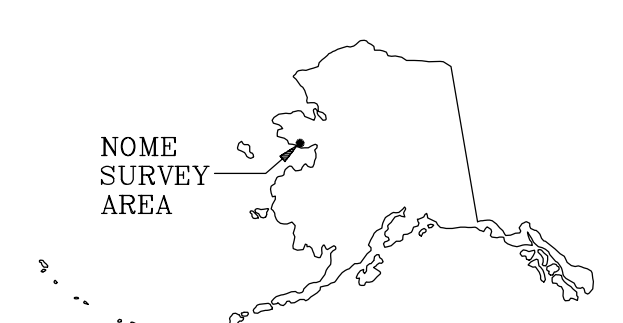
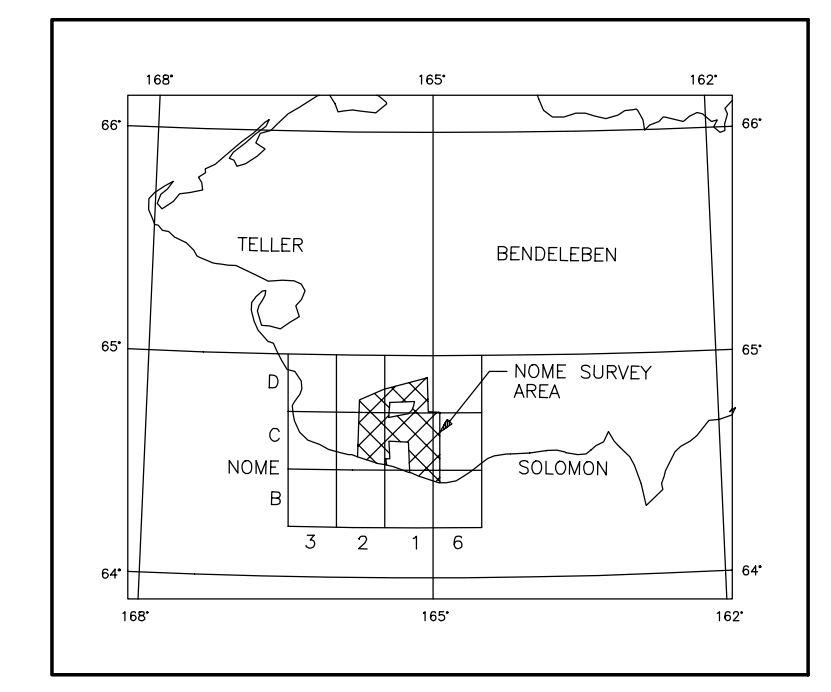


Section outlines from U.S. Geological Survey topographic base
 Name: NAD 83, Zone 18N, Datum: NAD 83, Spheroid: GRS80, Datum: NAD 83



LOCATION INDEX



SURVEY HISTORY

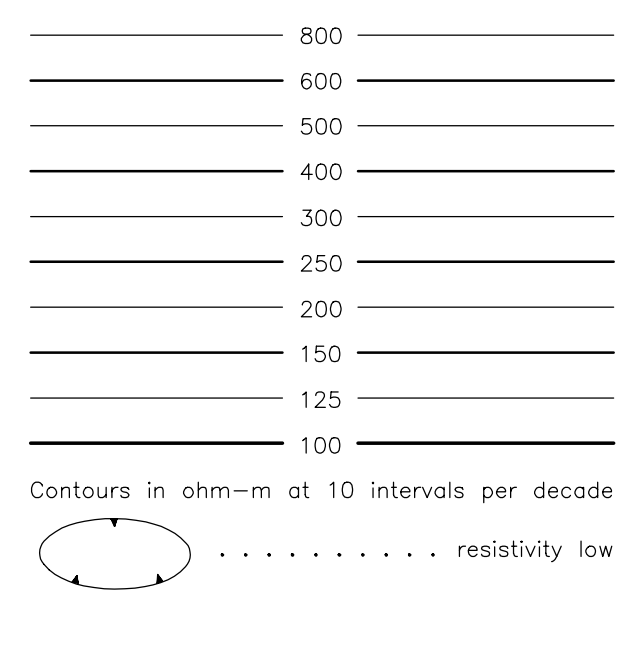
The map has been compiled and drawn under contract between the State of Alaska, Department of Natural Resources, Division of Geological & Geophysical Surveys, and Stevens Exploration Management Corp. The map was produced by Fugro Airborne Surveys and supersedes the earlier full color version released by DGS in 1994. Airborne geophysical data for area 3 were acquired and processed in 1993 under contract between DGS and WGM, Mining and Geological Consultants, Inc. The data for areas 1 and 2 were provided by Bering Straits Native Corporation. The subcontractor acquiring and processing the data was DIGHEM, a division of GDC Canada Ltd. Other products from this survey are available from DGS, 3354 College Road, Fairbanks, Alaska, 99709-3707.

DESCRIPTIVE NOTES

The geophysical data were acquired with a DIGHEMTM Electromagnetic (EM) system, a Schlumberger cesium 532 magnetometer, and a Herz VLF system installed in an AC500S-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 three miles.

A Sercei 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 both real-time and post-processing differential positioning to a relative accuracy of better than 10 m. Flight path positions were projected onto the Clarke 1866 (UTM) spheroid, 1927 North American datum using a Central Meridian (CM) of 166° 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.

RESISTIVITY CONTOURS



900 Hz COPLANAR APPARENT RESISTIVITY OF THE NOME MINING DISTRICT, SEWARD PENINSULA, ALASKA PARTS OF NOME AND SOLOMON QUADRANGLES

by
 Laurel E. Burns, Fugro Airborne Surveys Corp., and Stevens Exploration Management Corp.
 2004

