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85°05' 85°00'

SALCHA RIVER -
POGO AREA

RADIOMETRICS

DESCRIPTIVE NOTES
The geophysical data were acquired with a DIGHEM® Electromagnetic (EM) system, Exploranium GR-820 gamma-ray spectrometer and a Scintrex cesium map. The EM system was flown at a height of 100 feet. The gamma-ray spectrometer was flown at a height of 100 feet. The radiometer data were recorded from a radar altimeter, GPS navigation system, 50/60 Hz monitor and aodes camera. Flights were made with an AS350B3 helicopter at a mean terrain clearance of 200 feet along NW-SE (340°) survey flight lines. The lines were flown perpendicular to the flight lines at intervals of approximately 3 miles. Line widths were flown perpendicular to the flight lines at intervals of approximately 3 miles.

An Ashtech GG24 NAVSTAR Global Positioning System (GPS) receiver was used to determine the helicopter position was derived every 0.5 seconds using post-flight positioning to a resolution of 10 meters. Map coordinates were projected onto the Clarke 1866 (UTM zone 5) grid (92° North American datum) using 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.

POTASSIUM (K%) OF THE SALCHA RIVER - POGO MINING AREA, CENTRAL ALASKA

BIG DELTA QUADRANGLE

2000

TRUE NORTH
SOUTH
EAST
WEST
APPROXIMATE MEAN DECLINATION, 1999

5.00 %
1.00 %
0.20 %
0.04 %
-0.04 %
-0.08 %

CONTOUR INTERVAL
This map has been compiled onto a grid under contract between the State of Alaska, Department of Natural Resources, Division of Geological & Geophysical Surveys (DGG) and CGG Canada Ltd., division of CGG Inc. Airborne geophysical data for the area were acquired by Geotek-Dighem, a division of CGG Canada Ltd. in 1999. This map was prepared by GDS, Inc. for DGG. This map and other products from this survey are available by mail order or in person from DGS, 794 University Ave., Suite 200, Fairbanks, Alaska, 99709.

SURVEY HISTORY
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LOCATION INDEX
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