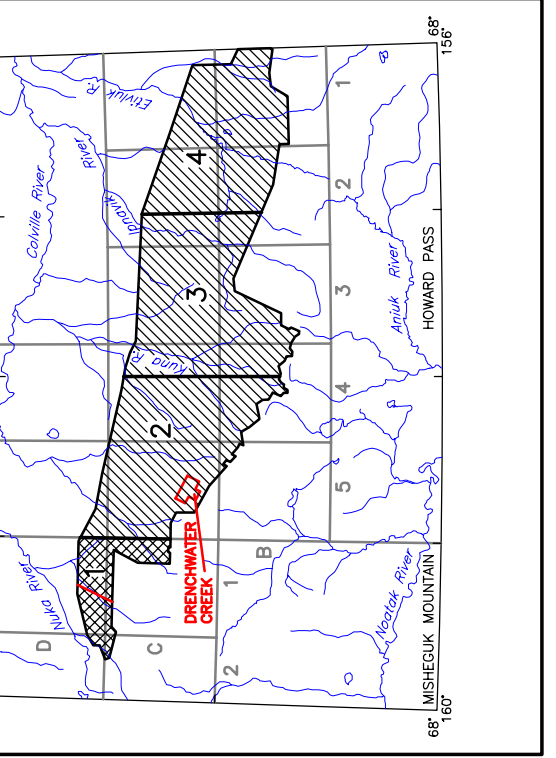
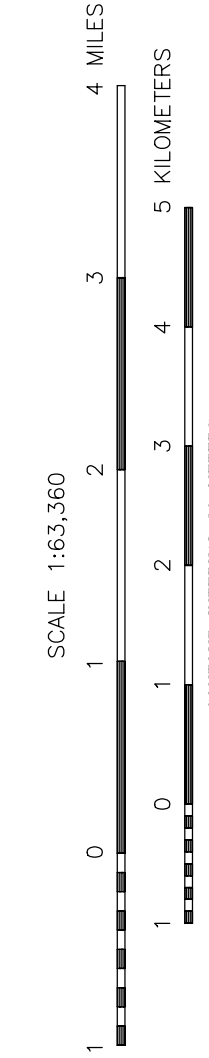




**7200 Hz COPLANAR APPARENT RESISTIVITY
OF PARTS OF
SOUTHERN NATIONAL PETROLEUM RESERVE - ALASKA,
NORTHWEST ALASKA**

PARTS OF HOWARD PASS AND MISHEGUK MOUNTAIN QUADRANGLES

by
Laurel E. Burns, U.S. Bureau of Land Management, Fugro Airborne Surveys Corp., and Stevens Exploration Management Corp.
2006

RESISTIVITY

The DIGHEM[®] EM system measured in-phase and quadrature components at five frequencies. Two vertical coaxial coil-pairs operated at 1000 and 5000 Hz while three horizontal coplanar coil-pairs operated at 900, 7200 and 56,000 Hz. EM data were sampled at 0.1 second intervals. The EM system responds to bedrock conductors, conductive overburden and cultural sources. Apparent resistivity is calculated from the EM data and is displayed on a computer model. The data were interpolated onto a regular 80 m grid using a mosaic Akima (1970) technique.

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 the U.S. Geological Survey (USGS). The USGS geophysical data for the area were acquired in 2005 and processed by Fugro Airborne Surveys Corp. in 2005. The map was compiled by the Alaska Department of the Interior, Bureau of Land Management (BLM). This map and other products from this survey are available by mail order or personal visit. The data are available for viewing or downloading on the BLM website (<http://www.blm.gov>). The Adobe Acrobat files (*.pdf) on our Web site (<http://www.dggs.state.ak.us/pubs/>). Some of the data are available on CD-ROM (<http://www.blm.gov>). BLM Alaska State Office, 222 W. 7th Avenue, Anchorage, AK 99513.