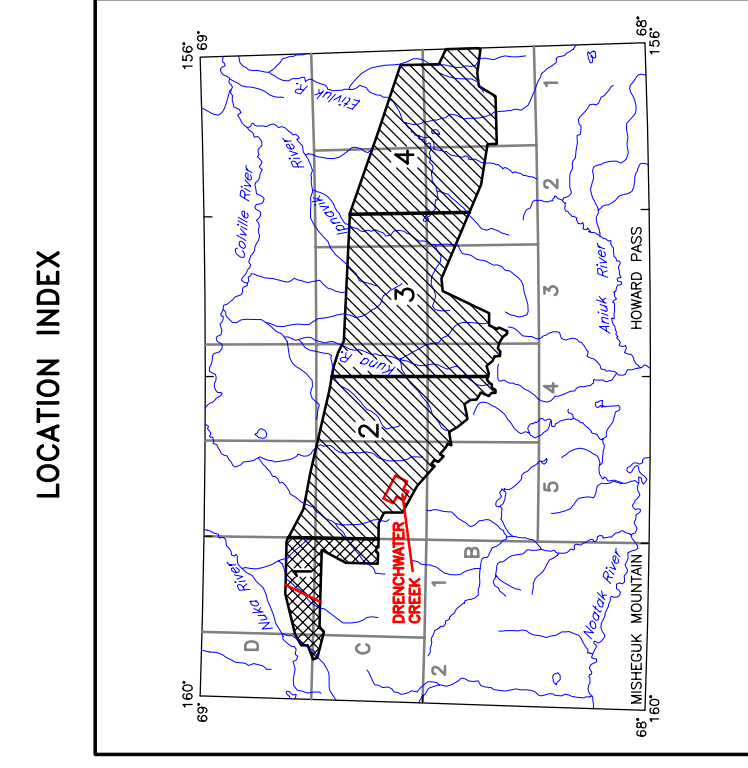
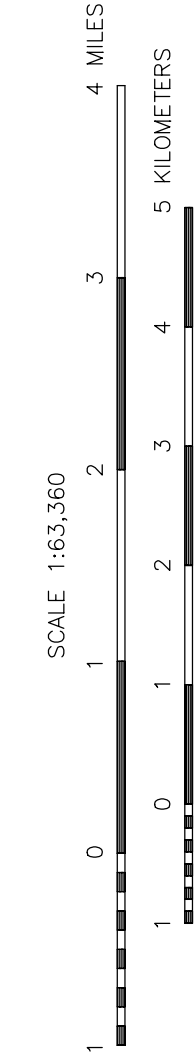




PARTS OF HOWARD PASS AND MISHEGUK MOUNTAIN QUADRANGLES

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

RESISTIVITY

The DIGHEW[®] EM system measured inphase and quadrature components at five frequencies. Two vertical coaxial coil-pairs operated at 1000 and 5000 Hz, while three horizontal coil-pairs operated at 100, 1000, and 55,000 Hz. EM data were sampled at 0.1 second intervals. The EM system responds to bedrock conductors, overburden, and cultural sources. Apparent resistivity is generated from the inphase and quadrature component of the coil pair 900 Hz using the pseudo- γ half space equation. The coil pair 900 Hz is spaced 80 m apart. The coil pair 1000 Hz is spaced 80 m apart. The grid using a modified Akima (1970) technique.

Akima, H., 1970. A new method of interpolation and smooth curve fitting. *Computing Machinery*, v. 17, no. 4, p.489-492.

DESCRIPTIVE NOTES

[illegible]