Management (BLM), Ketchikan Gateway Borough, Sealaska Corporation, Alaska State Mental Health Trust Land

Office, and the cities of Thorne Bay and Coffman Cove. The data for areas 1, 2 and 3 were flown by Dighem in 1991 and 1992. These data were provided for publication

This map and other products from this survey are available by mail order, or in person, from DGGS, 794 University Ave.,

Suite 200, Fairbanks, Alaska, 99709. Some products are

also available, in person only, at the BLM's Juneau Minerals Information Center, Mayflower Island, Douglas, AK.

by Sealaska Corporation.

213 and 164 feet, respectively. In addition the survey recorded data from a radar altimeter, UHF navigation system, 50/60 Hz monitors, VLF receiver and video

camera. The east—west flight lines were flown one—eighth mile apart with tie lines flown perpendicular to the flight lines. The survey was flown with an AS350B—1 helicopter.

A Del Norte UHF electronic positioning system was

used for navigation. Flight path recovery was done with a combination of UHF data and visual

recovery. Positional accuracy of the 1992 data should

be considered of low reliability.

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 generated from the inphase and quadrature component of the coplanar 56,000 Hz using the pseudo-layer half space

model. The data were interpolated onto a regular 100 m

Akima, H.,1970, A new method of interpolation and smooth curve fitting based on local procedures: Journal of the Association of Computing Machinery, v. 17, no. 4, p. 589—602.

grid using a modified Akima (1970) technique.

Contours in ohm-m at 10 intervals per decade

. resistivity low