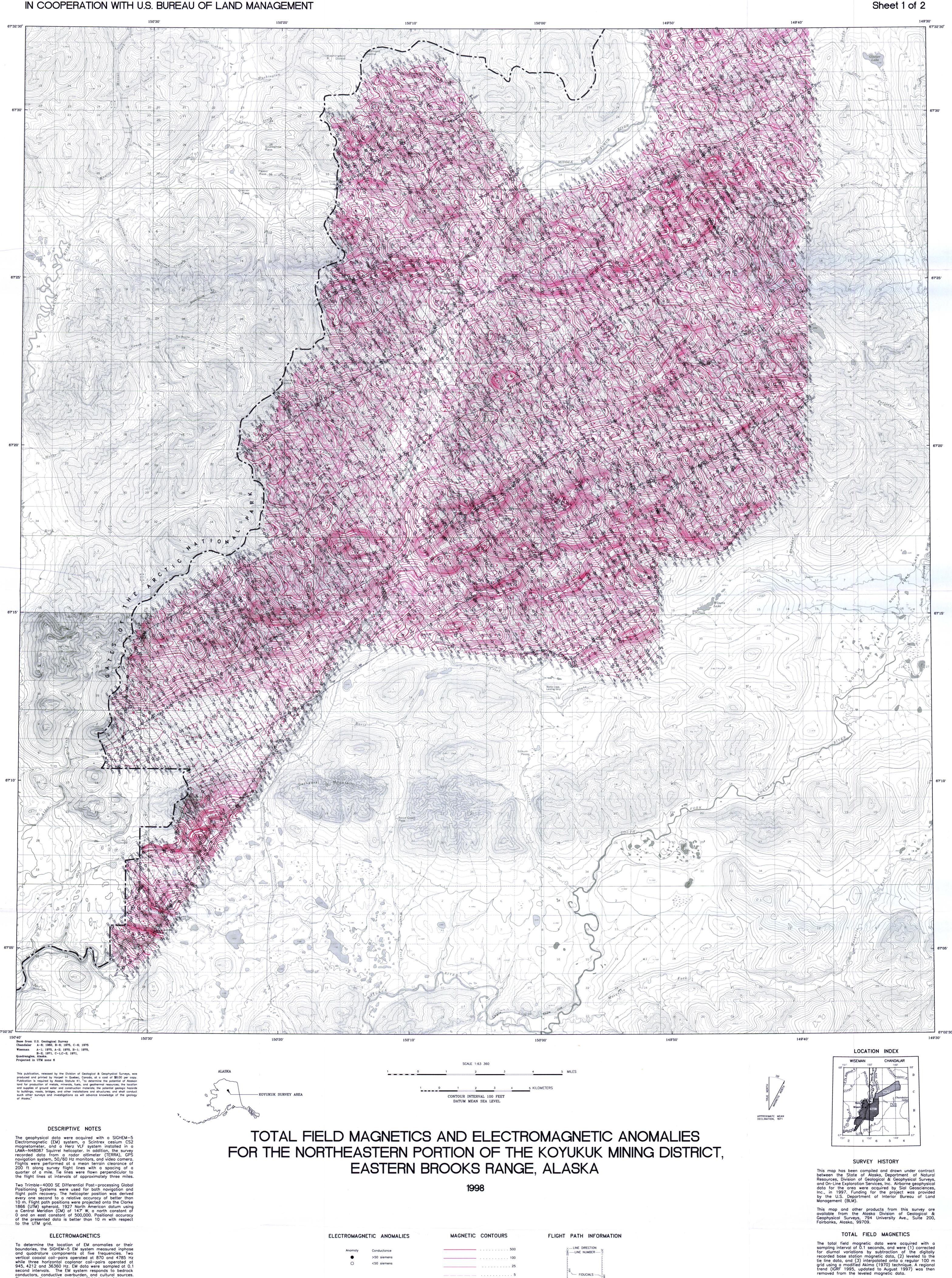
To determine the location of EM anomalies or their boundaries, the SIGHEM-5 EM system measured inphase and quadrature components at five frequencies. Two

vertical coaxial coil—pairs operated at 870 and 4785 Hz while three horizontal coplanar coil—pairs operated at

945, 4212 and 36360 Hz. EM data were sampled at 0.1 second intervals. The EM system responds to bedrock

conductors, conductive overburden, and cultural sources. The power line monitor and the flight track video were

examined to locate the cultural sources. The EM anomalies that are indicated are classified by conductance.



Conductance

-LINE NUMBER-

FIDUCIALS ___

-LINE NUMBER-

LINE DIRECTION -

H magnetic [°]high

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.