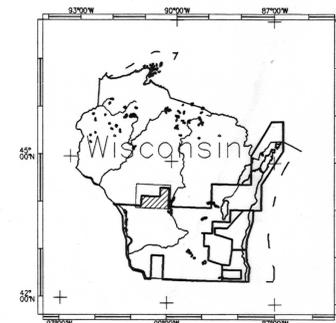
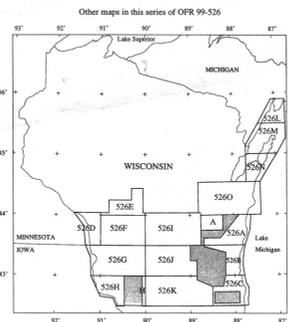
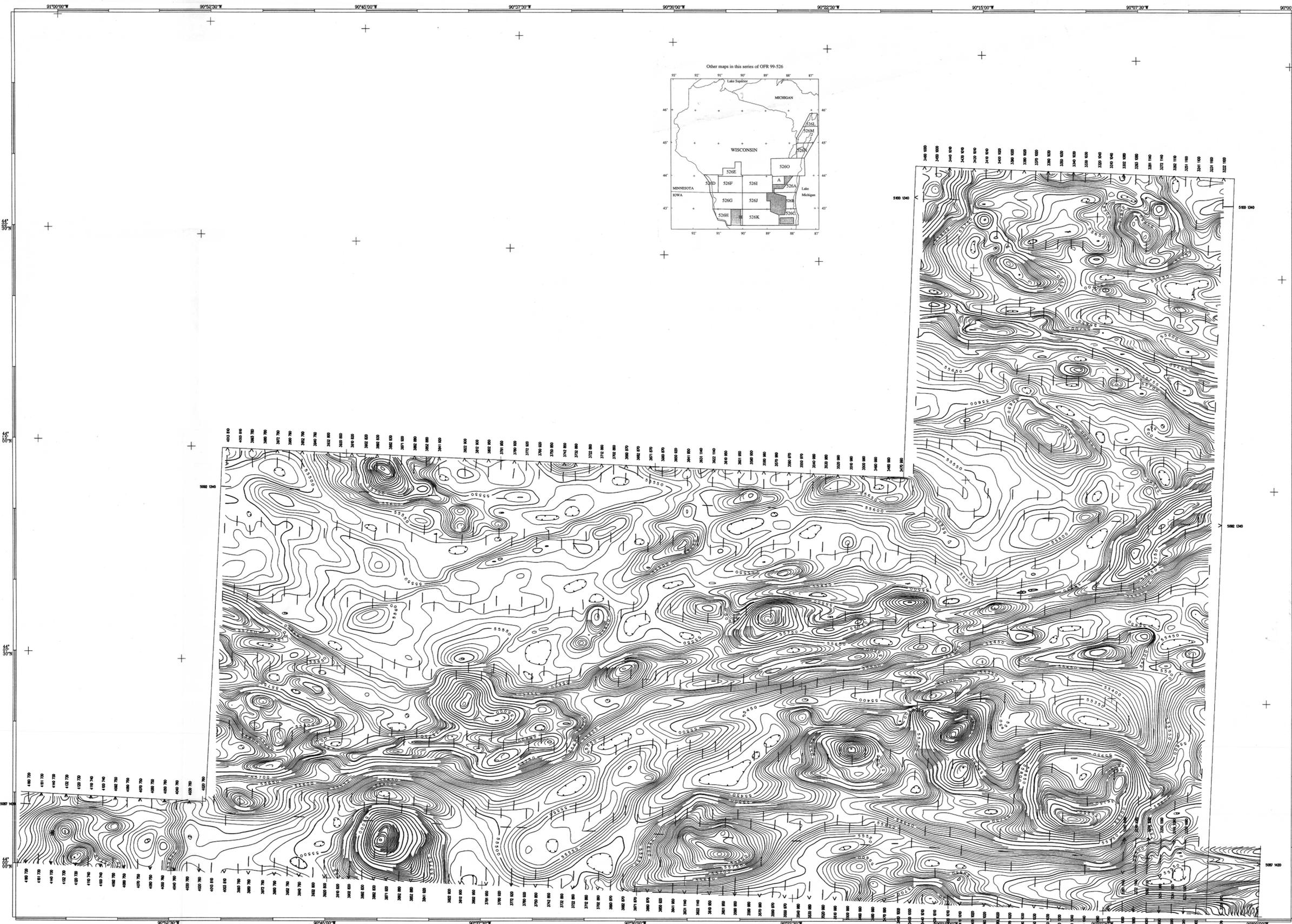


1051
131
99-526 E

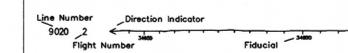


SURVEY SPECIFICATIONS
 Aircraft Altitude: 300m. a.g.l.
 Sensor Altitude: 300m. a.g.l.
 Line Spacing: 805m. Traverse / variable Control
 Flight Direction: N-S Traverse / E-W Control

AIRCRAFT
 Aviation Company: Brucelandair International
 Manufacturer/Type: Cessna 208 (C-GNHN)
 Survey Speed: 220 km/hr

EQUIPMENT
 High-Sense GFCS II geophysical flight control system with the following sensors installed in the aircraft:
 Magnetometer: Scintrex CS2 cesium
 Radar Altimeter: Terra 3000
 GPS Navigation: Novatel 3751 12 channel

COMPILATION
FLIGHT PATH:
 GPS data recorded during the flight has been differentially corrected and transformed to correspond to the Clarke 1866 (NAD27), Mean Cont. USA coordinate system.
 Spheroid: Clarke 1866 a=6378206.4 b=6356583.8
 Projection: Universal Transverse Mercator
 Local Datum Shift: $ax \ ay \ az = 8 \ -160 \ -176$
 Central Meridian: 87°W
 False Easting/Northing: 500,000 m. 0 m.



Note: Reproduction for open-file may introduce minor errors in scale and projection.

MAGNETICS:
 The magnetic data has been corrected for diurnal variation by a process of base station subtraction.
 Heading errors have been eliminated by control-line levelling.

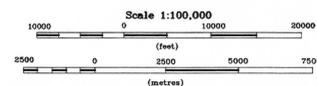
The grid interval is: 150 metres
 The contour intervals are: 10, 50, 250 nT

*: LATITUDE: 44.01835° NORTH
 LONGITUDE: 90.97349° WEST
 RAW MAG: 56956.88 nT
 IGRF'D MAG: -474.84 nT
 DATE: 98-11-06
 TIME: 18:11:14 UTC

**AEROMAGNETIC SURVEY OF
PART OF THE
BLACK RIVER FALLS
1:100,000 QUADRANGLE,
WISCONSIN**

BY
**U.S. GEOLOGICAL SURVEY
1999**

High-Sense Geophysics Ltd. 30 West Beaver Creek, Richmond Hill, Canada, L4B 1S5



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