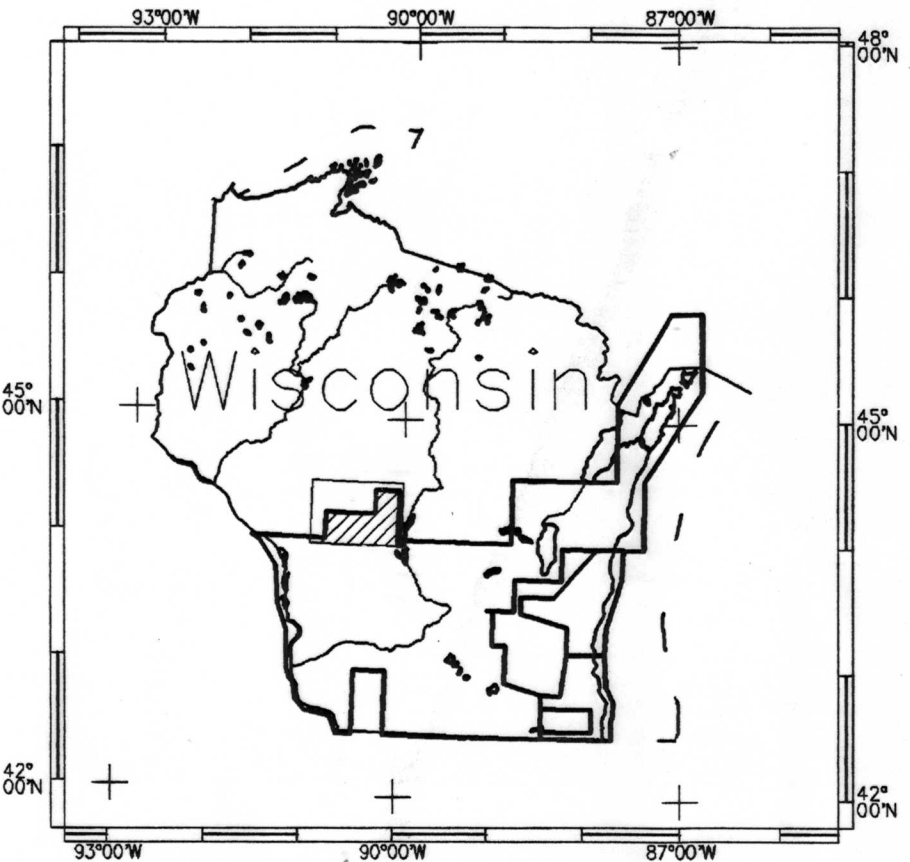
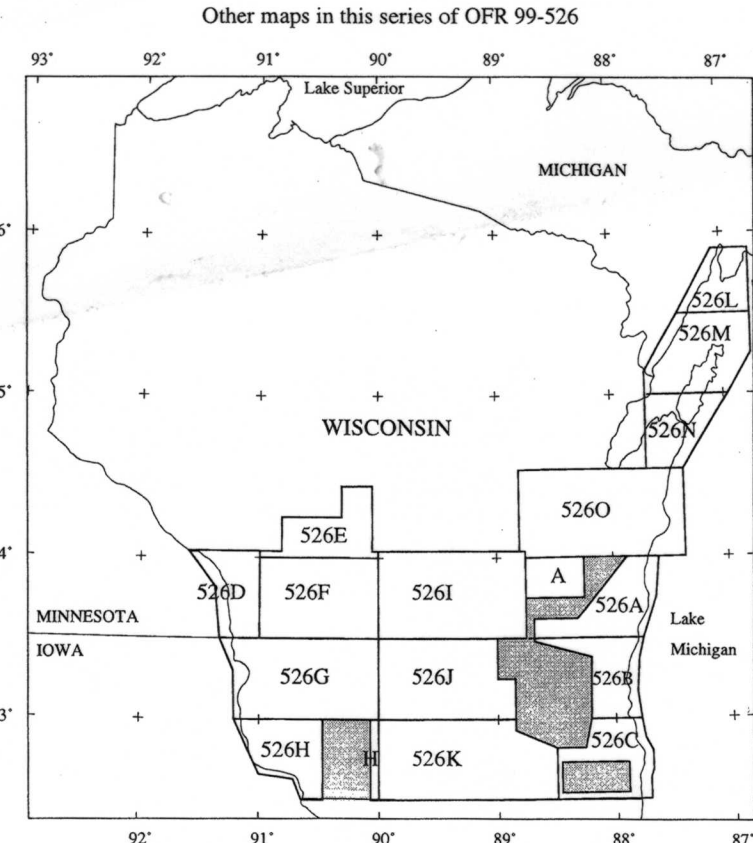
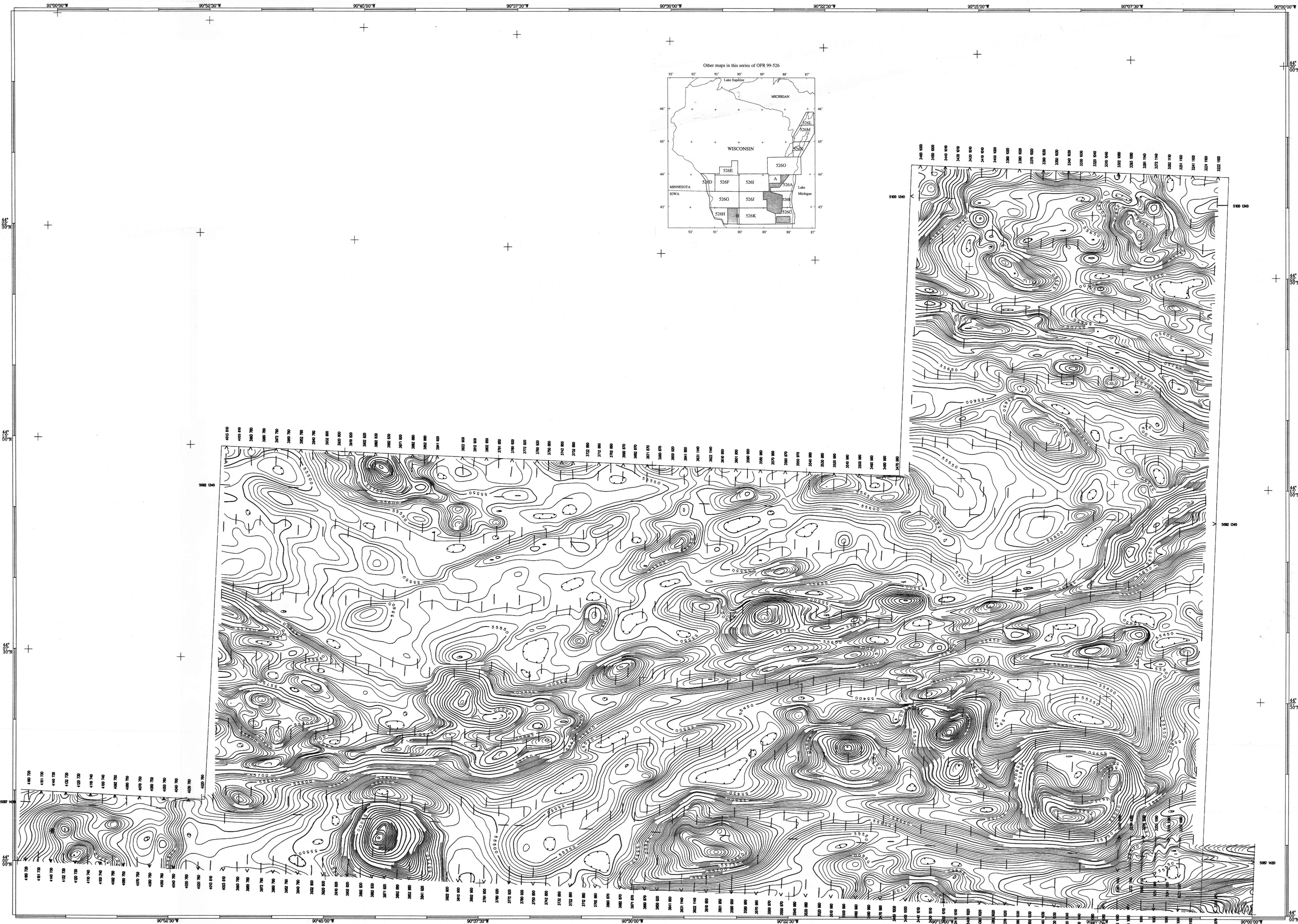


1051  
99-526E  
131



**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-GNIN)  
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

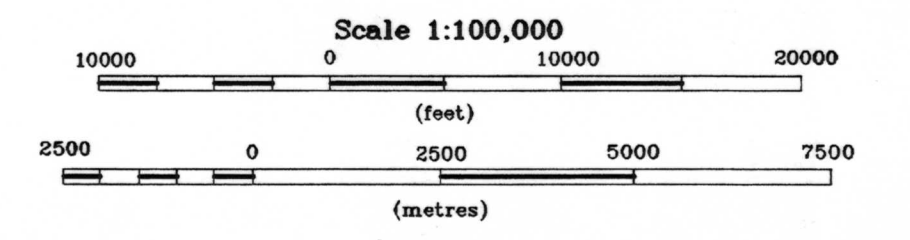
**COMPILATION**  
**FLIGHT PATH:**  
GPS data recorded during the flight has been differentially corrected and transformed to correspond to the Clarke 1866 (NAD27), Mean Cont. USA coordinate system. Spheroid: Clarke 1866 a=6378206.4 b=6356583.8 Projection: Universal Transverse Mercator Local Datum Shift: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

Line Number 2  
Flight Number 2  
Fiducial  
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 1G5



This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards. Any use of trade, firm or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

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