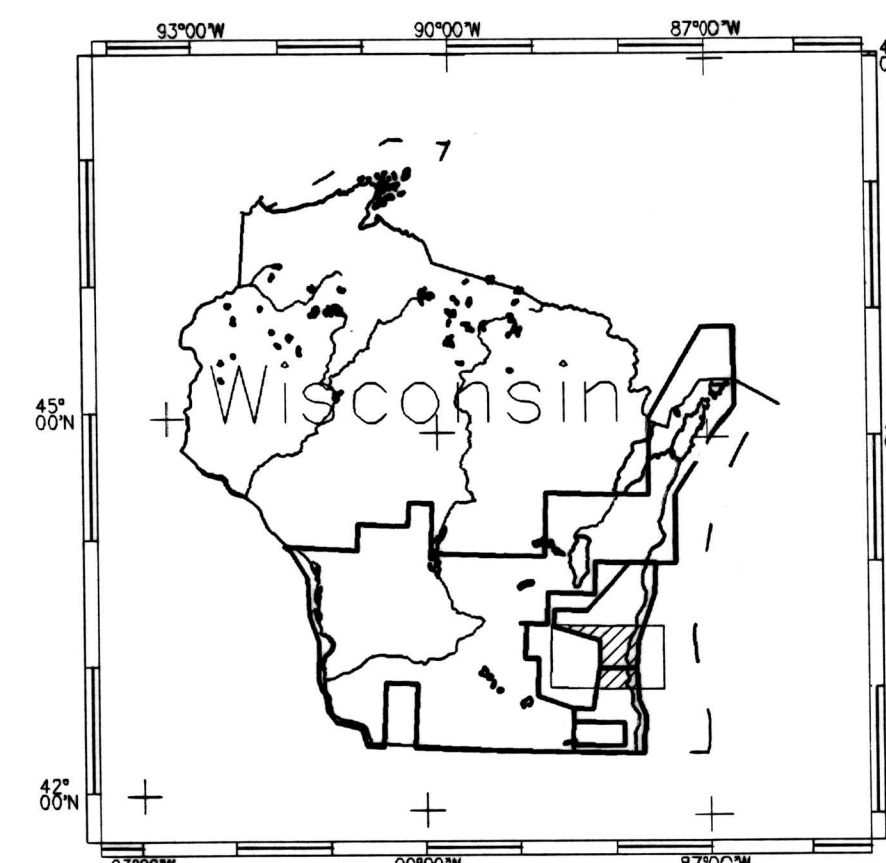
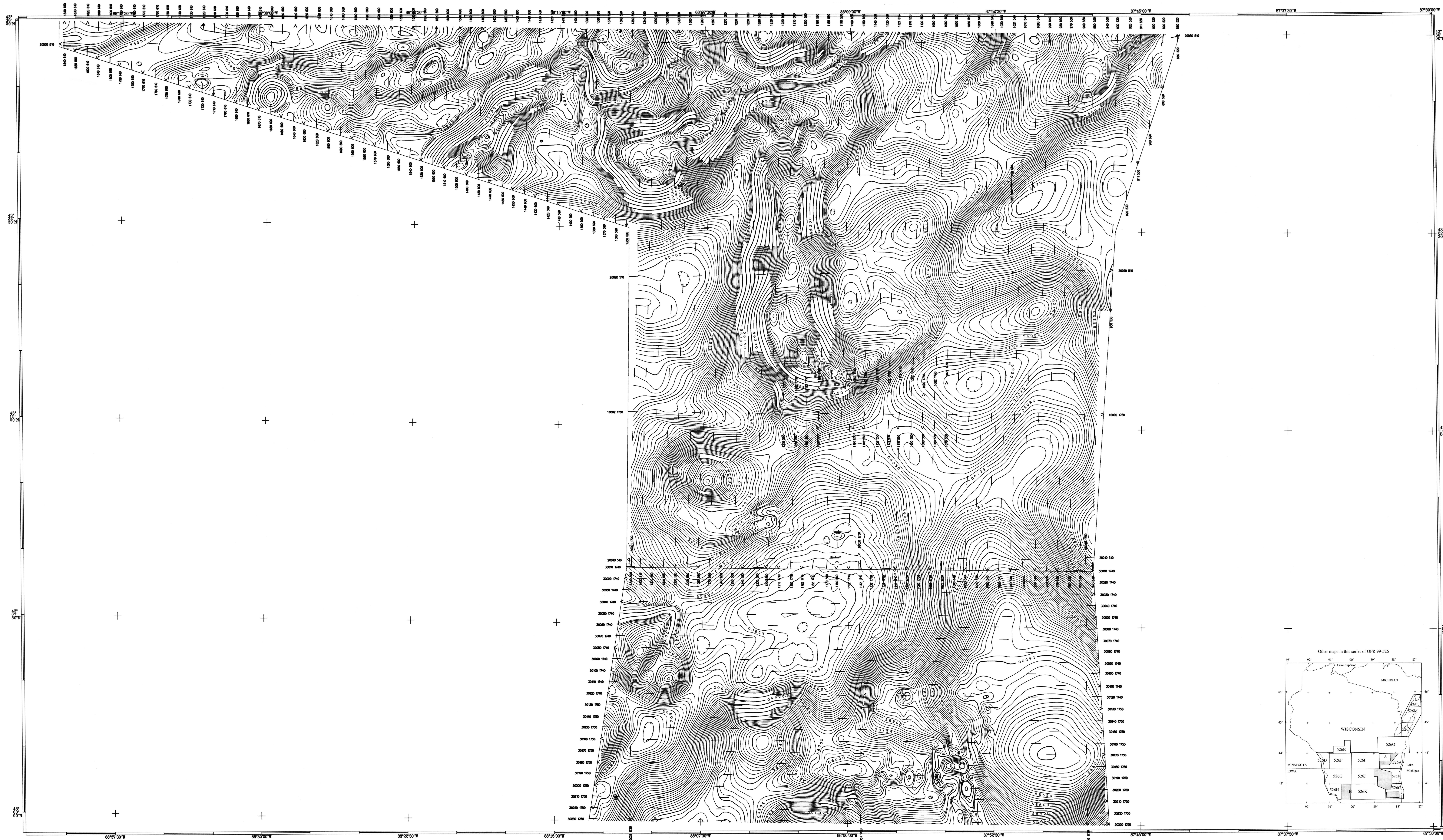


1451  
131  
99-526b

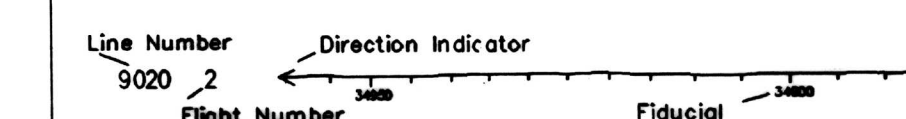


**SURVEY SPECIFICATIONS**  
Aircraft Altitude: 300m. a.g.l.  
Sensor Altitude: 300m. a.g.l.  
Line Spacing: 805m. Traverse / variable Control  
Flight Direction: E - W Traverse / N - S Control and  
N - S Traverse / E - W Control

**AIRCRAFT**  
Aviation Company: Brucelandair International  
Manufacturer/Type: Cessna 208 (C-GNXX)  
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

**COMPILED**  
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: xx yy  $\Delta\lambda = 8 - 160 - 176$   
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

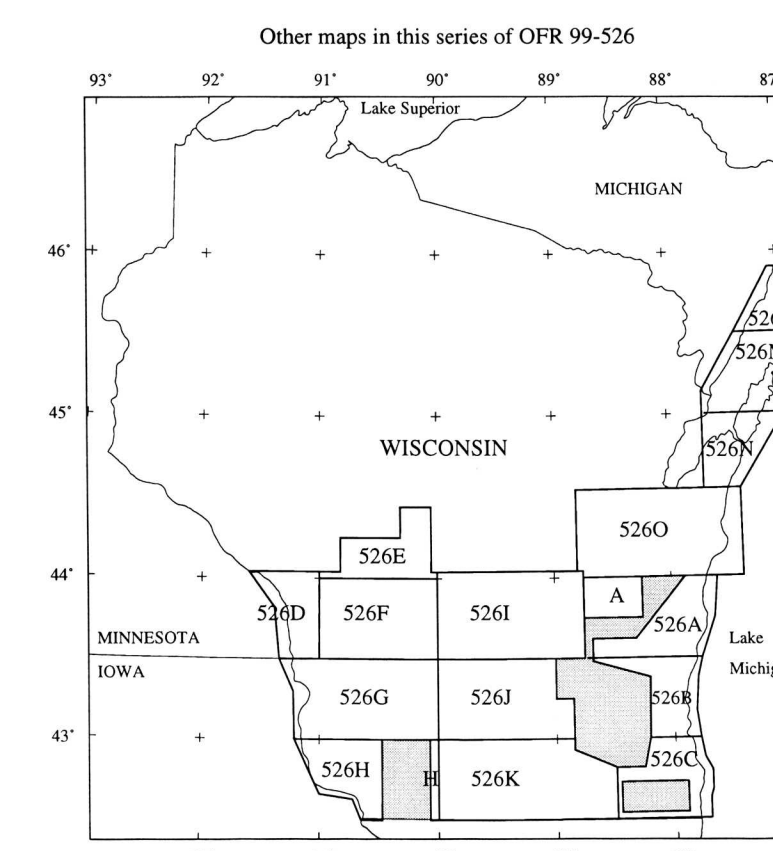
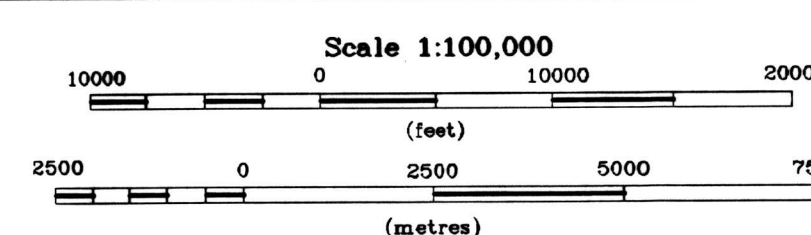
\*: LATITUDE: 43.01542° NORTH  
LONGITUDE: 88.19759° WEST  
RAW MAG: 56503.40 nT  
GRID MAG: -120.18 nT  
DATE: 99-02-13  
TIME: 16:20:03 UTC

**AEROMAGNETIC SURVEY OF PARTS  
OF THE OCONOMOWOC  
AND MILWAUKEE  
1:100,000 QUADRANGLES,  
WISCONSIN AND MICHIGAN**

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

High-Sense Geophysics Ltd.

50 West Beaver Creek  
Richmond Hill, Canada  
L4B 1G5



This map is preliminary and has not been  
reviewed for conformity with U.S. Geological  
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