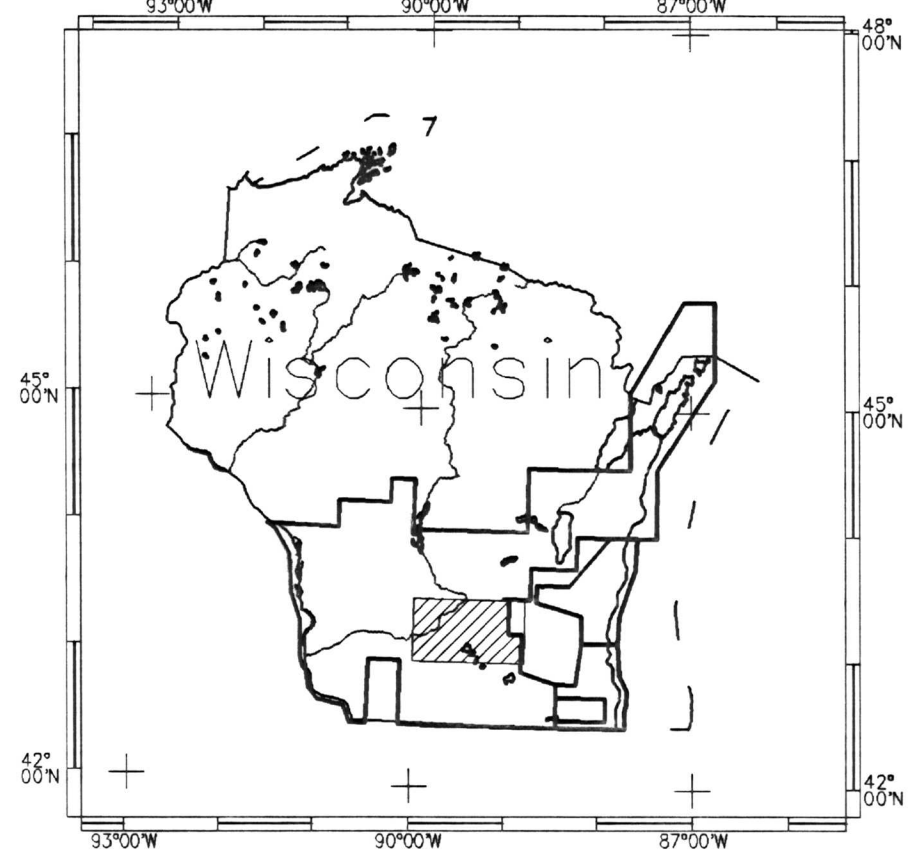
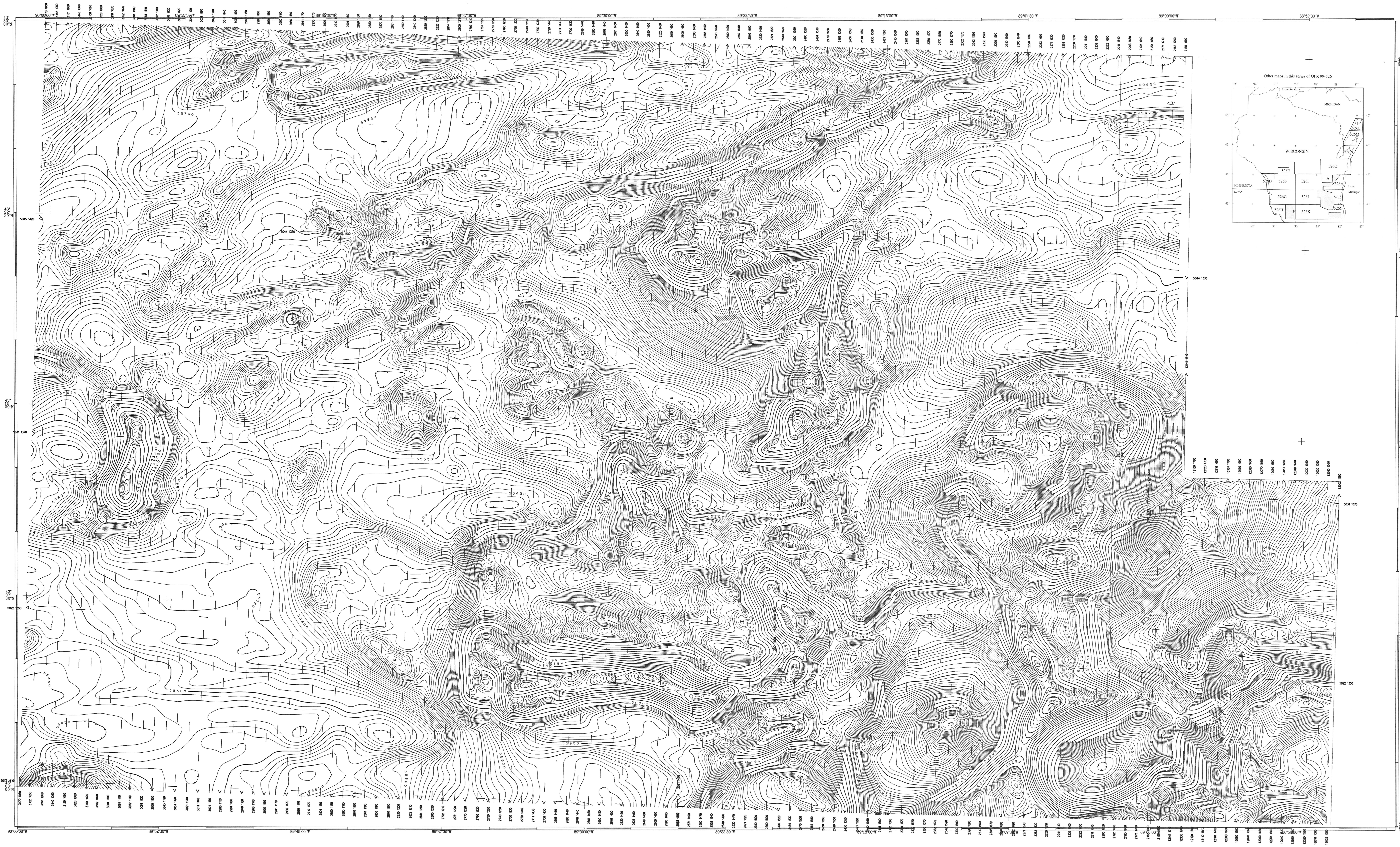


10F1  
132  
99-526 J



SURVEY SPECIFICATIONS	
Aircraft Altitude:	300m. a.g.l.
Sensor Altitude:	300m. a.g.l.
Line Spacing:	800m. Traverse / variable Control
Flight Direction:	N-S Traverse / E-W Control

AIRCRAFT	
Aviation Company:	Brucelandair International
Manufacturer/Type:	Cessna 206 (C-GNNN)
Survey Speed:	220 km/hr

EQUIPMENT	
High-Sense GFCS II geophysical flight control system with the following sensors installed in the aircraft:	
Magnetometer:	Saintrex 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: 4x 4y 4z = 8 -160 -176  
Central Meridian: 87°W  
False Easting/Northing: 500,000 m. 0 m.

Line Number 5000 2  
Flight Number 465  
Direction Indicator  
Fiducial 3400

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.

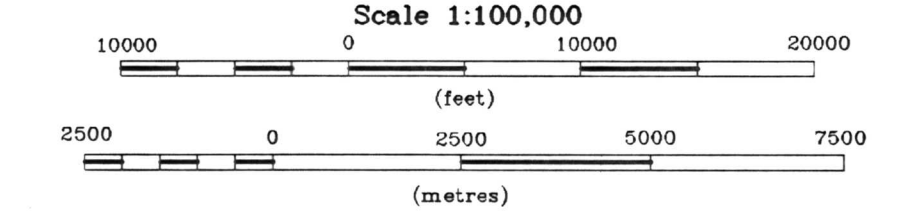
The grid interval is: 150 metres  
The contour intervals are: 10, 50, 250 nT

\*: LATITUDE: 43.01495° NORTH  
LONGITUDE: 89.98042° WEST  
RAW MAG: 56239.23 nT  
IGRFD MAG: -716.35 nT  
DATE: 98-12-02  
TIME: 14:19:53 UTC

**AEROMAGNETIC SURVEY OF THE  
MADISON AND PART  
OF THE OCONOMOWOC  
1:100,000 QUADRANGLES,  
WISCONSIN**

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

High-Sense Geophysics Ltd. 50 West Beaver Creek  
Richmond Hill, Canada L4B 1E3



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