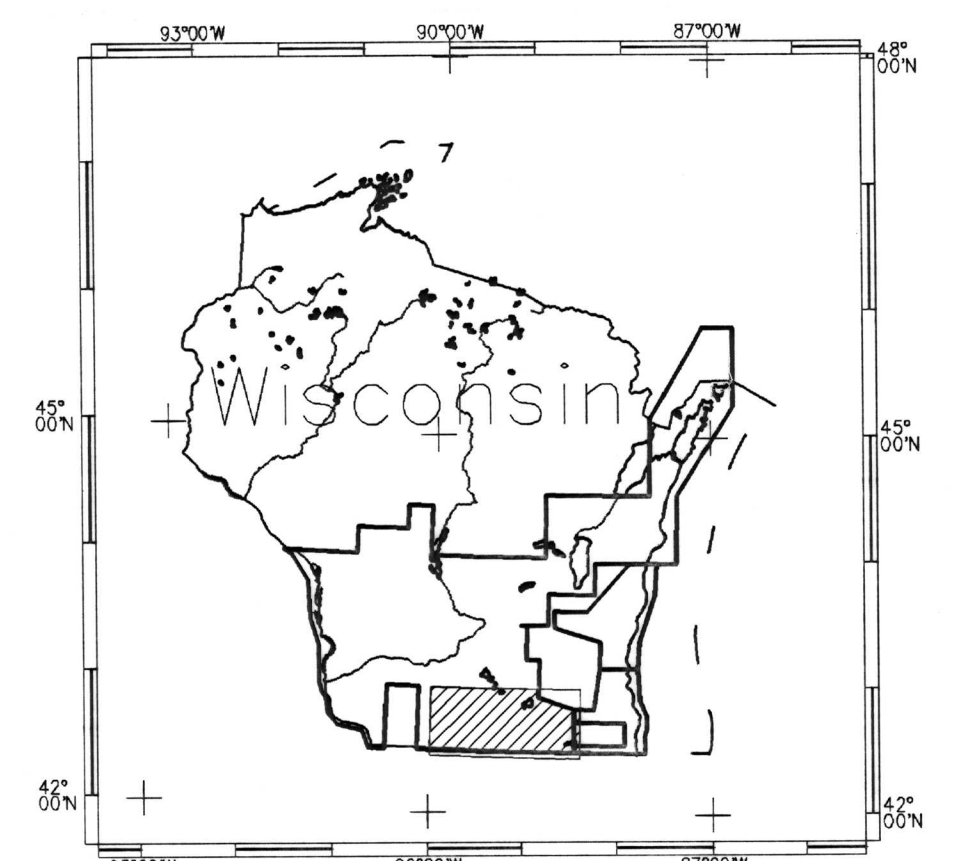
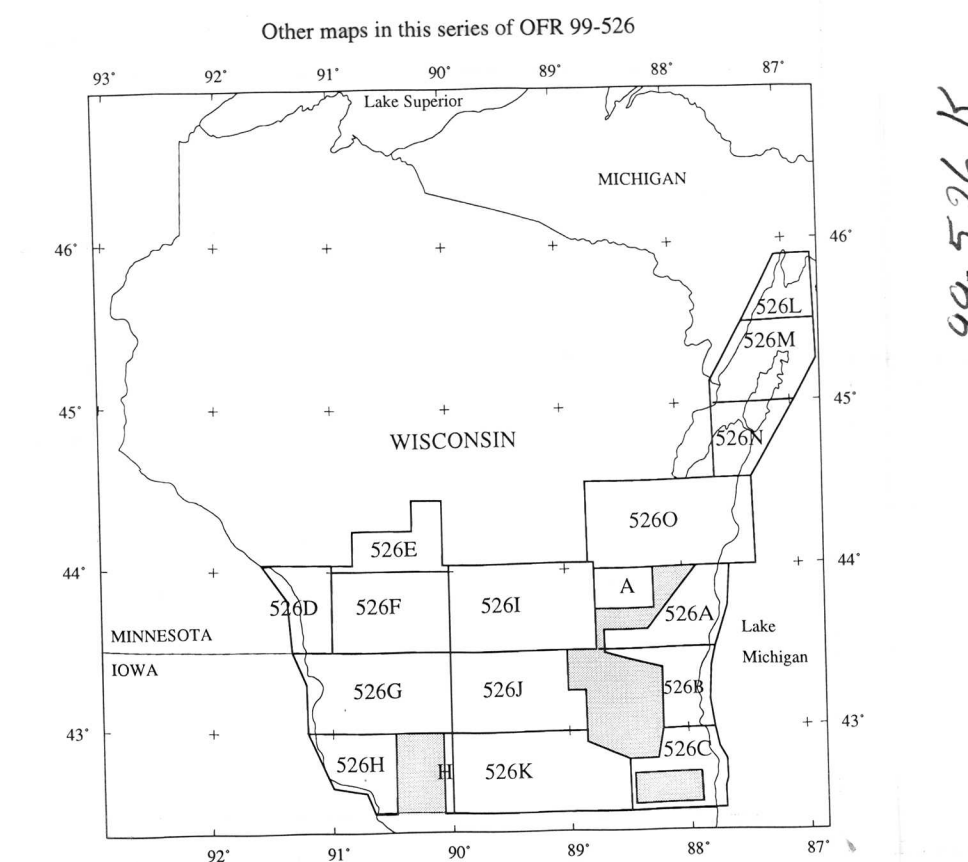
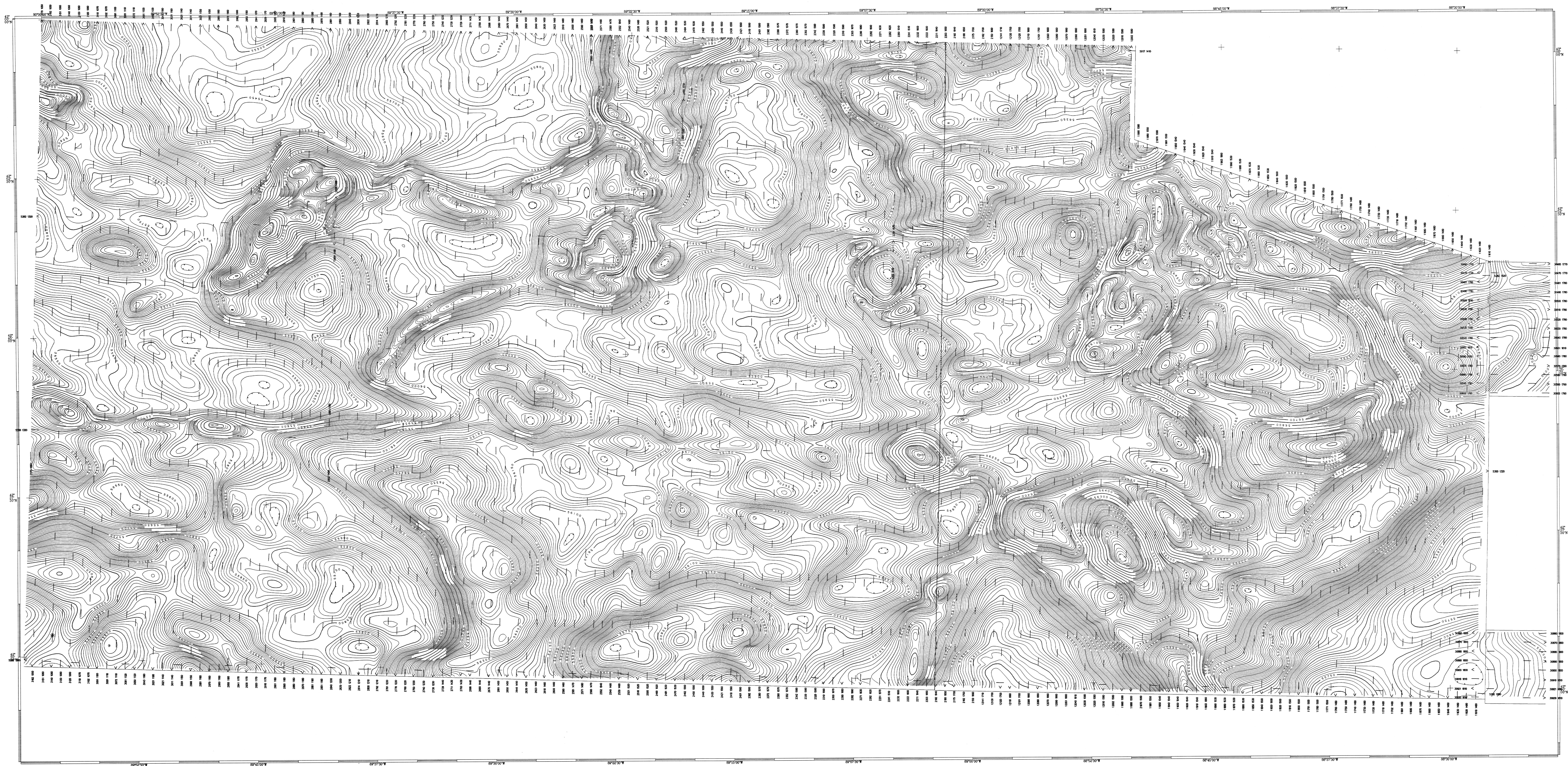


104.1  
99-526K  
AF-1995



**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: Brucelandor International  
Manufacturer/Type: Cessna 206 (C-310NN)  
Survey Speed: 220 km/hr

**EQUIPMENT**  
High-Sense GPS 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:  $\Delta x \Delta y \Delta z = 8 - 160 - 176$  Central Meridian: 87°W False Easting/Northing: 500,000 m. 0 m.

Line Number: 9000  
Direction Indicator: 2  
Flight Number: 1  
Fiducial: 1

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

\***UTM COORDINATES:**  
N: LATITUDE: 42.51752° NORTH  
LONGITUDE: 89.97112° WEST  
RAW MAG: 56416.38 nT  
CORRECTED MAG: -319.50 nT  
DATE: 98-12-02  
TIME: 17:53:04 UTC

**AEROMAGNETIC SURVEY OF THE  
MONROE AND PART OF  
THE LAKE GENEVA  
1:100,000 QUADRANGLES,  
WISCONSIN**  
**BY  
U.S. GEOLOGICAL SURVEY  
1999**  
High-Sense Geophysics Ltd. 50 West Beaver Creek  
Richmond Hill, Ontario  
L4B 1B1

