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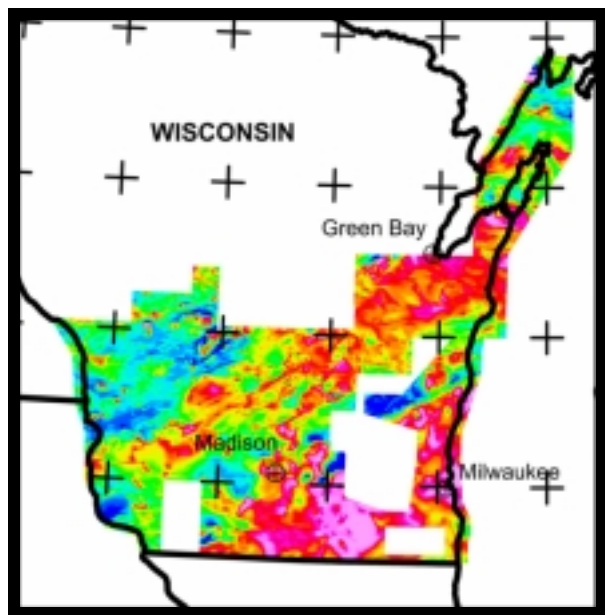
## **Aeromagnetic Surveying in Wisconsin 1998-99: Digital Data Files**

**By Robert E. Bracken  
and Suzanne W. Nicholson**

**Logistics Report**  
by High-Sense Geophysics Limited

**U.S. Geological Survey  
Open-File Report  
99-527**

1999



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This CD-ROM contains aeromagnetic data obtained between September 1998 and February 1999 over a large area in southern Wisconsin. The survey was flown and the data were processed by High-Sense Geophysics Limited, under contract with the U.S. Geological Survey. The total flight distance was about 46,000 line-miles (74,000 km) with traverse lines spaced at ½-mile (805m) and oriented in a north-south direction. The altitude was draped to topography at 1000 feet (305m) above ground level.

The aeromagnetic data on this CD-ROM include: (1) Flight-line data with measurements taken at 1/10-second intervals given in a compressed ASCII format; (2) Flight-line data winnowed to 1-second intervals given in a (non-compressed) ASCII format; (3) Grids of residual magnetic intensity using a Universal Transverse Mercator projection given in several file formats; and (4) an image of the aeromagnetic data given in four graphics formats with three levels of resolution.

Files on this CD-ROM disc were generated on a PC under the Microsoft Windows NT operating system, and are most easily accessed by a PC using one of the common Windows operating systems.

However, the folders and files are arranged such that the information and data may be accessed from a larger variety of computer systems.

The report and data may be accessed easily through the main entry-point, a file called **read\_1<sup>st</sup>**, found in the main folder of this CD-ROM, **Wisc1999\**. Several "read" files, found throughout the report, are given in three optional formats: ASCII Text (TXT), Adobe Portable Document File (PDF), and Microsoft Word Document (DOC). The PDF and DOC files contain links for rapidly accessing images and information objects. Viewing the PDF files requires Adobe Acrobat Reader software, which has been made available on this CD-ROM. The TXT files may be viewed using practically any reader or editor.

Sufficient hard disk space is needed to accommodate the line and gridded data files, which range in size from 9 Mb (smallest winnowed line data) to 230 Mb (largest line-data after uncompressing). The minimum added requirements of the Acrobat reader for a Windows 95/98 installation is about 10 Mb. This CD-ROM disc was produced in accordance with the ISO 9660 standard.

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U.S. Geological Survey Open-File Report 99-527

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