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Geophysical Data Set 1111–Revised  
**Ontario Airborne Geophysical Surveys, Magnetic and Electromagnetic Surveys, Reid–Mahaffy Airborne Geophysical Test Site (1999–2017)**  
by Ontario Geological Survey

This publication can be downloaded from  
[http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm\\_dir.asp?type=pub&id=GDS1111-rev](http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=GDS1111-rev)

This digital release updates previously published airborne magnetic and electromagnetic (EM) surveys flown over the Reid–Mahaffy geophysical test site near Timmins, using various fixed-wing and helicopter-borne EM systems. The tests were flown in order to verify system performance and to provide publicly available data that may be used to compare the performance of different electromagnetic systems. This release supersedes previously published Reid–Mahaffy test data (MRD 55, released June 2000; Geophysical Data Set 1045, released April 2003; and Geophysical Data Set 1111, released June 2004) which are incorporated in this compilation with updates, along with 5 unpublished test surveys. The data are presented along with geology, drilling information, and ground and borehole geophysical data.

The geophysical data set for each test survey includes profile databases in Geosoft® binary and ASCII formats along with transmitter wave form data. The test surveys included in this publication can be found in separate folders as listed in the file structure shown below. Depending upon the test survey, other geophysical products that may be included are the following.

- grids of magnetic and EM derivative products in Geosoft® binary and ASCII formats
- picked EM anomaly databases in Geosoft® binary and ASCII .csv formats
- halfwave data
- geotiff images and vector files
- conductivity depth images (CDI)

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The geophysical data sets compiled in this digital data release are arranged according to the following folder structure. Consult the appendices in the report for a description of the contents of the folders.

/MRD055

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