

Open File Report OF2000-2
Operation Superior: Multimedia Geochemical and Mineralogical
Survey Results from the Southern Portion of the Knee Lake
Greenstone Belt, Northern Superior Province, Manitoba (NTS 53L)

Contents and use of the CD-ROM version

Introduction:

This CD-ROM is intended both as a supplement to the printed version of the report and as a "stand alone" version that contains all of the information in the printed report in a format that will allow printing of a hardcopy report equivalent to that distributed by Manitoba Industry, Trade and Mines.

The data for OF2000-2 is presented in a number of formats so as to allow the greatest utility and access from the largest number of computer systems. The principal formats are:

- 1) Generic data - standard ASCII versions of data as comma delimited table files.
- 2) MS Office format - text as Word for Windows97 and data tables as Excel 5 formats.
- 3) A report containing the entire project report with maps and figures as an Adobe Portable Document Format (.pdf) file.
- 4) Map data are included as ESRI shape files for use with ArcView®, ArcInfo® or ArcExplorer® from ESRI. This format can also be imported into most other common GIS platforms such as MapInfo or AutoCad Map.

The .pdf files require that Adobe Reader® version 3.0 or newer be installed on your computer. This program can be acquired from Abobe at <http://www.adobe.com>

The maps in shape file format are best viewed in ArcView from ESRI Inc. but for those who do not have this software the ESRI supplied ArcExplorer® "freeware" viewer for shape files (as well as ArcInfo and PCArcInfo files) is included on the CD-ROM. This program is for Windows 95/98/NT only. Note that these files were created with ArcView version 3.2 and thus should be viewed with this or a newer version.

Disk contents

The CD-ROM contains the following directories:

OF2000-2.PDF	the complete electronic form of this report
README.DOC	this file as an MS Word file
README.PDF	this file in Portable Document Format
Multi99 <DIR>	all GIS projects and shape files
ARCEXPLORER <DIR>	install program for ESRI ArcExplorer®
DATA_AND_APPENDICES <DIR>	
ALL_APPENDICES <DIR>	all appendices in formatted Excel97 format
COMMA_DELIMITED_DATA <DIR>	all data as MS .csv comma delimited data files
NATIVE_SPREADSHEETS <DIR>	all data as unformatted Excel 5 spreadsheets

Every attempt has been made to name files and directories in as clear a manner as possible. The following is an annotated list of the contents of the various directories on the disk.

In general the files were named by combining a media with an analysis type (e.g. humus plus ICP for inductively coupled plasma AAS to give HUMUS_ICP as a file name).

The media types are:

B_HOR - B-horizon soil

HUMUS - humus
 ROCK - rock chips
 TILL_2M - till <2 micron fraction
 TILL_63M - till <63 micron fraction
 TILL_CARB - Chittick analysis of till carbonates
 VEG - black spruce crown twigs (vegetation)
 KO - kimberlite indicator mineral, metamorphosed and massive sulphide indicator mineral and gold grain data (Overburden Drilling Management Ltd.)
 KM - kimberlite indicator mineral data (Monopros)

As there is some variation in this naming scheme, all files are explicitly identified below.

MULTI99 DIRECTORY

ArcView project files

colour_geology.apr - colour geology map with sample locations
 location_overlay.apr - layout to plot a mylar overlay of sample locations
 b_horizon_enzyme_leach.apr - b-horizon enzyme leach colour bubble plot maps
 humus_icp.apr - humus ICP-AES colour bubble plot maps
 humus_inaa.apr - humus INAA colour bubble plot maps
 kim_odml.apr - colour bubble plot maps
 kim_monopros.apr - KIM data from Monopros as colour bubble plot maps
 gold_grains.apr - gold grain analysis colour bubble plot maps
 mmsim.apr - metamorphosed and magmatic massive sulphide indicator minerals colour bubble plot maps
 rock_icp.apr - rock ICP-AES colour bubble plot maps
 rock_inaa.apr - rock INAA colour bubble plot maps
 till_2micron.apr - ICP analysis (<2 micron till fraction) colour bubble plot maps
 till_63micron.apr - INAA analysis (<63 micron till fraction) colour bubble plot maps
 till_carbonate.apr - Chittick analysis of till carbonate component as colour bubble plot maps
 veg_icp.apr - black spruce crown twigs ICP-AES colour bubble plot maps
 veg_inaa.apr - black spruce crown twigs INAA colour bubble plot maps

As a convenience all of the above projects are duplicated in "black and white" format using a simplified geology base map. These layouts are more suitable for printing to a black and white inkjet or laser printer.

bw_geology.apr
 b_horizon_enzyme_leach_bw.apr
 humus_icp_bw.apr
 humus_inaa_bw.apr
 kim_monopros_bw.apr
 gold_grains_bw.apr
 kim_odml_bw.apr
 mmsim_bw.apr
 rock_icp_bw.apr
 rock_inaa_bw.apr
 till_2micron_bw.apr
 till_63micron_bw.apr
 till_carbonate_bw.apr
 veg_icp_bw.apr
 veg_inaa_bw.apr

ESRI shape file sets comprise 3 files of the same name with extensions of .shp, .shx and .dbf.

The shape files used to generate the bubble plots are located in the folders:

\multi99\Veg_INAA	vegetation INAA shape files
\multi99\Veg_ICP	vegetation ICP-AES shape files
\multi99\Till_carb	till carbonate analysis (Chittick)
\multi99\Till_63m	INAA analysis on <63 micron fraction of till
\multi99\Till_2m	ICP-AES analysis on <2 micron fraction of till
\multi99\Rock_INAA	INAA analysis of rock chips
\multi99\Rock_ICP	ICP-AES analysis of rock chips
\multi99\Humus_INAA	INAA analysis of humus
\multi99\Humus_icp	ICP-AES analysis of humus
\multi99\B_Hor_EL	b-horizon enzyme leach/ICP-AES analysis
\multi99\KM	kimberlite indicator mineral analysis (Monopros)
\multi99\Ko	Overburden Drilling Management Ltd. analyses
\multi99\Ko\KMO_M5	metamorphosed metamorphic and massive sulphide indicator mineral study
\multi99\Ko\KMO_KO2	kimberlite indicator mineral analysis
\multi99\Ko\Kmo_g7	gold grain analysis

The shape files follow the naming convention of starting with the name of the element.

NOTE ON USING THE .pdf FILE

The Adobe Portable Document Format file makes extensive use of internal hyperlinks to make the document easier to read. Active link areas are identified as either blue text or a blue box surrounding black text. The table of contents is linked to the text file by headings and the headings linked back to the table of contents. Appendices containing "bubble plot maps" start with a "Click Menu" to jump to each element analyzed and each map has a "Menu" button to return to the calling menu.

NOTE ON USING THE ARCVIEW PROJECT FILES

Each of the ArcView projects has two components - a view containing a separate entry for each element in the media/analysis group and a separate layout for element. The layouts contain the appropriate legend for each element. In order to duplicate the map in the report select the "View" panel and ensure that only one element is currently visible. Visible layers have a "check mark" to the left of the file name. If you select, for example, "Au" in the view, select the "Au" layout from the layout manager.

Each shape file has been sorted in descending order on the element for which it is named. This is to ensure that when symbolized, large symbols will plot behind small symbols so no data is obscured. The full media/method data set is duplicated in each shape file to make interactive querying of the data easier.

All data in this report are in UTM projection zone 15 using North American Datum 1983.

The shape files and projects were created using ArcView version 3.2. The associated project files cannot be read using earlier versions although the shape files can be read by version 3.0.

ARCEXPLORER DIRECTORY

This directory contains the installation file for ESRI ArcExplorer version 1.1 GIS data exploration program. This program is for Windows 95/98/NT only.

The ArcExplorer installation contains a Windows Help file document as well as a comprehensive manual in Adobe PDF format.

ArcView, PC-ArcInfo, ArcInfo and ArcExplorer are registration trademarks of Environmental Systems Research Institute Inc. ArcExplorer (ESRI Inc.) is a copyrighted software program, but can be freely distributed.

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