Geological Compilation of the Kirkland Lake Area, Abitibi Greenstone Belt
Miscellaneous Release - Data 58

MRD057 Can be downloaded at the following location:
http://www.geologyontario.mndm.gov.on.ca/mndmaccess/mndm_dir.asp?type=pub&id=MRD057

Ayer, J.A.; Trowell, N.F.; Valade, L.; Amyotte, E.; Madon, Z.; 2000. Geological Compilation of the Kirkland Lake Area, Abitibi Greenstone Belt. Ontario Geological Survey, Miscellaneous Release-Data 58

ISBN 0-7794-0072-0

For information on purchasing all publications, including digital data, contact:

Publication Sales
933 Ramsey Lake Rd., Level A3
Sudbury, Ontario P3E 6B5
Tel: 1-888-415-9845 (toll-free inside Canada and the United States)
Tel: (705) 670-5691 (local calls)
Fax: (705) 670-5770
E-mail: pubsales@ndm.gov.on.ca

Instructions for Using this CD

Table of Contents

1. CD Contents

This CD contains all the data for viewing the compilation map in AutoCAD, ArcView and ArcExplorer. In the root folder of this CD, please refer to: 'Metadata.*' for metadata information; 'ArcView Themes.*' for theme descriptions and the data dictionary of the ArcView attribute information; 'AutoCAD Layers.*' for a description of the drawing file structure; 'Legend.*' for an ascii version of the Legend and marginal notes as on the published harcopy Preliminary Map 3425.

The directory structure on this CD is:

ROOT	FOLDERS	SUBFOLDERS
	ArcExplorer	
	AutoCAD	
		Dwg_Files
		Dxf_Files
	Fonts	
	GIS_Data	

Image_Files
Legend_Files
Shape_Files

The ‘Root’ contains text files describing the data as well as instructions on how to view the different data types.

The ‘ArcExplorer’ folder contains the ArcExplorer software.

The 'AutoCAD' folder contains AutoCAD drawing (Dwg) files in the 'Dwg_Files' subfolder and AutoCAD drawing interchange (Dxf) files in the 'Dxf_Files' subfolder. The last two numbers of each file name distinguishes the file version related to AutoCAD.

The 'Fonts' folder contains font files used by ArcView for symbolizing the map. These fonts must be installed prior to viewing the data sets in ArcView. Complete installation instructions can be found in section 5 (Step by Step Procedure for Opening ArcView project 'Kirkland_Lake.apr').

The 'GIS_Data' folder and its' subfolders contain all the files necessary for viewing the map in ArcView and ArcExplorer.

A complete listing of all files included in this CD can be found in section 8.

2. Projection Details

This map was compiled onto a digital mosaic of Ontario Digital Topographic Data Base 1:20,000 OBM maps, using a Universal Transverse Mercator (UTM) projection and grid system, North American Datum 1927.

3. AutoCAD

To view the Kirkland Lake sheet in AutoCAD, open 'KL_Geology**.dwg' in the 'Dwg_Files' subfolder of the 'AutoCAD' folder. Select the appropriate version as distinguished by the last two digits of the file name. Because several software packages can import the AutoCAD DXF format, various versions of 'KL_Geology**.dxf' are available in the 'Dxf_Files' subfolder.

4. Arcview

Before opening the ArcView map, you must install all font files from the 'Fonts' folder into the 'Windows\Fonts' or 'Winnt\Fonts directory of your PC. Refer to section 5. (Step by step Instructions for ArcView project file).

ArcView symbols are actual font characters. All structural and deposit type symbols on the Kirkland Lake sheet are derived from the font files within the 'Fonts' folder. For ArcView to properly symbolize the structural and deposit themes, these font files must be available to the program. A composite marker set (mdi_points.avp), used to symbolize the MDI theme, was also created using the 'MDI Points' font file. This file is located in the 'Legend_Files' folder.

ArcView creates separate files for each 'theme' on a map. Each theme has a feature geometry file (.shp), a database file (.dbf), a lookup index file (.shx) and spatial index files (.sbn, .sbx) . Other files used by ArcView include the legend property files (.avl) and legend palette files (.avp). All these files are linked together by a 'project file' (Kirkland_Lake.apr). Kirkland_Lake.apr is the Arcview 3.2 project file which may be also opened with Arcview 3.1.

A project file houses a directory of, and the path to, all of the files that comprise a map. You can view the map from the CD by simply double clicking on 'Kirkland_Lake.apr' or you can copy the 'GIS_data' folder to any directory on your hard drive. The project file has been formatted to read all associated files on the initial startup of the project file. If you save the project to your hard drive, avoid moving the files from their existing folder. Otherwise ArcView will ask you to locate the Shp and Dbf file for each individual theme when opening the project.

5. Step by step Instructions for ArcView project file.

* Step by Step Procedure for Opening ArcView project 'Kirkland_Lake.apr'

1. Copy the 'GIS_Data' folder from the CD to a directory on your hard drive. Because the files were copied from a CD, they will all be write protected. To remove this, select all the files in each folder

and subfolder, right click to select the 'Properties' dialog box, clear the 'Read-only' check box and click the Apply box.

* 2. Open the 'fonts' subdirectory in your 'windows' or 'winnt' directory, or from the 'Control Panel' select 'Fonts'. Under 'File', click 'Install New Font'. If this option is not available to you, open a DOS window, switch to the windows directory, and type 'attrib fonts +s'. Shut down windows, and restart your computer. The option 'Install New Font...' will now be available under the 'File' menu. Select 'Install New Font...' and highlight the files located in the 'Fonts' directory on your CD drive, click OK and windows will install them. It is crucial that you install all of the fonts before you open the 'Kirkland_Lake.apr' project in ArcView. All map symbols will be improperly symbolized if you skip this step.

* 3. However, if you open the project file and save it before installing the fonts, the map symbols can be re-created within ArcView by loading the appropriate legend file(.avl). To recreate the map symbols for themes, double click on the theme in the Table of Contents (TOC) portion of the 'View' window in Arcview. The legend editor will open. At the top of the dialogue box, select 'Load' and browse to the "Legend_Files" subfolder which contains the '.avl' files for each theme (see section 8 for list). All legend files are labeled according to the theme they represent. Once the appropriate legend file has been selected, the theme will be re-symbolized when you select the "Apply" button in the legend properties dialogue box. This can be done for all themes that were improperly symbolized.

* 4. Most themes have their legend properties hidden in the TOC portion of Arcview's 'View' window. To view these properties, select 'Hide/Show Legend' under the 'Theme' pull down menu. The Legends were hidden so that all themes will be visible on the screen. Any theme that is 'hidden' will not be included in the ‘Layout’ legend (for printing or plotting).

* 5. All ArcView themes have a corresponding '.dbf' file. These files store all the attributes related to that theme. These attributes can be viewed and queried in Arcview or opened directly in other programs such as Excel and Access.

6. ArcExplorer

If you do not own a copy of Arcview but would like to view and query this GIS data set, we have provided you with a copy of ArcExplorer, a lightweight GIS data explorer developed and distributed at no cost by ESRI. ArcExplorer can work on its own with local data sets or as a client to Internet data and map servers. It is a complete data explorer, allowing users to display and query a wide variety of standard data sources.

To install ArcExplorer, double click aeclient.exe’ to extract the necessary files. Next double click AEJavaSetup.exe to start the installation wizard and follow the instructions for the installation procedure. Once in ArcExplorer, select 'Open' from the 'File' pull down menu and browse to the 'Kirkland_Lake.aep' in the 'GIS_Data' folder. All themes available in ArcView are present within this file. It is important to note that ArcExplorer is simply a GIS viewer and does not contain the full functionality of ArcView. For information or support on ArcExplorer, please visit their web site at 'www.esri.com'.

7. Contacts

Any comments or questions can be directed to:

John Ayer	john.ayer@ndm.gov.on.ca
Norm Trowell	norm.trowell@ndm.gov.on.ca
Luc Valade	luc.valade@ndm.gov.on.ca
Zoran Madon	zoran.madon@ndm.gov.on.ca

8. Detailed CD file listing

Directory of _:\MRD 58

\Arc Explorer
\AutoCad
\Fonts
\GIS_Data
    ArcView Themes.txt
    ArcView Themes.xls

AutoCAD Layers.rtf
AutoCAD Layers.txt
Legend.rtf
Legend.txt
Metadata.rtf
Metadata.txt
Readme.rtf
Readme.txt

Directory of _:\MRD 58\Arc

Aeclient.

Directory of _:\MRD 58\AutoCad

\Dwg_Files
\Dxf_Files

Directory of _:\MRD 58\AutoCad\Dwg_Files

KL_GEOLOGY12.dwg
KL_GEOLOGY13.dwg
KL_GEOLOGY14.dwg

Directory of _:\MRD 58\AutoCad\Dxf_Files

KL_GEOLOGY12.dxf
KL_GEOLOGY13.dxf
KL_GEOLOGY14.dxf

Directory of _:\MRD 58\Fonts

AMRIGOB.TTF
AMRIGOBI.TTF
AMRIGOI.TTF
AMRIGOM.TTF
AMRIGOMI.TTF
AMRIGON.TTF
bed_sdvl.ttf
cvg_disp.ttf
cvg_genr_cren.ttf
fld_axpkf.ttf
flt_brdu.ttf
flt_brit.ttf
flt_duct.ttf
foln_all.ttf
fractur1.ttf
fractur2.ttf
ignscont.ttf
lay_compf.ttf
lay_igns.ttf
linn_all.ttf
MDIPOINT.TTF
misc.ttf
paleocur.ttf
vein.ttf

Directory of _:\MRD 58\GIS_Data

\Image_Files
\Legend_Files
\Shape_Files

kirkland_lake.aep
kirkland_lake32.apr

Directory of _:\MRD 58\GIS_Data\Image_Files

DEM_452515_Shaded_clr.tifw
DEM_452515_Shaded_clr.tif
DEM_452515_Shaded_gry.tfw
DEM_452515_Shaded_gry.tif
KL_2vd_clr.tif
KL_2vd_clr.tifw
KL_Mag_clr.tif
KL_Mag_clr.tifw
KL_Shaded2vd_clr.tif
KL_Shaded2vd_clr.tifw
KL_Shaded2vd_gry.tif
KL_Shaded2vd_gry.tifw
KL_ShadedMag_clr.tif
KL_ShadedMag_clr.tifw
KL_ShadedMag_gry.tif
KL_ShadedMag_gry.tifw

Directory of _:\MRD 58\GIS_Data\Legend_Files

contacts.avl
dikes.avl
faults.avl
folds.avl
geochron.avl
geology.avl
geology_detailed.avl
iron_formations.avl
kimberlites.avl
lakes.avl
latlong_grid.avl
mdi.avl
mdi_points.avp
neatline.avl
rivers.avl
roads.avl
rock_codes.avl
symbols.avl
towns.avl
townships.avl
utm_grid.avl

Directory of _:\MRD 58\GIS_Data\Shape_Files

contacts.dbf
contacts.sbn
contacts.sbx
contacts.shp
contacts.shx
dikes.dbf
dikes.sbn
dikes.sbx
dikes.shp
dikes.shx
faults.dbf

faults.sbn
faults.sbx
faults.shp
faults.shx
folds.dbf
folds.sbn
folds.sbx
folds.shp
folds.shx
geochron.dbf
geochron.sbn
geochron.sbx
geochron.shp
geochron.shx
geology.dbf
geology.sbn
geology.sbx
geology.shp
geology.shx
iron_formations.dbf
iron_formations.sbn
iron_formations.sbx
iron_formations.shp
iron_formations.shx
kimberlite.dbf
kimberlite.sbn
kimberlite.sbx
kimberlite.shp
kimberlite.shx
lakes.dbf
lakes.sbn
lakes.sbx
lakes.shp
lakes.shx
latlong_grid.dbf
latlong_grid.shp
latlong_grid.shx
mdi.dbf
mdi.shp
mdi.shx
neatline.dbf
neatline.sbn
neatline.sbx
neatline.shp
neatline.shx
rivers.dbf
rivers.sbn
rivers.sbx
rivers.shp
rivers.shx
roads.dbf
roads.sbn
roads.sbx
roads.shp
roads.shx
rock_codes.dbf

rock_codes.sbn
rock_codes.sbx
rock_codes.shp
rock_codes.shx
symbols.dbf
symbols.sbn
symbols.sbx
symbols.shp
symbols.shx
towns.dbf
towns.sbn
towns.sbx
towns.shp
towns.shx
townships.dbf
townships.sbn
townships.sbx
townships.shp
townships.shx
utm_grid.dbf
utm_grid.sbn
utm_grid.sbx
utm_grid.shp
utm_grid.shx

9. Minimum suggested hardware and software requirements

Pentium 133 mHz
32 mb Ram
200 mb of hard drive space