GEMS Upgrade, Version 1.1 to 1.2

Version: 1.2.0 (July 15, 1999)
Previous version: 1.1.1

This GEMS release deals primarily with bug fixes, new commands and some minor changes to accommodate Cartographic Database Standards (CDS) version 2.1.

Of Immediate Importance To You

There is a new location map distributed with this release that incorporates the new political boundaries of Nunavut. This must now be used on all published maps. Some other changes to the location map are listed below.

There have some minor changes to the structure of meta data information. Prior to upgrading to this version please ensure no fields contain any single quotes in the Meta Data Information menu. If any fields contain a quote, please remove them, perform the upgrade and then insert the quote back in the field.

Changes to the meta data information structure no longer required meta data information to be transferred to the NTL<map#> cover. Thus, these additional items in the NTL<map#> cover are no longer required and will be interpreted as non-standard items.

In addition, a new ArcPlot command TITLEBLOCK makes use of the meta data information to plot a title in ArcPlot.

A new reporting procedure will evaluate your entire workspace and its contents on its compliance to CDS. The procedure creates a document in your workspace for review.

Before upgrading GEMS, please exit GEMS and any Arc/Info session you may have open.

Bug Fixes

If you have submitted a bug to me via email then it has been fixed in this update. Following are known bugs that have been fixed.

Arc Module
- Creating a border caused an error when trying to create labels on the neatline cover before polygon topology exists. Error, however never affected border cover.
- Displaying map coordinates after creating NTS cover did not display anything.
- Execution of PRJ and DSC commands at prompt outside of GEMS did not return prompt.
- Processing geology with water mask created non-standard items.
- Recording Files in Workspace when creating meta data ASCII writes "1, -20" to ASCII file instead of the file names.
- Restoring aborted edits from an ArcEdit session to a new cover was restoring edits to original cover rather than new cover as requested.
- Creating archive.prj projection file did not include SPHEROID or DATUM options.
- Deleting a record when editing a LEG info file closed the menu.
- ESRI's Separator program caused error of unknown variable .plt$imgsat.

ArcEdit Module
- When using multiple select feature, writing to setup file aborted when quitting ArcEdit.
- Default button in Straighten menu not displaying default values.
- Could not access symbolsets from Draw Environment and Back Environment menus.

ArcPlot Module

- When plotting legends, any symbols with the default dip position to the left we're having the dip plotted on the right. This also affected adding dip values automatically in ArcEdit.

Changes And Enhancements

Arc Module

- The output option "Location Map" when creating projection files has been removed as it is now possible to plot and project the NTL<map#> cover simultaneously in ArcPlot.
- Help instructions included to register the digitizer menu to a digitizer.
- New archive.meta file created automatically when archive.prj projection file is created. This new file contains meta data information that was previously transferred to the NTL<map#> cover.

ArcEdit Module

- CDS annotation subclass names can be selected from a popup list when creating subclasses in ArcEdit, thus avoiding to type the correct name.
- ArcEdit FORMS command is now accessible from the Attributes pulldown menu.
- Option to turn off all snapping when performing the STRAIGHTEN command.
- Clarified ArcEdit quitting options. When "Prompt to save edits" is checked the quitting menu will appear when you quit ArcEdit. If it is not checked, the quitting menu will not appear and all edits will be saved.
- When using Select Same option, GEMS checks if previous used item still exists.

ArcPlot Module

- The default flag colour for Natural Resources logo and Canada wordmark is red.
- The default dot colour in the location map is red.
- Latitude and longitude lines by default are not plotted in the location map.
- Location map includes new political boundaries of Nunavut.
- Sample plotmap.aml from gsc/support/sample folder has incorrect French for UTM projection. Correct wording is: Projection transverse universelle de Mercator.
- Natmap logo plotted above border is changed from 8mm to 6mm above specified border coordinates.
- Text (specifically kilometres and metres as part of the scale bar) will be plotted in lower case, in order to comply with the International System of Units symbols.
- Scales as small as 1:40,000,000 can now be plotted. The previous limit was 1:15,000,000.

New Commands

Arc Module

- Ability to copy tics from one source cover to many covers in the current workspace. Available from the Cover Management menu.
- Ability to copy defined projection from one source cover to many covers in the current workspace. Available from the Projection pulldown menu.
- Generalized NTS drainage may be included as part of the NTS<map#> cover. Drainage is plotted as a blue line (line symbol 890 from GSC.LIN) and feature coded based on the –ID item. The entire NTS cell is shaded based on the label point added. To avoid shading areas over bodies of water, the label points NTS-SYM item must be calculated to 1 or 0.
- New reporting procedure will evaluate the entire workspace and its contents on its compliance to CDS. The procedure creates a document in your workspace for review.
- Native codepage can now be set as part of the GEMS general settings. The value is saved as part of the GEMS startup file, therefore it only needs to be set once.

ArcPlot Module

- TITLEBLOCK command plots a title block, including scale bar, projection, datum and copy right note, based on meta data information and BOR<map#> cover. See PDF document on command for more information.