DIGITAL MAPPING TECHNIQUES 2015

The following was presented at DMT ‘15
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The contents of this document are provisional

See Presentations and Proceedings from the DMT Meetings (1997-2015)

http://ngmdb.usgs.gov/info/dmt/
Applying the NCGMP09 Standard: Map Creation 101

Basic steps for creating a geologic map using NCGMP09

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WSGS Workflow and other documents available on DVD

Class 1-15: Edition 2012

1:24,000-scale Template

Digitize Linework

Contacts to Polygons

Add Layout Elements

Add Hillshade/Finalize

Conclusions and Challenges

The workflow at WSGS follows method #1 under “Suggestions regarding workflow” in the NCGMP09-Draft Standard. Digitizing lines, converting to polygons, and globally populating fields proves to be the most straightforward approach for WSGS.

There are many aspects of the NCGMP09 Standard we have not incorporated into our process. Some we have not explored yet, while others we have not felt necessary for our maps.

Challenges we have encountered with NCGMP09:

- Make Polygons tool gets confused after multiple uses
- Slight differentiation of the necessity of all fields
- Inability to complete the tables by deadline
- Problems with domain updates
- Difficult to use with surfical maps

Things we like about NCGMP09:

- Standard database between maps
- More comprehensive database than in the past
- Standard symbology

Getting people to follow the Standard is like herding cats!

-Dave Sellers

Herding cats: An idiom that refers to a frustrating attempt to control or organize a class of entities which are uncontrollable or chaotic.

-Wikipedia
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By Suzanne Luhr and Phyllis Ranz, Wyoming State Geological Survey

This poster is a visualization of the basic map creation process using the NCGMP09 standard, at the Wyoming State Geological Survey.

The NCGMP09 standard enables multiple maps to be more visually and contextually consistent, more readable and informative thanks to more comprehensive databases, and more queriable. Initial implementation was a challenge, not only learning the intricacies of the standard, but convincing staff of the need for it. It’s a continuing process, but WSGS is committed to it.

A step-by-step map creation guide is available upon request, but includes too many linked files to include here. But we will gladly share it. Contact Suzanne Luhr, suzanne.luhr@wyo.gov, 307-766-2286.