The following was presented at DMT’09 (May 10-13, 2009).

The contents are provisional and will be superseded by a paper in the DMT’09 Proceedings.

This poster presents a proposed standard format for geologic map publications funded by the U.S. Geological Survey's National Cooperative Geologic Mapping Program. The design is a logical data schema to encode content analogous to that contained in a traditional geologic map published by the USGS and state geological surveys. We have implemented the database as an ESRI geodatabase in order to adhere to USGS policy and because this is a widely used GIS. This design is intended to provide a stepping-stone toward development of multi-map databases, in particular the National Geologic Map Database (NGMdb).

Implementation in other database software format is straightforward. A version has been implemented in PostGIS to support GML-based GeoSciML web services.