

The esriNCGMP Online Geologic Mapping Template is a GIS-based cartographic solution that serves as the foundation for publishing key features of traditional surficial and bedrock geologic map to ArcGIS Server, to eventually be registered on ArcGIS.com or compiled as a web mapping application.

esriNCGMP Online Geologic Mapping Template brings together the cartography and relevant data structures of the [FGDC Digital Cartographic Standard for Geologic Map Symbolization](#), the [Esri Geologic Mapping Template](#) geodatabase schema and the [NCGMPschema](#).

The [Geologic Map of the Mount Baker Quadrangle](#), registered to ArcGIS.com, is a live example of a map produced with the template. Digital data for the Geologic Map of the Mount Baker 30' x 60' Quadrangle was appended to a copy of the EsriNcgmp.gdb.

The template geodatabase (EsriNcgmp.gdb) can be found in the *Template* folder, along with the corresponding .mxd, in the EsriNcgmp Online Geologic Mapping Template. The *Example* folder contains a copy of the template folder contents, with data.

The FGDC Digital Cartographic Standard for Geologic Map Symbolization provides a single national standard for the digital cartographic representation of geologic map features. The [Esri Geologic Mapping Template](#) originated from an informal agreement between the USGS and Esri to develop and ArcGIS implementation of the [FGDC Digital Cartographic Standard for Geologic Map Symbolization](#). The [NCGMPdata](#) model is the current proposed standard format for geologic map publications funded by the U.S. Geological Survey's National Cooperative Geologic Mapping Program. The database is designed for encoding content analogous to that contained in a traditional geologic map published by the USGS and by state geological surveys.