ELEMENT

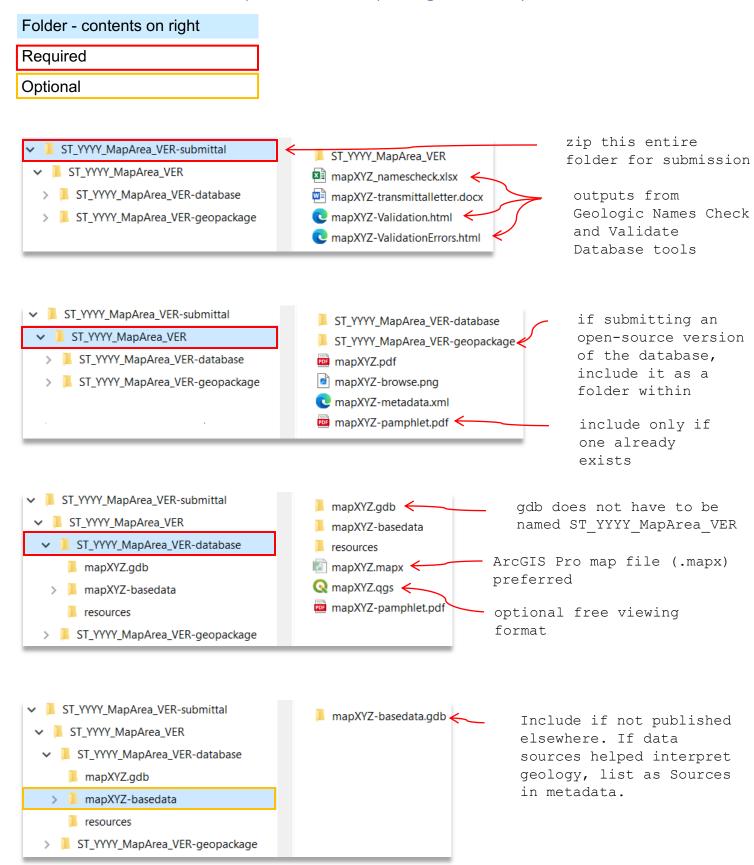
PATH/NAME (relative to .zip file)

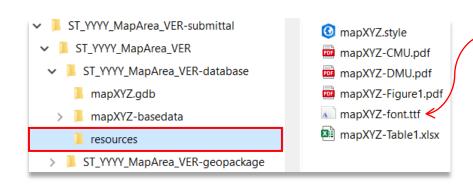
Submittal package

Jubilittal package	
REQUIRED	
☐ Map data and publication folder (described below)	
☐Transmittal letter	
□Validation.html from Validate Database tool	
☐ ValidationErrors.html from Validate Database tool	
☐ Report from Geologic Names Check tool	
Map data and publication folder	
REQUIRED	
☐ Map graphic (see <u>Requirements</u>)	
☐FGDC-compliant metadata in valid XML	
☐ Map database folder (described below)	
AS NEEDED	
☐ Map pamphlet	
OPTIONAL	
☐Other open-source format folder, e.g.,	
GeoPackage, KML	
Map database folder	
REQUIRED	
☐.gdb file geodatabase	
☐.mapx preferred (see <u>Requirements</u>)	
☐Resources folder (described below)	
AS NEEDED	
☐ Map pamphlet	
☐ Base data folder (see <u>Requirements</u>)	
OPTIONAL	
☐ files for viewing data with free software, e.g., KML	
files, QGIS project, etc.	
Resources folder	
REQUIRED	
☐ Symbology as stylex, lyrx, mapx, etc	
AS NEEDED	
☐ CMU graphic (include only if not present in any	
other element)	
☐ Figures (numbered as in report)	
☐ Tables (numbered as in report)	
OPTIONAL Formatted DMII or I MII document	
THEOLOGICAL POLICY OF THAT CONTINUES	

¹Standard fonts are those installed with ArcMap or ArcGIS Pro, any of the FGDCGeo special symbol fonts. Check the distributor's licensing for any restrictions on use or sharing of other fonts.

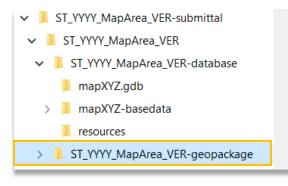
Screenshots from an example submission package directory tree

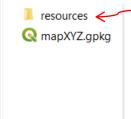




see the footnote
below checklist about
fonts

figures and tables should be machine parseable not rasters - if not already formatted as such in mapXYZ-pamphlet.pdf





include necessary resources
in whatever organization
makes sense

Further guidance from U.S. Geological Survey National Cooperative Geologic Mapping Program, 2020, GeMS (Geologic Map Schema)—A standard format for the digital publication of geologic maps: U.S. Geological Survey Techniques and Methods, book 11, chap. B10, 74 p., https://doi.org/10.3133/tm11B10.

Elements of map publication, database archive, and Resources folder. Please note that certain elements noted in this USGS publication are no longer required (e.g., the shapefile). Therefore, please refer to the <u>Requirements</u> document for the current guidance and requirements.

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Table 3. Elements of a digital geologic map publication named "mapXYZ".

[Abbreviation: FGDC, Federal Geographic Data Committee]

Filename	Comments	
Required elements		
mapXYZ.pdf	Map graphic (high resolution; publication quality)	
mapXYZ-browse.png (or .jpg, .tif)	Browse graphic or thumbnail of map (should be a small file)	
mapXYZ-metadata.xml	FGDC-compliant metadata for the overall map publication; additional inclusion of metadata in a more readable form (for example, .txt, .html) as a supplementary file is recommended	
mapXYZ-gdb.zip	Zip archive containing the map database and other elements of the digital data package (see table 4 below for contents)	
mapXYZ-open.zip	Open shapefile version of database (see "Shapefile Version of the Database" section below for contents)	
As-needed elements		
mapXYZ-pamphlet.pdf	Map pamphlet (fully formatted; publication quality)	

Table 4. Required, as-needed, and optional contents of the zip archive (that is, the "mapXYZ-gdb.zip" file) that contains the database and other elements of the digital data package for a geologic map publication named "mapXYZ".

[Abbreviation: FGDC, Federal Geographic Data Committee]

Filename	Comments	
Required contents		
mapXYZ.gdb (folder)	Folder that constitutes the map database	
mapXYZ.mxd	ArcMap document stored using relative pathnames and including relevant macros	
mapXYZ-metadata.xml	FGDC-compliant metadata for the overall map publication (copy of file referenced in table 3 above)	
resources (folder)	Folder of digital resources that accompanies map database in a digital geologic map publication (see table 5 below for contents)	
As-needed contents		
mapXYZ-pamphlet.pdf	Map pamphlet (copy of file referenced in table 3 above)	
mapXYZ-base.gdb (folder)	Folder with base-map data (required if not published elsewhere)	
Optional contents		
mapXYZ.pmf	ArcReader document	

Table 5. Required, as-needed, and optional contents of the resources folder that accompanies the database in a digital geologic map publication named "mapXYZ".

[Abbreviation: FGDC, Federal Geographic Data Committee]

Filename	Comments	
Required contents		
mapXYZ.style	ArcGIS .style file that contains the area, line, and point symbols used to symbolize the map. Must include all symbols specified in database. It is recommended that the .style contain a subset of the symbols in the FGDC cartographic standard; please see Resources on the GeMS website (https://ngmdb.usgs.gov/Info/standards/GeMS/) for a suggested master .style file. Note that a .style file is not necessary if Esri cartographic representations are encoded in the database itself	
fonts (.ttf or .otf files)	All nonstandard font files that are used for special characters or are referenced by the line or point symbols in the .style file	
As-needed contents		
CMU (as .pdf or .png file)	Graphic representation of the Correlation of Map Units (CMU) diagram. Needed only if (1) CMU is present in report and (2) CMU is not encoded within the map database	
figures (.png, .pdf, .jpeg, .gif, or .tif files)	Must be numbered as in report; may be included as individual files or gathered into a folder	
tables (.dbf, .ods, .xls, or other file formats)	Must be numbered as in report; may be included as individual tables or gathered into a folder	
Optional contents		
DMU (as .pdf or .docx file)	Additional document for Description of Map Units (DMU) (fully formatted, including headings)	