

README for Indiana Geological and Water Survey Quaternary Geology of the Washington-Jasper Area

TITLE:

WashJasper_QG - Washington Jasper Quaternary Geology

ABSTRACT:

WashJasper_QG - Quaternary Geology of the Washington-Jasper Area is an Esri File Geodatabase that contains one feature data set with six feature classes, and five geodatabase tables detailing the quaternary geology of the Washington-Jasper Area. This data set conforms to "GeMS (Geologic Map Schema)--a standard format for the digital publication of geologic maps." For more information on GeMS please refer to the supplemental information within this metadata.

PURPOSE:

WashJasper_QG - Quaternary Geology of the Washington-Jasper Area was created to present basic quaternary geologic information that contributes to the characterization of potential aggregate resources, characterization of bedrock aquifer systems, and analysis of the overlying predominantly glacial deposits. This map is based on data compiled from project field observations and project exploratory borings, complemented with IGWS cartographic (e.g., Gray, 1989) and archive borehole data, select IDNR water well logs, and United States Department of Agriculture soil survey maps. Expert knowledge of fluvial, glacialfluvial and ice marginal environments was used to draw contacts between units. This database is, in large part, the result of a cooperative mapping agreement between the U.S. Geological Survey (USGS) and the Indiana Geological and Water Survey through the STATEMAP program of the USGS.

SUPPLEMENTARY INFORMATION:

WashJasper_QG is a composite geodata set that conforms to "GeMS (Geologic Map Schema)--a standard format for the digital publication of geologic maps," available at <http://ngmdb.usgs.gov/Info/standards/GeMS/>, and consists of the below files and folders

PROJECTION AND DATUM:

All data is in North American Datum 1983 with Universal Traverse Mercator (UTM) projection, zone 16, North.

ARCGIS PRO MAP DOCUMENT:

WashJasper_QG.aprx (ArcGIS Pro 3.1.2)

ESRI GEODATABASES:

WashJasper_QG.gdb
WashJasper_QG-resources.gdb

GEMS VALIDATION FILES:

WashJasper_QG.gdb-Validation.html (File)
WashJasper_QG.gdb-ValidationErrors.html (File)
WashJasper_QG_namescheck.xlsx (File)
WashJasper_QG_style.stylx (ArcPRO Style File)

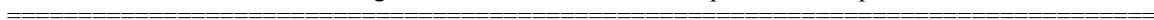
GEMS GEODATABASES:

The GeMS compliant database contents are described below.
WashJasper_QG.gdb.....(Geodatabase)

GeologicMap.....	(Feature data set)
<hr/>	
BoreholesText.....	(Annotation feature class)
GeochronPointsText.....	(Annotation feature class)
GenericPoints.....	(Point feature class)
GeochronPoints.....	(Point feature class)
Stations.....	(Point feature class)
ContactsAndFaults.....	(Polyline feature class)
GeologicLines.....	(Polyline feature class)
MapUnitPolys.....	(Polygon feature class)
<hr/>	
DataSources.....	(Non-spatial table)
DescriptionOfMapUnits.....	(Non-spatial table)
GeoMaterialDict.....	(Non-spatial table)
Glossary.....	(Non-spatial table)
MapInformation.....	(Non-spatial table)

METADATA:

Metadata files are valid for both the geodatabase feature classes and open-access shapefiles.



WashJasper_QG-metadata.xml.....(Geodatabase level FGDC-compliant metadata)

OPEN-ACCESS VERSIONS:

To improve access to this product, open-access and simple version folders of these data are included with this release. Some field names may have been truncated when converting from geodatabase feature classes to shapefiles. These files are available as a single zipped folder (IN_2021_WashJasper_2-0.zip)

GM_GenericPoints.shp.....(Shapefile)
GM_GeochronPoints.shp.....(Shapefile)
GM_Stations.shp.....(Shapefile)
GM_GeologicLines.shp.....(Shapefile)
GM_ContactsAndFaults.shp.....(Shapefile)
GM_MapUnitPolys.shp.....(Shapefile)

DataSources.txt.....(Non-spatial table)
DescriptionOfMapUnits.txt.....(Non-spatial table)
Glossary.txt.....(Non-spatial table)
GeoMaterialDict.txt.....(Non-spatial table)
MapInformation.txt.....(Non-spatial table)
logfile.txt.....(Non-spatial table)

DataSources.csv.....(Non-spatial table)
DescriptionOfMapUnits.csv.....(Non-spatial table)
Glossary.dbf.....(Non-spatial table)
GeoMaterialDict.csv.....(Non-spatial table)
MapInformation.csv.....(Non-spatial table)