README for Indiana Geological and Water Survey Bedrock Geologic Map of the Vincennes 30 x 60 Minute Quadrangle
TITLE:
Vincennes_BG_100k.gdb, GeMS compliant database for Vincennes 30 x 60 Minute Quadrangle

ABSTRACT:
The Bedrock Geologic Map of the Vincennes 30 x 60 Minute Quadrangle is an Esri File Geodatabase that contains one feature data set, and four geodatabase tables detailing the bedrock geology of the Vincennes 30 x 60 Minute Quadrangle. 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:
The Bedrock Geologic Map of the Vincennes 30 x 60 Minute Quadrangle was created to present basic bedrock 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 obtained from several thousand records including petroleum well drillers' logs, geophysical logs, water well drillers' logs, descriptions of cores recovered by the Indiana Geological Survey, seismic refraction records collected by the Indiana Geological Survey, natural exposures in and near the map area, and exposures in active and abandoned quarries. 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.

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

SUPPLEMENTARY INFORMATION:
Bedrock Geologic Map of the Vincennes 30 x 60 Minute Quadrangle 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

ARCGIS PRO MAP DOCUMENT:
Vincennes_BG_100k.aprx (ArcGIS Pro 3.0.3)

ESRI GEODATABASES:
Vincennes_BG_100k.gdb
Vincennes_BG_100k-resources.gdb

GEMS SUPPLEMENTAL AND RESOURCE FILES:
Vincennes_BG_100k.gdb-Validation.html (File)
Vincennes_BG_100k.gdb-ValidationErrors.html (File)
Vincennes_BG_100k_namescheck.xlsx (File)
Vincennes_BG_100k_style.stylx (ArcPRO Style File)

GEMS GEODATABASES:
The GeMS compliant database contents are described below.
Vincennes_BG_100k.gdb...............................(Geodatabase)
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   GeologicMap..(Feature data set)
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   ContactsAndFaults...................................(Polyline feature class)
   MapUnitPolys.......................................(Polygon feature class)
    ===

   DataSources..(Non-spatial table)
   DescriptionOfMapUnits..................................(Non-spatial table)
   GeoMaterialDict..(Non-spatial table)
   Glossary...(Non-spatial table)
   MiscellaneousMapInformation............................(Non-spatial table)
    ===

METADATA:

Metadata files are valid for both the geodatabase feature classes and open-access shapefiles.
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   Vincennes_BG_100k-metadata.xml................................(Geodatabase feature 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_Vincennes100k_2-0.zip)

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==================================================================================
    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)
    logfile.txt.................................................(Non-spatial table)
    MiscellaneousMapInformation.txt.............................(Non-spatial table)
==================================================================================
    DataSources.csv...........................................(Non-spatial table)
    DescriptionOfMapUnits.csv...................................(Non-spatial table)
    Glossary.dbf................................................(Non-spatial table)
    GeoMaterialDict.csv.........................................(Non-spatial table)
    MiscellaneousMapInformation.csv.............................(Non-spatial table)
```