README for Indiana Geological and Water Survey Quaternary Geology of the Indiana portions of the Chicago Quadrangle and the northern half of the Kankakee 30- by 60-minute Quadrangle

TITLE:
Quaternary Geology of the Indiana portions of the Chicago Quadrangle and the northern half of the Kankakee 30- by 60-minute Quadrangle

ABSTRACT:
Chicago_N_Kankakee_QG_100k is an Esri File Geodatabase that contains one feature data set with four feature classes, and five geodatabase tables detailing the quaternary geology of the Indiana portion of Chicago and northern half of Kankakee 30- x 60-minute Quadrangles. This data set conforms to "GeMS (Geologic Map Schema) â€“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 Chicago_N_Kankakee_QG_100k geodatabase was created to provide Quaternary geologic information of the map area, including the spatial distribution of map units and corresponding descriptions, locations of boreholes, geochronology data, and other geologic point and line features. These data contribute to the characterization of mineral and water resources related to Quaternary sediments in the Indiana portion of Chicago and northern half of Kankakee 30- x 60-minute Quadrangles. This geodatabase 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:
Projection: Universal Transverse Mercator (UTM), Zone 16N. Horizontal Datum: North American Datum of 1983 (NAD83).

SUPPLEMENTARY INFORMATION:
Chicago_N_Kankakee_QG_100k 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/. Metadata records associated with each element within the geodata set contain more detailed descriptions of their purposes, constituent entities, and attributes. An OPEN shapefile version of the data set is also available. It consists of shapefiles, DBF files, and delimited text files and retains all information in the native geodatabase, but some programming will likely be necessary to assemble these components into usable formats. These metadata were prepared with the aid of script GeMS_FGDCMetadata.py, version of 8/06/24, and consists of the below files and folders.

ESRI GEODATABASES:
The GeMS compliant database contents are described below.
Chicago_N_Kankakee_QG_100k.gdb.....(Geodatabase)
==========
GeologicMap.....(Feature data set)
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GenericPoints.....(Point feature class)
ContactsAndFaults.....(Polyline feature class)
GeologicLines.....(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)
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METADATA:
Metadata files are valid for both the geodatabase feature classes and open-access shapefiles.
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Chicago_N_Kankakee_QG_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.
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GM_GenericPoints.....(Shapefile)
GM_GeologicLines.....(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)
MiscellaneousMapInformation.txt.....(Non-spatial table)
==========
DataSources.csv.....(Non-spatial table)
DescriptionOfMapUnits.csv.....(Non-spatial table)
Glossary.csv.....(Non-spatial table)
GeoMaterialDict.csv.....(Non-spatial table)
MiscellaneousMapInformation.csv.....(Non-spatial table)