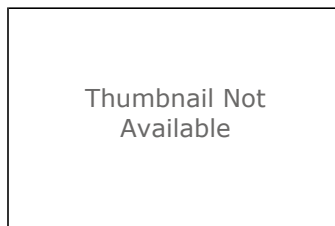


Bedrock Limited Data and Nonaquifer Areas for Orange County, Indiana

Shapefile



Tags

No data zone, water wells, bedrock aquifer, Indiana Department of Natural Resources (IDNR), Division of Water (DOW), Orange County, Indiana, USA

Summary

Display and/or analyses requiring spatial distribution of lack of static water levels in the bedrock aquifers of Orange County.

Description

This file is a digital geospatial polygon coverage of the lack of available aquifer static water level data within bedrock aquifers for Orange County in Indiana.

Credits

It is requested that the Indiana Department of Natural Resources, Division of Water be cited in any products generated from this data.

Use limitations

Acknowledgement of the following agency in products derived from these data: Indiana Department of Natural Resources, Division of Water. This map was compiled by staff of the Indiana Department of Natural Resources, Division of Water using data believed to be reasonably accurate. However, a degree of error is inherent in all maps. This product is distributed "as-is" without warranties of any kind, either expressed or implied. The maps are intended for use only at the published scale. The information on these media is proprietary to the State of Indiana, Indiana Department of Natural Resources, Division of Water. Any copying, adaptation, or distribution of these data without the express written consent of IDNR-DOW is discouraged. It is not recommended that these data be used for purposes other than general estimate of static water level elevations. Site specific conditions may vary considerably from mapped estimates.

Extent

West -86.684300 **East** -86.305846
North 38.689863 **South** 38.393236

Scale Range

Maximum (zoomed in) 1:50,000
Minimum (zoomed out) 1:5,000,000

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE geoscientificInformation

* CONTENT TYPE Downloadable Data

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

PLACE KEYWORDS Orange County, Indiana, USA

THEME KEYWORDS bedrock

THEME KEYWORDS static water level

THEME KEYWORDS groundwater

THEME KEYWORDS water wells

THEME KEYWORDS Indiana Department of Natural Resources (IDNR)

THEME KEYWORDS Division of Water (DOW)

[Hide Topics and Keywords ▲](#)

Citation ►

TITLE Bedrock Limited Data and Nonaquifer Areas for Orange County, Indiana

CREATION DATE 2019-05-01 00:00:00

PUBLICATION DATE 2019-08-06 00:00:00

EDITION 1

PRESENTATION FORMATS * digital map

SERIES

NAME Bedrock Potentiometric Surface Map

ISSUE PSM 89-B

OTHER CITATION DETAILS

This map was compiled from multiple unpublished work maps based on USGS quadrangles at 1:24,000 scale: Campbellsburg, Cuzco, French Lick, Georgia, Greenbrier, Hardinsburg, Hillham, Huron, Livonia, Mitchell, Paoli, and Valeene.

[Hide Citation ▲](#)

Citation Contacts ►

RESPONSIBLE PARTY

ORGANIZATION'S NAME Indiana Department of Natural Resources, Division of Water

CONTACT'S ROLE publisher

CONTACT INFORMATION ►

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DELIVERY POINT Indianapolis, Indiana, USA

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INDIVIDUAL'S NAME Robert K. Schmidt

CONTACT'S POSITION Resource Assessment Section

CONTACT'S ROLE originator

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COUNTRY US

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ONLINE RESOURCE

LOCATION www.in.gov/dnr/water/7256.htm

FUNCTION PERFORMED information

HOURS OF SERVICE

8:15am - 4:15pm M-F except Government Holidays

[Hide Contact information ▲](#)

[Hide Citation Contacts ▲](#)

Resource Details ►

DATASET LANGUAGES English (UNITED STATES)
DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

STATUS **completed**
SPATIAL REPRESENTATION TYPE * **vector**

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.5.1.7333

CREDITS

It is requested that the Indiana Department of Natural Resources, Division of Water be cited in any products generated from this data.

ARCGIS ITEM PROPERTIES

* NAME BED_Limited_Data_Nonaquifer_Orange_CO_IN
* SIZE 0.134
* LOCATION file:///\\dnrfilep02pw\DNRGIS_Working\!
Potentiometric_Finished\Orange\2_Shapefiles\FINAL_Map\BED_Limited_Data_Nonaquifer_Orange_CO_IN.shp
* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

DESCRIPTION
Extent used for searching

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE
WEST LONGITUDE -85.644456
EAST LONGITUDE -85.331288
SOUTH LATITUDE 40.998355
NORTH LATITUDE 41.189792
EXTENT CONTAINS THE RESOURCE Yes

EXTENT

DESCRIPTION
Publication Date

GEOGRAPHIC EXTENT

GEOGRAPHIC DESCRIPTION
DESCRIPTION CONTAINS THE RESOURCE No

TEMPORAL EXTENT

DATE AND TIME 2019-05-01 00:00:00

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE
EXTENT TYPE Extent used for searching
* WEST LONGITUDE -86.684300
* EAST LONGITUDE -86.305846
* NORTH LATITUDE 38.689863
* SOUTH LATITUDE 38.393236
* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 527568.375166
* EAST LONGITUDE 560371.249564
* SOUTH LATITUDE 4249673.000124
* NORTH LATITUDE 4282408.926553
* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)**Resource Points of Contact ►**

POINT OF CONTACT

ORGANIZATION'S NAME Indiana Department of Natural Resources Division of Water

INDIVIDUAL'S NAME Robert K. Schmidt

CONTACT'S POSITION Resource Assessment Section

CONTACT'S ROLE point of contact

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ONLINE RESOURCE

LOCATION www.in.gov/dnr/water/7256.htm

FUNCTION PERFORMED download

HOURS OF SERVICE

8:15am - 4:15pm M-F except Government Holidays

[Hide Contact information ▲](#)[Hide Resource Points of Contact ▲](#)**Resource Maintenance ►**

RESOURCE MAINTENANCE

UPDATE FREQUENCY not planned

[Hide Resource Maintenance ▲](#)**Resource Constraints ►**

CONSTRAINTS

LIMITATIONS OF USE

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LEGAL CONSTRAINTS

LIMITATIONS OF USE

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ACCESS CONSTRAINTS other restrictions

OTHER CONSTRAINTS

This file is available to anyone, but access may be contingent on written request, specific terms relevant to the agency or person making the request, and/or current freedom of information statutes in the State of Indiana.

[Hide Resource Constraints](#) ▲

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

```
* TYPE      Projected
* GEOGRAPHIC COORDINATE REFERENCE  GCS_North_American_1983
* PROJECTION  NAD_1983_UTM_Zone_16N
* COORDINATE REFERENCE DETAILS
  PROJECTED COORDINATE SYSTEM
    WELL-KNOWN IDENTIFIER  26916
    X ORIGIN      -5120900
    Y ORIGIN      -9998100
    XY SCALE      450445547.3910538
    Z ORIGIN      -100000
    Z SCALE      10000
    M ORIGIN      -100000
    M SCALE      10000
    XY TOLERANCE  0.001
    Z TOLERANCE  0.001
    M TOLERANCE  0.001
    HIGH PRECISION  true
    LATEST WELL-KNOWN IDENTIFIER  26916
    WELL-KNOWN TEXT  PROJCS["NAD_1983_UTM_Zone_16N",GEOGCS["GCS_North_American_1983",DATUM
["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT
["Degree",0.0174532925199433]],PROJECTION["Transverse_Mercator"],PARAMETER
["False_Easting",500000.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",-87.0],PARAMETER
["Scale_Factor",0.9996],PARAMETER["Latitude_Of_Origin",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",26916]]
```

REFERENCE SYSTEM IDENTIFIER

```
* VALUE  26916
* CODESPACE  EPSG
* VERSION  6.13(3.0.1)
```

[Hide Spatial Reference](#) ▲

Spatial Data Properties ►

VECTOR ►

```
* LEVEL OF TOPOLOGY FOR THIS DATASET  geometry only
```

GEOMETRIC OBJECTS

```
FEATURE CLASS NAME  BED_Limited_Data_Nonaquifer_Orange_CO_IN
* OBJECT TYPE      composite
* OBJECT COUNT      5
```

[Hide Vector](#) ▲

ARCGIS FEATURE CLASS PROPERTIES ►

```
FEATURE CLASS NAME  BED_Limited_Data_Nonaquifer_Orange_CO_IN
* FEATURE TYPE      Simple
* GEOMETRY TYPE      Polygon
* HAS TOPOLOGY      FALSE
* FEATURE COUNT      5
* SPATIAL INDEX      TRUE
* LINEAR REFERENCING  FALSE
```

[Hide ArcGIS Feature Class Properties](#) ▲

[Hide Spatial Data Properties](#) ▲

Data Quality ►

SCOPE OF QUALITY INFORMATION ►

```
RESOURCE LEVEL  dataset
```

[Hide Scope of quality information ▲](#)

DATA QUALITY REPORT - COMPLETENESS OMISSION ►

MEASURE DESCRIPTION

In conducting the mapping, the author(s) evaluated hundreds of water well records, especially those having relatively complete information on well location, static water level, well depth, ground elevation, and lithology. This layer is based on areas in the county with sparse information because of lack of well records or incomplete records, or poorly producing aquifers.

[Hide Data quality report - Completeness omission ▲](#)

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY ►

MEASURE DESCRIPTION

The layer was created after a thorough documentation of well locations and water well record details.

[Hide Data quality report - Quantitative attribute accuracy ▲](#)

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY ►

MEASURE DESCRIPTION

The locations of many wells were field checked and the locations posted on 7.5 minute topographic maps. Visual confirmation of wells was not always possible. Many locations were based only on the street address, driving directions, or other location information provided on the well record.

[Hide Data quality report - Absolute external positional accuracy ▲](#)

[Hide Data Quality ▲](#)

Lineage ►

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2019-05-01 00:00:00

DESCRIPTION

Coverage was selected by careful evaluation of the lack of water well records within an area by determine a minimum of one mile from available data. Using field located wells that contained complete and reasonable information a half mile buffer was applied. Areas outside of the compiled buffer were considered a no data zone and delineated as such.

PROCESS CONTACT

ORGANIZATION'S NAME Indiana Department of Natural Resources Division of Water

INDIVIDUAL'S NAME Robert K. Schmidt

CONTACT'S POSITION Resource Assessment Section

CONTACT'S ROLE processor

CONTACT INFORMATION ►

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COUNTRY US

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ONLINE RESOURCE

LOCATION www.in.gov/dnr/water/7256.htm

FUNCTION PERFORMED download

[Hide Contact information ▲](#)[Hide Process step ▲](#)**SOURCE DATA ▶****DESCRIPTION**

Water well records from the IDNR-DOW well record database; USGS topography maps; various consultant geotechnical reports

[Hide Source data ▲](#)[Hide Lineage ▲](#)**Distribution ▶****DISTRIBUTOR ▶****CONTACT INFORMATION**

ORGANIZATION'S NAME Indiana Department of Natural Resources Division of Water
 INDIVIDUAL'S NAME Robert K. Schmidt
 CONTACT'S POSITION Resource Assessment Section
 CONTACT'S ROLE originator

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 POSTAL CODE 46204
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ONLINE RESOURCE

LOCATION www.in.gov/dnr/water/7256.htm
 FUNCTION PERFORMED download

HOURS OF SERVICE

8:15am - 4:15pm M-F except Government Holidays

[Hide Contact information ▲](#)[Hide Distributor ▲](#)**DISTRIBUTION FORMAT**

* NAME Shapefile

TRANSFER OPTIONS

UNITS OF DISTRIBUTION Shapefile
 * TRANSFER SIZE 0.134

ONLINE SOURCE

LOCATION <http://www.in.gov/dnr/water/7256.htm>
 DESCRIPTION Data and Maps

[Hide Distribution ▲](#)**Fields ▶****DETAILS FOR OBJECT BED_Limited_Data_Nonaquifer_Orange_CO_IN ▶**

* TYPE Feature Class

* ROW COUNT 5

DEFINITION

No Data Limited Aquifer Zone

DEFINITION SOURCE

Robert K. Schmidt

FIELD FID ►

- * ALIAS FID
- * DATA TYPE OID
- * WIDTH 4
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Internal feature number.
- * DESCRIPTION SOURCE
Esri
- * DESCRIPTION OF VALUES
Sequential unique whole numbers that are automatically generated.

Hide Field FID ▲

FIELD Shape ►

- * ALIAS Shape
- * DATA TYPE Geometry
- * WIDTH 0
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION
Feature geometry.
- * DESCRIPTION SOURCE
ESRI
- * DESCRIPTION OF VALUES
Coordinates defining the features.

Hide Field Shape ▲

FIELD Zone ►

- * ALIAS Zone
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

*Hide Field Zone ▲**Hide Details for object BED_Limited_Data_Nonaquifer_Orange_CO_IN ▲**Hide Fields ▲***Metadata Details ►**

METADATA LANGUAGE English (UNITED STATES)

METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset

SCOPE NAME * dataset

* LAST UPDATE 2019-08-20

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
 STANDARD OR PROFILE USED TO EDIT METADATA FGDC
 METADATA STYLE FGDC CSDGM Metadata

CREATED IN ARCGIS FOR THE ITEM 2018-05-17 11:52:11
 LAST MODIFIED IN ARCGIS FOR THE ITEM 2019-08-20 10:53:54

AUTOMATIC UPDATES
 HAVE BEEN PERFORMED Yes
 LAST UPDATE 2019-08-20 10:50:03

ITEM LOCATION HISTORY
 ITEM COPIED OR MOVED 2019-02-05 12:14:01
 FROM S:\Orange\2_Shapefiles\BED_Limited_Data_Nonaquifer_Orange_CO_IN
 TO \\dnr\fp02pw\DNRGIS_Working\!
 Potentiometric_Finished\Orange\2_Shapefiles\Shapefiles_FINAL_Map\BED_Limited_Data_Nonaquifer_Orange_CO_IN

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT
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 INDIVIDUAL'S NAME Robert K. Schmidt
 CONTACT'S POSITION Resource Assessment Section
 CONTACT'S ROLE originator

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 CITY Indianapolis
 ADMINISTRATIVE AREA Indiana
 POSTAL CODE 46204
 COUNTRY US
 E-MAIL ADDRESS rschmidt@dnr.in.gov

ONLINE RESOURCE
 LOCATION www.in.gov/dnr/water/7256.htm
 FUNCTION PERFORMED information

HOURS OF SERVICE
 8:15am - 4:15pm M-F except Government Holidays

[Hide Contact information ▲](#)

METADATA CONTACT
 ORGANIZATION'S NAME Robert K. Schmidt, IDNR Division of Water, Resource Assessment Section

[Hide Metadata Contacts ▲](#)

Metadata Maintenance ►

MAINTENANCE
 UPDATE FREQUENCY not planned

[Hide Metadata Maintenance ▲](#)

Metadata Constraints ►

LEGAL CONSTRAINTS
 ACCESS CONSTRAINTS other restrictions

OTHER CONSTRAINTS
 Access constraints: This metadata file is intended to accompany the subject geospatial set. This file may be updated, and the most recent version is available by contacting the IDNR Division of Water.

[Hide Metadata Constraints ▲](#)

FGDC Metadata (read-only) ▼