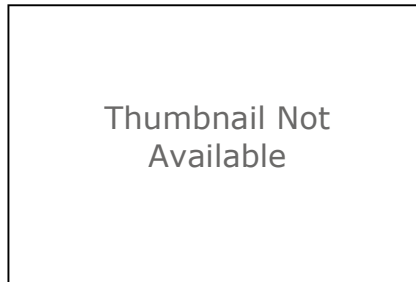


Limited Bedrock Aquifer Data and Nonaquifer Areas for Rush County, IN

Shapefile



Tags

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

Summary

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

Description

This file is a digital geospatial polygon coverage of the lack of available aquifer static water level data within bedrock aquifers for Rush County in Indiana. This includes areas lacking in data, in non-productive bedrock layers, and/or covered by more prolific unconsolidated deposits that limit the necessity to complete wells in bedrock.

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	-85.630526	East	-85.289289
North	39.791881	South	39.449293

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

PLACE KEYWORDS Rush 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 Limited Bedrock Aquifer Data and Nonaquifer Areas for Rush County, IN

CREATION DATE 2014-07-01 00:00:00

PUBLICATION DATE 2014-07-01 00:00:00

EDITION 1

PRESENTATION FORMATS *digital map

SERIES

NAME Bedrock Potentiometric Surface Map

ISSUE PSM 42-B

OTHER CITATION DETAILS

This map was compiled from multiple unpublished work maps based on USGS quadrangles at 1:24,000 scale: ADAMS, CARTHAGE, CLARKSBURG, CLEVELAND, DUNREITH, FALMOUTH, KNIGHTSTOWN, LEWISVILLE, MANILLA, MAYS, MILROY, MORRISTOWN, NEW SALEM, RAYS CROSSING, RUSHVILLE, and WALDRON

Hide Citation ▲

Citation Contacts ►

RESPONSIBLE PARTY

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

CONTACT'S ROLE publisher

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DELIVERY POINT Indianapolis, Indiana, USA

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CONTACT'S POSITION Resource Assessment Section

CONTACT'S ROLE originator

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COUNTRY US

E-MAIL ADDRESS gkorinek@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 ▲](#)

[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 Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 3; Esri ArcGIS 10.2.0.3348

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_Rush

*SIZE 0.212

*LOCATION file:///iotfilp19pw\dnr\dow\TS\Water_Resources_and_Rights\! Potentiometric\Rush\1_Web_Products\Zip_Products\BED_Limited_Data_Nonaquifer_Rush.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

TEMPORAL EXTENT

DATE AND TIME 2014-07-01 00:00:00

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

*WEST LONGITUDE -85.630526

*EAST LONGITUDE -85.289289

*NORTH LATITUDE 39.791881

*SOUTH LATITUDE 39.449293

*EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

*WEST LONGITUDE 617826.327675
*EAST LONGITUDE 646481.532200
*SOUTH LATITUDE 4368019.983864
*NORTH LATITUDE 4405564.169800
*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 Ginger C. Korinek
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 8.1.1

[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►

*LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME BED_Limited_Data_Nonaquifer_Rush

*OBJECT TYPE composite

*OBJECT COUNT 6

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME BED_Limited_Data_Nonaquifer_Rush

*FEATURE TYPE Simple

*GEOMETRY TYPE Polygon

*HAS TOPOLOGY FALSE

*FEATURE COUNT 6

*SPATIAL INDEX FALSE

*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 2014-06-02 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 Ginger C. Korinek
CONTACT'S POSITION Resource Assessment Section
CONTACT'S ROLE processor

CONTACT INFORMATION ►

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COUNTRY US

E-MAIL ADDRESS gkorinek@dnr.in.gov

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 ▲

Geoprocessing history ►

Hide Geoprocessing history ▲

Distribution ►

DISTRIBUTOR ►

CONTACT INFORMATION

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

INDIVIDUAL'S NAME Ginger C. Korinek

CONTACT'S POSITION Resource Assessment Section

CONTACT'S ROLE originator

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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 0.212

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_Rush** ►

*TYPE Feature Class

*ROW COUNT 6

DEFINITION

No Data Zone

DEFINITION SOURCE

Ginger C. Korinek

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 30
- *PRECISION 0
- *SCALE 0
- FIELD DESCRIPTION
Definition of zone was based on the limited amount of data or type of aquifer found

DESCRIPTION SOURCE

Author

[Hide Field Zone ▲](#)

[Hide Details for object BED_Limited_Data_Nonaquifer_Rush ▲](#)

[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 2014-08-27

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

METADATA STYLE FGDC CSDGM Metadata

STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS FOR THE ITEM 2014-08-15 13:12:09

LAST MODIFIED IN ARCGIS FOR THE ITEM 2014-08-27 09:57:59

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2014-08-27 09:57:59

ITEM LOCATION HISTORY

ITEM COPIED OR MOVED 2014-08-05 14:06:12

FROM J:\!Potentiometric\Rush\6_Reviews\Review Files\Review 2\BED_NoData_RUSH_V4

TO \\iotfilp19pw\dnr\dow\TS\Water_Resources_and_Rights\!

Potentiometric\Rush\6_Reviews\Review Files\BED_NoData_RUSH_V4

[Hide Metadata Details ▲](#)

Metadata Contacts ►

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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 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) ▼