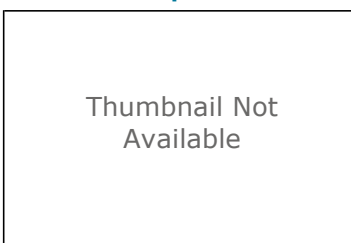


# Bedrock Limited Data and Nonaquifer Areas for Pike County, Indiana

## Shapefile



## Tags

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

## Summary

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

## Description

This file is a digital geospatial polygon coverage of the lack of available aquifer static water level data within bedrock aquifers for Pike 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** -87.463617 **East** -87.071990  
**North** 38.552559 **South** 38.230332

## 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 Pike 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 Pike County, Indiana  
 CREATION DATE 2018-05-01 00:00:00  
 PUBLICATION DATE 2018-09-13 00:00:00

EDITION 1

PRESENTATION FORMATS \* digital map

### SERIES

NAME Bedrock Potentiometric Surface Map  
 ISSUE PSM 81-B

### OTHER CITATION DETAILS

This map was compiled from multiple unpublished work maps based on USGS quadrangles at 1:24,000 scale: Augusta, Folsomville, Francisco, Glendale, Holland, Iona, Lynnvillle, Monroe City, Oakland City, Otwell, Petersburg, Sandy Hook, Union, Velpen, and Winslow.

[Hide Citation ▲](#)

## Citation Contacts ►

### RESPONSIBLE PARTY

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

### CONTACT INFORMATION ►

#### ADDRESS

DELIVERY POINT Indianapolis, Indiana, USA

[Hide Contact information ▲](#)

### RESPONSIBLE PARTY

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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 ADMINISTRATIVE AREA Indiana

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 COUNTRY US  
 E-MAIL ADDRESS [rschmidt@dnr.in.gov](mailto:rschmidt@dnr.in.gov)

ONLINE RESOURCE  
 LOCATION [www.in.gov/dnr/water/7256.htm](http://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 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.6.1.9270

### 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\_Pike\_Co\_IN  
 \* SIZE 0.125  
 \* LOCATION file:///\\dnr\filp02pw\DNRGIS\_Working!\Potentiometric\_Finished\Pike\2\_Shapefiles\Shapefiles\_FINAL\_Map\BED\_Limited\_Data\_Nonaquifer\_Pike\_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 2018-05-01 00:00:00

### EXTENT

GEOGRAPHIC EXTENT

## BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching  
 \* WEST LONGITUDE -87.463617  
 \* EAST LONGITUDE -87.071990  
 \* NORTH LATITUDE 38.552559  
 \* SOUTH LATITUDE 38.230332  
 \* EXTENT CONTAINS THE RESOURCE Yes

## EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE 459602.375000  
 \* EAST LONGITUDE 493699.406300  
 \* SOUTH LATITUDE 4231472.000000  
 \* NORTH LATITUDE 4267128.000000  
 \* 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

## CONTACT INFORMATION ►

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 POSTAL CODE 46204  
 COUNTRY US  
 E-MAIL ADDRESS [rschmidt@dnr.in.gov](mailto:rschmidt@dnr.in.gov)

## ONLINE RESOURCE

LOCATION [www.in.gov/dnr/water/7256.htm](http://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

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.

#### LEGAL CONSTRAINTS

##### LIMITATIONS OF USE

The Indiana Department of Natural Resources, Division of Water has compiled this data set using data believed to be reasonably accurate. However, the Division makes no representation as to the accuracy, completeness, or usefulness of the data or data set. A degree of error is inherent in all maps. This map is intended for use only at the published scale. Reference to any specific commercial product, process, or service does not constitute an endorsement, recommendation, or favoring by the Division. Copyright 2018, Indiana Department of Natural Resources, Division of Water All Rights Reserved. Any copying, adaptation, or distribution of these data without the express written consent of the Indiana Department of Natural Resources, Division of Water is discouraged.

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\_Pike\_Co\_IN  
 \* OBJECT TYPE composite  
 \* OBJECT COUNT 1

[Hide Vector ▲](#)

#### ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME BED\_Limited\_Data\_Nonaquifer\_Pike\_Co\_IN  
 \* FEATURE TYPE Simple  
 \* GEOMETRY TYPE Polygon  
 \* HAS TOPOLOGY FALSE  
 \* FEATURE COUNT 1  
 \* 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 2018-05-01 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 ►

##### PHONE

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##### ADDRESS

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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 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 ►

#### PROCESS

##### PROCESS NAME

DATE 2018-09-12 08:38:20

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.6\ArcToolbox\Toolboxes\Analysis Tools.tbx\Clip

##### COMMAND ISSUED

Clip Pike\_Bed\_Wells\BED\_Limited\_Data\_Nonaquifer\_Pike\_Co "County  
 Boundaries\Pike\_County\_Boundary" \\state.in.us\file1  
 \DNR\HOME\RSchmidt\ArcGIS\Default.gdb\BED\_Limited\_Data\_CLIPPED #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

*Hide Geoprocessing history ▲*

## 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

## CONTACT INFORMATION ►

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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 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 0.125

## 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\_Pike\_Co\_IN ►

\* TYPE Feature Class

\* ROW COUNT 1

## 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\\_Pike\\_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 2018-09-13

## ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

METADATA STYLE FGDC CSDGM Metadata

STANDARD OR PROFILE USED TO EDIT METADATA INSPIRE

CREATED IN ARCGIS FOR THE ITEM 2018-09-12 08:47:54

LAST MODIFIED IN ARCGIS FOR THE ITEM 2018-09-13 12:12:49

## AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2018-09-13 11:28:37

## ITEM LOCATION HISTORY

ITEM COPIED OR MOVED 2018-08-14 07:37:39

FROM S:\Davies\2\_Shapefiles\Shapefiles\_FINAL\_Map\BED\_Limited\_Data\_Nonaquifer\_XXX ERASED

To \\dnr\ilp02pw\DNRGIS\_Working\  
 Potentiometric\_Finished\Pike\2\_Shapefiles\Shapefiles\_FINAL\_Map\BED\_Limited\_Data\_Nonaquifer\_XXX  
 ERASED

[Hide Metadata Details ▲](#)

## Metadata Contacts ►

### METADATA 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 originator

### CONTACT INFORMATION ►

#### PHONE

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#### ADDRESS

TYPE both  
 DELIVERY POINT 402 W Washington Street W264  
 CITY Indianapolis  
 ADMINISTRATIVE AREA Indiana  
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 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) ▼