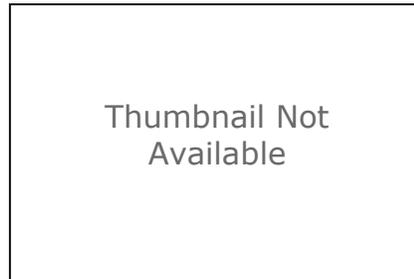


# Bedrock Limited Data and Nonaquifer Areas for Floyd County, Indiana

## Shapefile



## Tags

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

## Summary

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

## Description

This file is a digital geospatial polygon coverage of the lack of available aquifer static water level data within bedrock aquifers for Floyd 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** -86.035863    **East** -85.768983  
**North** 38.419140    **South** 38.178931

## 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 **Floyd 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 Floyd County, Indiana**

CREATION DATE **2017-11-01 00:00:00**

PUBLICATION DATE **2018-04-12 00:00:00**

EDITION **1**

PRESENTATION FORMATS **\* digital map**

SERIES

NAME **Bedrock Potentiometric Surface Map**

ISSUE **PSM 75-B**

OTHER CITATION DETAILS

This map was compiled from multiple unpublished work maps based on USGS quadrangles at 1:24,000 scale: Borden, Crandall, Georgetown, Lanesville, Louisville West, New Albany, Palmyra and Speed.

*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

## CONTACT INFORMATION ►

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TYPE both

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ADMINISTRATIVE AREA Indiana

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 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 10.5.1.7333

## 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\_Floyd\_Co\_IN

\* SIZE 0.053

\* LOCATION file://\\dnrfile02pw\DNRGIS\_Working\!

Potentiometric\_Finished\Floyd\1\_Web\_Products\BED\_Limited\_Data\_Nonaquifer\_Floyd\_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 2017-11-01 00:00:00

## EXTENT

## GEOGRAPHIC EXTENT

## BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

\* WEST LONGITUDE -86.035863

\* EAST LONGITUDE -85.768983

\* NORTH LATITUDE 38.419140

\* SOUTH LATITUDE 38.178931

\* EXTENT CONTAINS THE RESOURCE Yes

## EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE 584440.725500

\* EAST LONGITUDE 607467.487000

\* SOUTH LATITUDE 4226379.432300

\* NORTH LATITUDE 4252764.083000

\* 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 ▶

## PHONE

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 FAX (317) 233-4579

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 DELIVERY POINT 402 W Washington Street W264  
 CITY Indianapolis  
 ADMINISTRATIVE AREA Indiana  
 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

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## 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,

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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\_Floyd\_Co\_IN
- \* OBJECT TYPE composite
- \* OBJECT COUNT 1

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME BED\_Limited\_Data\_Nonaquifer\_Floyd\_Co\_IN  
 \* FEATURE TYPE Simple  
 \* GEOMETRY TYPE Polygon  
 \* HAS TOPOLOGY FALSE  
 \* FEATURE COUNT 1  
 \* 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 2017-11-01 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

VOICE (317) 234-1062

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TYPE both

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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 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

## CONTACT INFORMATION ▶

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 POSTAL CODE 46204  
 COUNTRY US  
 E-MAIL ADDRESS 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 Distributor* ▲

## DISTRIBUTION FORMAT

\* NAME Shapefile

## TRANSFER OPTIONS

UNITS OF DISTRIBUTION Shapefile  
 \* TRANSFER SIZE 0.053

## 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\\_Floyd\\_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 ▲*

FIELD Shape\_Leng ▶

- \* ALIAS Shape\_Leng
- \* DATA TYPE Double
- \* WIDTH 19
- \* PRECISION 0

\* SCALE 0

[Hide Field Shape\\_Leng ▲](#)

#### FIELD Shape\_Area ►

\* ALIAS Shape\_Area

\* DATA TYPE Double

\* WIDTH 19

\* PRECISION 0

\* SCALE 0

\* FIELD DESCRIPTION

Area of feature in internal units squared.

\* DESCRIPTION SOURCE

Esri

\* DESCRIPTION OF VALUES

Positive real numbers that are automatically generated.

[Hide Field Shape\\_Area ▲](#)

[Hide Details for object BED\\_Limited\\_Data\\_Nonaquifer\\_Floyd\\_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 2018-04-19

#### 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 2018-03-21 09:59:51

LAST MODIFIED IN ARCGIS FOR THE ITEM 2018-04-19 63:25:20

#### AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2018-04-19 06:30:01

[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** ▶

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POSTAL CODE 46204

COUNTRY US

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

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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 ▲](#)

## 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)** ▼