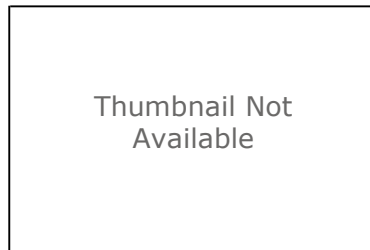


# Limited Bedrock Aquifer Data and Nonaquifer Areas for Posey County, Indiana

## Shapefile



## Tags

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

## Summary

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

## Description

This file is a digital geospatial polygon coverage of the lack of available aquifer static water level data within bedrock aquifers for Posey 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** -88.102103 **East** -87.684236  
**North** 38.232518 **South** 37.770518

## 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   Posey 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)

THEME KEYWORDS   No data or limited data or Nonaquifer material area

*Hide Topics and Keywords ▲*

## Citation ►

TITLE   Limited Bedrock Aquifer Data and Nonaquifer Areas for Posey County, Indiana

PUBLICATION DATE   2018-08-13   00:00:00

EDITION   1

EDITION DATE   2018-08-13

PRESENTATION FORMATS   \* digital map

SERIES

NAME   Bedrock Potentiometric Surface Map

ISSUE   PSM 80-B

OTHER CITATION DETAILS

This map was compiled from multiple unpublished work maps based on USGS quadrangles at 1:24,000 scale: Caborn, Cynthiana, Emma, Kasson, Maunie, Mount Vernon, New Harmony, Poseyville, Solitude, Uniontown, Wabash Island, Wadesville, and West Franklin.

*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   Glenn E. Grove

CONTACT'S POSITION   Resource Assessment Section

CONTACT'S ROLE    originator

CONTACT INFORMATION ►

PHONE

VOICE    (317) 232-4175

FAX    (317) 233-4579

ADDRESS

TYPE    both

DELIVERY POINT    402 W Washington Street W264

CITY    Indianapolis

ADMINISTRATIVE AREA    Indiana

POSTAL CODE    46204

COUNTRY    US

E-MAIL ADDRESS    [ggrove@dnr.in.gov](mailto:ggrove@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 7600) ; 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\_Posey\_Co\_IN

\* SIZE    0.179

\* LOCATION    file:///\\dnr\\filp02pw\\dnrgis\_working\\!

potentiometric\_finished\\Posey\\1\_Web\_Products\\BED\_Limited\_Data\_Nonaquifer\_Posey\_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

## EXTENT

### GEOGRAPHIC EXTENT

#### BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

\* WEST LONGITUDE -88.102103

\* EAST LONGITUDE -87.684236

\* NORTH LATITUDE 38.232518

\* SOUTH LATITUDE 37.770518

\* EXTENT CONTAINS THE RESOURCE Yes

### EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE 403539.062000

\* EAST LONGITUDE 439741.374800

\* SOUTH LATITUDE 4180918.750300

\* NORTH LATITUDE 4231838.000300

\* 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 Glenn E. Grove

CONTACT'S POSITION Resource Assessment Section

CONTACT'S ROLE point of contact

### CONTACT INFORMATION ►

#### PHONE

VOICE (317) 232-4175

FAX (317) 233-4579

#### ADDRESS

TYPE both

DELIVERY POINT 402 W Washington Street W264

CITY Indianapolis

ADMINISTRATIVE AREA Indiana

POSTAL CODE 46204

COUNTRY US

E-MAIL ADDRESS [ggrove@dnr.in.gov](mailto:ggrove@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 as needed

[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, 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\_Posey\_Co\_IN  
\* OBJECT TYPE composite  
\* OBJECT COUNT 3

[Hide Vector](#) ▲

#### ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME BED\_Limited\_Data\_Nonaquifer\_Posey\_Co\_IN  
\* FEATURE TYPE Simple  
\* GEOMETRY TYPE Polygon  
\* HAS TOPOLOGY FALSE  
\* FEATURE COUNT 3  
\* 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 ►

##### 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 Glenn E. Grove

CONTACT'S POSITION Resource Assessment Section

CONTACT'S ROLE processor

#### CONTACT INFORMATION ►

##### PHONE

VOICE (317) 234-1102

FAX (317) 232-4175

##### ADDRESS

TYPE both

DELIVERY POINT 402 W Washington Street W264

CITY Indianapolis

ADMINISTRATIVE AREA Indiana

POSTAL CODE 46204

COUNTRY US

E-MAIL ADDRESS [ggrove@dnr.in.gov](mailto:ggrove@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 Glenn E. Grove  
CONTACT'S POSITION Resource Assessment Section  
CONTACT'S ROLE originator

#### CONTACT INFORMATION ►

##### PHONE

VOICE (317) 234-1102  
FAX (317) 232-4175

##### ADDRESS

TYPE both  
DELIVERY POINT 402 W Washington Street W264  
CITY Indianapolis  
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E-MAIL ADDRESS [ggrove@dnr.in.gov](mailto:ggrove@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 0.179

### 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\_Posey\_Co\_IN ►

\* TYPE Feature Class  
\* ROW COUNT 3

#### DEFINITION

No Data Zone

#### DEFINITION SOURCE

Glenn E. Grove

### 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
- FIELD DESCRIPTION  
This layer is based on areas in the county with sparse information because of lack of well records, incomplete records, or poorly producing aquifers.

[Hide Field Zone ▲](#)

[Hide Details for object BED\\_Limited\\_Data\\_Nonaquifer\\_Posey\\_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 2018-08-24

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 2018-07-27 13:49:06  
LAST MODIFIED IN ARCGIS FOR THE ITEM 2018-08-24 08:24:02

AUTOMATIC UPDATES  
HAVE BEEN PERFORMED Yes  
LAST UPDATE 2018-08-24 08:24:02

ITEM LOCATION HISTORY  
ITEM COPIED OR MOVED 2018-05-16 15:02:53  
FROM S:\Posey\6\_Reviews\REVIEW DATA\PSM\_bedrock\_Posey\_review  
TO \\dnrfile02pw\dnrgis\_working\!potentiometric\_finished\Posey\6\_Reviews\REVIEW  
DATA\PSM\_bedrock\_Posey\_reviewCopy

[Hide Metadata Details ▲](#)

## Metadata Contacts ►

METADATA CONTACT  
ORGANIZATION'S NAME Indiana Department of Natural Resources Division of Water  
INDIVIDUAL'S NAME Glenn E. Grove  
CONTACT'S POSITION Resource Assessment Section  
CONTACT'S ROLE originator

CONTACT INFORMATION ►  
PHONE  
VOICE (317) 232-4175  
FAX (317) 233-4579

ADDRESS  
TYPE both  
DELIVERY POINT 402 W Washington Street W264  
CITY Indianapolis  
ADMINISTRATIVE AREA Indiana  
POSTAL CODE 46204  
COUNTRY US  
E-MAIL ADDRESS ggrove@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 Metadata Contacts ▲](#)

## Metadata Maintenance ►

MAINTENANCE  
UPDATE FREQUENCY as needed

[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) ▼**