

## Limited Unconsolidated Aquifer Data Area for Blackford County, Indiana

Shapefile

Thumbnail Not  
Available

### Tags

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

### Summary

Display and/or analyses requiring spatial distribution of potentiometric surface elevations in Blackford County, Indiana.

### Description

This file is a digital geospatial polygon coverage of the lack of available aquifer static water level data within unconsolidated aquifers for Blackford 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** -85.366079 **East** -85.198357  
**North** 40.569689 **South** 40.378115

### 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 Blackford County, Indiana, USA

THEME KEYWORDS Unconsolidated

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 Unconsolidated Aquifer Data Area for Blackford County, Indiana

CREATION DATE 2013-09-01 00:00:00

PUBLICATION DATE 2013-09-01 00:00:00

EDITION 1

PRESENTATION FORMATS \*digital map

### SERIES

NAME Unconsolidated Potentiometric Surface Map

ISSUE PSM 31-A

[OTHER CITATION DETAILS](#) This map was compiled from multiple unpublished work maps based on USGS quadrangles at 1:24,000 scale: Hartford City East, Hartford City West, Montpelier, Pennville, Petroleum, and Roll

[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](#) Ginger C. Korinek

[CONTACT'S POSITION](#) Resource Assessment Section

[CONTACT'S ROLE](#) originator

### CONTACT INFORMATION ►

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[TYPE](#) both

[DELIVERY POINT](#) 402 W Washington Street W264

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[ADMINISTRATIVE AREA](#) Indiana

[POSTAL CODE](#) 46204

[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 10.1.1.3143

### 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](#) UNC\_Limited\_Data-Nonaquifer\_Coverage\_Blackford

[\\*SIZE](#) 0.024

[\\*LOCATION](#) file:///\\iotfilp19pw\dnr\dow\TS\Water\_Resources\_and\_Rights\!

Potentiometric\Blackford\1\_Web\_Products\31\_Blackford\_Co\_PSM\_Shapefiles\UNC\_Limited\_Data-Nonaquifer\_Coverage\_Blackford.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 2013-09-01 00:00:00

#### EXTENT

##### GEOGRAPHIC EXTENT

##### BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

\*WEST LONGITUDE -85.366079

\*EAST LONGITUDE -85.198357

\*NORTH LATITUDE 40.569689

\*SOUTH LATITUDE 40.378115

\*EXTENT CONTAINS THE RESOURCE Yes

##### EXTENT IN THE ITEM'S COORDINATE SYSTEM

\*WEST LONGITUDE 638696.811171

\*EAST LONGITUDE 652511.519617

\*SOUTH LATITUDE 4471274.953177

\*NORTH LATITUDE 4492280.263450

\*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

#### CONTACT INFORMATION ►

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ADMINISTRATIVE AREA Indiana

POSTAL CODE 46204

COUNTRY US

E-MAIL ADDRESS gkorinek@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 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 7.11.2

Hide Spatial Reference ▲

Spatial Data Properties ►

VECTOR ►

\*LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME UNC\_Limited\_Data-Nonaquifer\_Coverage\_Blackford  
\*OBJECT TYPE composite  
\*OBJECT COUNT 2

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME UNC\_Limited\_Data-Nonaquifer\_Coverage\_Blackford  
\*FEATURE TYPE Simple  
\*GEOMETRY TYPE Polygon  
\*HAS TOPOLOGY FALSE  
\*FEATURE COUNT 2  
\*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. There were areas in the county with sparse information because of lack of well records or incomplete records.

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

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY ►

MEASURE DESCRIPTION The mapping was conducted 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 2013-08-01 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 one 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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CITY Indianapolis

ADMINISTRATIVE AREA Indiana

POSTAL CODE 46204

COUNTRY US

E-MAIL ADDRESS gkorinek@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

SOURCE CITATION ►

TITLE Potentiometric Surface Map of the Bedrock Aquifers of Whitley County, Indiana

CREATION DATE 2013-09-01 00:00:00  
PUBLICATION DATE 2013-09-01 00:00:00

EDITION 1

SERIES

NAME Bedrock Potentiometric Surface Map  
ISSUE PSM 27-B

RESPONSIBLE PARTY

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

RESPONSIBLE PARTY

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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POSTAL CODE 46204  
COUNTRY US  
E-MAIL ADDRESS gkorinek@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 Source citation ▲](#)

EXTENT OF THE SOURCE DATA

DESCRIPTION

Publication Date

TEMPORAL EXTENT

DATE AND TIME 2013-09-01 00:00:00

[Hide Source data ▲](#)

[Hide Lineage ▲](#)

Geoprocessing history ►

PROCESS

DATE 2013-10-22 09:59:24

TOOL LOCATION c:\program files\arcgis\desktop10.1\ArcToolbox\Toolboxes\Analysis Tools.tbx\Clip

COMMAND ISSUED

Clip UNC\_Limited\_Data-Nonaquifer\_Coverage\_BLACKFORD Blackford\_Boundary J:\!  
Potentiometric\Blackford\2\_Shapefiles\Shapefiles\_Misc\_Analytical\PSM\Uncon\UNC\_Limited\_Data-Nonaquifer\_Coverage\_BLACKFORD.shp  
#

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

DATE 2013-10-22 10:08:12

TOOL LOCATION c:\program files\arcgis\desktop10.1\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField UNC\_Limited\_Data-Nonaquifer\_Coverage\_BLACKFORD Zones " No Data/Limited Aquifer" VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

PROCESS

DATE 2013-10-25 12:09:23

TOOL LOCATION c:\program files\arcgis\desktop10.1\ArcToolbox\Toolboxes\Analysis Tools.tbx\Clip

COMMAND ISSUED

Clip UNC\_Limited\_Data-Nonaquifer\_Coverage\_BLACKFORD Blackford\_Boundary J:\!

Potentiometric\Blackford\2\_Shapefiles\Shapefiles\_FINAL\_Map\Blackford\_UNC\_No\_Data\_Area.shp #  
INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

#### PROCESS

DATE 2013-10-25 12:12:27

TOOL LOCATION c:\program files\arcgis\desktop10.1\ArcToolbox\Toolboxes\Analysis Tools.tbx\Clip

#### COMMAND ISSUED

Clip Blackford\_UNC\_No\_Data\_Area Blackford\_Boundary J:\!

Potentiometric\Blackford\2\_Shapefiles\Shapefiles\_FINAL\_Map\Blackford\_UNC\_No\_Data\_Area1.shp #

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 Ginger C. Korinek

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 gkorinek@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 0.024

#### ONLINE SOURCE

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

DESCRIPTION Data and Maps

[Hide Distribution ▲](#)

## Fields ►

#### DETAILS FOR OBJECT UNC\_Limited\_Data-Nonaquifer\_Coverage\_Blackford ►

\* TYPE Feature Class

\* ROW COUNT 2

##### 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 Zones ►

- \*ALIAS Zones
- \*DATA TYPE String
- \*WIDTH 50
- \*PRECISION 0
- \*SCALE 0

Hide Field Zones ▲

Hide Details for object UNC\_Limited\_Data-Nonaquifer\_Coverage\_Blackford ▲

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 2013-10-30

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0  
METADATA STYLE FGDC CSDGM Metadata

CREATED IN ARCGIS FOR THE ITEM 2013-10-30 08:35:30  
LAST MODIFIED IN ARCGIS FOR THE ITEM 2013-10-30 09:04:33

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes  
LAST UPDATE 2013-10-30 09:04:33

ITEM LOCATION HISTORY

ITEM COPIED OR MOVED 2013-10-30 08:35:30  
FROM J:\IPotentiometric\Blackford\2\_Shapefiles\FINAL\_Map\Blackford\_UNC\_No\_Data\_Area  
To \\iotfilp19pw\dnr\dow\TS\Water\_Resources\_and\_Rights\  
Potentiometric\Blackford\1\_Web\_Products\31\_Blackford\_Co\_PSM\_Shapefiles\Blackford\_UNC\_No\_Data\_Area

Hide Metadata Details ▲

Metadata Contacts ►

METADATA 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 originator



CONTACT INFORMATION ►

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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 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) ▼**