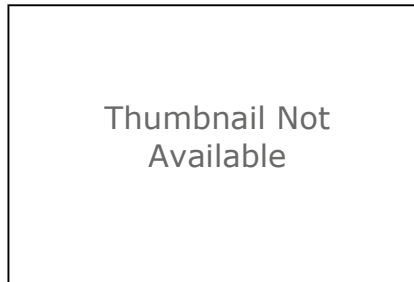


# Potentiometric Surface Map of the Unconsolidated Aquifers of Tipton County, Indiana

Shapefile



## Tags

Potentiometric surface, static water level, groundwater, water wells, water tables, unconsolidated, Indiana Department of Natural Resources (IDNR), Division of Water (DOW), Tipton County, Indiana, USA

## Summary

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

## Description

This file is a digital geospatial polyline coverage of the unconsolidated potentiometric surface elevations mapped for Tipton 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

<b>West</b>	-86.244841	<b>East</b>	-85.858398
<b>North</b>	40.409331	<b>South</b>	40.213557

## 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    Tipton County, Indiana, USA

THEME KEYWORDS    Unconsolidated

THEME KEYWORDS    potentiometric surface

THEME KEYWORDS    static water level

THEME KEYWORDS    groundwater

THEME KEYWORDS    water wells

THEME KEYWORDS    water table

THEME KEYWORDS    Indiana Department of Natural Resources (IDNR)

THEME KEYWORDS    Division of Water (DOW)

*Hide Topics and Keywords ▲*

### Citation ►

TITLE    Potentiometric Surface Map of the Unconsolidated Aquifers of Tipton County, Indiana

PUBLICATION DATE    2013-12-01 00:00:00

CREATION DATE    2013-12-01 00:00:00

EDITION    1

PRESENTATION FORMATS    digital map

FGDC GEOSPATIAL PRESENTATION FORMAT    vector digital data

#### SERIES

NAME    Unconsolidated Potentiometric Surface Map

ISSUE    PSM 36-A

#### OTHER CITATION DETAILS

This map was compiled from multiple unpublished work maps based on USGS quadrangles at 1:24,000 scale: ARCADIA, ELWOOD, FRANKTON, GREENTOWN, KEMPTON, KOKOMO EAST, KOKOMO WEST, OMEGA, POINT ISABEL, SHERIDAN, TIPTON, and WINDFALL.

[Hide Citation ▲](#)

## Citation Contacts ►

### 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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### 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 ▼

## Extents ►

### EXTENT

#### DESCRIPTION

publication date

#### TEMPORAL EXTENT

DATE AND TIME 2013-12-01 00:00:00

### EXTENT

## GEOGRAPHIC EXTENT

### BOUNDING RECTANGLE

EXTENT TYPE    Extent used for searching

\* WEST LONGITUDE    -86.244841

\* EAST LONGITUDE    -85.858398

\* NORTH LATITUDE    40.409331

\* SOUTH LATITUDE    40.213557

\* EXTENT CONTAINS THE RESOURCE    Yes

### EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE    564256.261900

\* EAST LONGITUDE    596867.986200

\* SOUTH LATITUDE    4452081.765000

\* NORTH LATITUDE    4473465.902900

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

FUNCTION PERFORMED    download

### HOURS OF SERVICE

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[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

## Resource Maintenance ►

### RESOURCE MAINTENANCE

UPDATE FREQUENCY   not planned

[Hide Resource Maintenance ▲](#)

## Resource Constraints ►

### 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 2013, 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.

#### OTHER CONSTRAINTS

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### CONSTRAINTS

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[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 UNC\_PSM\_TIPTON\_CO\_IN  
\*OBJECT TYPE composite  
\*OBJECT COUNT 18

*Hide Vector ▲*

#### ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME UNC\_PSM\_TIPTON\_CO\_IN  
\*FEATURE TYPE Simple  
\*GEOMETRY TYPE Polyline  
\*HAS TOPOLOGY FALSE  
\*FEATURE COUNT 18  
\*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    2013-10-01    00:00:00

DESCRIPTION

Data were selected by careful evaluation of water well records to determine if the wells

were field located and if they contained complete and reasonable information.

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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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 ▲*

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2013-11-01 00:00:00

DESCRIPTION

After selection of water well records was complete, specific well data and other maps and reports were considered in the mapping process. For example, ground elevation, static water level, well depth, aquifer top and bottom elevation and lithology were obtained from well records. Other maps and reports included regional potentiometric surface elevations, hydrogeologic settings, ground-water availability, bedrock topography, and surface topography.

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 owner



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ONLINE RESOURCE

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

FUNCTION PERFORMED download

*Hide Contact information ▲*

SOURCE DATA ►

RELATIONSHIP TO THE PROCESS STEP used

SOURCE CITATION ►

ALTERNATE TITLES IDNR-DOW water well records for domestic and other supply wells submitted by water well drillers from 1959-2012

*Hide Source citation ▲*

*Hide Source data ▲*

*Hide Process step ▲*

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2013-11-15 00:00:00

DESCRIPTION

Lines of equal potentiometric surface elevation were generated based on static elevation from selected data. Lines were generated and reviewed prior to publication.

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 point of contact

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##### 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

##### RESOLUTION OF THE SOURCE DATA

SCALE DENOMINATOR 48000

*Hide Source data ▲*

*Hide Lineage ▲*

## 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](http://www.in.gov/dnr/water/7256.htm)

FUNCTION PERFORMED download

*Hide Contact information ▲*

AVAILABLE FORMAT

NAME VPF

FILE DECOMPRESSION TECHNIQUE no compression applied

ORDERING PROCESS

DATE OF AVAILABILITY 2013-09-01 00:00:00

*Hide Distributor ▲*

DISTRIBUTION FORMAT

\*NAME Shapefile

TRANSFER OPTIONS

\*TRANSFER SIZE 0.109

ONLINE SOURCE

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

DESCRIPTION Data and Maps

*Hide Distribution ▲*

**Fields ►**

DETAILS FOR OBJECT [UNC\\_PSM\\_TIPTON\\_CO\\_IN ►](#)

\*TYPE Feature Class

\*ROW COUNT 18

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 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 Static\_E ►

\*ALIAS Static\_E

\*DATA TYPE SmallInteger

\*WIDTH 4

\*PRECISION 4

\*SCALE 0

FIELD DESCRIPTION

Potentiometric surface contours are developed and displayed here based on the static water levels from the unconsolidated aquifer systems with 10-foot contours and 50-foot index contours.

DESCRIPTION SOURCE

Author

*Hide Field Static\_E ▲*

[Hide Details for object UNC\\_PSM\\_TIPTON\\_CO\\_IN ▲](#)

[Hide Fields ▲](#)

## 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

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COUNTRY US

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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) ▼**