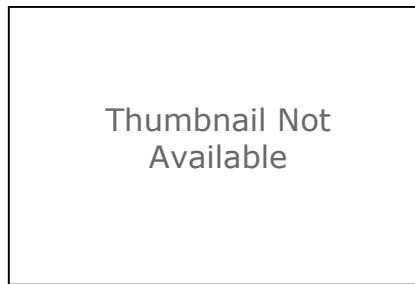


Potentiometric Surface Map of the Unconsolidated Aquifers of Ohio County, Indiana

Shapefile



Tags

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

Summary

Display and/or analyses requiring spatial distribution of potentiometric surface elevations in Ohio County.

Description

This file is a digital geospatial polyline coverage of the unconsolidated potentiometric surface elevations mapped for Ohio County, 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 any 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 the INDR-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	-84.880045	East	-84.838393
North	39.022606	South	38.930061

Scale Range

Maximum (zoomed in) 1:5,000

Minimum (zoomed out) 1:150,000,000

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 Ohio 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 Potentiometric Surface Map of the Unconsolidated Aquifers of Ohio County, Indiana

CREATION DATE 2017-07-24 00:00:00

PUBLICATION DATE 2017-11-01 00:00:00

EDITION 1

PRESENTATION FORMATS * digital map

SERIES

NAME Unconsolidated Potentiometric Surface Map

ISSUE PSM 72-A

OTHER CITATION DETAILS

This map was compiled from multiple unpublished work maps based on USGS quadrangles at 1:24,000 scale: Aberdeen, Aurora, Bear Branch, Cross Plains, Lawrenceburg, and Rising Sun.

Hide Citation ▲

Citation Contacts ►

RESPONSIBLE PARTY

ORGANIZATION'S NAME Indiana Department of Natural Resources

CONTACT'S ROLE publisher

CONTACT INFORMATION ►

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TYPE

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[Hide Contact information ▲](#)

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CONTACT'S POSITION Resource Assesment Section

CONTACT'S ROLE originator

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[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 UNC_PSM_Ohio_Co_IN

* SIZE 0.013

* LOCATION file:///\\iotisip01pa\dnrgis\$\\!

Potentiometric\Ohio\2_Shapefiles\Shapefiles_FINAL_Map\UNC_PSM_Ohio_Co_IN.shp

* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)**Extents ►**

EXTENT

DESCRIPTION

Extent used for searching

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -84.880045

* EAST LONGITUDE -84.838393

* NORTH LATITUDE 39.022606

* SOUTH LATITUDE 38.930061

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT

DESCRIPTION

Publication Date

TEMPORAL EXTENT

DATE AND TIME 2017-11-15 00:00:00

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 683758.242874

* EAST LONGITUDE 687128.963717

* SOUTH LATITUDE 4311231.199495

* NORTH LATITUDE 4321428.964338

* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)**Resource Points of Contact ►**

POINT OF CONTACT

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CONTACT'S ROLE point of contact

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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

ACCESS CONSTRAINTS other restrictions

OTHER CONSTRAINTS

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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  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  UNC_PSM_Ohio_Co_IN
* OBJECT TYPE  composite
* OBJECT COUNT  7

```

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►

```

FEATURE CLASS NAME  UNC_PSM_Ohio_Co_IN
* FEATURE TYPE  Simple
* GEOMETRY TYPE  Polyline
* HAS TOPOLOGY  FALSE
* FEATURE COUNT  7
* 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. 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 2017-06-26 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.

[Hide Process step ▲](#)

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2017-07-24 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, groundwater availability, bedrock topography, and surface topography.

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 Unconsolidated Potentiometric Surface Map Ohio County, Indiana

Hide Source citation ▲

Hide Source data ▲

Hide Lineage ▲

Geoprocessing history ►

PROCESS

PROCESS NAME

DATE 2017-11-29 13:21:04

TOOL LOCATION c:\program files (x86)\arcgis\desktop10.5\ArcToolbox\Toolboxes\Data Management Tools.tbx\CalculateField

COMMAND ISSUED

CalculateField UNC_PSM_Ohio_Co_IN Static_E [Id] VB #

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

Hide Geoprocessing history ▲

Distribution ►

DISTRIBUTOR ►

CONTACT INFORMATION

INDIVIDUAL'S NAME Kristiana E. Cox

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[Hide Contact information ▲](#)

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT

* NAME Shapefile

TRANSFER OPTIONS

* TRANSFER SIZE 0.013

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT [UNC_PSM_Ohio_Co_IN](#) ►

* TYPE Feature Class
 * ROW COUNT 7

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 Static_E ►

- * ALIAS Static_E
- * DATA TYPE Integer
- * WIDTH 6
- * PRECISION 6
- * SCALE 0

Hide Field Static_E ▲

Hide Details for object UNC_PSM_Ohio_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 2017-11-30

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 2017-10-31 15:38:13
LAST MODIFIED IN ARCGIS FOR THE ITEM 2017-11-30 10:06:31

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2017-11-30 09:49:09

ITEM LOCATION HISTORY

ITEM COPIED OR MOVED 2017-10-31 15:38:13
FROM M:\!Potentiometric\Ohio\3_Working\UNC_PSM_OHIO_CO_IN
TO \\iotisip01pa\dnrgis\$\!
Potentiometric\Ohio\2_Shapefiles\Shapefiles_FINAL_Map\UNC_PSM_OHIO_CO_IN

[Hide Metadata Details ▲](#)

Metadata Contacts ►

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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

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[Hide Metadata Constraints ▲](#)

FGDC Metadata (read-only) ▼