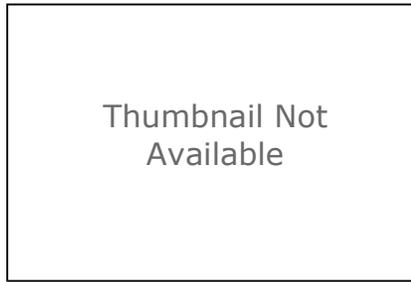


Potentiometric Surface Map of the Unconsolidated Aquifers of Clinton County, Indiana

Shapefile



Tags

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

Summary

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

Description

This file is a digital geospatial polyline coverage of the unconsolidated potentiometric surface elevations mapped for Clinton 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 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 -86.695847 **East** -86.239938
North 40.433254 **South** 40.175892

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 Clinton 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 Clinton County, Indiana

PUBLICATION DATE 2014-10-30 00:00:00

EDITION 1

PRESENTATION FORMATS digital map

SERIES

NAME Unconsolidated Potentiometric Surface Map

ISSUE PSM 45-A

OTHER CITATION DETAILS

This map was compiled from multiple unpublished work maps based on USGS quadrangles at 1:24,000 scale: Burlington, Colfax, Frankfort, Hillsburg, Kirklin, Mechanicsburg, Michigantown, Mulberry, Pyrmount, Rossville, Russiaville, and Thornton.

[Hide Citation ▲](#)

Citation Contacts ►

RESPONSIBLE PARTY

ORGANIZATION'S NAME Robert K. Schmidt, IDNR Division of Water, Resource Assessment Section

CONTACT'S ROLE originator

RESPONSIBLE PARTY

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

CONTACT'S ROLE publisher

CONTACT INFORMATION ►

ADDRESS

TYPE

DELIVERY POINT Indianapolis, Indiana, USA

[Hide Contact information ▲](#)

[Hide Citation Contacts ▲](#)

Resource Details ►

DATASET LANGUAGES Undetermined ()
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 10.2.0.3348

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_Clinton_Co_IN
* SIZE 0.584
* LOCATION file:///\\iotfilp19pw\dnr\dow\TS\Water_Resources_and_Rights\!
Potentiometric\Clinton\1_Web_Products\Zip_Products\UNC_PSM_Clinton_Co_IN.shp
* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching
* WEST LONGITUDE -86.695847
* EAST LONGITUDE -86.239938
* NORTH LATITUDE 40.433254
* SOUTH LATITUDE 40.175892
EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 525894.906000
* EAST LONGITUDE 564469.059100
* SOUTH LATITUDE 4447554.595100
* NORTH LATITUDE 4475890.746400
* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Points of Contact ►

POINT OF CONTACT

INDIVIDUAL'S NAME Robert K. Schmidt
ORGANIZATION'S NAME Indiana Department of Natural Resources, Division of Water
CONTACT'S POSITION Resource Assessment Section
CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

PHONE

VOICE 317-232-4160

FAX 317-233-4579

ADDRESS

TYPE

DELIVERY POINT 402 W. Washington Street W264

CITY Indianapolis

ADMINISTRATIVE AREA Indiana

POSTAL CODE 46204

COUNTRY US

E-MAIL ADDRESS rschmidt@dnr.IN.gov

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 ►

LEGAL CONSTRAINTS

ACCESS CONSTRAINTS other restrictions

OTHER CONSTRAINTS

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 2014, 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

LIMITATIONS OF USE

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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.

[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_Clinton_Co_IN
*OBJECT TYPE composite
*OBJECT COUNT 34

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES

FEATURE CLASS NAME UNC_PSM_Clinton_Co_IN

- * FEATURE TYPE Simple
- * GEOMETRY TYPE Polyline
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 34
- * 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

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, unconsolidated topography, and surface topography.

[Hide Process step ▲](#)

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2014-10-30 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 ▲](#)

SOURCE DATA ▶

DESCRIPTION

Water well records from the IDNR-DOW well record database; USGS topography maps; various consultant geotechnical reports

SOURCE CITATION ▶

TITLE PSM, Clinton County, Indiana

PUBLICATION DATE 2014-10-30 01:00:00

EDITION 1

SERIES

NAME Unconsolidated Potentiometric Surface Map

ISSUE PSM 45-A

RESPONSIBLE PARTY

ORGANIZATION'S NAME IDNR Division of Water, Resource Assessment Section

INDIVIDUAL'S NAME Robert K. Schmidt

CONTACT'S ROLE originator

RESPONSIBLE PARTY

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

CONTACT'S ROLE publisher

CONTACT INFORMATION ▶

ADDRESS

TYPE

DELIVERY POINT Indianapolis, IN

[Hide Contact information ▲](#)

[Hide Source citation ▲](#)

[Hide Source data ▲](#)

[Hide Lineage ▲](#)

Distribution ►

DISTRIBUTOR ►

CONTACT INFORMATION

INDIVIDUAL'S NAME Robert K. Schmidt

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

CONTACT'S POSITION Resource Assessment Section

CONTACT'S ROLE distributor

CONTACT INFORMATION ►

PHONE

VOICE 317-232-4160

FAX 317-233-4579

ADDRESS

TYPE

DELIVERY POINT 402 W. Washington Street W264

CITY Indianapolis

ADMINISTRATIVE AREA Indiana

POSTAL CODE 46204

COUNTRY US

E-MAIL ADDRESS rschmidt@dnr.IN.gov

HOURS OF SERVICE

8:15am - 4:15pm M-F except Government Holidays

[Hide Contact information ▲](#)

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT

* NAME Shapefile

TRANSFER OPTIONS

* TRANSFER SIZE 0.584

ONLINE SOURCE

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

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT [UNC_PSM_Clinton_Co_IN ►](#)

* TYPE Feature Class

* ROW COUNT 34

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 SmallInteger
- * WIDTH 4
- * PRECISION 4
- * SCALE 0

[Hide Field Static_E ▲](#)

[Hide Details for object UNC_PSM_Clinton_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 2014-10-30

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 2014-08-21 09:47:28
LAST MODIFIED IN ARCGIS FOR THE ITEM 2014-10-30 92:83:30

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2014-10-30 09:18:39

ITEM LOCATION HISTORY

ITEM COPIED OR MOVED 2014-08-21 09:47:28
FROM J:\!Potentiometric\Clinton\2_Shapefiles\Shapefiles_Misc_Analytical\UNC_PSM_Clinton_Co_IN
TO \\iotfilp19pw\dnr\dow\TS\Water_Resources_and_Rights\
Potentiometric\Clinton\2_Shapefiles\Shapefiles_Misc_Analytical\UNC_PSM_Clinton_Co_INCopy

[Hide Metadata Details ▲](#)

Metadata Contacts ►

METADATA CONTACT

INDIVIDUAL'S NAME Robert K. Schmidt
ORGANIZATION'S NAME Indiana Department of Natural Resources, Division of Water
CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

PHONE

VOICE 317-232-4160
FAX 317-233-4579

ADDRESS

TYPE

DELIVERY POINT 402 W. Washington Street W264
CITY Indianapolis
ADMINISTRATIVE AREA Indiana
POSTAL CODE 46204
COUNTRY US
E-MAIL ADDRESS rschmidt@dnr.IN.gov

HOURS OF SERVICE

8:15am - 4:15pm M-F except Government Holidays

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[Hide Metadata Contacts ▲](#)

Metadata Constraints ►

LEGAL CONSTRAINTS

[ACCESS CONSTRAINTS](#) other restrictions

OTHER CONSTRAINTS

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FGDC Metadata (read-only) ▼