March 2025

Division of Water

Indiana Association of Soil and Water Conservation Districts

Indiana Department of Natural Resources

Gin Ranly, Outreach Program Director
Jordan Smithers, Senior Environmental Manager
Allison Mann, Water Use Program Coordinator
Kristi Cox, Hydrogeologist
Christina Spielbauer, Geologist

DNR
Indiana Department of Natural Resources

DIVISION OF
WATER

The Division of Water is responsible for the diverse tasks related to assessing and managing Indiana's most vital natural resource - water

- Permitting in floodways & on public freshwater lakes
- Groundwater assessments and availability
- Water rights & use: Water withdrawals and well construction
- Dam & levee Safety
- Conservancy Districts & Watershed Development Commissions
- Community assistance

Full list of statutes and rules that govern regulatory activities: dnr.IN.gov/water/statutes-and-rules

The Division of Water is responsible for the diverse tasks related to assessing and managing Indiana's most vital natural resource - water.

Our Stakeholders:

- Floodplain property owners & residents
- Public freshwater lake property owners & residents
- Groundwater users, well owners, well drillers, high-capacity pump owners and installers
- Dam owners & engineers
- Local government officials (Floodplain Administrators, planners, surveyors, etc.)
- Conservancy districts
- Anyone interested in groundwater, flooding, drought

Email Newsletters

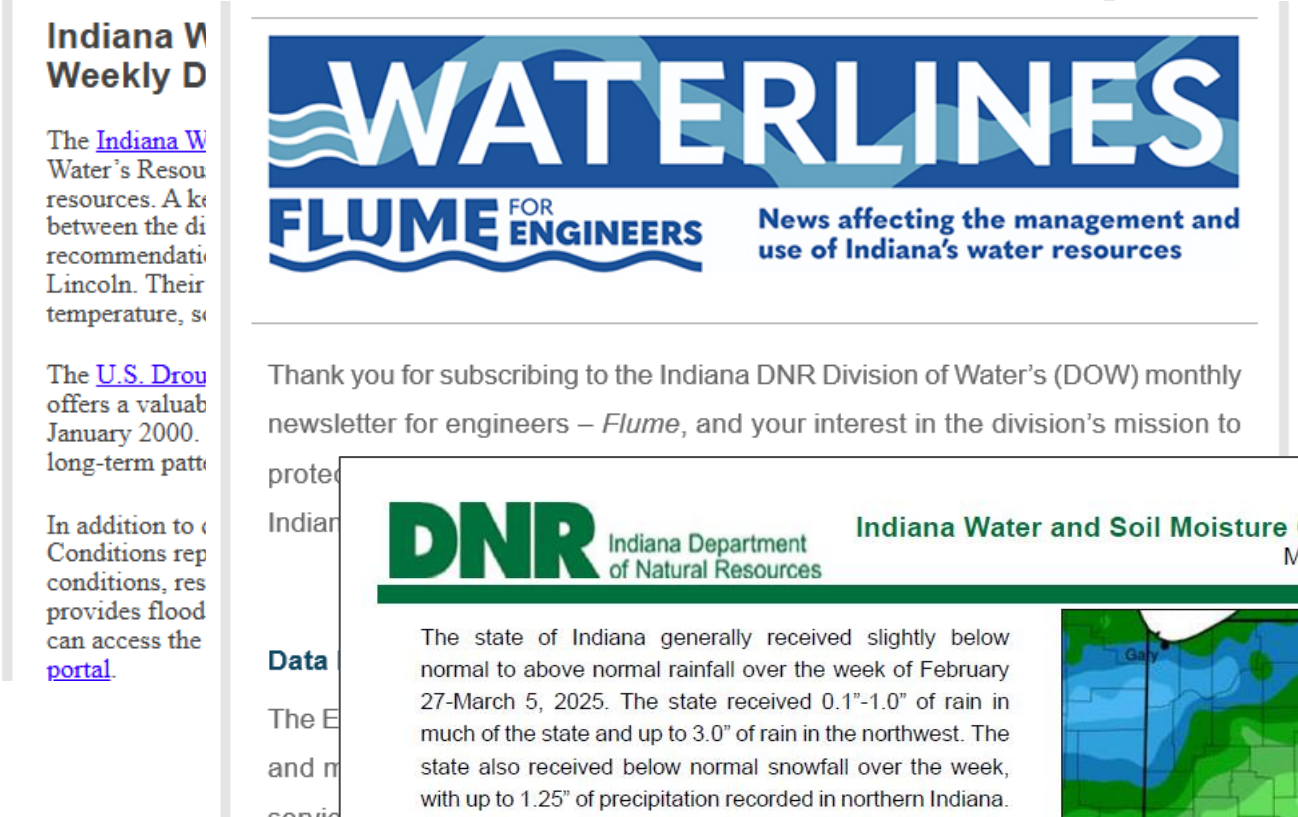
Waterlines Express:

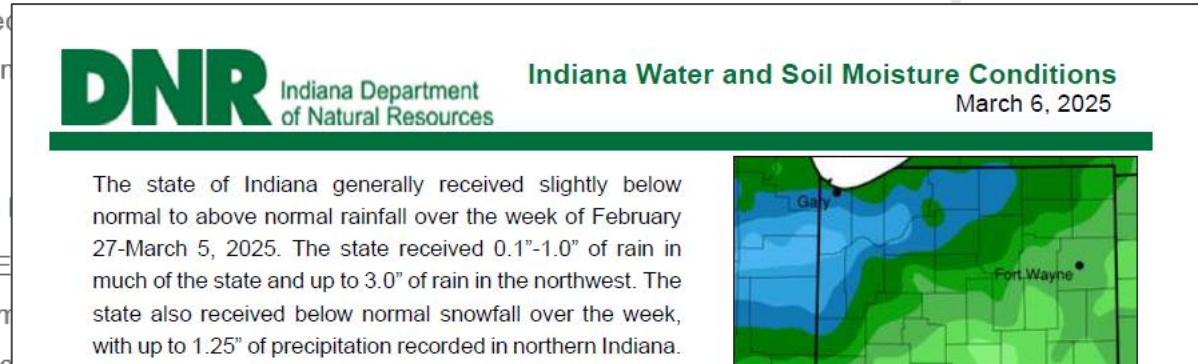
- Floodplains
- Lakes
- Groundwater
- Dams
- Engineers
- Conservancy Districts

Quarterly Waterlines: Floodplain Management & Community Assistance

Weekly Indiana Water and Soil Moisture Conditions

on.IN.gov/water-newsletters





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DIVISION OF WATER
OPEN HOUSE

COLUMBUS, IN
WEDNESDAY
APRIL 16
4 PM – 6 PM

LAFAYETTE, IN
WEDNESDAY
MAY 14
4 PM – 6 PM

LAGRANGE, IN
DATE COMING SOON

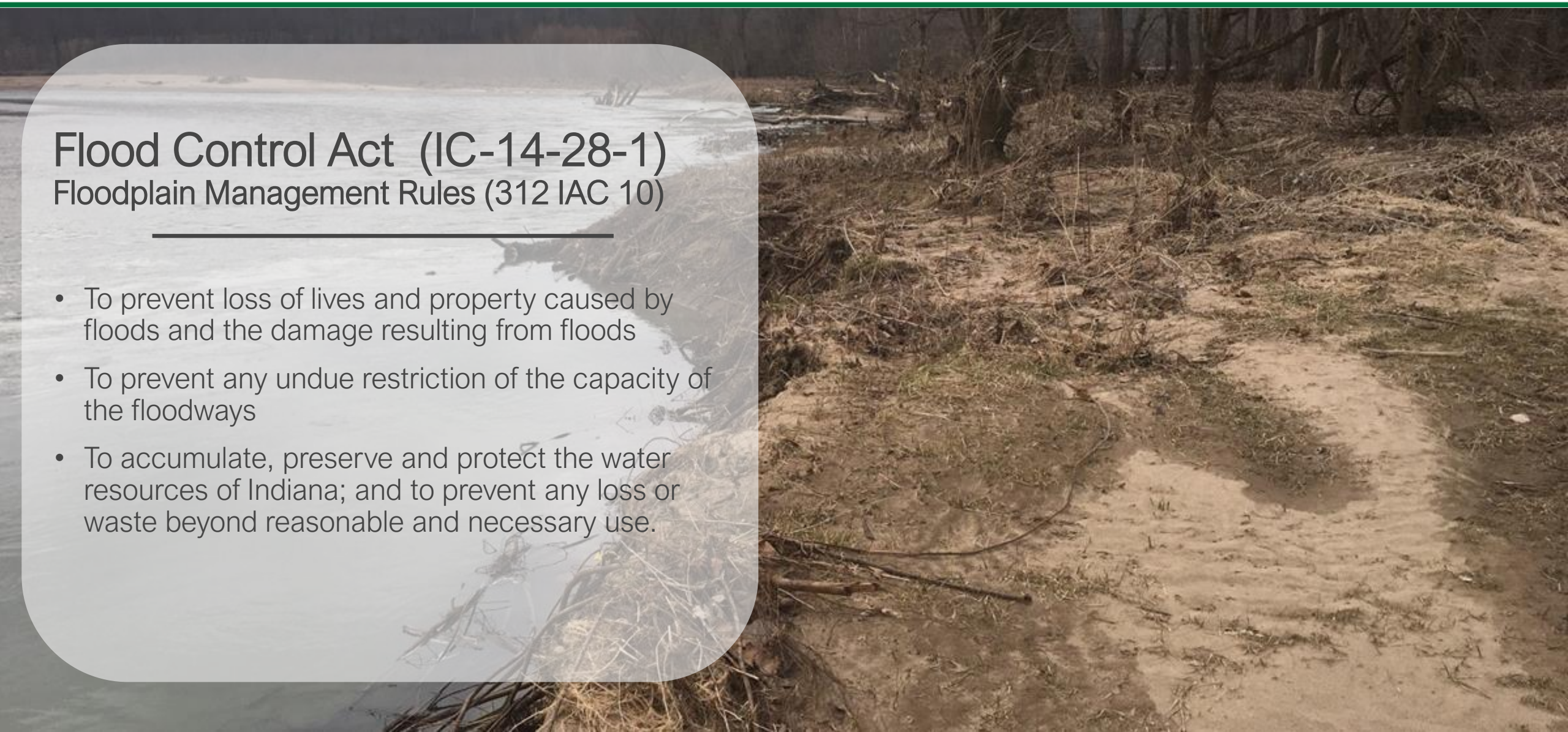
THIS EVENT IS FOR:

- People living and working in floodplains, along lakes
- County and municipal officials
- Conservancy districts and dam owners
- Planning and engineering professionals
- Private well owners
- All interested community members

Floodplains and Permitting

Indiana Department of Natural Resources

Jordan Smithers
Senior Environmental Manager
Division of Water



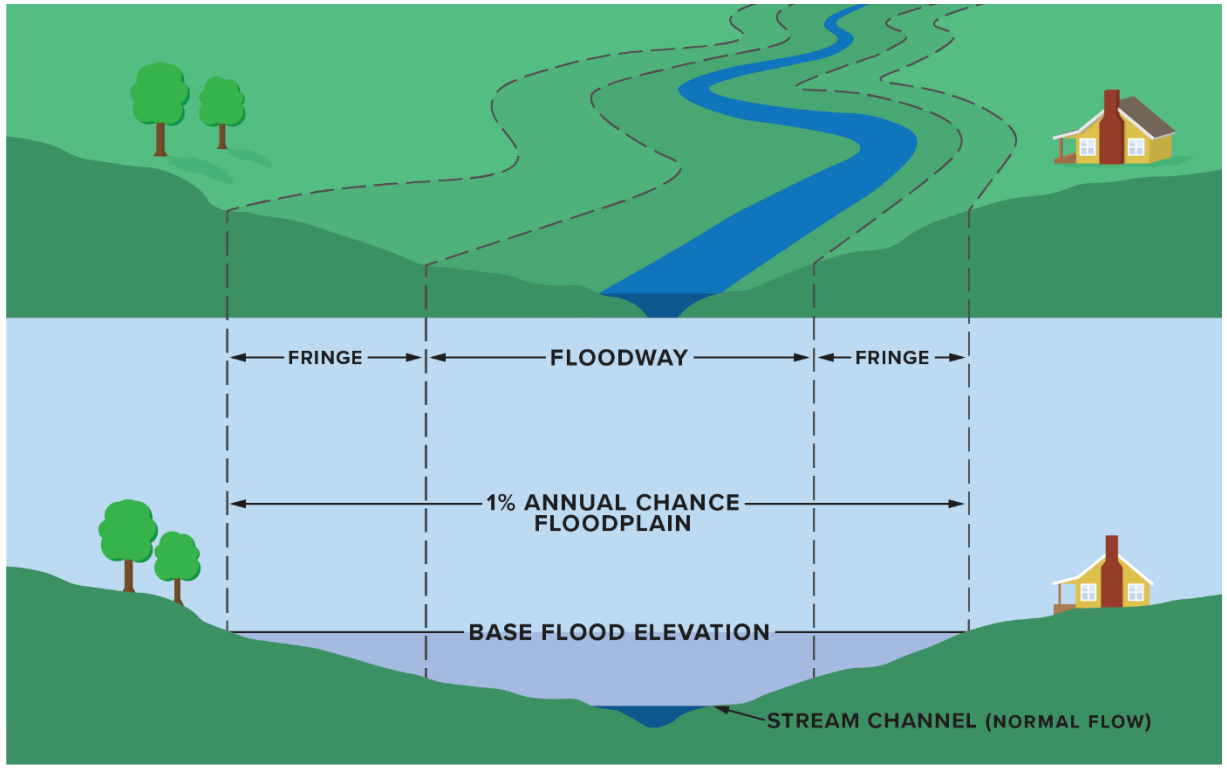
Flood Control Act (IC-14-28-1)

Floodplain Management Rules (312 IAC 10)

- To prevent loss of lives and property caused by floods and the damage resulting from floods
- To prevent any undue restriction of the capacity of the floodways
- To accumulate, preserve and protect the water resources of Indiana; and to prevent any loss or waste beyond reasonable and necessary use.

What is a Floodway?

- "Floodway", for purposes of IC 14-28-1, IC 14-28-3, and IC 14-34, means:
  - (1) the channel of a river or stream; and
  - (2) the parts of the flood plain adjoining the channel that are reasonably required to efficiently carry and discharge the flood water or flood flow of a river or stream.



DNR Jurisdiction

- Construction activities within floodway of all streams that have an upstream drainage area of ≥1 square mile.
- Construction activities include, but are not limited to:
  - Excavation
  - Fill
  - Erecting or maintaining a structure

General Licenses and Exemptions

- Specific exemptions and general licenses exist for certain projects, and if a project meets the requirements of the general license or exemption, then a formal permit is not required.
- Many general licenses and exemptions can proceed without coordination with the Division or written documentation; however, some specify that written notice or other coordination is needed.
- Common examples include:
  - Logjam Removal
  - Maintenance of crops, pastures, and parks
  - Wetland restoration
  - Outfall structures

Online Resources

- Division of Water Homepage
- Division of Water Online Research Center (DoWORC)
- Division of Water Unity database
- Waterways Website and Inquiry Request tool
- Indiana Floodplain Information Portal (INFIP)

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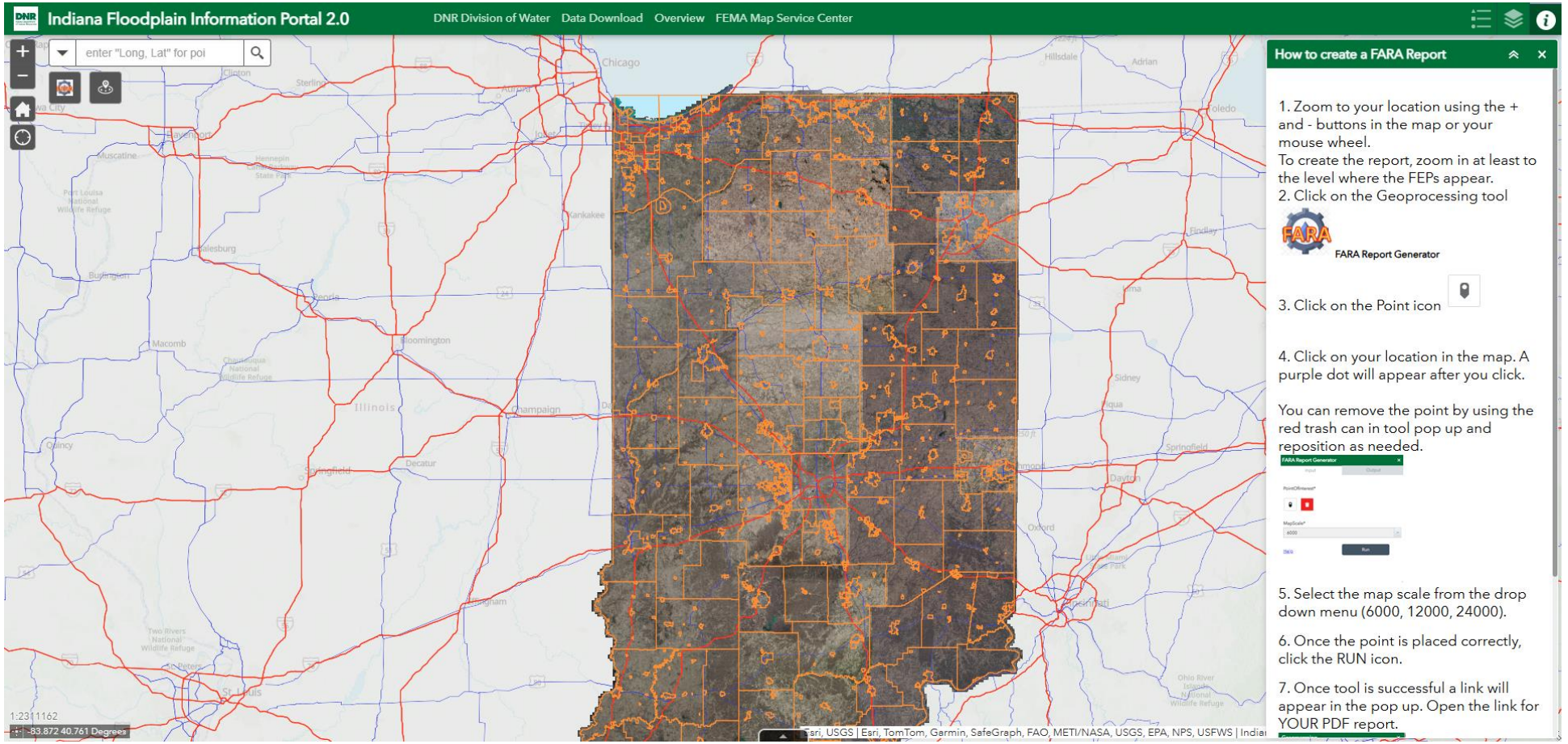
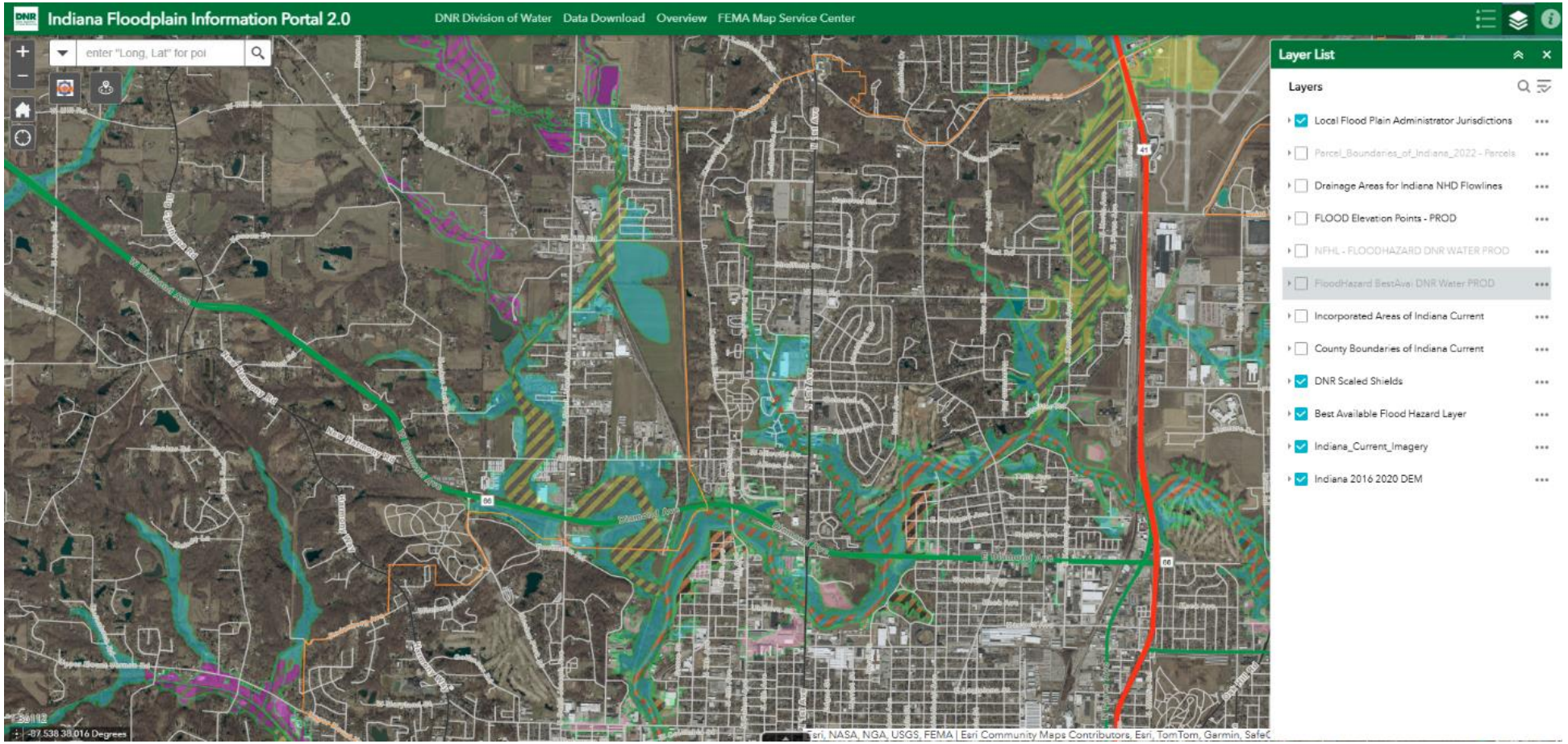
DIVISION OF WATER

Indiana Floodplain Information Portal (INFIP)



https://on.in.gov/fip

Indiana Floodplain Information Portal (INFIP)



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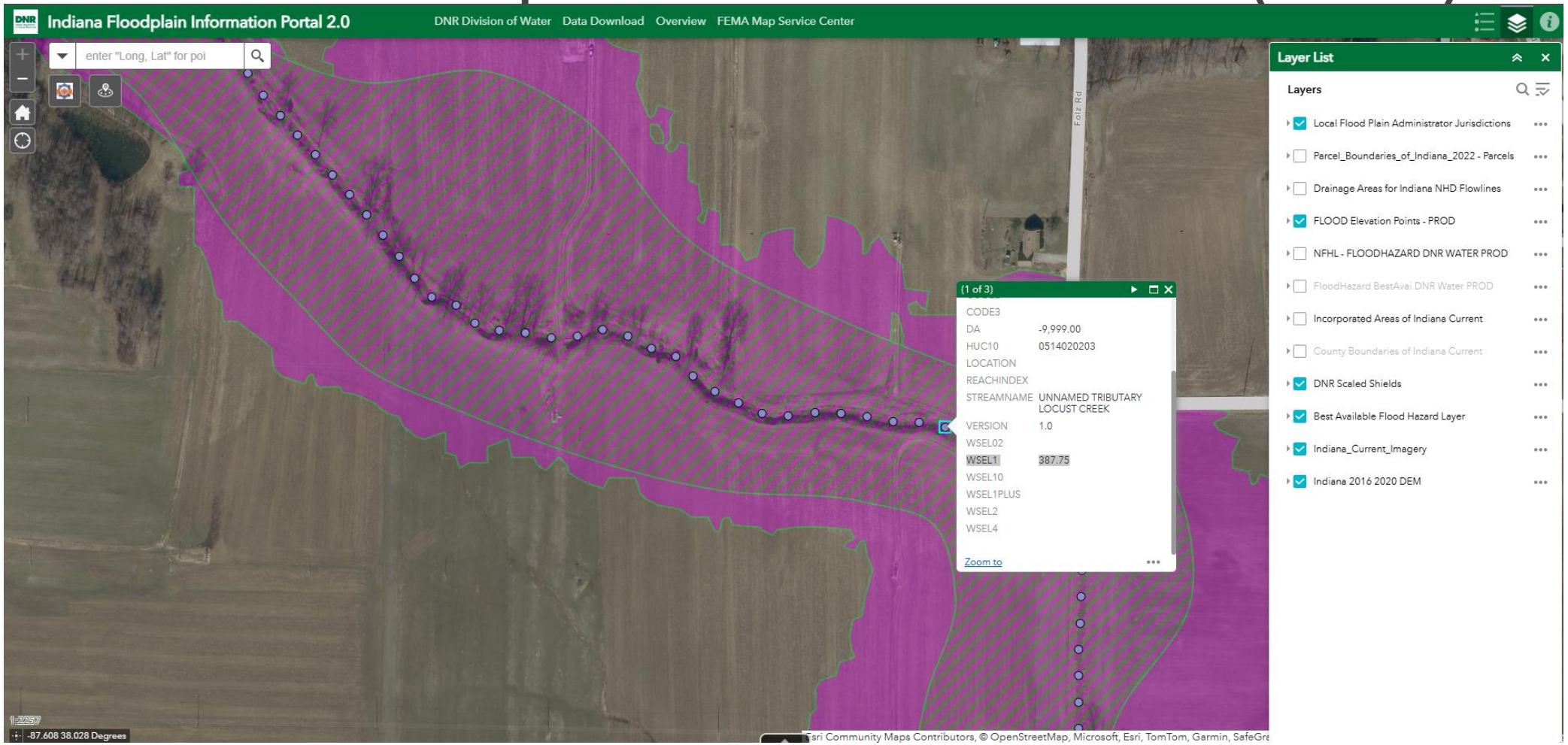
Indiana Floodplain Information Portal (INFIP)



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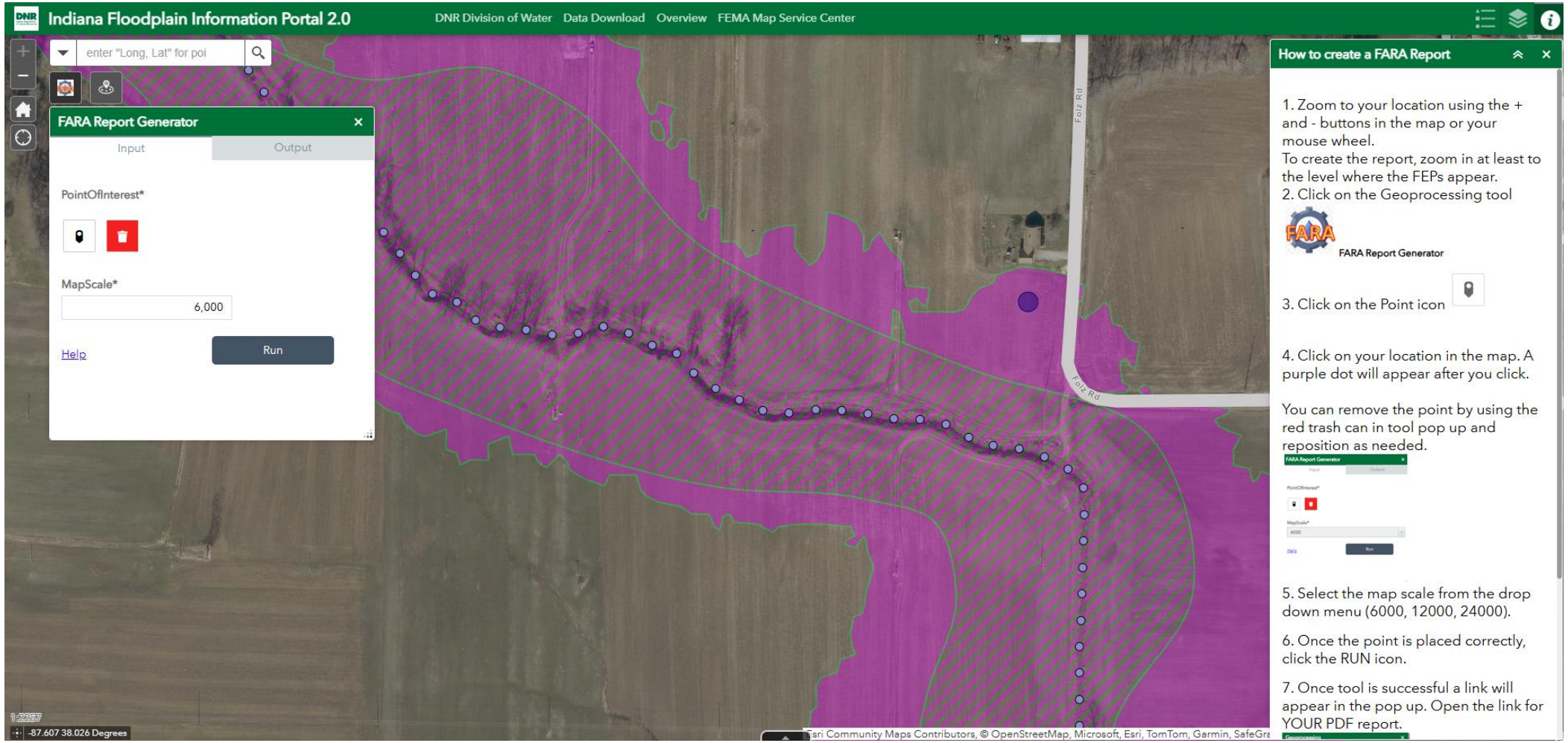
Indiana Floodplain Information Portal (INFIP)



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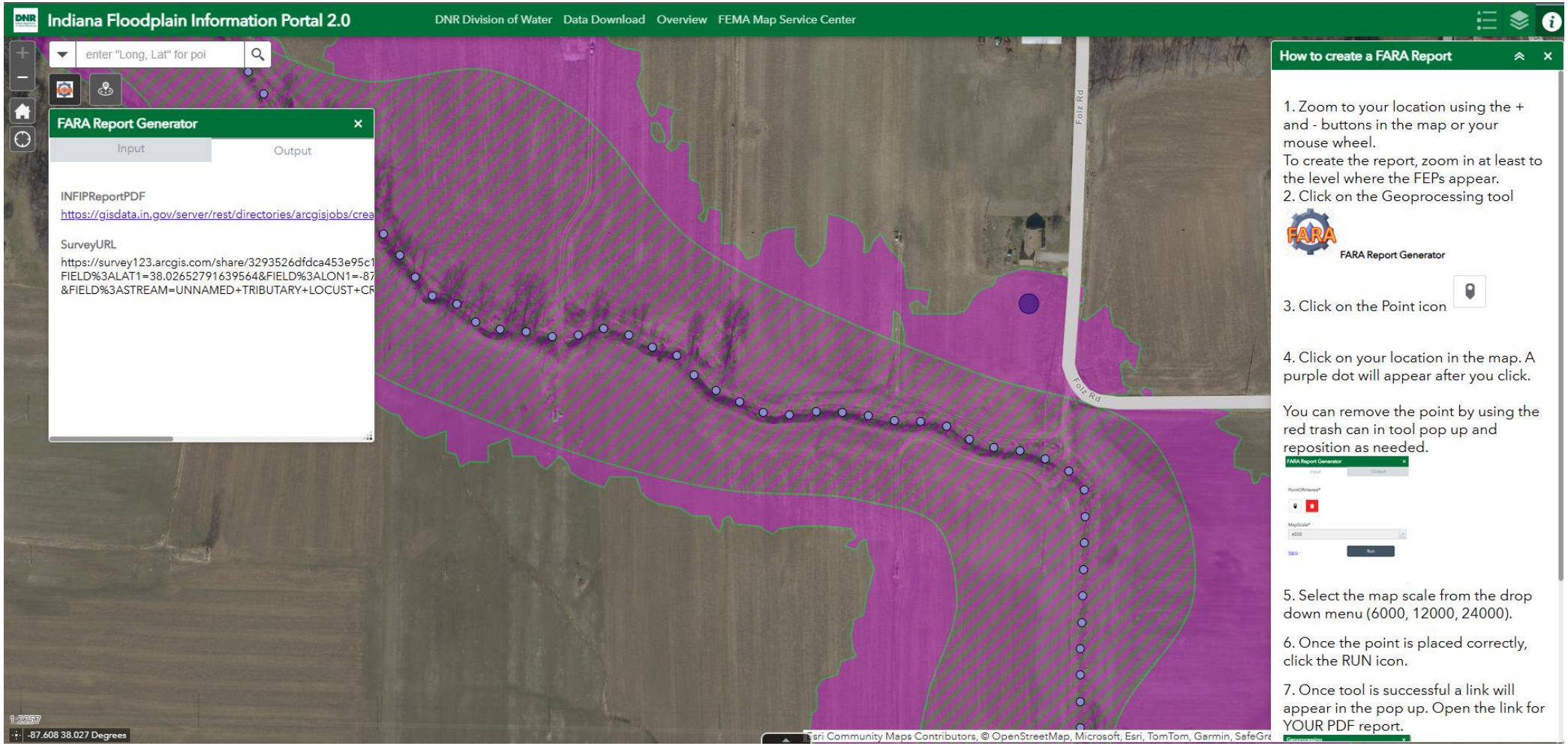
Indiana Floodplain Information Portal (INFIP)



https://on.in.gov/fip

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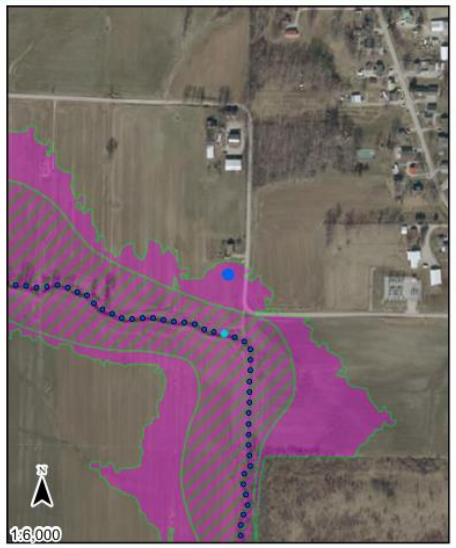
Indiana Floodplain Information Portal (INFIP)

DNR Indiana Department of Natural Resources

Floodplain Analysis & Regulatory Assessment (FARA)



Point of Interest
Base Flood Elevation Point
POI
1.0
DNR Approximate Floodway
DNR Approximate Fringe
Not Mapped
FPA Jurisdictions
RGB
Red: Band_1
Green: Band_2
Blue: Band_3

Long: **-87.60860712824133**
Lat: **38.02652791639564**

The information provided below is based on the point of interest shown in the map above.

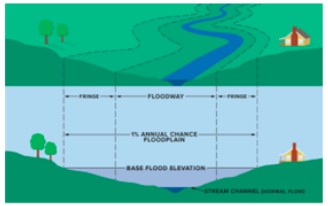
County: **Vanderburgh**
Approximate Ground Elevation: **387.2 feet (NAVD88)**
Stream Name: **Unnamed Tributary Locust Creek**
Base Flood Elevation: **387.3 Feet (NAVD88)**
Drainage Area: **Not Available**
Best Available Flood Hazard Zone: **DNR Approximate Fringe**
National Flood Hazard Zone: **FEMA Zone A**
Is a Flood Control Act permit from the DNR needed for this location? **See following pages**
Is a local floodplain permit needed for this location? **yes-**
Floodplain Administrator: **Hollie Buchanan, Floodplain Administrator**
Community Jurisdiction: **Vanderburgh County Unincorporated Areas, County proper**
Phone: **(812) 436-7871**
Email: **hbuchanan@evansville.in.gov**
US Army Corps of Engineers District: **Louisville**
Date Generated: 3/3/2025

About the Floodplain Analysis and Regulatory Assessment (FARA):

All streams have a floodplain, whether mapped or not. This FARA, and the information provided herein, is designed for sites along streams with a mapped floodplain that delineates the floodway portion of the floodplain; see the image below for a visual guide to the floodplain, floodway, and flood fringe. The information in this document was determined using an automated mapping tool. The DNR has high confidence in the tool, but there are scenarios where the floodplain information provided requires additional review from the DNR.

All streams in DNR jurisdiction (streams that have a drainage area one square mile or greater) are shown by a blue line on the map on page 1. However, a floodplain/floodway may or may not be mapped for every stream. In any of the following scenarios, or if you have more detailed floodplain information, use the link at the bottom of this page to request a staff review of the site. Please note that staff review may take several weeks to complete.

Scenarios that require additional DNR review:
- The base flood elevation on page 1 is not available
- The tool selects the nearest flood elevation point for a stream outside the floodplain associated with the point of interest
- There is not a delineated floodway for the stream nearest your point of interest
- The point of interest is along a stream without a mapped floodplain
- The point of interest is in a mapped floodplain of another stream, but the stream nearest the point of interest does not have a mapped floodplain with a floodway of its own



If DNR review is required, do not use this FARA for your site's determination.
If you have questions about DNR permitting requirements, you can contact DNR, Division of Water toll-free at 1-877-928-3755 and select option 1 to speak to a Technical Services staff member. You can also write to the division at water_inquiry@dnr.IN.gov or use the Indiana Waterways Inquiry Request tool at waterways.IN.gov to submit a permitting determination request to both DNR and the Indiana Department of Environmental Management at once.

We recommend keeping a copy of this FARA for your records as the DNR will not have a copy on file.
For additional information on floodplain regulations please copy the following line into a web browser:
https://countydataharvest.in.gov/DNR/INFIP_Report_Backpgs.pdf

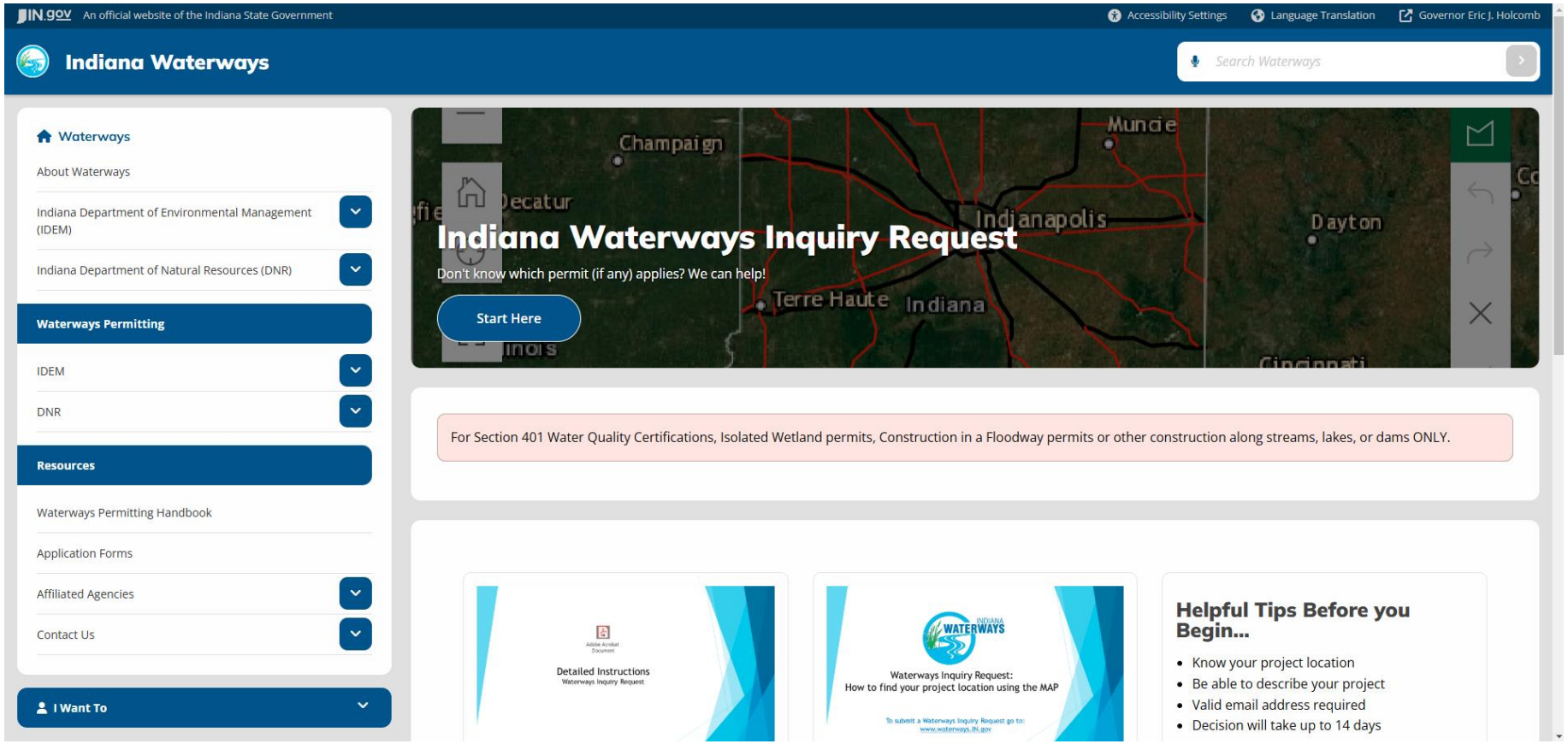
PATH TO COPY INTO WEB BROWSER TO COMPLETE SURVEY:

https://survey123.arcgis.com/share/3293526dfdca453e95c19b08fb7bdcfb??FIELD%3ALAT1=38.02652791639564&FIELD%3ALON1=-87.60860712824133&FIELD%3ADNR_PERMIT=See+following+pa&FIELD%3ASTREAM=UNNAMED+TRIBUTARY+LOCUST+CREEK&FIELD%3AINIT_DATE=03%2F03%2F2025&FIELD%3AB

If the link above does not work, copy and paste the text above into a web browser to open the survey you will fill out and submit. If this does not work then send a copy of this FARA to infipinquiry@dnr.IN.gov and describe the reason you are requesting a staff review. Include your name and contact information so that staff can follow-up with you.

Indiana Waterways Inquiry Request

IN.gov/waterways



IN.gov/waterways

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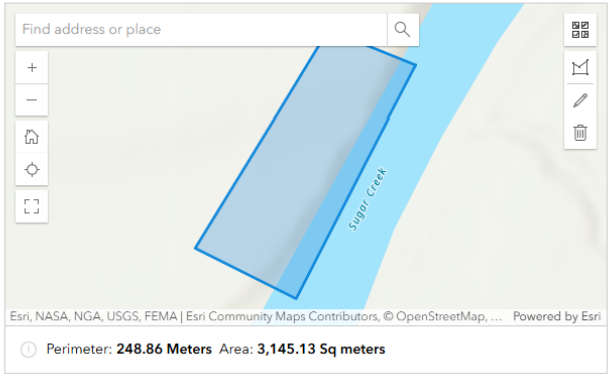
Indiana Waterways Inquiry Request

*Certifications, Isolated Wetland permits, Construction in a Floodway permits, or other construction along streams, lakes, or dams only.Inquiry reviews will be completed by both agencies and submitters will receive feedback on which permit applications need to be submitted prior to beginning the project.The validity of this response is dependent on the submission of complete and accurate information. Additional information may be required. THIS IS NOT A PERMIT APPLICATION.If you understand this statement, please click 'I Understand' below to begin the form.**

(•) I Understand

Please outline your Area of Disturbance on the map and answer the remaining questions below.
For specific instructions: Full Instructions

Project Location*



Perimeter: **248.86 Meters** Area: **3,145.13 Sq meters**

Project Type*

Select the project type that most closely matches your project.

Bank Stabilization

Project Description*

What do you plan to do and how? Include dimensions and materials planned to the extent known.

Approximately 250' of the streambank will be stabilized with riprap placed over a geotextile fabric to protect the bank from further erosion. The riprap will have a maximum height of 5', a maximum streamward projection of 2' beyond the existing bank, and 1:1 sideslopes. The riprap will be keyed into the streambank at its base and will conform to the existing bank at the project limits.

112

County*

Select the county where the project will take place. If there are multiple counties, please select the county where the majority of the work will occur.

Montgomery

Is there an address associated with the property?*

( ) Yes

(•) No

Do you have the parcel number for the project area?*

( ) Yes

IN.gov/waterways

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Indiana Waterways Inquiry Request

Do you have the parcel number for the project area?*

- ○ Yes
- ◉ No

What is the approximate acreage of disturbance for the project overall? *

See map above for acre value.

0.77

Do you have a Wetland Delineation Report verified by the U.S. Army Corps of Engineers?*

- ○ Yes
- ◉ No
- ○ Unsure

List any other completed evaluations of potential waters within the property.

Some examples include a Floodplain Analysis and Regulatory Assessment (FARA), a Wetland Delineation Report, or any other report identifying ditches, streams, floodplains, wetlands, ponds, or other waterbodies on the property.

FARA

List any other completed evaluations of potential waters within the property.

Some examples include a Floodplain Analysis and Regulatory Assessment (FARA), a Wetland Delineation Report, or any other report identifying ditches, streams, floodplains, wetlands, ponds, or other waterbodies on the property.

FARA

Do you have any development plans and/or drawings/pictures currently available?*

- ◉ Yes
- ○ No

Have you reached out to any other governmental agencies about your project?*

- ◉ Yes
- ○ No

If yes, who?

Floodplain Administrator, County SWCD

Submit

IN.gov/waterways

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Indiana Waterways Inquiry Request

Waterway Inquiry Response

DNR Permits:

Based on the information you submitted for review, the following **DNR** permits **WILL** be required prior to beginning your project:

Flood Control Act, IC 14-28-1, Excavation, Fill, or Non-Residential construction, Application Fee: $200

IDEM Permits:

If there is to be no permanent earth moving or placement of fill material below the Ordinary Highwater Mark, a Section 401 Water Quality Certification will not be required from IDEM.

DNR Specific Feedback

Any proposal to construct, excavate, or fill in or on the floodway of a stream or other flowing waterbody which has a drainage area greater than one square mile requires formal approval from the DNR, Division of Water under the Flood Control Act, IC 14-28-1. A permit application form and permit application assistance manual can be obtained from our website at: www.in.gov/dnr/water/2455.htm.

To access floodplain information for your site, you can visit the DNR's Floodplain Information Portal at www.infip.dnr.in.gov to obtain/verify required elevation information for any proposed structure or building on this site. Please contact your local Floodplain Administrator for local permit requirements.

IDEM Specific Feedback

Resources Present On Site

A. Waterway resources appear likely to be present on the site including:
   a. Wetlands

B. The proposed activities may result in land-disturbing activities of one (1) acre or more; which may require permit coverage from the IDEM Stormwater Program.

Information Used for this Waterways Inquiry Response:

A. The site appears to include streams or open water based on aerial photography, topographical Maps, evidence provided through the inquiry.

B. The site includes soil types as determined from the USDA, Natural Resources Conservation Service Web Soil Survey that are identified as hydric soils or soils with hydric inclusions

Water Rights & Use

Indiana Department of Natural Resources

Allison Mann
Water Use Program Coordinator

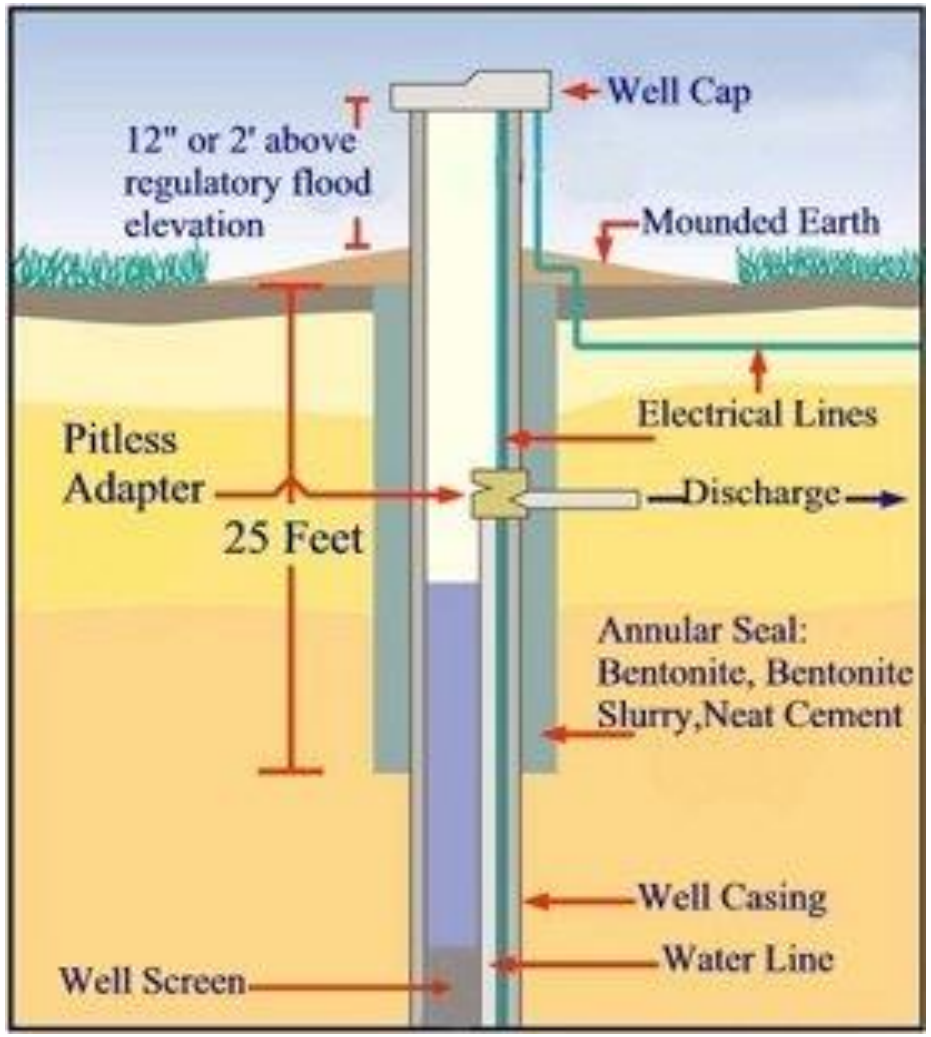
Water Rights and Use Section- Discussion Topics

- Well Drillers Law and Water Well Construction Standards under IC 25-39 and 312 IAC 13
- Significant Water Withdrawal Facility (SWWF) Registration and Annual Water Use Reporting under IC 14-25-7
- Groundwater and Surface Water Rights under IC 14-25-4 and IC 14-25-5

General History for Water Well Driller & Pump Installer Licensing

- 1959 – IC 25-39 (Well Drillers Law) effective
- 1988 – Law amended to require licensing and development of well construction standards (Rule 312 IAC 13)
- 2001/2003 – Bills introduced to require pump installer licensing and/or continuing education
- 2010 – SEA 356 Passed by legislature to require pump installer licensing and CE for well drillers and pump installers.

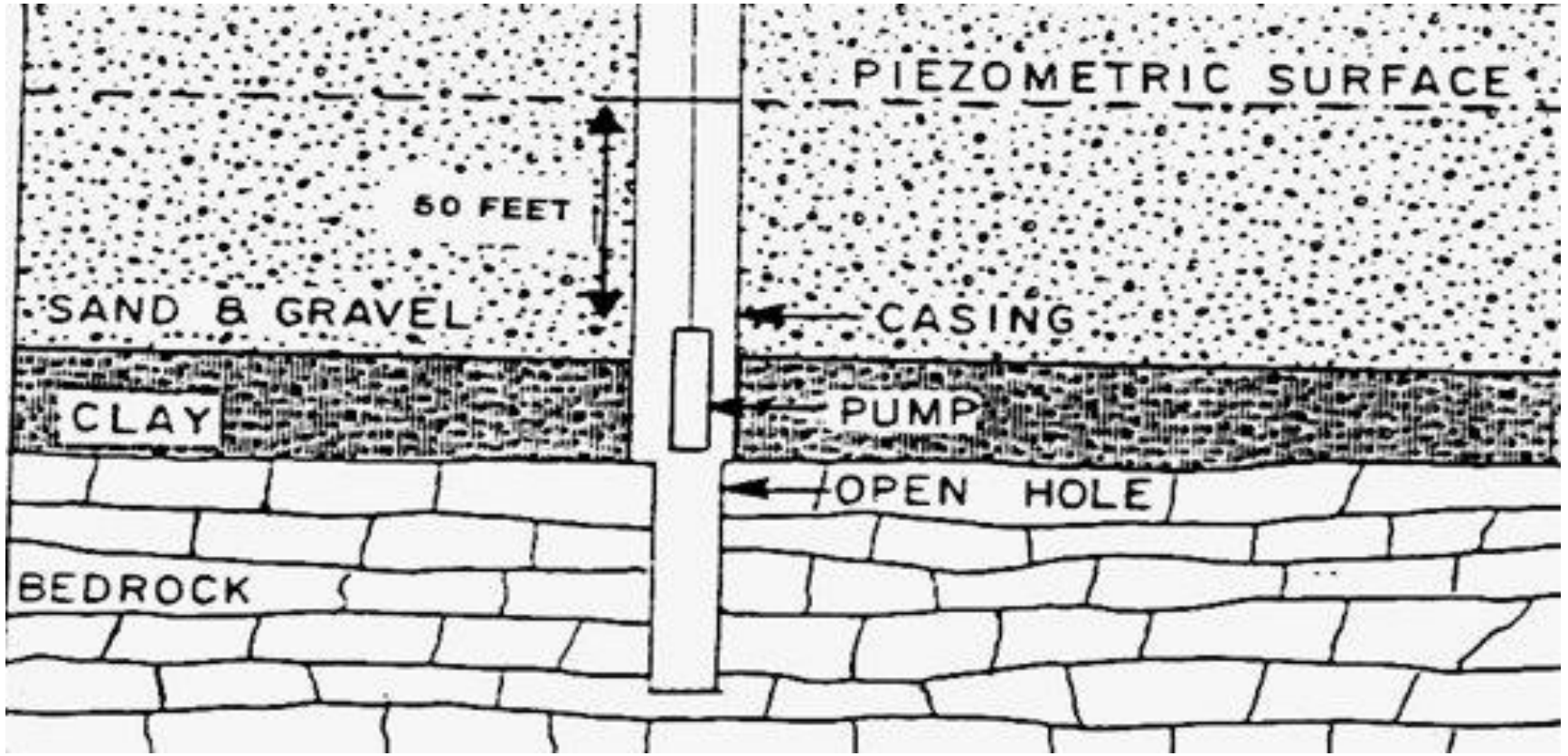
312 IAC 13: Well Construction Standards



- 312 IAC 13 established minimum standards for procedures and materials used in the installation of water wells and water well pumping equipment
- Establishes standards for casing, grouting, screens, depth, and diameter.

Minimum Drawdown Requirements for Small Capacity Wells

- Unconsolidated Aquifers: 20 ft
- Bedrock Aquifers: 50 ft



Water Well Records

- Drillers are required to submit a ***Record of Water Well*** for every well and send it to the DOW within 30 days of the well being placed
- On the records – well location, owner and driller names, well depth and materials, pump test results, grouting materials, and a log of subsurface geological formations.
- DOW maintains paper files and an online database of approximately **450,000** well records.

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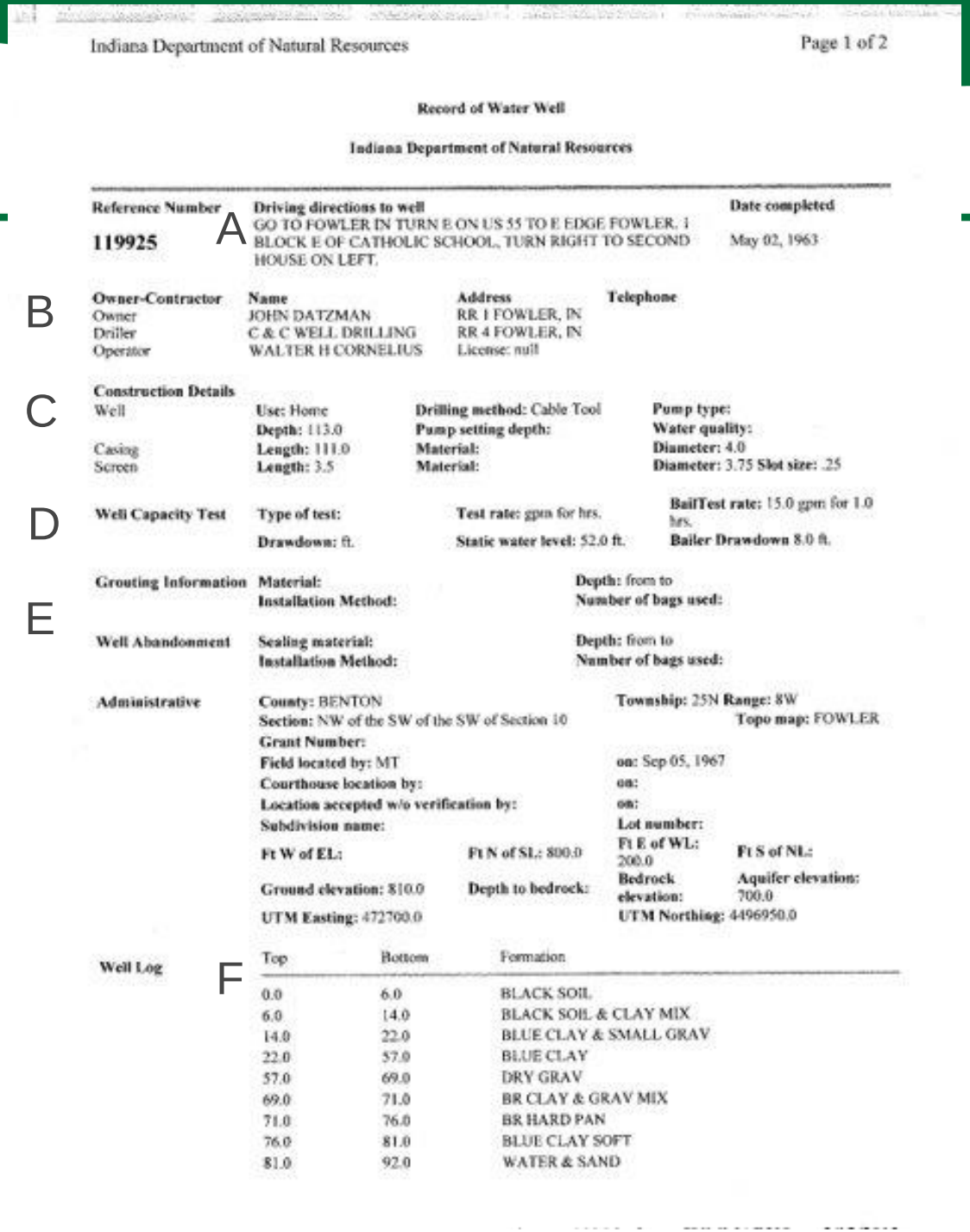
Water Well Record Database

- A – well location
- B – owner and driller names
- C – well depth and materials
- D – pump test results
- E – grouting materials
- F – log of subsurface geological formations



Indiana Department of Natural Resources — Page 1 of 2

Record of Water Well

Indiana Department of Natural Resources

Reference Number 119925

A **Driving directions to well** GO TO FOWLER IN TURN E ON US 55 TO E EDGE FOWLER, 1 BLOCK E OF CATHOLIC SCHOOL, TURN RIGHT TO SECOND HOUSE ON LEFT.

Date completed May 02, 1963

B

Owner-Contractor	Name	Address	Telephone
Owner	JOHN DATZMAN	RR 1 FOWLER, IN	
Driller	C & C WELL DRILLING	RR 4 FOWLER, IN	
Operator	WALTER H CORNELIUS	License: null	

C

Construction Details

Well — **Use:** Home; **Depth:** 113.0; **Drilling method:** Cable Tool; **Pump setting depth:**; **Pump type:**; **Water quality:**

Casing — **Length:** 111.0; **Material:**; **Diameter:** 4.0

Screen — **Length:** 3.5; **Material:**; **Diameter:** 3.75 **Slot size:** .25

D

Well Capacity Test — **Type of test:**; **Test rate:** gpm for hrs.; **BailTest rate:** 15.0 gpm for 1.0 hrs.; **Drawdown:** ft.; **Static water level:** 52.0 ft.; **Bailer Drawdown** 8.0 ft.

E

Grouting Information — **Material:**; **Depth:** from to; **Installation Method:**; **Number of bags used:**

Well Abandonment — **Sealing material:**; **Depth:** from to; **Installation Method:**; **Number of bags used:**

Administrative

County: BENTON; **Township:** 25N **Range:** 8W

Section: NW of the SW of the SW of Section 10; **Topo map:** FOWLER

Grant Number:

Field located by: MT; **on:** Sep 05, 1967

Courthouse location by:; **on:**

Location accepted w/o verification by:; **on:**

Subdivision name:; **Lot number:**

Ft W of EL:; **Ft N of SL:** 800.0; **Ft E of WL:** 200.0; **Ft S of NL:**

Ground elevation: 810.0; **Depth to bedrock:**; **Bedrock elevation:**; **Aquifer elevation:** 700.0

UTM Easting: 472700.0; **UTM Northing:** 4496950.0

Well Log

F

Top	Bottom	Formation
0.0	6.0	BLACK SOIL
6.0	14.0	BLACK SOIL & CLAY MIX
14.0	22.0	BLUE CLAY & SMALL GRAV
22.0	57.0	BLUE CLAY
57.0	69.0	DRY GRAV
69.0	71.0	BR CLAY & GRAV MIX
71.0	76.0	BR HARD PAN
76.0	81.0	BLUE CLAY SOFT
81.0	92.0	WATER & SAND

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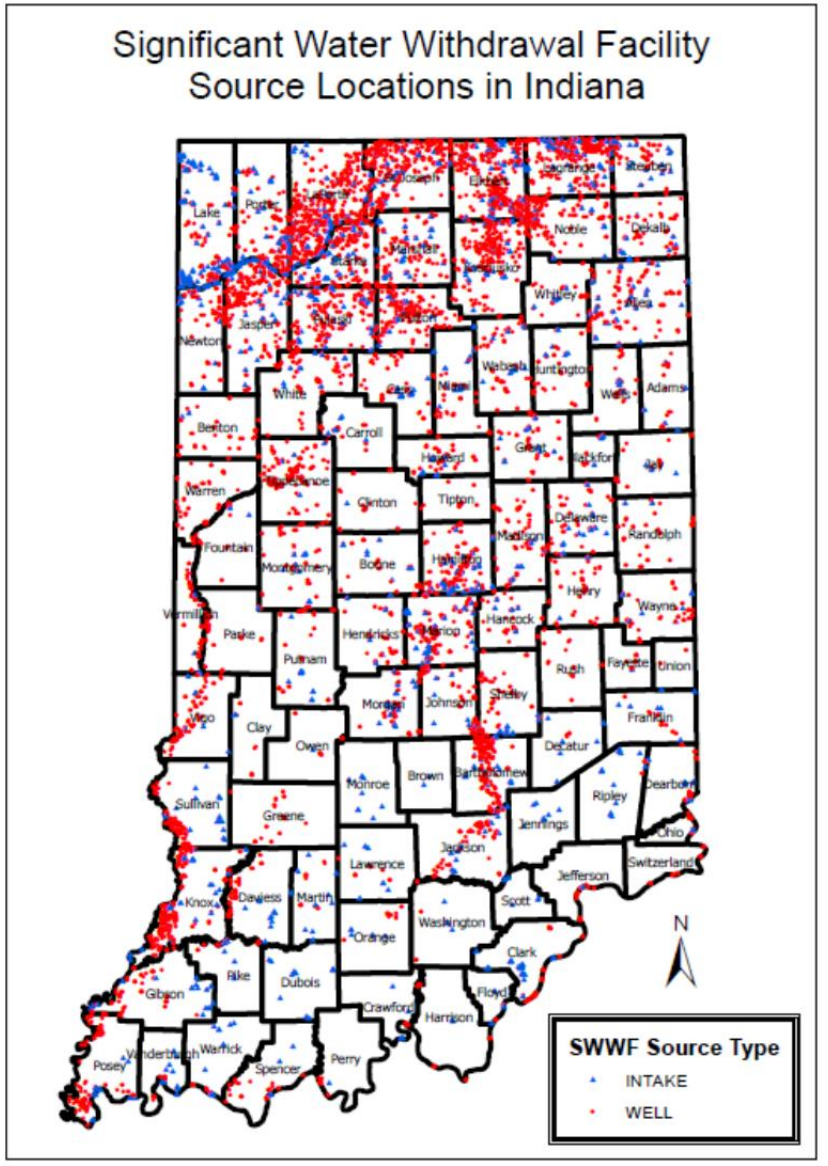
Water Well Record Web Viewer

Water Resource Management; IC 14-25-7

- Enacted in 1983
- Requires registration of all SWWFs (GW & SW)
- Facility defined as having greater than 100,000 GPD capability
- Capability is aggregate of all wells & intakes
- Annual water use reporting
- Approximately 4,300 SWWFs currently registered



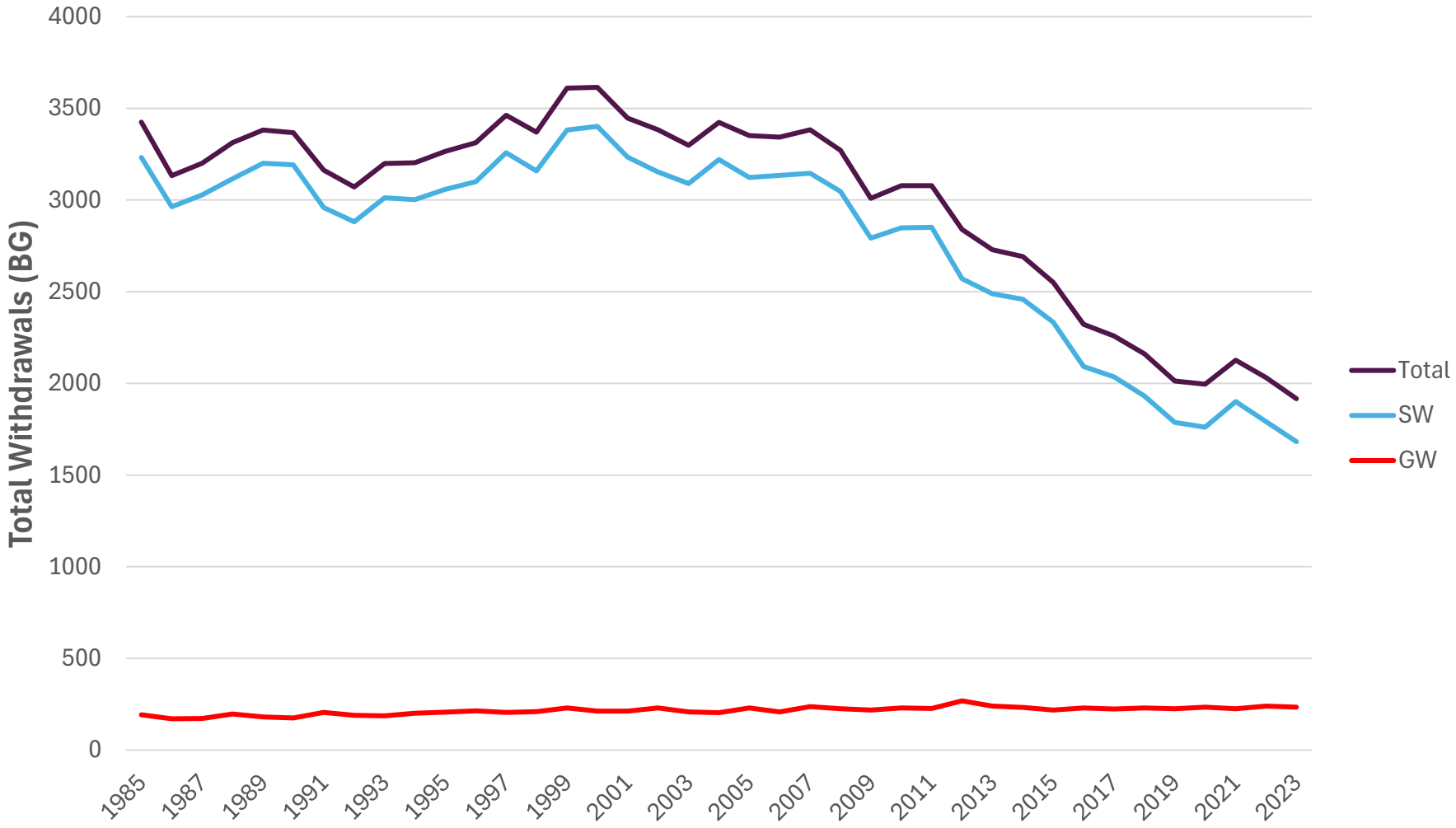
2023 Indiana Registered SWWFs

Water Use Code	Number of Facilities	Number of Wells	Number of Intakes
EP	88	251	81
IN	384	675	293
IR	2893	4014	776
MI	136	221	47
PS	739	2252	60
RU	59	153	10
TOTAL	4299	7566	1267

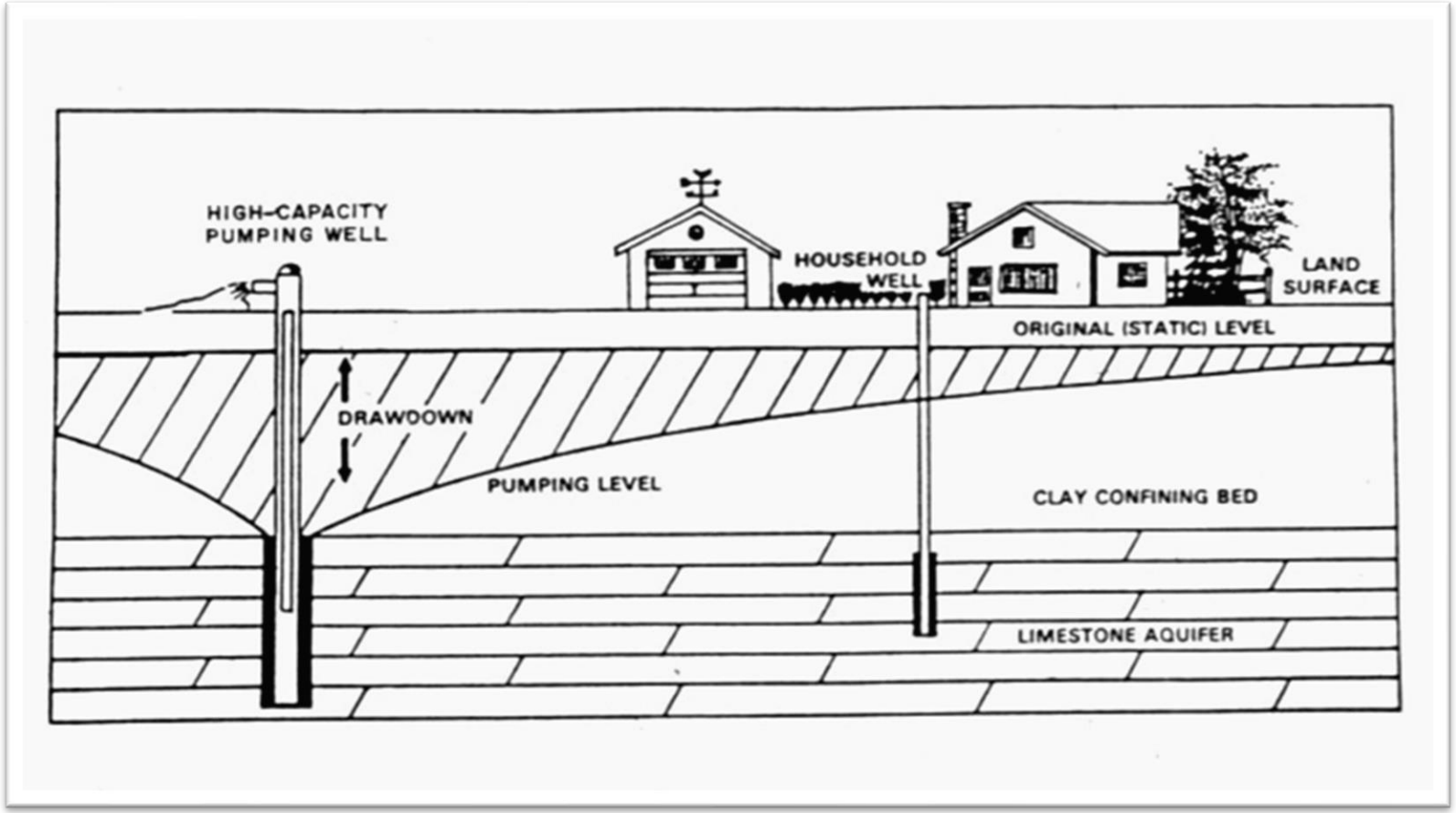
2023 State Totals

	Withdrawals (BG)	Capacity (MGD)	Withdrawals vs Capacity	Current Number
Surface Intakes	1682	16069	28.7%	1267
Wells	234	6294	10.2%	7566
TOTAL	1916	22363	23.5%	8833
Facilities				4299

Total Annual Withdrawals 1985-2023



Emergency Regulation of Ground Water Rights; IC 14-25-4



Indiana Code 14-25-4

- Provides for “Timely and Reasonable Compensation” to owners of small capacity wells affected by high-capacity groundwater pumping.

- Provides for restrictions on high-capacity groundwater pumping under certain conditions.

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Emergency Regulation of Surface Water Rights; IC 14-25-5

Indiana Code 14-25-5

- Provides protection for owner of “freshwater lake” against SWWF pumping
- “Freshwater lake” defined as being: 1) 10 acres in size; 2) of natural origin; 3) originally constructed to retain water; and 4) existed at least 5 years before SWWF pumping
- DNR must document a significant lowering of the lake level by SWWF
- SWWF facility must be within ½ mile of freshwater lake
- Water level lowering must result in “Significant Environmental Harm” under Rule 312 IAC 11.5

Water Resource Assessment

Indiana Department of Natural Resources

Kristiana Cox, Hydrogeologist
Christina Spielbauer, Geologist

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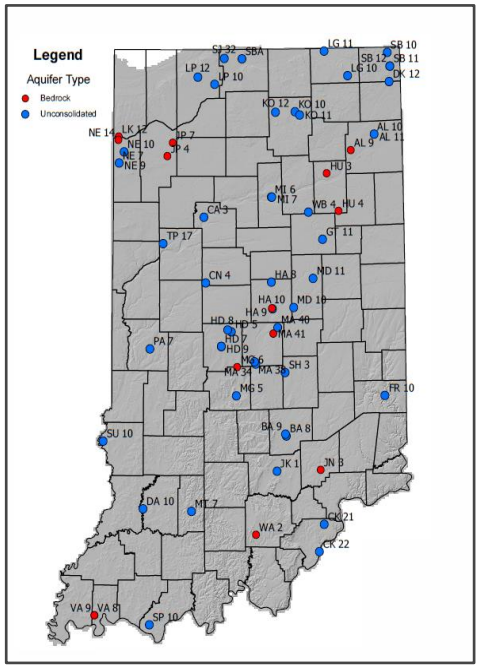
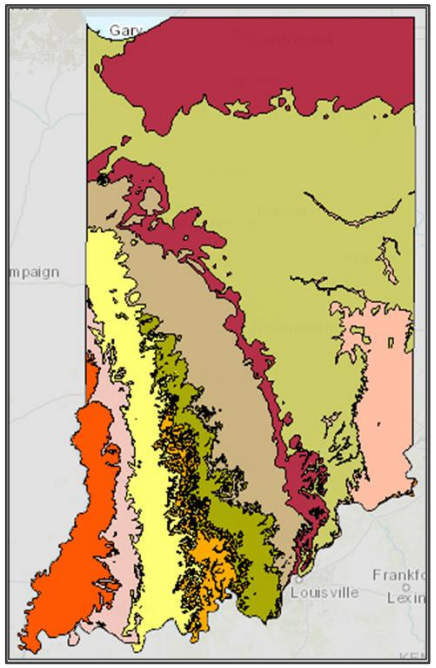
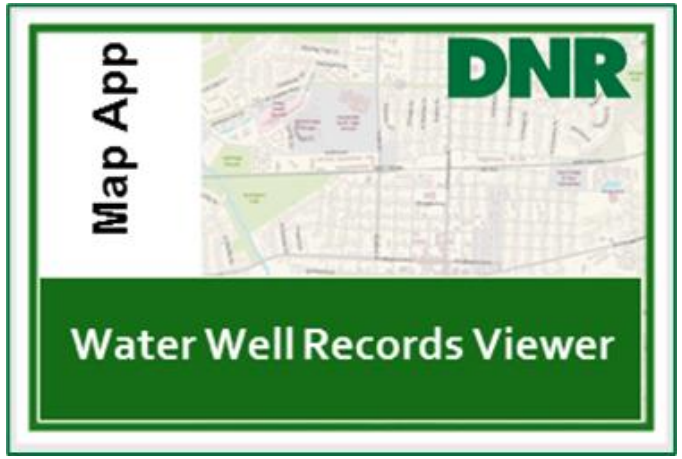
Resource Assessment Section

- IC 14-25-7-11
  - Continuing Assessment of Water Resources
- IC 14-25-8-1
  - May conduct applied research to improve the understanding and management of water resources
- Mapping Products
- Groundwater Monitoring Program
- Water Inquiries
- Monthly & Weekly Water Resource Summary

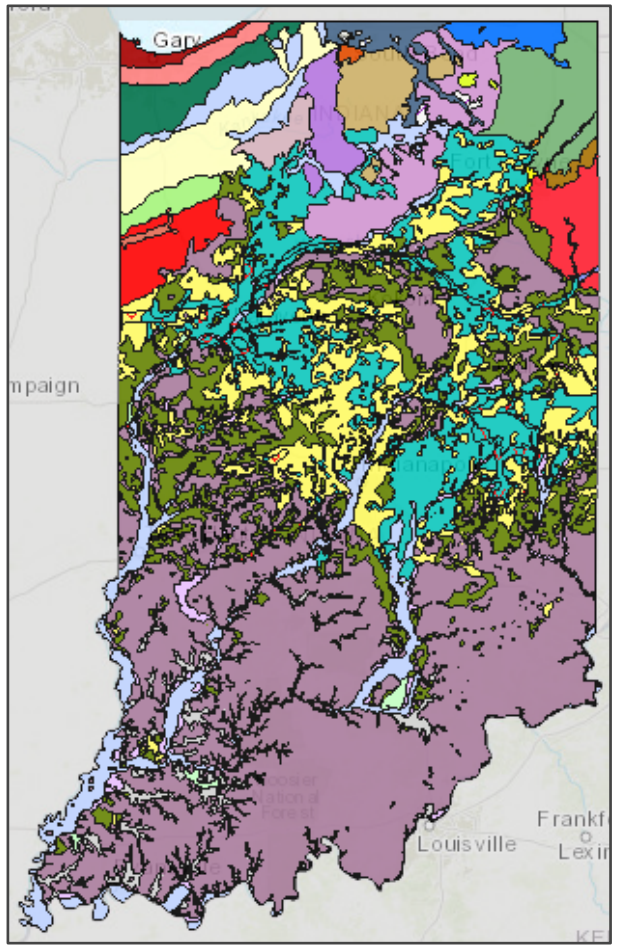




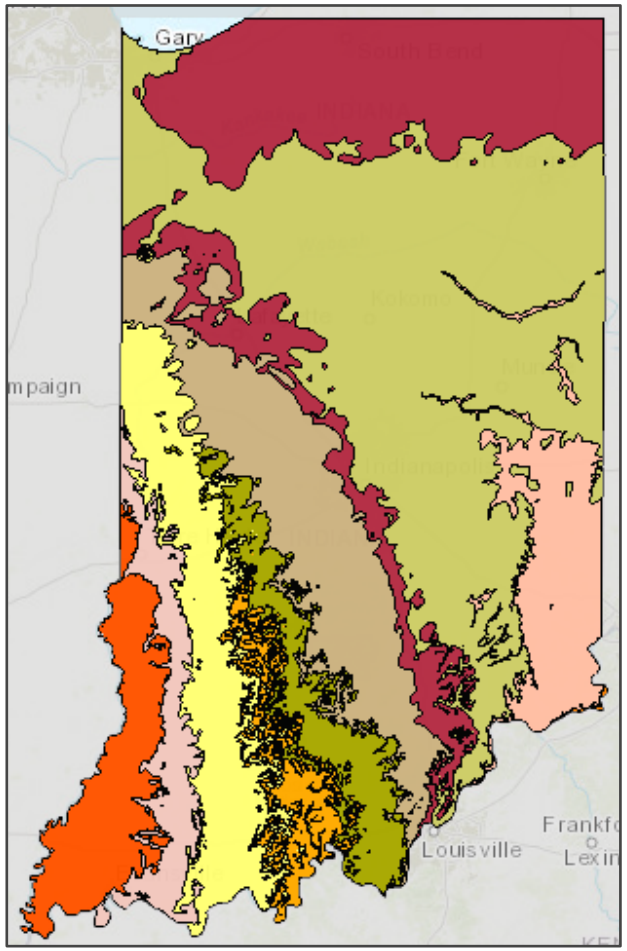


Aquifer Systems Mapping

- Information from groundwater well records, geological surveys, and other hydrogeological data.
- Final Products Include:
  - Separate maps for unconsolidated and bedrock aquifers
  - Text description of the aquifers
  - Registered significant water withdrawal facilities.
- Individual county maps with additional aquifer information and GIS files available on the website.



Unconsolidated Aquifer Systems



Bedrock Aquifer Systems

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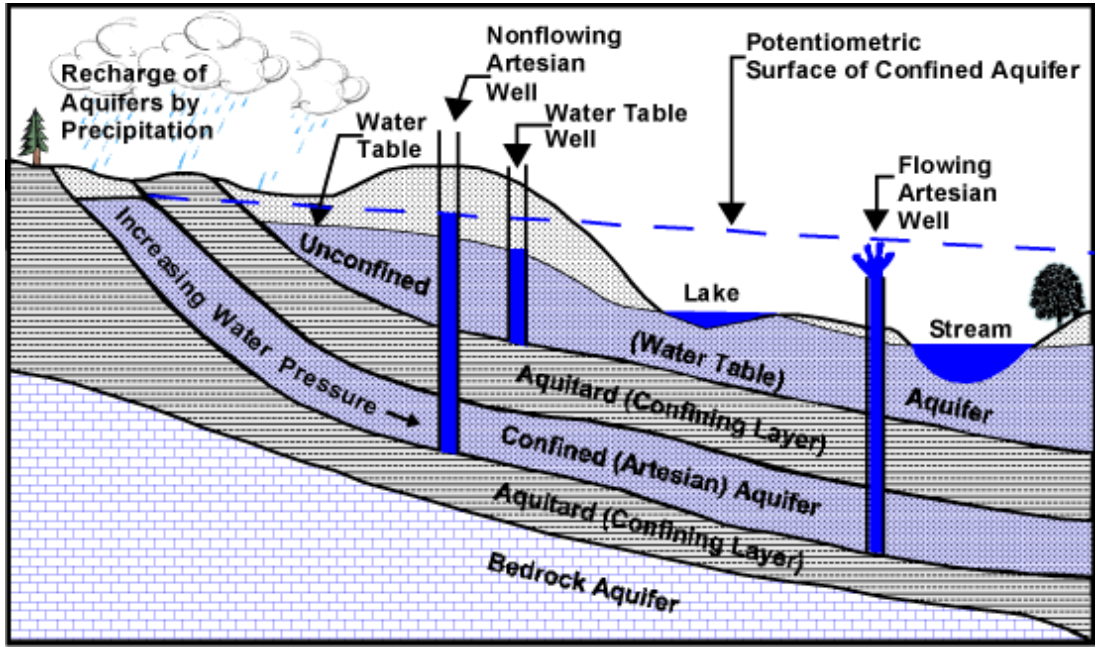
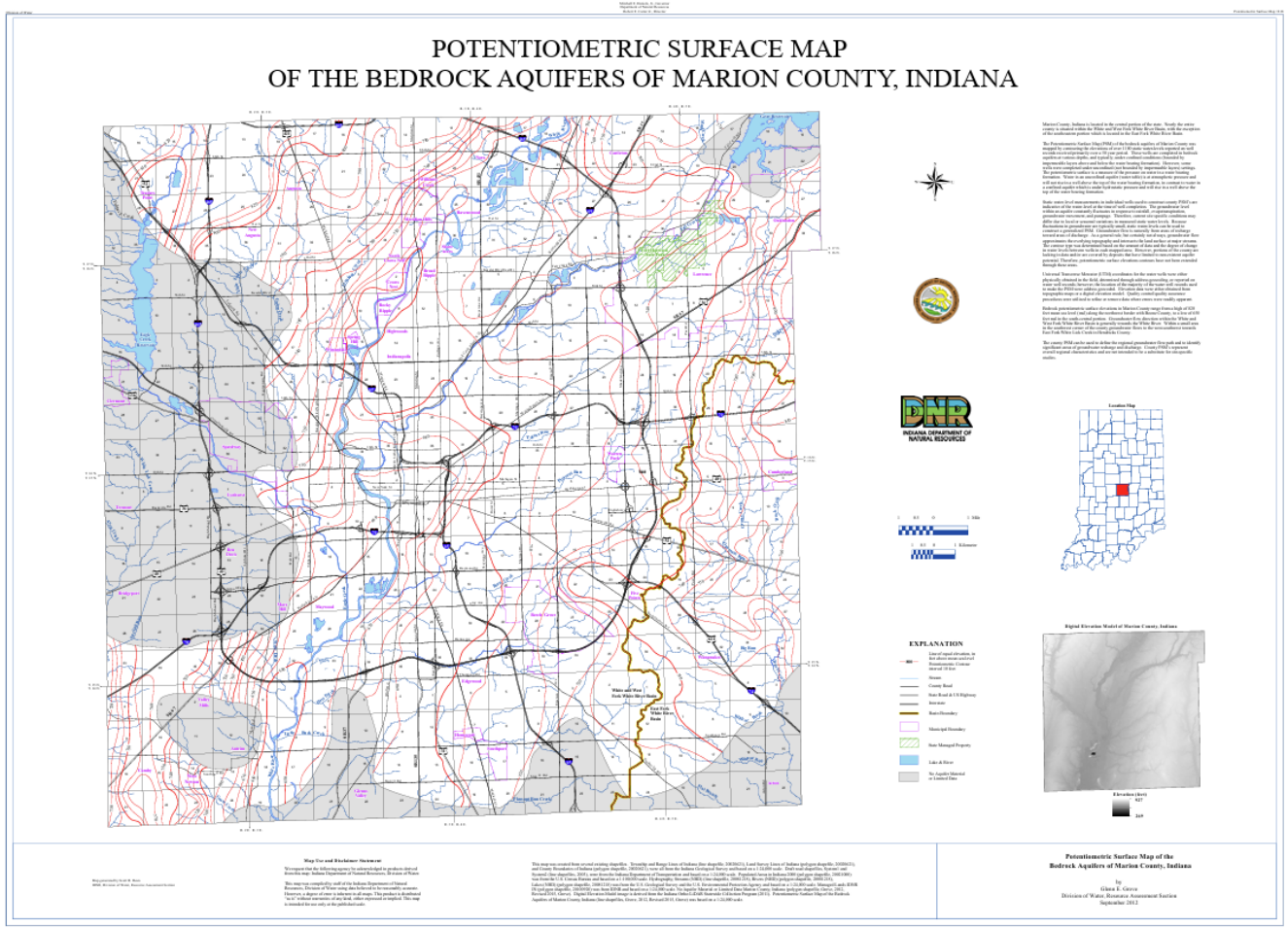
Potentiometric Surface Mapping

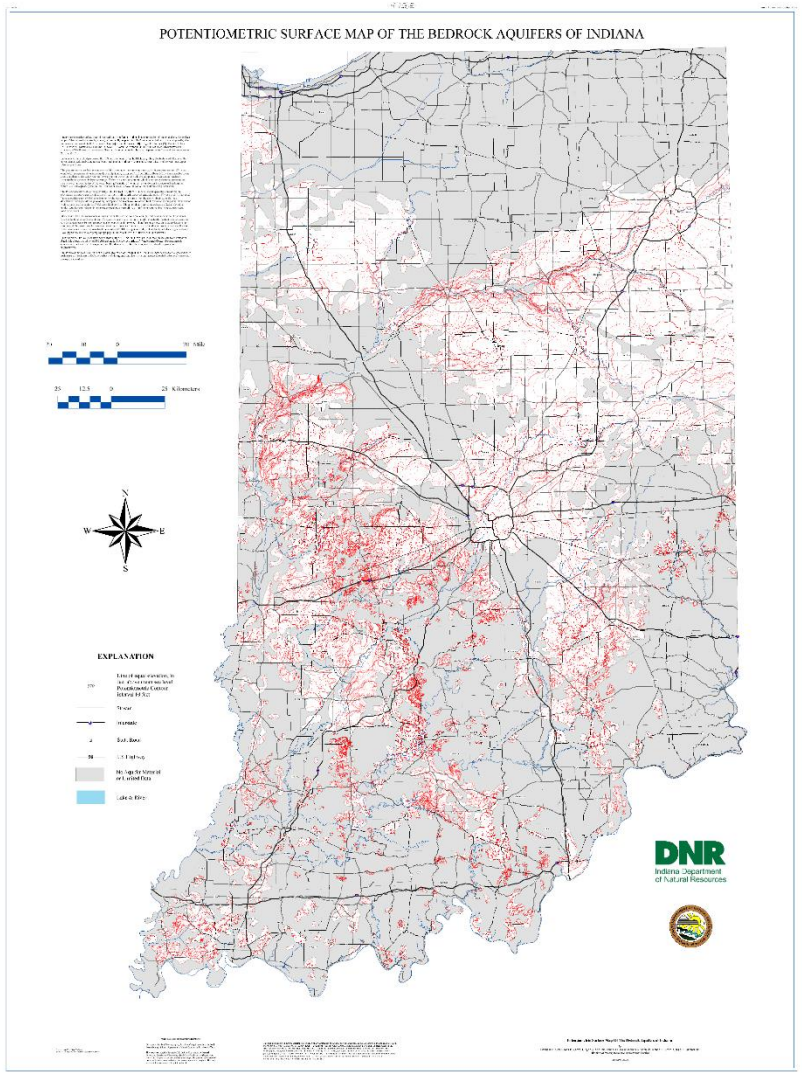
- Maps and digital coverage for unconsolidated and/or bedrock aquifers in individual counties
- Text description of characteristics
- GIS shapefiles used in the PDF version

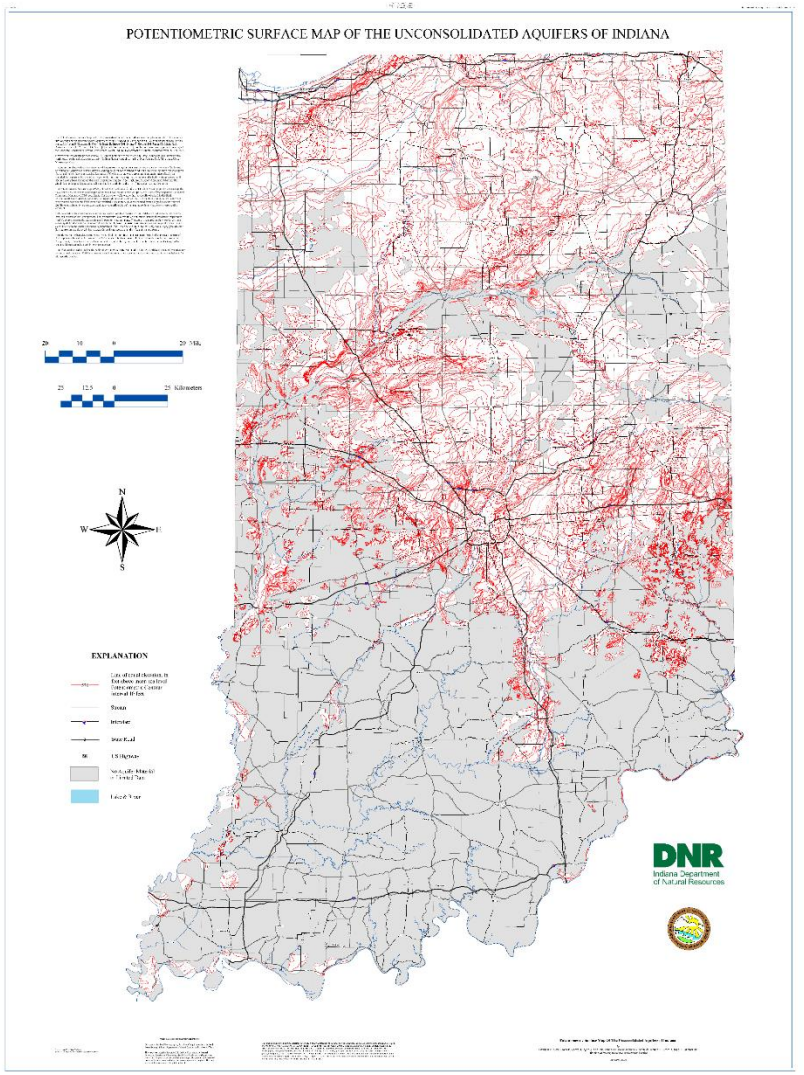




Potentiometric Surface Mapping

- Ultimately form a single consistent statewide map & GIS coverage
- To be viewed on DOW Web Applications and Indiana Map





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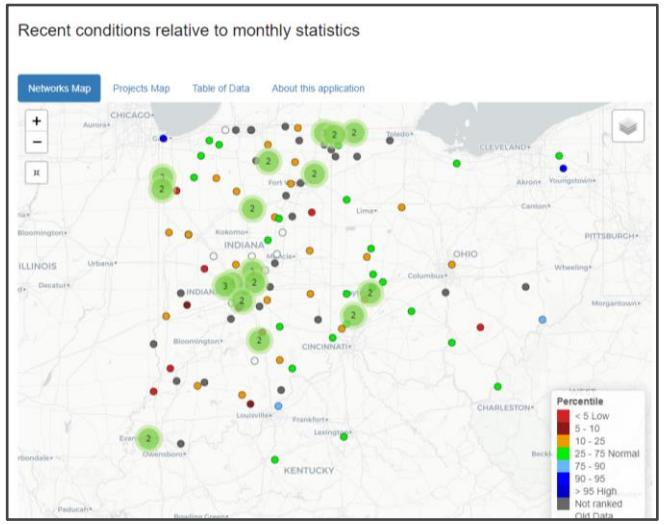
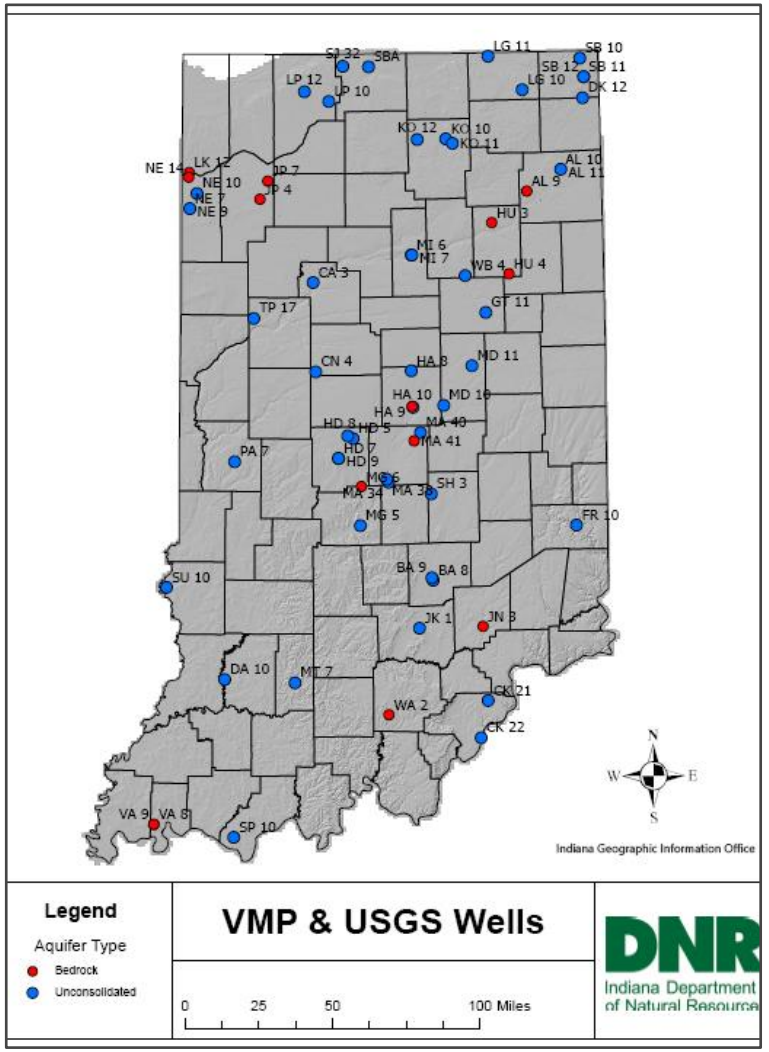
Groundwater Level Monitoring Program

- Collaborative effort with USGS (US Geological Survey)
- 60 wells in the DNR VMP (Volunteer Monitoring Program) and 50 real-time managed by USGS
- RA staff is responsible establishing and maintaining the wells and collecting quarterly data
- USGS receives the data and posts to the OKI (Ohio, Kentucky, Indiana) Groundwater website.





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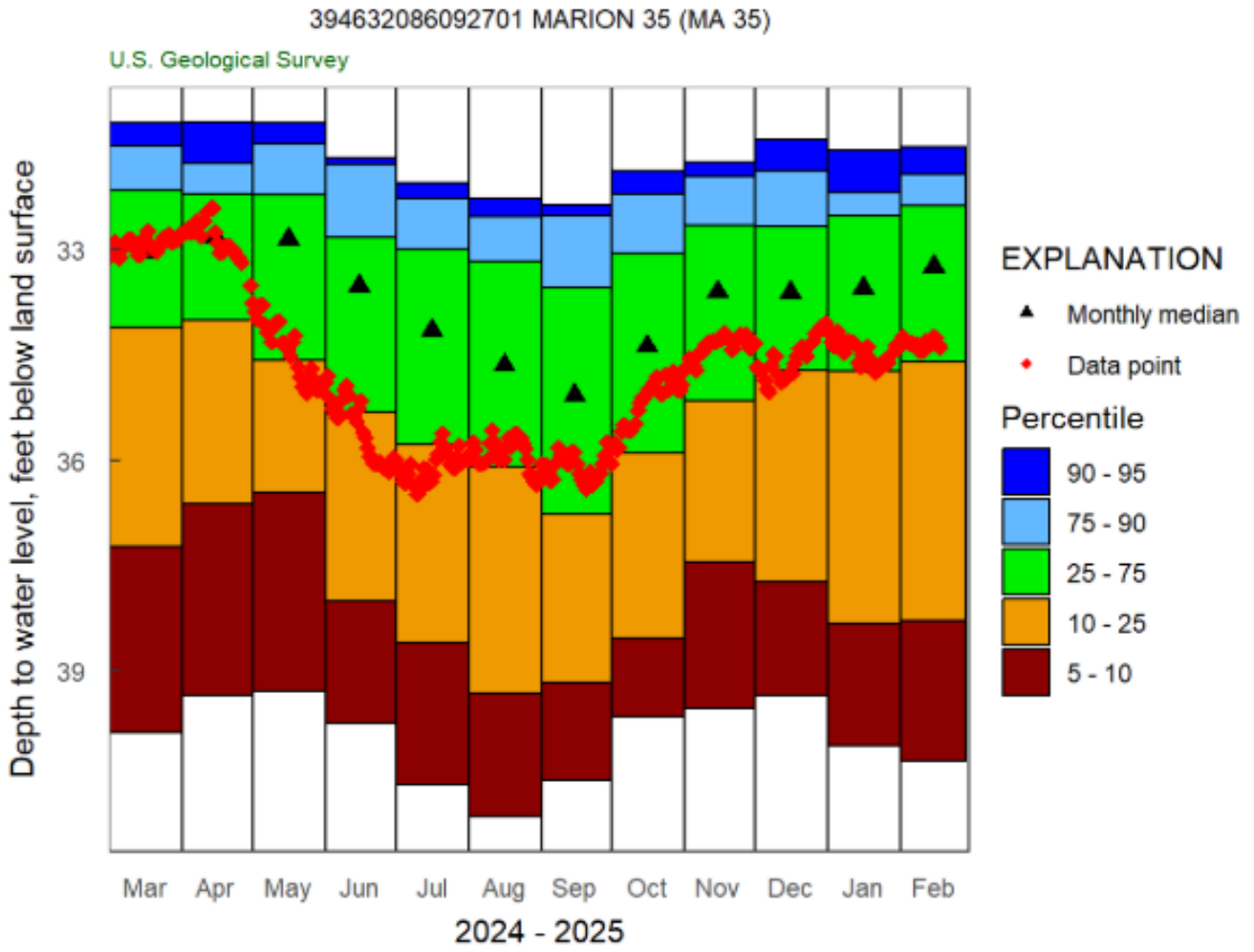
Groundwater Levels in Ohio, Kentucky, and Indiana

- USGS groundwater well data (partially funded by DNR)
- Trend Data Available
- Gives current water depth, highs, lows, etc.



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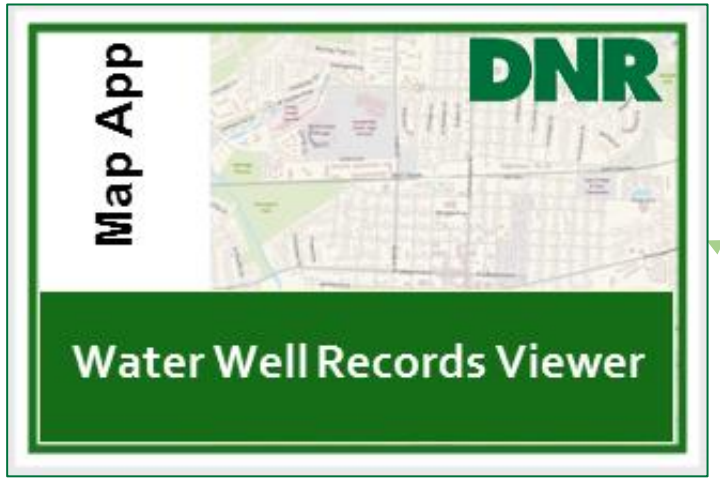
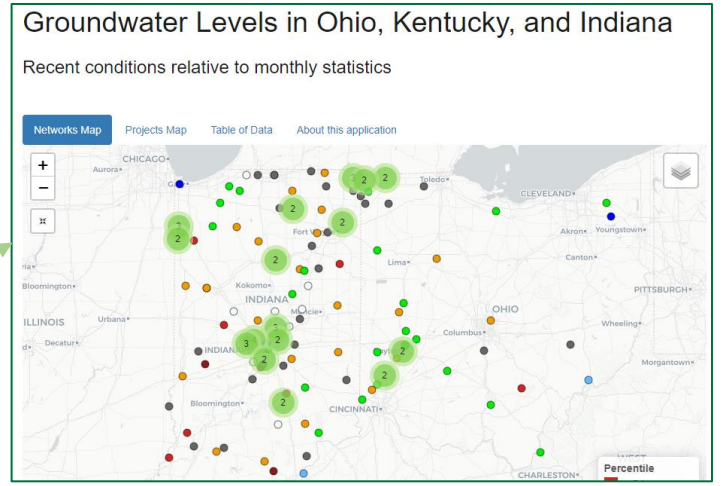
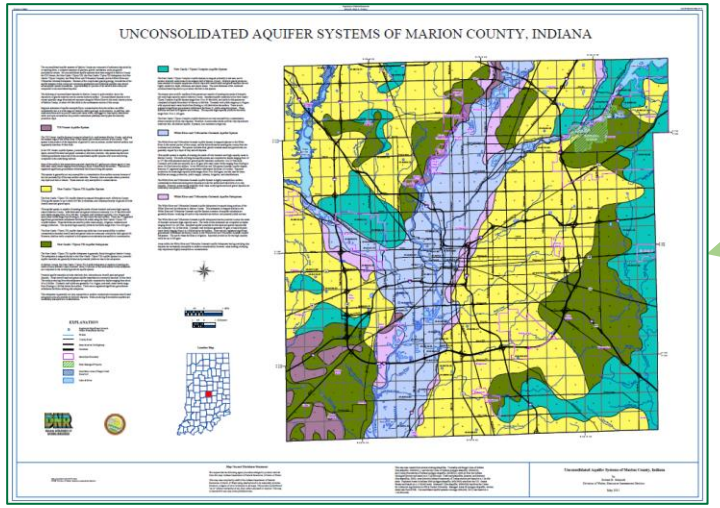
Water Well Record Database



VMP or other wells if nearby

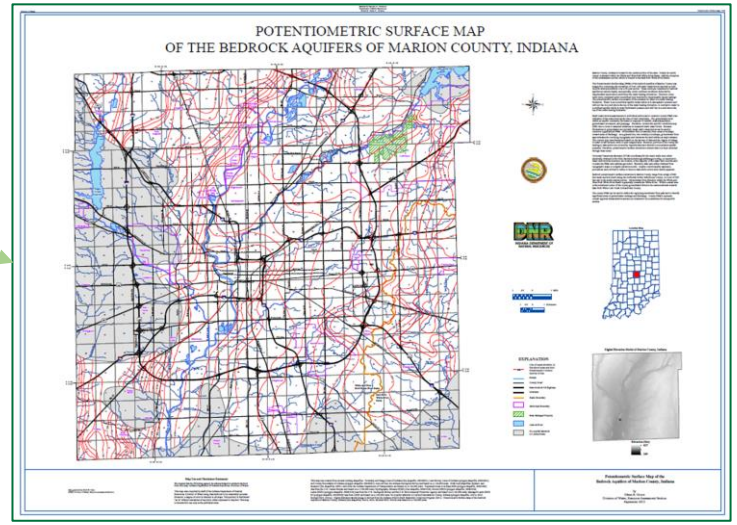


Aquifer Systems Maps



Using Our Products to Answer Water Questions Across the State

Potentiometric Surface Maps



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Weekly Summary: Indiana Water and Soil Moisture Conditions

DNR Indiana Department of Natural Resources

Indiana Water and Soil Moisture Conditions
March 13, 2025

The state of Indiana generally received below normal to above normal rainfall over the week of March 6-13, 2025. The state received 0.03"-0.2" of rain across much of the state with isolated areas of 0.2"-0.5". The state received below normal snowfall over the week, expect for the northeast corner which received up to 2.5" of snow.

Mean temperatures for the week were above to near normal for the state. Mean temperatures ranged from 38.1°F in northeast Indiana to 50.9°F in southwest Indiana. Departure from normal temperature ranged from 2.9°F to 8.5°F.

4" soil water content from the Purdue Mesonet Data Hub on March 13, 2025, indicates a range of 4.3% (very sandy soil) to 39.9% available water with a statewide average of 31.9%.

Soil moisture data from the NASA SPORT Real-time 3km Land Information System is ranging from 40% in northwest Indiana to 70% available water in southeastern Indiana for the 0-100cm soil depth.

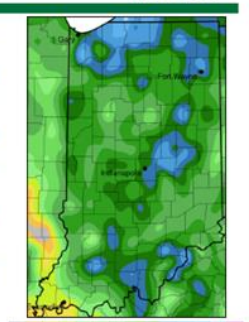
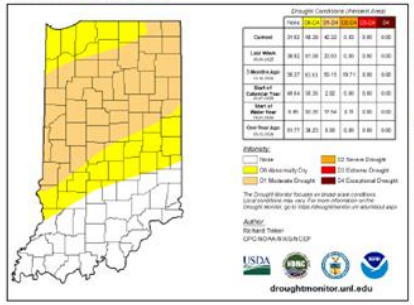


Figure 1. Accumulated rainfall (in.) for March 6-12, 2025, from MRCC.

USDM for the State of Indiana



For March 11, 2025, the U.S. Drought Monitor shows the northern two-thirds of the state are experiencing "abnormally dry" or "moderate drought" conditions. The remaining southern portion of the state is experiencing no drought conditions.

Figure 2. US Drought Monitor for the State of Indiana on March 11, 2025.

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Reservoir Levels as of March 13, 2025

Table 1. Reservoirs managed by United States Army Corp of Engineers.

Reservoir	Brookville	Cecil Harden	Cagles Mill	Monroe	Patoka	JE Roush	Salamonie	Mississinewa
Winter Pool[1]	740.0	640.0	636.0	538.0	532.0	737.0	730.0	712.0
Summer Pool[1]	748.0	662.0	639.5	538.0	536.0	749.0	755.0	737.0
Current Pool[1]	741.0	642.4	636.5	538.6	535.6	738.34	730.39	716.05
% Utilization[2]	2.06	-3.83	0.36	2.75	19.86	0.1	0.1	1.6

Table 2. Reservoirs managed by Citizens Energy Group and NIPSCO**.*

Reservoir	Eagle Creek[3]*	Geist[3]*	Morse[3]*	Lake Freeman[4]**	Lake Schafer[4]**
Normal Pool	790	784.26	809.44	610.35	645.15
Current Pool	788.68	784.50	809.74	610.38	645.16
% Utilization[2]	-5.6%	--	--	--	--

[1]All units in feet and datum NGVD29
[2]Percent of designed flood storage utilized. The other named reservoirs are not designed for flood storage.
[3]All units in feet and datum NAVD88.
[4]All units in feet Local Datum.

Groundwater Monitoring Network as of March 12, 2025

Groundwater wells across the state are generally reporting below normal but range from low to near normal. Data is reported from the U.S. Geological Survey Ohio-Kentucky-Indiana Water Science Center.

Table 3. Groundwater level rankings relative to normal.

Low <5%	Much Below 5-10%	Below 10-25%
Cass 3 Clark 20 Fulton 7 Hamilton 7 Jasper 13 LaGrange 2 Noble 8 Tippecanoe 18 Vigo 7 Wells 4 Whitley 3	Benton 4 Elkhart 4 Knox 8 La Porte 9 Marion 39 Morgan 4 Randolph 3	Bartholomew 4 Boone 17 Decatur 2 Grant 8 Jefferson 5 Knox 7 Newton 8 Posey 3 Pulaski 7
Near Normal 25-75%		
Delaware 4 Grant 10 Harrison 8 Lake 13	Marion 35 Martin 5 Parke 6 Shelby 2	Vanderburgh 7 Wayne 6
Above 75-90%	Much Above 90-95%	High >95%
None	None	None

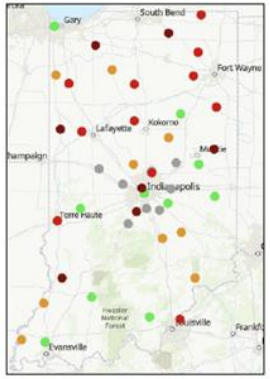

Figure 3. Map of USGS real-time groundwater monitoring wells.

Page 2 of 4

Streamflow Conditions as of March 13, 2025

Streamflow conditions are generally below to much below normal across the state. There are 38 gages reporting normal conditions for the date. There are 1 reporting above normal, 0 reporting much above normal, 1 reporting an all-time high for the date, 67 reporting below normal, 33 reporting much below normal, and 13 reporting an all-time low for the date.

Currently, 52% of stream gages indicate steady flow conditions; 12% are increasing and 34% are decreasing.

Average observed streamflow at real-time USGS observing sites over the past 7-days ending March 11, 2025, averaged 0% reporting an all-time low, 5% much below normal, 31% below normal, 58% near normal, 5% above normal, 1% much above normal, and 0% reporting an all-time high.

USGS and NWS report none of the stream gages in "minor, moderate, or major flood stage" and none of the stream gages are in "action stage". The NWS Long Range Flood Outlook predicts 7 gages with a 50% or greater chance of being in "action stage" through May 2025.

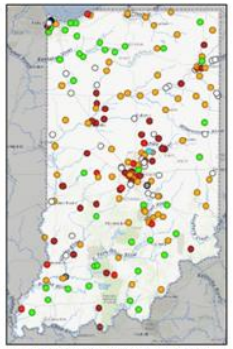

Figure 4. Map of USGS streamflow gages for Indiana.

NOAA 7-Day Quantitative Precipitation Forecast

For March 13, 2025, the 7-Day Quantitative Precipitation Forecast valid for March 13-20, 2025, predicts 1.00" of precipitation in northwest Indiana to 2.50" of precipitation in southeast Indiana. Precipitation is generally predicted to occur early in the week and in the later part of the week.

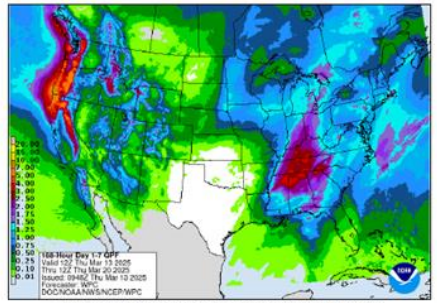

Figure 5. NOAA 7-Day Quantitative Precipitation Forecast, March 13-20, 2025.

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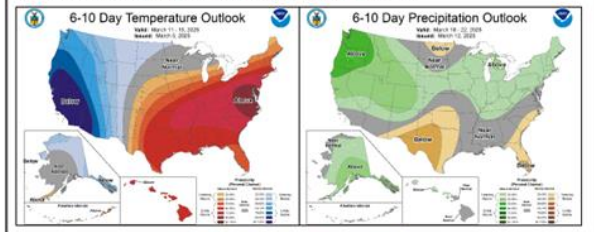
NOAA National Weather Service 6-10 Day Outlook

The 6-10 Day Temperature Outlook for March 18-22, 2025, projects a 50-70% chance of above normal conditions across the state with the highest percentages in the northern two-thirds of the state. The Precipitation Outlook projects a 33-40% chance of above normal precipitation for the state.



Figures 6-7. 6-10 Day Temperature and Precipitation Outlook for the US

Acknowledgments:

Prepared by DNR-Division of Water, Resource Assessment with data from the following organizations:

Temperature and precipitation data:
Midwestern Regional Climate Center
CoCoRaHS Mapping System

Soil data:
NASA, Short-term Prediction Research and Transition Center
Purdue Mesonet Data Hub

Reservoir data:
US Army Corp of Engineers, Louisville District
US Army Corp of Engineers, Chicago District
Citizens Reservoirs at NWS River Observations
NIPSCO Hydro Plant Lakes

Groundwater data:
U.S. Geological Survey Ohio-Kentucky-Indiana Water Science Center

Streamflow data:
USGS National Water Dashboard
NWS River Forecasts
USGS WaterWatch

Drought data:
US Drought Monitor

Forecast:
National Weather Service, Climate Prediction Center
National Weather Service, Weather Prediction Center

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Monthly Water Resource Summary

- Current data compared to long-term climate trends.

- Including data for:
  - Precipitation
    - Standardized Precipitation Index (SPI)
  - U.S. Drought Monitor
  - Streamflow
  - Lake Michigan levels
  - Reservoirs levels
  - Groundwater levels

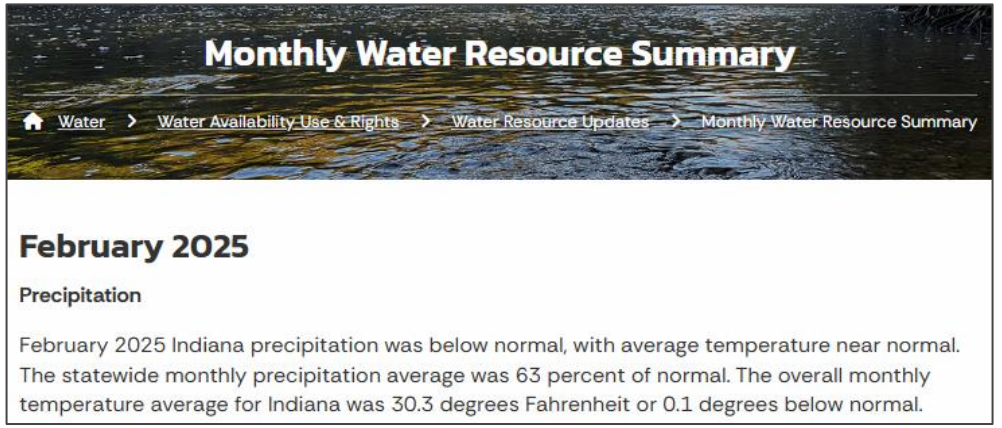
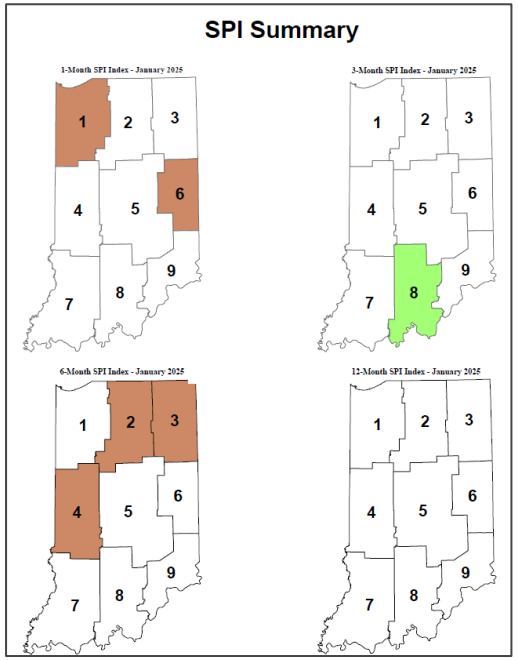


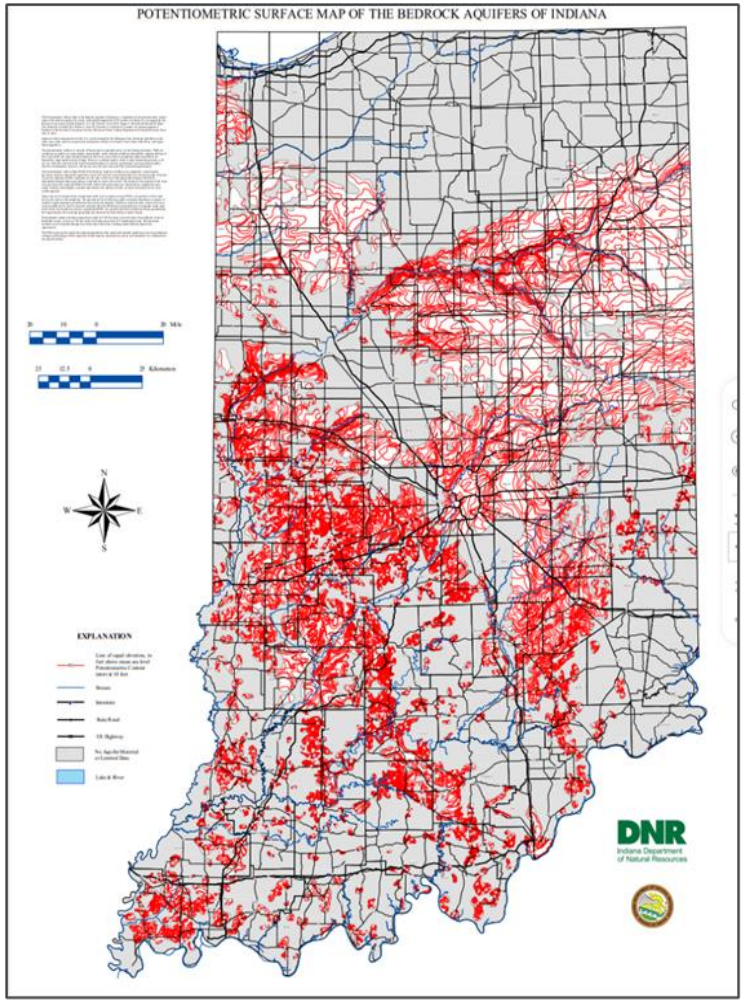
Table: Percent of Normal Precipitation

Climatic Division	Region of State	Normal Precipitation January (in)	Precipitation January (in)	Percent of Normal January
1	NW	2.38	0.88	37.0%
2	NC	2.57	1.24	48.2%
3	NE	2.50	1.25	50.0%
4	WC	2.82	1.09	38.7%
5	C	2.99	1.31	43.8%
6	EC	2.94	1.15	39.1%
7	SW	3.39	2.39	70.5%
8	SC	3.56	2.77	77.8%
9	SE	3.37	1.97	58.5%



Upcoming Products

- Mappers, dashboards, enhanced web access to new and existing products:
  - Voluntary Monitoring Program Dashboard
  - Lake Level Dashboard
  - Aquifer Systems Story map
  - Statewide Unconsolidated and Bedrock Potentiometric GIS layers
- Recurring Products
  - Weekly: Indiana Water and Soil Moisture Conditions
  - Monthly Water Resource Summary



Questions?

Contact us:

water_inquiry@dnr.IN.gov
317-232-4160

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