



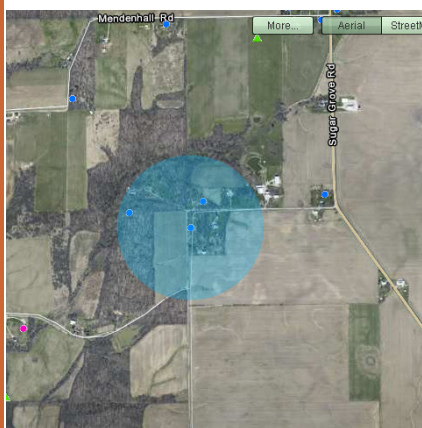
# Driller's Bits



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## INDIANA'S ENHANCED WATER WELL WEB VIEWER: A great tool made even better!

In August, 2011 the Indiana Department of Natural Resources, Division of Water (IDNR/DOW) launched an enhanced version of Indiana's online



Example of the Buffer Option

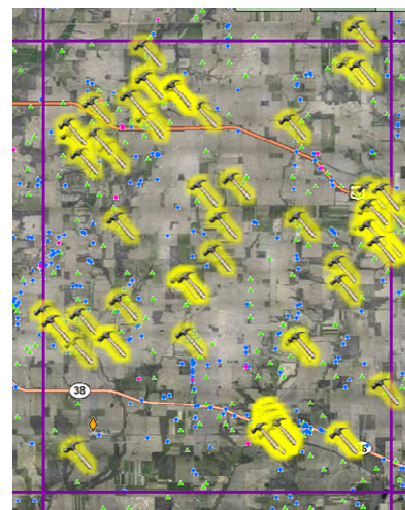
GIS mapping application providing users with advanced capability to query the approximately 415,000 records of water wells.



Introductory Page

This new user interface application greatly enhances the functionality of the web interface with easy to use tools for the basic user as well as user defined query capability for more advanced users.

Along with basic display of water wells and other user selected map layers such as; county, highways and local roads, PLSS, aerial photography and USGS 7.5 minute topographic quadrangles, the updated version also provides search by address capability and the addition of registered significant water well facility information. More advanced tools allow users to utilize multiple search options to identify and query specific water well information for individual and multiple water wells. Available well fields include, but are not limited to, total well depth, well capacity, and static water level with the added option of limited data export capability in CSV and TXT format. Both the enhanced and basic web viewers are accessible from the IDNR/DOW Water Well Record Database Web Page located at <http://www.in.gov/dnr/water/3595.htm> Questions or comments can be answered by using the help page or directed to our toll free number at 1-877-928-3755.



Screen Capture of query results showing well depths less than 50 Ft on Green Forks Topographic Quadrangle near Richmond, IN

Call 317-234-1087  
for free packet of study  
materials & to register for  
an exam!

**2012 Water Well Driller and Pump  
Installer Exam Schedule:**

**February 17   April 13  
August 10   October 12**

Remember Continuing  
Education Credits are Due  
by  
December 31, 2012



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## **IDEM Update: Ground Water Use Restrictions at Petroleum and Hazardous Substance Sites in Indiana**

Ground water contamination is a significant issue, and local ordinances and state regulations can make an impact on the day-to-day operations of well drillers; especially ground water use restrictions. Indiana law allows petroleum and hazardous substances to remain in ground water if use restrictions are enacted that prevent human exposure. Well drillers should be aware of the properties and locations where new potable well installation is prohibited. The two main ways ground water use restrictions are enacted in Indiana are legal controls called **environmental restrictive covenants (ERCs)** and **environmental restrictive ordinances (EROs)**. The ERC (Indiana Code 13-11-2-193.5) is a legal document that limits or eliminates human exposure to contamination by restricting activities or use at a specific property. One of the most common restrictions applied is a prohibition on the installation or use of potable water wells. While it is the property owner's responsibility to comply with ERC restriction language, and there should not be a request to install a well on a site with a ground water use restriction, this information is being provided for general awareness. An ERO (Indiana Code 13-11-2-71.2) is a type of ordinance enacted by a county, city, or town that prevents exposure to ground water contaminated by petroleum or hazardous substances. EROs may range in size from a small number of land parcels to entire municipal corporate limits. The exact wording of an ERO may vary, but **most prohibit the installation of new potable water wells.**

### **How can well drillers locate properties with ERCs?**

Consult IDEM's Institutional Controls Registry at the website [www.idem.in.gov/5959.htm](http://www.idem.in.gov/5959.htm). Then click on the link entitled "IDEM Institutional Controls Registry (PDF)." A summary report of properties organized first by county, then city, address, and site name will open. A list of land use restrictions is provided for each site, many of which include a ground water use restriction. Please be aware that the IDEM Institutional Controls Registry is not a complete list of all areas of ground water contamination in the state of Indiana. Another tool that may be used is the geographic information system "IndianaMap" located at the website <http://inmap.indiana.edu/viewer.htm>. On the right side of the screen, click on the Environment/Biology folder, then click on the Environment folder, and select Institutional Controls Sites. Zoom into the area of interest. If more information is desired about a particular site, the Information or "i" tool on the right tool bar may be used.

### **How can well drillers locate areas that may be subject to an ERO?**

IDEM recommends contacting the local government unit (or well permitting authority if one exists) to ask if they have an ordinance prohibiting the installation or use of potable wells at this time. The long-term goal for IDEM is to include ERO sites/areas within the above-mentioned IDEM Institutional Controls Registry, but they are not available at this time.

### **EROs, ERCs, and Well Records**

The increasing use of ERCs and EROs makes it very important that accurate well logs are completed and filed promptly with the Department of Natural Resources (DNR). A search of the DNR water well database utilizing the water well web viewer is one of the tools used during site investigations to identify possible well users in areas of contamination. It is also important to complete well abandonment logs for the same purpose.

IDEM Office of Land Quality staff contacts for further questions include Pat Colcord at (317) 234-2513 or Nancy Dollar at (317) 234-4814. Thank you!

