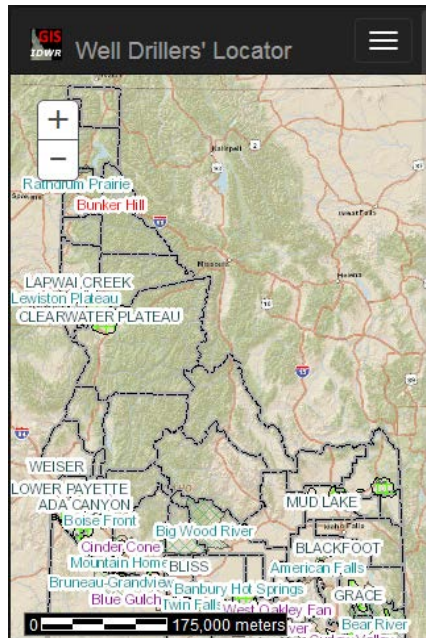


# Using the Well Drillers' Locator Tool

Web address: <http://maps.idwr.idaho.gov/map/Locator>

Last updated September, 2015

Questions? Contact [GISInfo@idwr.idaho.gov](mailto:GISInfo@idwr.idaho.gov)



## Initial Dialogs and Map

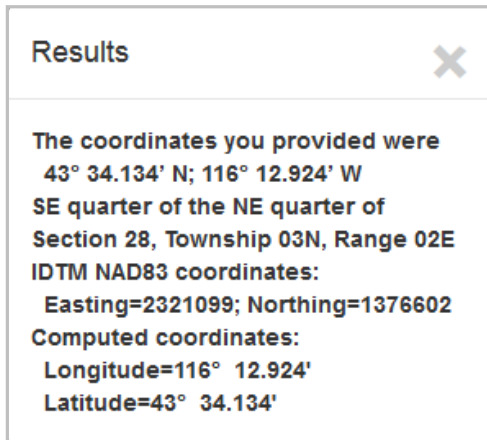
When you browse to the **Well Drillers' Locator** tool, you will see a conditions-of-use disclaimer and then a dialog, entitled **Locate by...**, which allows you to find your drilling location on the map by entering coordinates from your GPS. You can navigate by using the "zoom" controls (+/-), in the upper, left corner of the map. You can click (or touch) and drag the map to position it. Pinch/pull gestures can be used on mobile devices.

The use of this tool to locate features, such as wells and water-rights related points-of-diversion, is encouraged. The map controls and behavior have been customized to aid drillers and to minimize the possibility of errors on well drillers' permits. If you use map-coordinates in order to position the map, that location will be shown as a yellow "dot" in the center of the map. If you used some other method, such as address or county name, there will be no yellow dot. This application is a simplified version of the full-featured map, which can be found at: <http://maps.idwr.idaho.gov/Map>

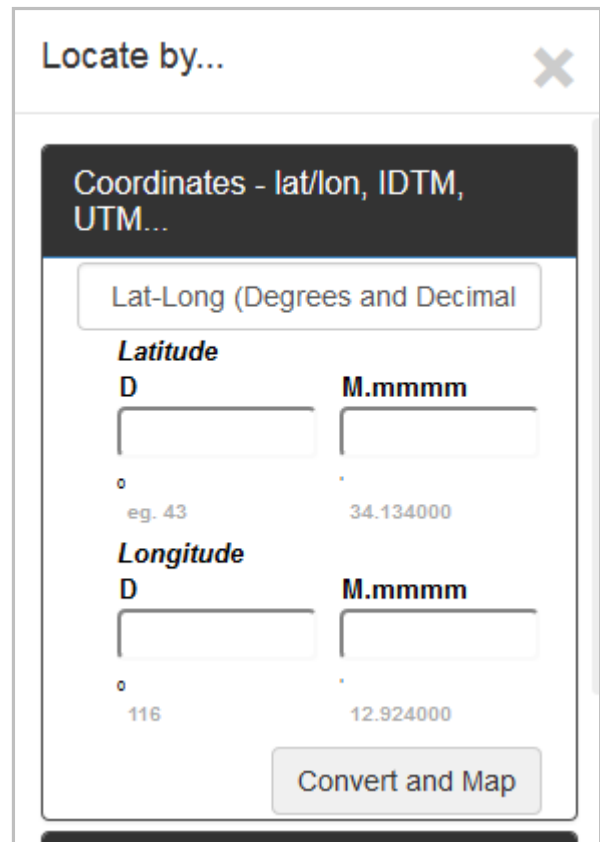
## Finding Your Coordinates

If the **Locate by...** dialog is not shown, click **Find Location**, on the navigation bar.

Enter your coordinates and click the **Convert and Map** button. If you entered a coordinate pair you will see the coordinates you entered, latitude/longitude (in degrees, decimal minutes), legal description and IDTM coordinates in a **Results** dialog. For example:



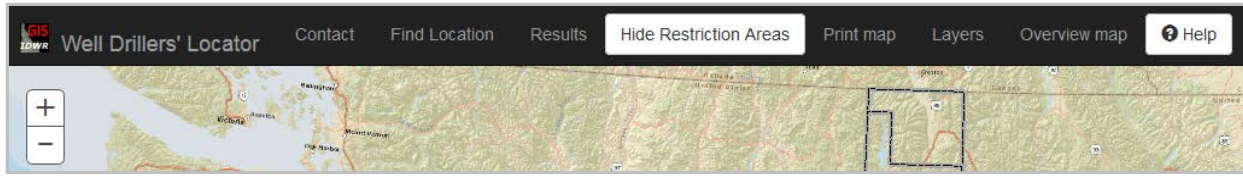
The map will zoom to those coordinates and reposition itself to show that location in the center of the map.



You can use the **Locate by...** tool to find your area of interest by other methods, such as legal description, address or stream name. The location will be marked by a semi-transparent red dot (or dashed line, for streams) for ten seconds. There will be no yellow dot or **results** unless map/GPS coordinates are used for location.

## Map Tools

If you use the application on a desktop or laptop computer, the navigation bar shows the tools – each word or small phrase acts as a button. For example, *Print map*. If you use the application from a smart phone or tablet browser you will see an icon with three stacked, vertical bars. Click that icon to show the list of tools.



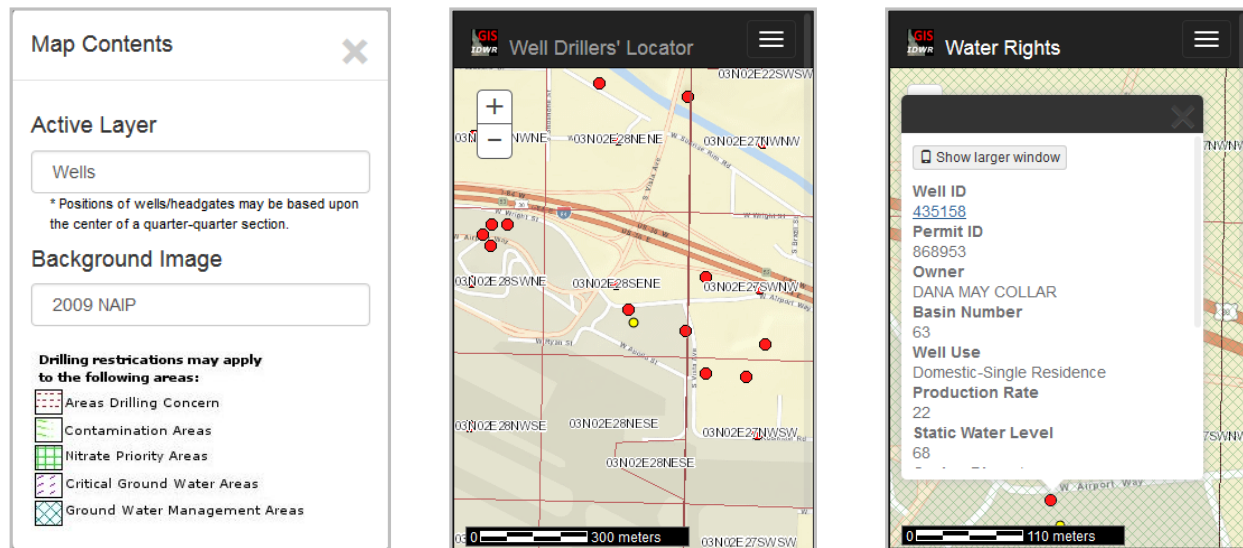
Access the IDWR's home page and contact information by clicking on the **IDWR GIS** icon or the **Contact** button. Enter your GPS coordinates, or find your location by some other means, using the **Find Location** tool. If you entered coordinates (latitude/longitude, IDTM, UTM, etc.), review your "results" using the **Results** tool. Use the **Hide Restriction Areas** tool to hide the areas where drilling is restricted, such as *Areas of drilling concern*, *Critical ground water areas*, etc. – those layers can make the map hard to read.

**Well Drillers:** Make sure that a yellow dot is shown where you expect it; your drill site should be shown in the center of the map. That dot represents the coordinates you entered. If the yellow dot is not visible or is not on the drill site, click the **Find Location** button and re-enter your coordinates.

The scale-bar which overlays the lower, left corner of the map shows the approximate map scale, in meters/inch.

## Viewing Wells or Water Rights Layers

Click on the **Layers** button and select **Wells** from the **Active Layer** drop-down list on the **Map Contents** dialog. Wells will be represented by red dots on the map. Click on one of those dots to see a pop-up dialog containing details about that well. The well characteristics, including depth, well-use and a link to the original well driller's log are shown. If you are using a mobile device you may need to click the "Show larger window" button in order to be able to scroll the pop-up dialog to see all of the information.



View any of the four water rights points-of-diversion layers in the same manner as the wells layer.

## Overview Map

Use the overview map to see what portion of Idaho is visible on the map. If you provided map/GPS coordinates, the map-area may show as a very small dot.





## Showing/Hiding Drilling-Restriction Areas

Click the **Hide Restrictions Areas** button to hide the drilling restriction areas; explained, below.

### Drilling Restriction Areas Legend



The legend shows a key to which drilling restrictions, if any, apply to the area that you are viewing. In the image below, most of the area is covered by green, wavy lines which indicate *Contamination Areas*. The lower, right corner of that image shows a blue cross-hatch which means that it is within a *Ground Water Management Area (GWMA)*. That *GWMA* completely covers the rest of image, meaning that most of the land represented in the image is covered by two areas of drilling restriction.

**Drilling restriction areas are hidden.**



**Drilling restriction areas are shown.**

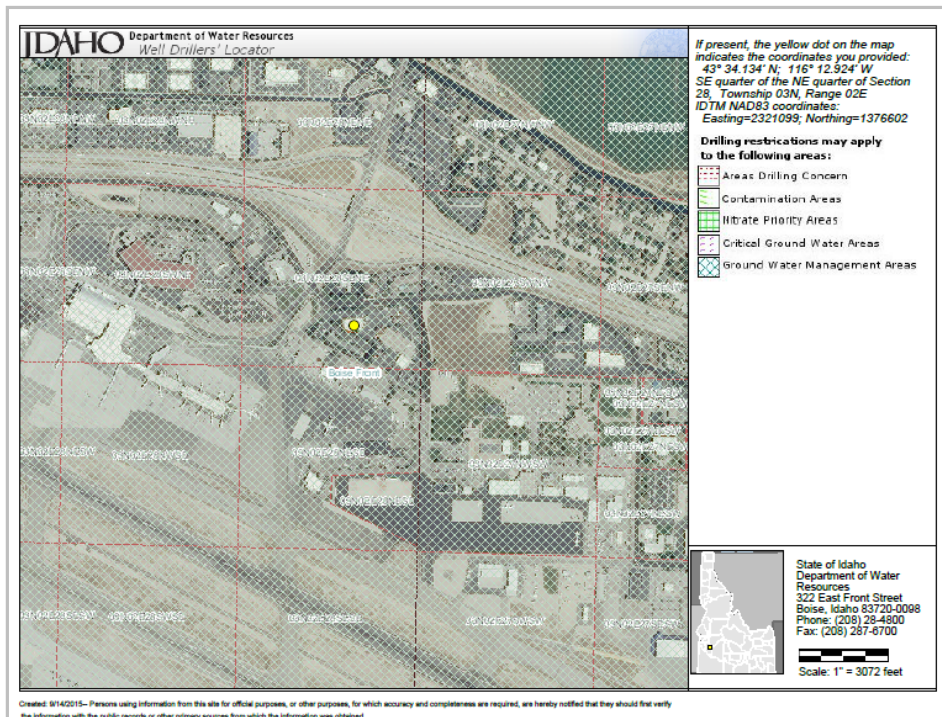


## Changing the Background Image

Click the **Layers** button and select a different background image from the drop-down list.

## Printing a Map

Click the **Print Map** button to print a map of the area shown on the screen, with legend and the results derived from your GPS coordinates. Areas of drilling restriction cannot be hidden on the printed map.



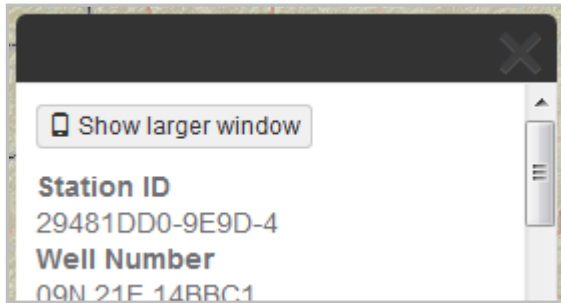
## Mobile Devices and Browsers

This application is designed to be used on any “personal computer,” from large desktops to small smart phones. However, the interaction between the user and the interface varies widely with the size, resolution and type of hand-held, touch-capable devices, be they cell phones or tablets. It has been tested on Android tablets and phones. For Android devices, the native browser and Chrome work the best. It works on iOS devices from the iPhone 3, forward. The Opera browser is not recommended on iOS devices. The application has not been tested on Windows phones except to ensure basic functionality – displaying and navigating the map and identifying wells sites.

### Improper Scrolling on Mobile Devices

If you cannot get the pop-up window to scroll on your phone or tablet, click the **Show larger window** button; the information will be moved to a larger, mobile-friendly window.

Default dialog



Scrollable dialog



### Hiding the Dialog

In order to dismiss the pop-up dialog that shows details for a well or water right **you must use a long-touch gesture on the “X” in the upper, right hand corner of the dialog**. Just tapping the “X” will cause the map to act as if you meant to get details about another feature, positioned where the “X” is located.

### Make the Map Faster

The background map on the initial screen is there to show major features to allow you to find your area of interest. You can make the map respond more quickly by turning it off.

To turn off the background image, click **Change Layers** on the navigation bar. Click the “Background” checkbox to remove the checkmark, or click the drop-down list, beneath the checkbox, and change the value to “None selected.”

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