*Montana Fish,*
*Wildlife & Parks*

# Hunt Planner Mapping System User Guide

## Contents

## Introduction - **Multiple Mapping Systems Combined**

- The Hunt Planner, BMA Mapping System, and Upland Game Bird Mapper are one mapping system.  Opening the map from different links opens the map with different layers turned on.  All layers are viewable from whichever link the map is opened.  Links to all FWP Maps can be found on the FWP Maps page.
- The "FWP Access Opportunities" layer folder provides the ability to view the FWP Access Opportunities layers simultaneously.  To turn on layers, click the Layers tab Layers Legend and then click in the box next to the layer name (a check mark appears when the layer is visible in the map).
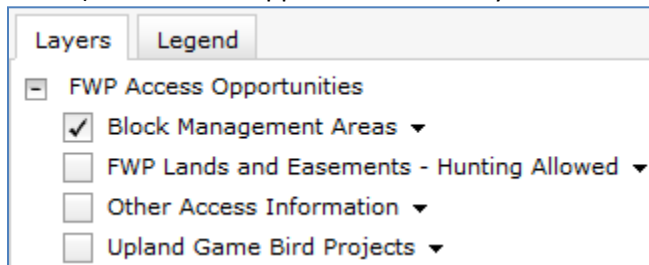


## Map Navigation

- Map navigation tools are located in the upper left corner of the map.  Tool tips indicating what the tool does will appear by hovering the mouse over the tool.



Previous extent
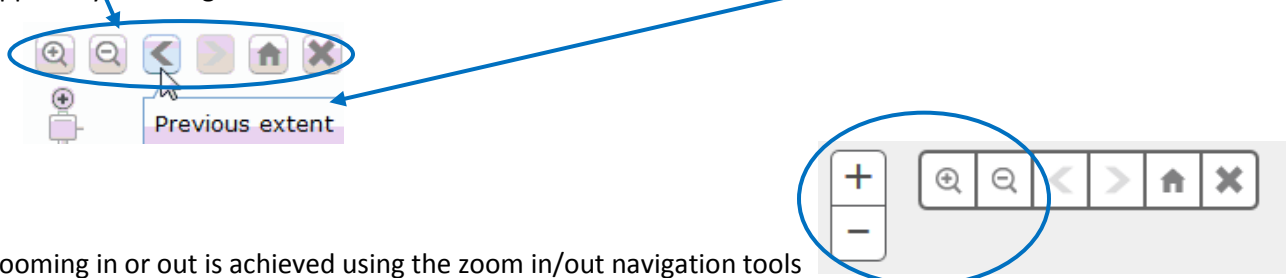


- Zooming in or out is achieved using the zoom in/out navigation tools or scrolling the mouse wheel forward or backward.
- To pan (re-center) the map, left click in the map and hold as you drag the mouse to the desired location.
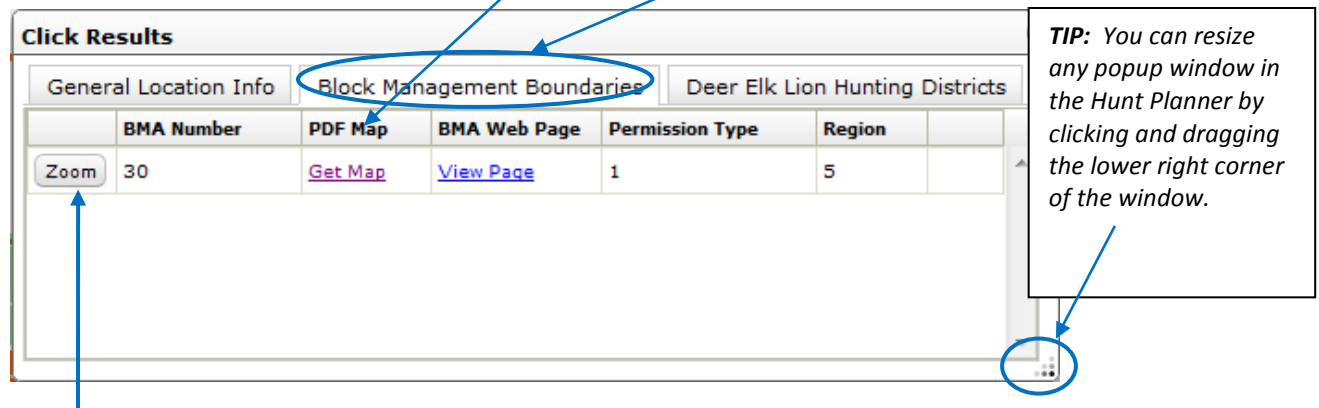
## Basemaps

- Basemap options can be chosen by clicking on the desired basemap from the Basemaps dropdown menu in the upper right corner of the map.
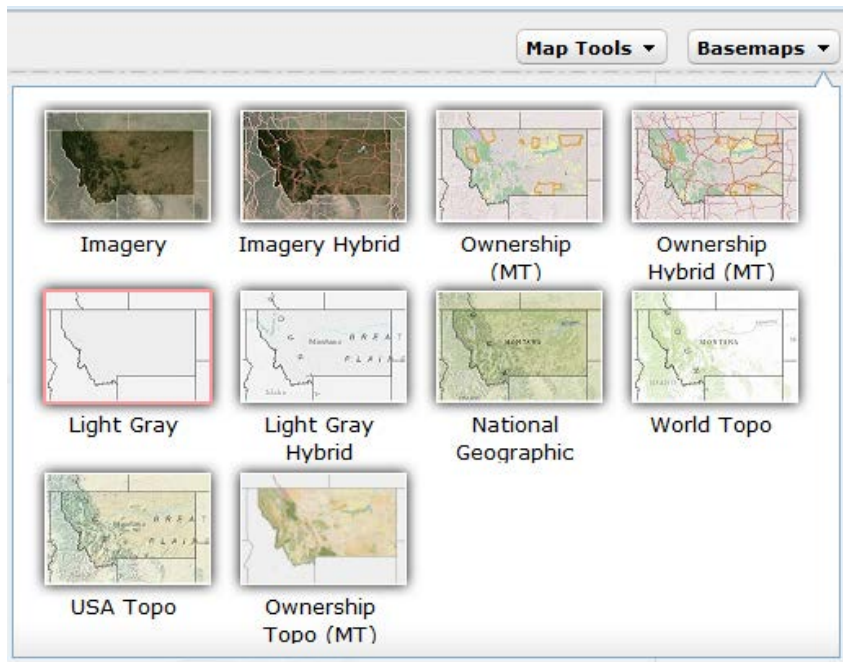


## Querying Layers for Additional Information

- Multiple layers can be queried at once by single clicking in the map in an area of interest. The Click Results window displays a tab for each visible layer with features occurring at the clicked location. Click on the tab of the layer of interest to see that layer's attributes.
- Many layers have links to Web pages and/or printable PDF maps with more detailed information for the features that were clicked.
  - **NOTE:** This is particularly useful for downloading and printing individual BMA PDF maps with rules and access information for the field (click on the "Get Map" link).



*TIP: You can resize any popup window in the Hunt Planner by clicking and dragging the lower right corner of the window.*

- Click the Zoom button in the Click Results window to zoom the map to the feature.

## Map Tools

Search, Create GPS File, Draw\Measure, and Print\Export Map tools are available from the Map Tools dropdown menu in the upper right corner of the map.  Tools are turned on by clicking in the box beside a tool in the Map Tools dropdown.
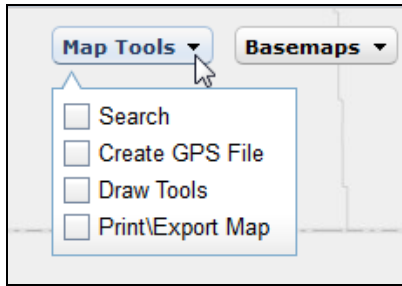


### *Print\Export Map Tool*

1. Turn on the Print\Export Map tool from the Map Tools dropdown.
2. Type in the Map Title (optional), choose the layout option, choose the Georeference Info option (optional), and click Print\Export Map.



When the map export has been generated, the PDF image will open in another tab in your web browser.  You can save the file to your computer from the File menu of your web browser.

#### What are georeferenced or geospatial PDFs?

Georeferenced PDFs have the same features as standard PDFs but also allow those with mobile devices to utilize 3rd party applications for viewing their current location within the PDF map if the mobile device supports location services. Georeferenced PDF maps, once loaded on the device, allow users to view their position in the field relative to features in the map, such as roads, without an Internet connection or cell coverage. Because cell phone and Internet coverage are often unavailable in the field, it is recommended geospatial PDFs be downloaded to a device before heading out.
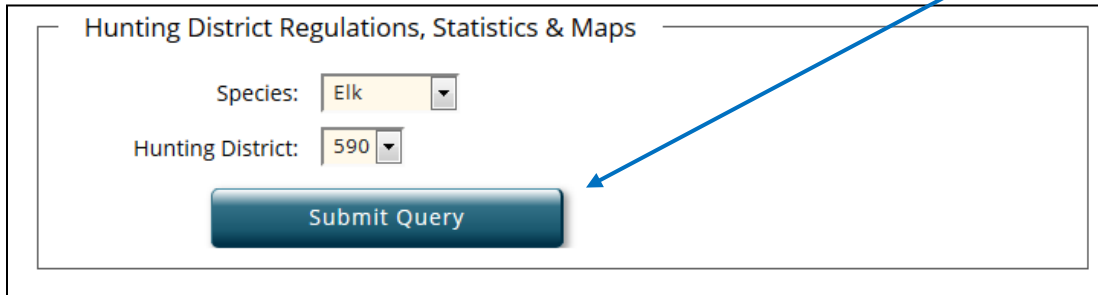
#### Third-party Map Tools

To take full advantage of the georeferenced functionality in these maps, a georeferenced map viewer is required. To find and download a georeferenced PDF viewer, go to an app store of your choice and search for "georeferenced PDF viewers" or "geospatial PDF viewers".  Several free options are available.

Note: FWP staff cannot provide technical support for 3rd party apps downloaded to personal devices.

### *Printing maps with hunting district legal descriptions*

1. Launching the map from a district or district portion page after submitting a <u>species and district query</u> from the Hunt Planner home page <u>http://fwp.mt.gov/hunting/planahunt</u> allows you to  generate a PDF map that will include the district's (or portion's) legal description printed on the map.

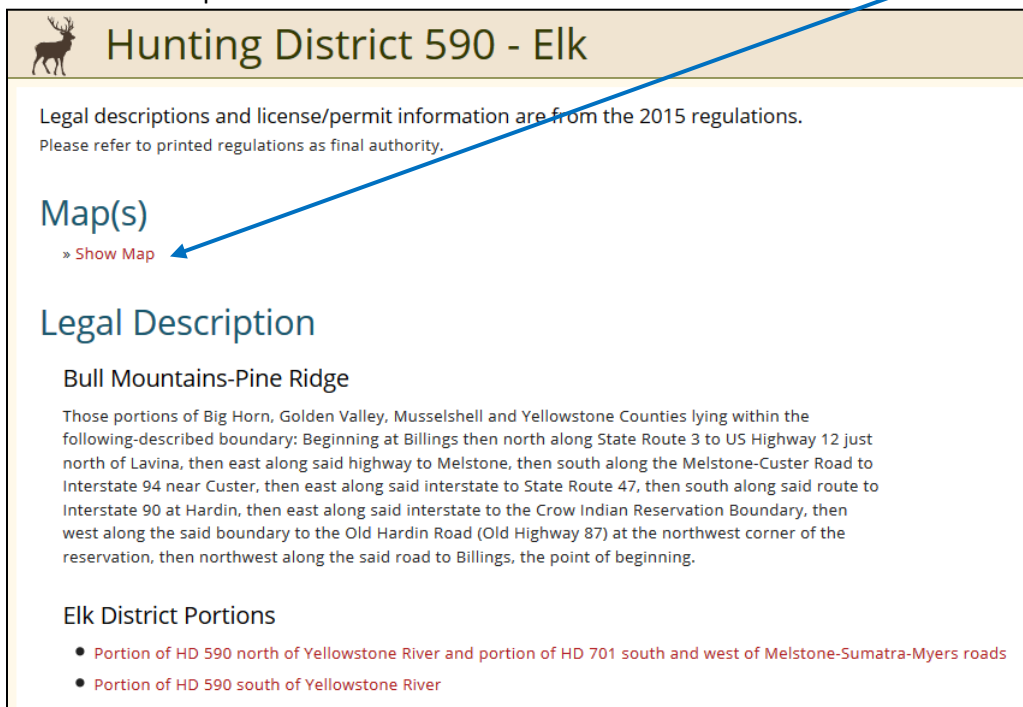   **Hunting District Regulations, Statistics & Maps**

   Species: Elk

   Hunting District: 590

   Submit Query

2. Submitting the query opens the species district page with a Show Map link along with other useful license information and statistics for the specified district.  Clicking on the Show Map link opens the map and zooms to the district and species.

   # Hunting District 590 - Elk

   Legal descriptions and license/permit information are from the 2015 regulations.
   Please refer to printed regulations as final authority.

   ## Map(s)
   » Show Map

   ## Legal Description

   ### Bull Mountains-Pine Ridge

   Those portions of Big Horn, Golden Valley, Musselshell and Yellowstone Counties lying within the following-described boundary: Beginning at Billings then north along State Route 3 to US Highway 12 just north of Lavina, then east along said highway to Melstone, then south along the Melstone-Custer Road to Interstate 94 near Custer, then east along said interstate to State Route 47, then south along said route to Interstate 90 at Hardin, then east along said interstate to the Crow Indian Reservation Boundary, then west along the said boundary to the Old Hardin Road (Old Highway 87) at the northwest corner of the reservation, then northwest along the said road to Billings, the point of beginning.

   ### Elk District Portions

   - Portion of HD 590 north of Yellowstone River and portion of HD 701 south and west of Melstone-Sumatra-Myers roads
   - Portion of HD 590 south of Yellowstone River

3. When the map opens, it will zoom to that district.  Turn on the Print\Export Map tool from the Map Tools dropdown and follow the <u>Print\Export Map Tool instructions above</u>.
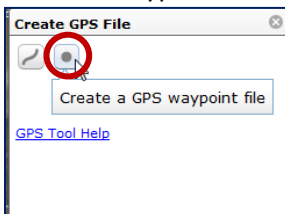
### *Create GPS File Tool (gpx)*

The Create GPS tool allows users to create waypoints and tracks for uploading into a GPS unit or saving to a computer.
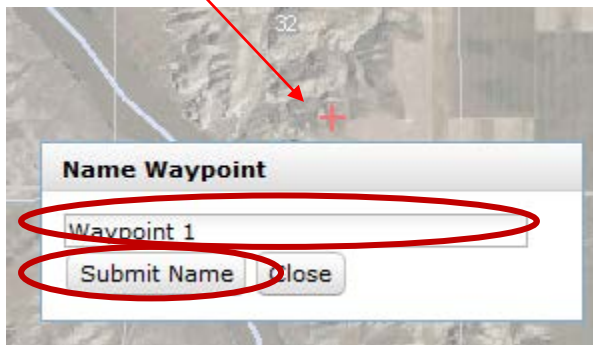
1.  In the Map Tools dropdown, click in the box next to Create GPS File.
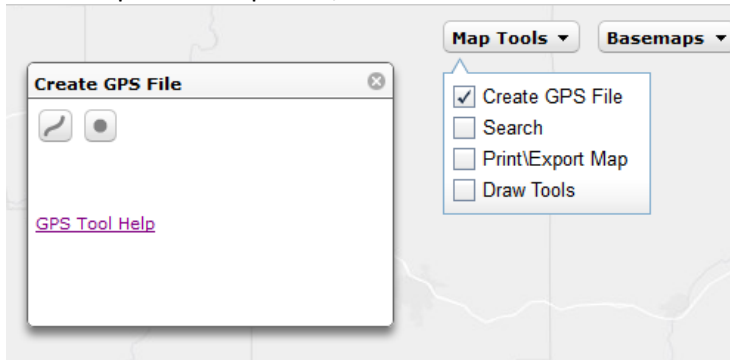
2.  Click the waypoint or track button – this example shows how to create a waypoint file.

3.  Click on a desired location in the map to generate a waypoint.
    Type in a name for the waypoint.
    Click Submit Name.

    The waypoint will be labeled in the map with the name after typing in the name.
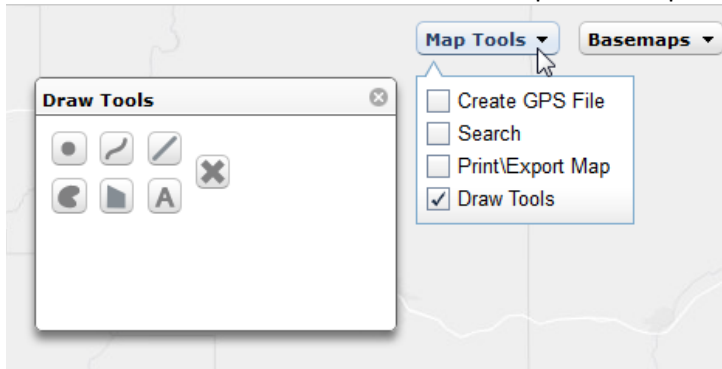
    Note:  To add multiple waypoints to the same gpx file, repeat steps 2 and 3 for each waypoint.
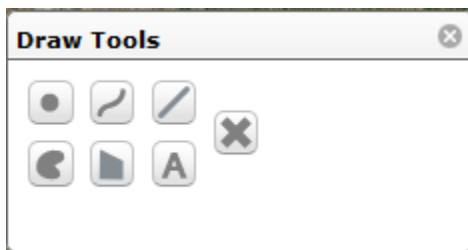
### *Draw/Measure Tool*

The Draw Tools allow you to draw custom graphics (including text), measure areas and distances, and get the exact lat long at a given location.
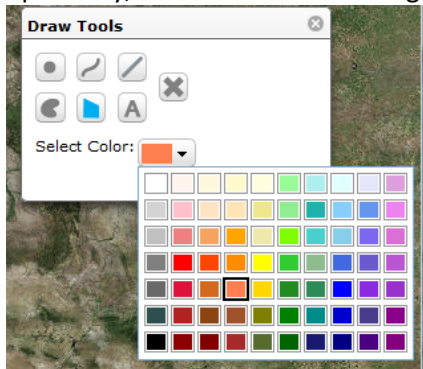
1. Click in the box next to Draw Tools in the Map Tools dropdown.



2. Click on any draw tool to activate it (the tool icon will turn blue when active).  Hover your mouse over the tool for tips about the tool.



3. Optionally, choose a color for the graphic from the color dropdown menu.  The default is black.

4. Move the mouse into the map and follow the tool tips to draw a graphic.  When the graphic is finished the Draw Tools  dialog box will provide area, distance, or coordinate information depending on the graphic type.
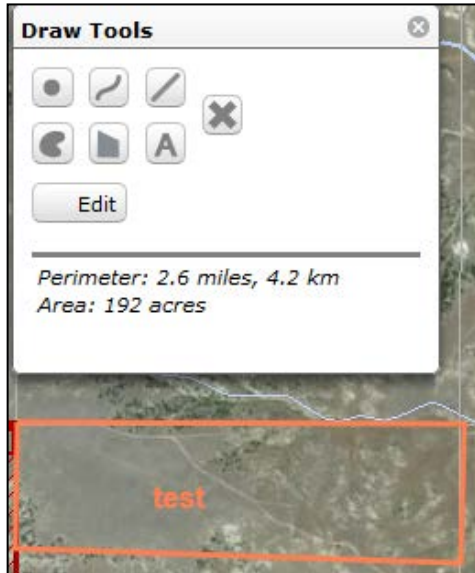


5. Remove graphics by clicking on the ![X] tool in the Draw Tools window.   If you close the Draw Tools window, you can re-open it again from the Map Tools dropdown if you want to remove graphics.

6. Click the Edit button and then click a graphic to edit its shape/text.

### *Search Tool*

The Search Tool allows you to search for locations/areas and zoom to them in the map in a variety of ways.

1. Turn on the Search Tool from the Map Tools dropdown and select a search type.
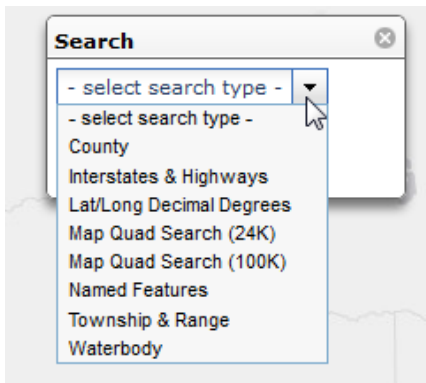


Each search type provides a different dialog window prompting you to specify or select additional options for the chosen search type.

2. In this example, the County search type prompts you to select a county.  Click Search.  The map will zoom to and highlight the county.