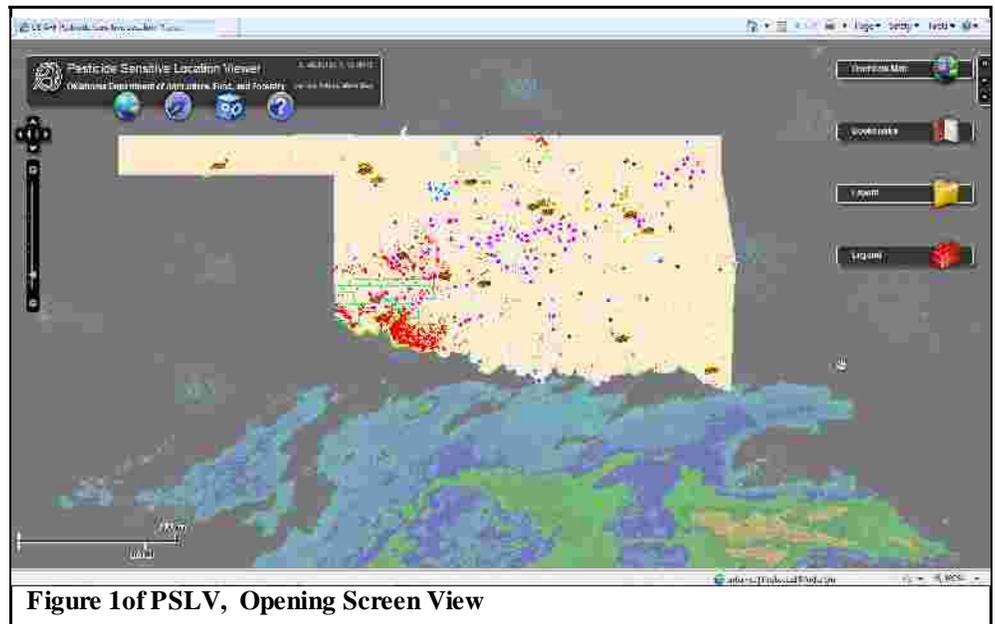


# PESTICIDE SENSITIVE LOCATION VIEWER 2.0

## User Instructions

The **ODAFF Pesticide Sensitive Location Viewer (PSLV)** is on-line mapping program that provides a visual tool for viewing locations sensitive to pesticide damage, including: grape vineyards, organic farms, cotton growers, pecan and peach growers, apiaries and pesticide applicators licensed in agricultural and aerial application categories.

The objective of the PSLV is to provide a means of communication among growers, beekeepers, and pesticide applicators in order to reduce the risk of off target exposure from pesticides.



**Figure 1of PSLV, Opening Screen View**

The PSLV is a voluntary program and limited to commercial growers and beekeepers who must register with the department.

The Oklahoma Pesticide Sensitive Location Viewer is located at: <http://www.oda.state.ok.us/pslv>

It can also be reached from the ODAFF web page <http://www.oda.state.ok.us/> and follow the **Sensitive Crop Viewer** link

To view the map, click on the Oklahoma Map or Pesticide Sensitive Location Viewer select either the old or new Pesticide Sensitive Location Viewer link (old map available until July 1, 2010)

The new PSLV uses the Adobe Flex Viewer For displaying the map.

New features in this viewer include:

- a. The latitude and longitude locator.
- b. Automatic page refresher.
- c. The default map will display the 2008 aerial photos when zoomed to a specific level.
- d. New layers that show the Oklahoma Mesonet wind barbs and weather radar.
- e. Sliding zoom bar and 4 way navigation tool on the left side.

Expandable Informational Windows boxes that retrieve additional information with the use of dropdown options.



**Title Bar** Located along the left corner of the map with several icons with dropdown menus

1. **Earth-Map Icon** When you move your cursor over the Earth-Map icon a number of options are available ( 2003 aerial photos, layers, legend, print). Many options will open as windows expandable windows. Use the Map icon if you want to print a map.

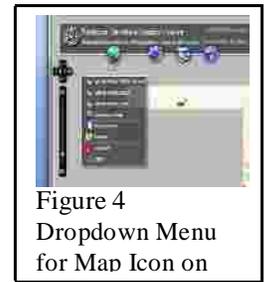


Figure 4  
Dropdown Menu for Map Icon on

**A Layer and Legend** options are visible by default on the right when you go to the viewer.

**B. Print Option** To print a map click on the print option listed under the Map icon.



Figure 5 Print option from Map icon.

- 2 **Compass-Navigation Icon** This icon has the **Zoom in, Zoom out, Pan map** and see **See Whole Map** options.

**A Zoom** If you want to Zoom to a certain place on the map, select the zoom option and return to the map (cursor changes to a + sign) and hold down the left mouse button and draw a box around the area to be zoomed. You will automatically zoom-in to that area.

**B. Full Extent** If you want to return to the full map move cursor to Compass icon and click on see **See Whole Map** option.

**C Pan** allows you to move the map when you click and hold the left mouse button.



Figure 7  
Navigator Tool drop down list.

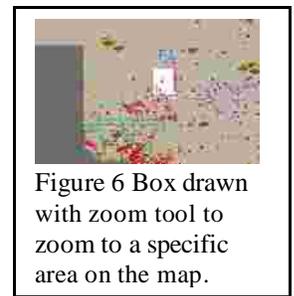


Figure 6 Box drawn with zoom tool to zoom to a specific area on the map.

- 3 **Box-Tools Icon** This icon has several tools (**Identify, Search and Draw**) that allow you to identify or search for specific objects on the map. The draw tool will allow you to draw lines, boxes and add text to the map. When you click on one of the items a new window will open on the right side of the map

**A Identify Tool.** Figure at right shows the Identify option window of the Tools icon. Click on the box with the spot then move the cursor to the map and click on one of the features to identify that spot. (See Fig 8). The window will expand to give specific information about that spot.

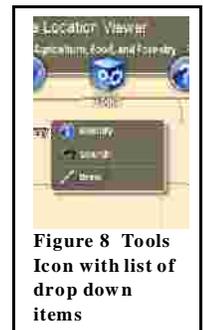


Figure 8 Tools Icon with list of drop down items

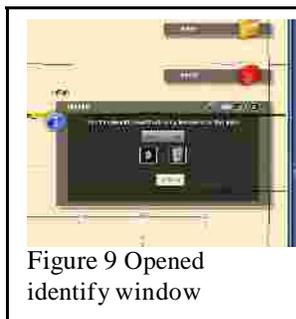


Figure 9 Opened identify window

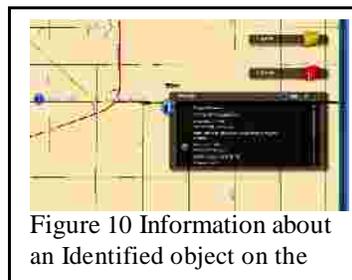


Figure 10 Information about an Identified object on the



Figure 11 Search Window

**B Search Tool.** Figure 10 is the Search window that opens when you click on the search option in the tools icon of the title bar.

**1 Search By Name** In the search window you will have to change the search layer option to the desired layer (vineyards, apiaries, etc.). Then type in a letter, word or a specific name and click on the search button. Once the search has completed, one or several items will be listed in the search window. Click on one of the listed items and you will be taken to the location of the selected item.

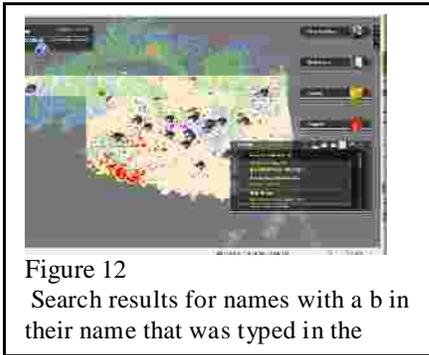


Figure 12  
Search results for names with a b in their name that was typed in the



Figure 12 Zoomed to searched item listed in search result window.

**2. Search By Area Selected** To search by area, select the rectangle tool, then go to the map and draw a rectangle around an area. A list of sites within the outlined area will be displayed in the search window. If you move the cursor over one of the sites in the list its location will be displayed on the map. If you click on the site you will zoom to that site.



Figure 13 Search by selected area option tool

If you select to **Show Results in Grid** a window will open with a list of selected sites.

**NOTE** to close this window move the cursor to the Right corner and an X becomes visible that will allow you to close this window.



Figure 15 Results window for search by area.



Figure 14 Display when you select to Show Results By Grid.

**3. Buffer Zone** With the buffer option (white box with red circle) on the search tool you can draw a buffer around a site. You can also add multiple buffer zones.

When completed, use the print option in the **Map (Globe)** drop down list to print the map.



Figure 17 Map showing buffer zone around vineyard



Figure 16 Buffer option in Search Tool

**C . Tools – Draw** The Draw option in the Tools icon will let you draw points, lines or polygons on the map.



Figure 18 Draw tools window

To make changes to how the drawing will display on the map click on the **triangle** on the top of the draw window.

When you click on the triangle the window changes to display measurement options that you can set. The **Measurements** box allows changes to distance units, area units, label color, font and font size of the drawing. You can make any changes in the options, click the show measurements

box to display information about the drawing. When you have made your selections click on the **pencil** at the top of the draw window and select the type of object to draw. If you select to draw a polygon the window changes to give additional options.

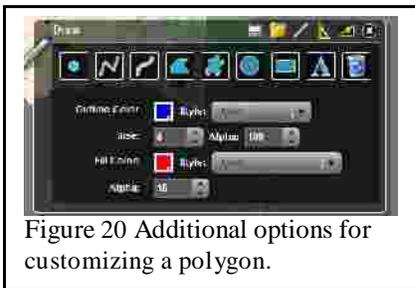


Figure 20 Additional options for customizing a polygon.

When selections have been made go to the map, zoom in to the area you are interested in and select the shape that you want to draw.

The draw window expands to give additional options about the draw objects selected, such as outer and inner colors, line thickness. After making all of the selections, draw an object or draw a polygon around an object such as a field, vineyard or water body and the size of the area will be displayed.

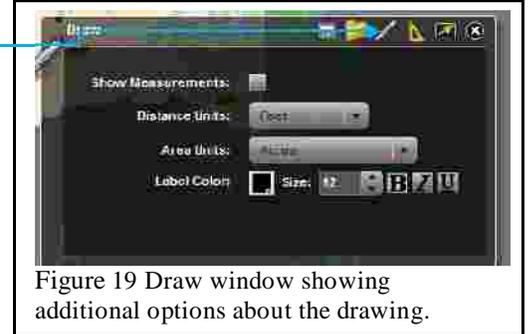


Figure 19 Draw window showing additional options about the drawing.

vineyard or water body and the size of the area will be displayed.

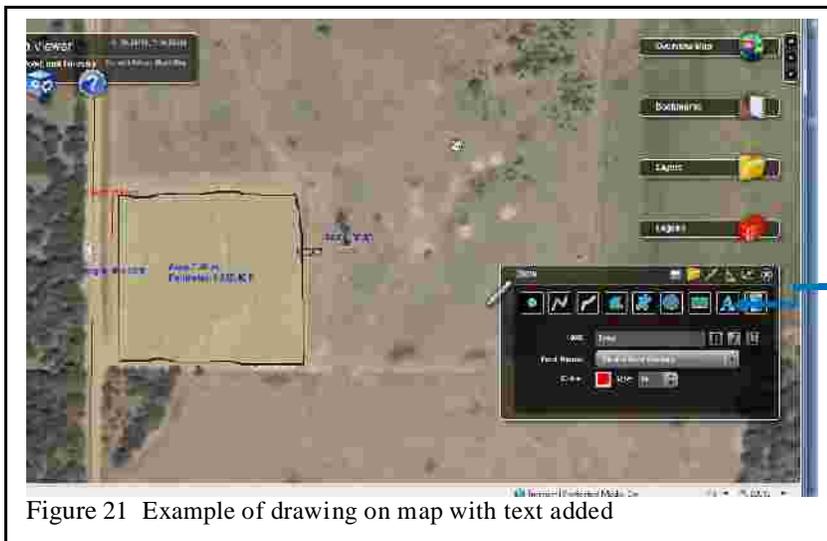


Figure 21 Example of drawing on map with text added

If you selected the **Show Measurements** option, then: if you draw a spot the coordinates will be displayed, if you draw a line its length will be displayed, and if you draw a polygon its area will be displayed.

To format the text click on the blue letter **A** on the draw window. Then type the information in the text box. You can select the font, font color and size of any text for a drawing. After making the desired selections, click on the map where the text is to be displayed.

If you make a mistake click on the **Trash Can** and try again. **NOTE all of the objects and text will be erased.**

**Print Drawing** When you have completed all of your drawing operations, you can print the map by going to the map icon and select the print option.

**Save Drawing** To save a drawing click on the **floppy disc icon** on the drawing window, the drawing will go away and the **Save As** window opens. In the Save As window select the location (folder) where you want to save the file. After selecting the folder give the file a specific name and include the file extension **.txt** so the program will open it. For example Freds vineyard would be named Freds Vineyard.txt



Figure 22 Drawing Window

After saving the drawing, bookmark the location in the **Bookmark Window**. This will allow you to quickly return to the site of the drawing.

To open a saved drawing, open the Drawing Window and click on the **Folder icon** and the go to the folder where you saved the file. Locate and double click the specific file. You can zoom to the location of the drawing quickly if the location was saved in the **Bookmarks** Window.



Figure 23 Drawing Window with Save As sub-window open.

**Bookmarks Window** The bookmark window allows you to save the current view so you can come back it quickly. Click on the add bookmark option and give the view a name and click add bookmark. The next time you open the map and wan to go to a bookmarked

**Endangered Species** The Endangered Species layer displays the counties that an endangered species occurs in when you expand **Endangered Species Layer** and click on one of the listed endangered species. Uncheck the box and the highlight counties are removed.



Figure 24 Bookmark Window.

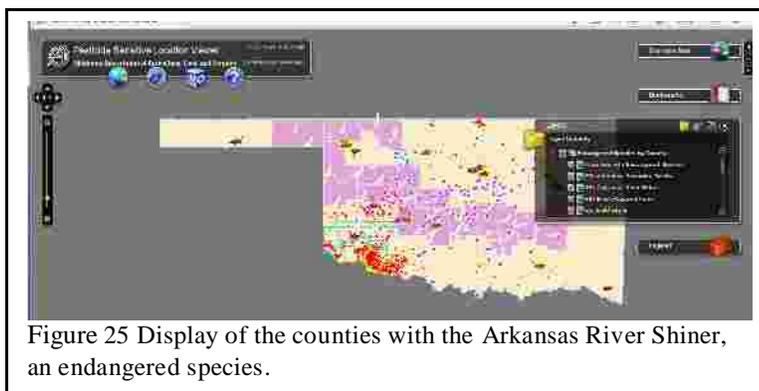


Figure 25 Display of the counties with the Arkansas River Shiner, an endangered species.