



Aquatic Resource Management

Statewide Wetlands Inventory map – User Quick Tips

When using the Statewide Wetlands Inventory (SWI) map turn on ALL the layers. If a feature is mapped, then wetlands or waters may be present.

Each map layer has accuracy limitations. For greater detail see the [SWI map limitations](#).

On-site investigation is the only way to verify if wetlands and waters exist on a given property, and to delineate their boundaries. The SWI mapping does not replace field verification.

Navigation Tools, in the upper left corner of the map window.

In the upper left of the map the zoom in (+), zoom out (-) and the Home buttons.	
	Click on this button to zoom in.
	Click on this button to zoom out.
	Click on this button to zoom out to the State.
Click, hold, and drag to move map to the desired location.	
Use the mouse wheel to zoom in and out.	

Map Tools, in the upper right corner of the map window

	Click on this button to find DSL contacts for the map, content information, and resources.				
	Click on this button to create printable documents of the map area.				
	Click on this button to measure a length, an area, or to get point locations.				
	Click on this button to change the base map.				
	Click on this button to add text, project areas, graphics, shapes or markers to the map.				
	Click on this button to see the Layer List. Layers can be turned on or off, transparency changed, and view layer descriptions.				
	Click on this button to search for a location, the following pop-up search tool will open.				
	<p>There are 2 options for address searches, as seen in the image below. If your search does not return a candidate try choosing one of the options and searching again. When searching for a city, be sure to enter city AND state. Possible search method examples are as follows:</p> <table> <tr> <td>Street Address</td> <td>775 Summer St NE, Salem</td> </tr> <tr> <td>City or Place</td> <td>Salem, OR or Klamath Falls, OR</td> </tr> </table>	Street Address	775 Summer St NE, Salem	City or Place	Salem, OR or Klamath Falls, OR
Street Address	775 Summer St NE, Salem				
City or Place	Salem, OR or Klamath Falls, OR				


Longitude and Latitude 45.453756, -123.844074 (City of Tillamook) in decimal degrees, enter Longitude first then Latitude separated with a comma. Use a “-” before the Longitude number.

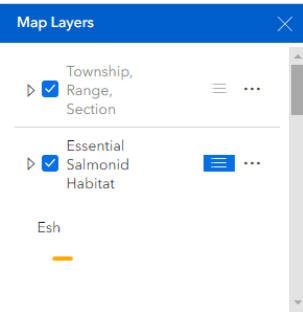
Township, Range, Section 6S 1W 35 (Silverton) or 17s 12e 31 (Bend) do not use leading zeros, use space between the parts. This tool is not case sensitive.

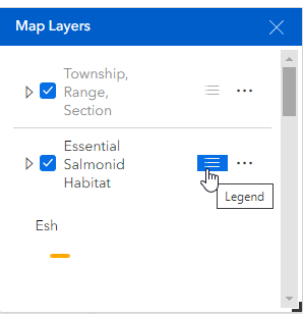
Detail instructions below!


Detail instructions for use of the map tools.

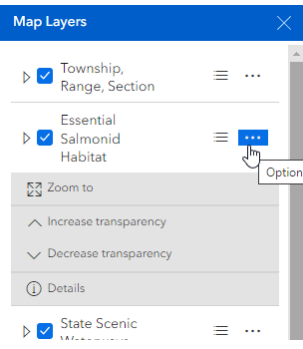
Legend/Layers List

 Click on this tool to open the Legend/Layer List.

 All layers are turned on in the map when the SWI map loads. **However, some layers are only visible when the user zooms in closer to an area of interest. For the purposes of checking for wetlands and waters please zoom into the area of interest and check the layer list to be sure that all layers are displaying in the map. The layer names in the list will turn from grey to black as the layers become visible in the map.**


 The 3 stacked lines icon to the right of a layer/group name in the list provides a way to expand or collapse the layer's legend.

On the left of the layer/group name, use the  icon to expand or collapse the group and use the checkbox to turn a layer on or off.

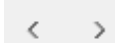


 The ellipsis (...) on the right of the layer name provides access to options to zoom to the full extent of the layer, increase transparency, and decrease transparency. The details option goes to a web page that has more information about the layer. If you want to know more about the data sets in this map read the [SWI map limitations](#) document.

For directions on how to access the map layers in the SWI web map, see instructions at the end of this document.

Feature Details – Pop-up

 Left click on a feature of interest to get a pop-up window with details about that feature.

In this example, the upper right corner of the pop-up window shows this area has four overlapping features.

 Use the buttons   in the upper left corner to scroll through the records to read about each feature.

SITENAME	Molalla
POLY_S_ID	CC-9C
COWARDIN	PEM
HGM	Riverine flow-through
LSW	Yes
Acres	1.150534
DSL_WD	

Print Tool



The Print tool is activated by clicking on the button with a picture of a printer.

The Print window will open.

The screenshot shows a window titled "Print" with a close button (X) in the top right corner. Below the title bar are two tabs: "Print template" (selected) and "Print result". Under the "Print template" tab, there are three sections: "Title" with a text input field containing "DSL Statewide Wetlands Inventory"; "Template" with a dropdown menu showing "MapTempSWI(landscape)"; and "Advanced" with a dropdown arrow. At the bottom of the window is a large blue button labeled "Print".

In the Print window, select the page orientation.

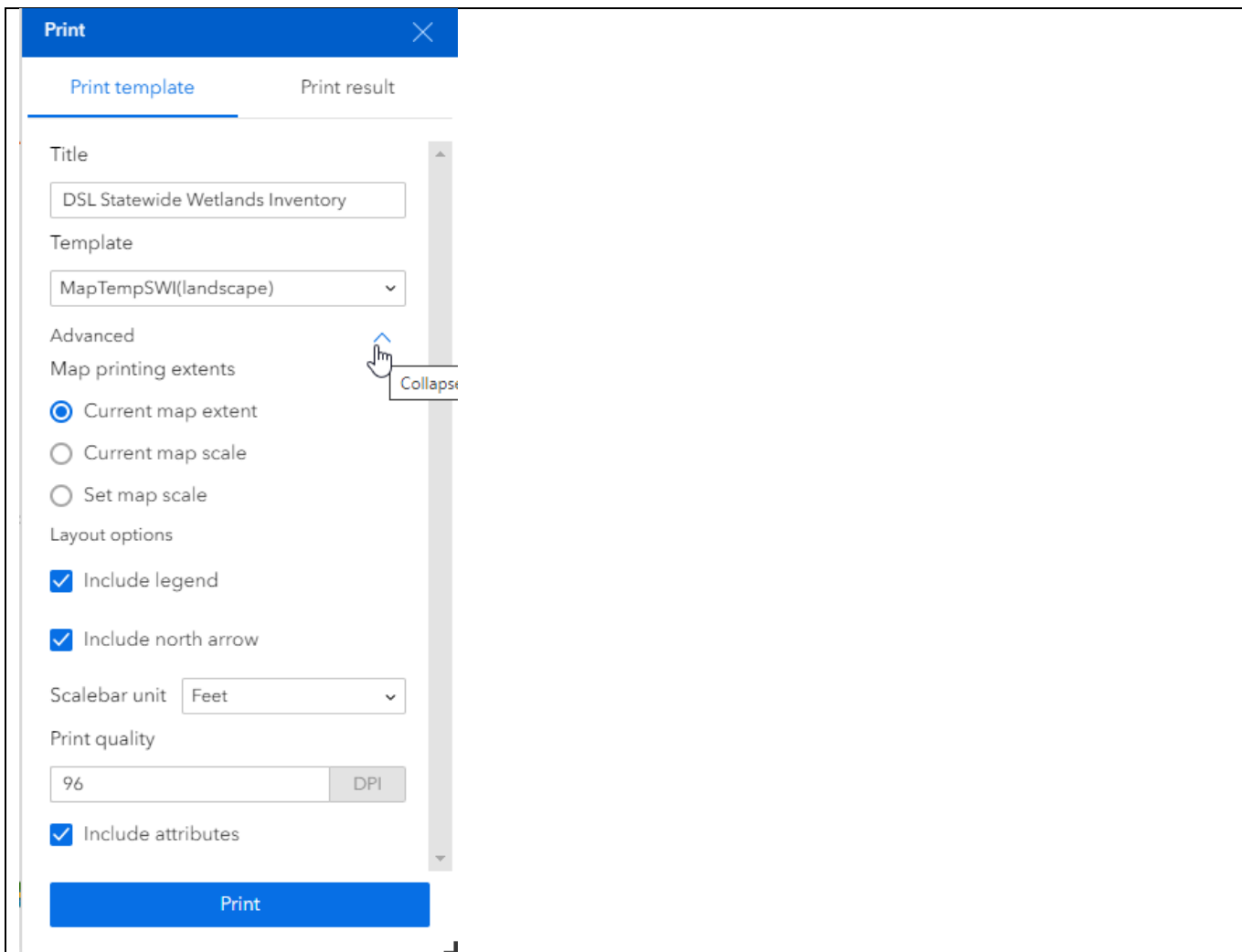
This screenshot is similar to the previous one, but the "Template" dropdown menu is open, showing three options: "MapTempSWI(landscape)" (which is selected with a checkmark), "MapTempSWI(Portrait)", and "MAP_ONLY".

In the Advanced tool there are several more details that a user may specify.

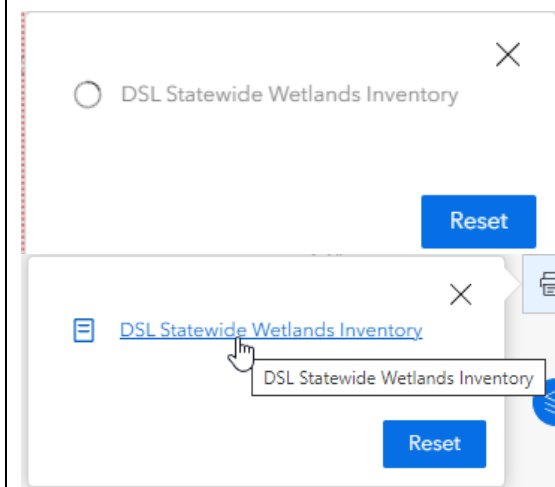
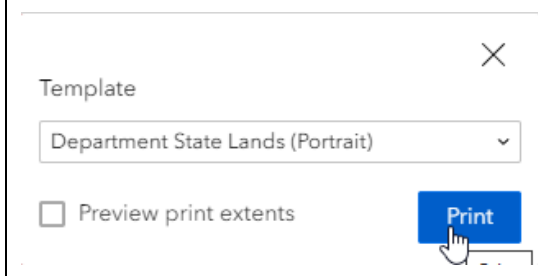
Set a specific map scale, for example to set the scale of 1 inch equals 100 feet, type in the value 1200, if 1 inch to 200 feet, type 2400, etc.

Ensure that the boxes are checked for "Include Legend" and "Include north arrow" so these appear on the map. Adjust the unit to be Feet, unless you are looking at an area larger than a several square miles!

In the "Print quality" space set this value to maintain a crisp clean map. When viewing aerial photography it is advised that you use a DPI of at least 150 to have a clear picture. CAUTION: The higher the number the larger the file size!

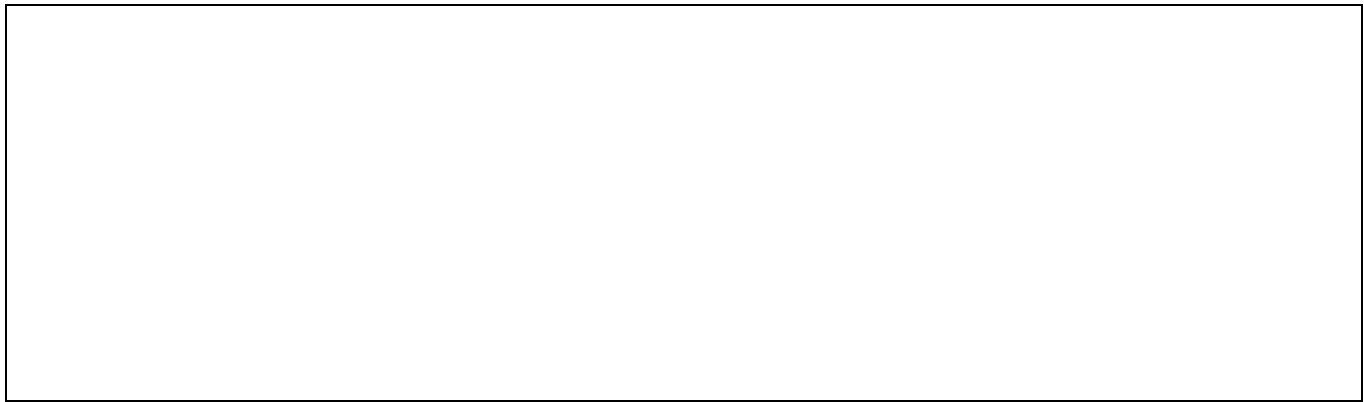


Click on the Print button to launch the process to create the map.



While the tool runs, the “System Busy” icon will appear next to the “DSL Statewide Wetlands Inventory” text.

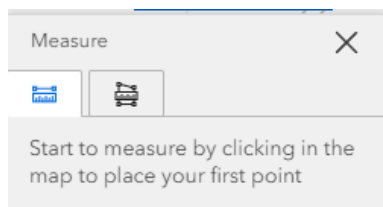
When complete, the “DSL Statewide Wetlands Inventory” text will turn into a link to the finished map file. Depending on the web browser and its settings, the map will either open as a PDF document in a new browser tab or be saved to the computer’s “Downloads” folder.



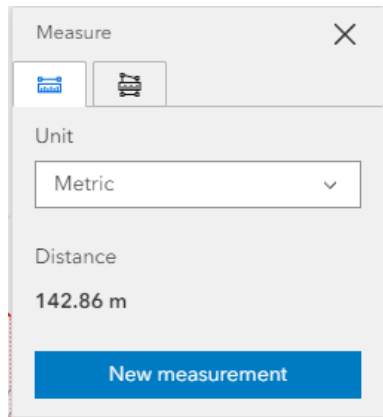
Measure Tool



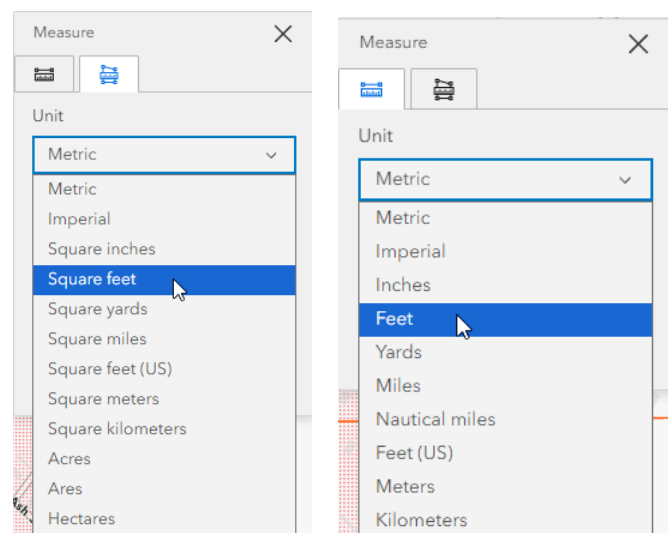
Use the measure tool to measure areas and linear distances. The user can define the units of measure.



The length or area tool can be activated within the Measure tool. Once activated, the cursor on the screen will change to a black crosshair with an orange dot behind it.



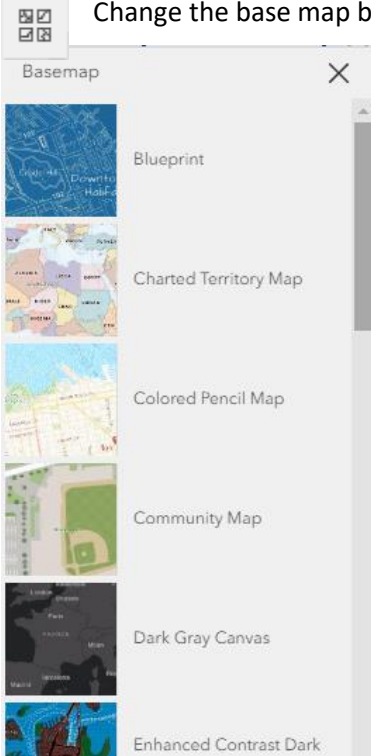
Click in the map to begin measuring and double click to end measuring for lines and areas.



When the measuring is complete the result can be changed to different units by clicking on the dropdown menu to select the preferred units.

Base Maps


Change the base map by clicking on this button.



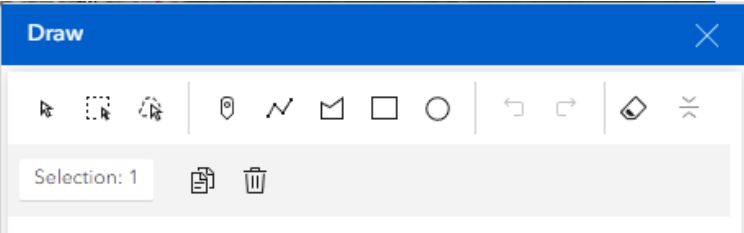
The Basemap list will appear in a popup window. Select the preferred option to activate it.

Draw tool

Add graphics, shapes, or markers to the map. Choose colors, adjust transparency, etc. These graphic elements can be selected individually or in groups.

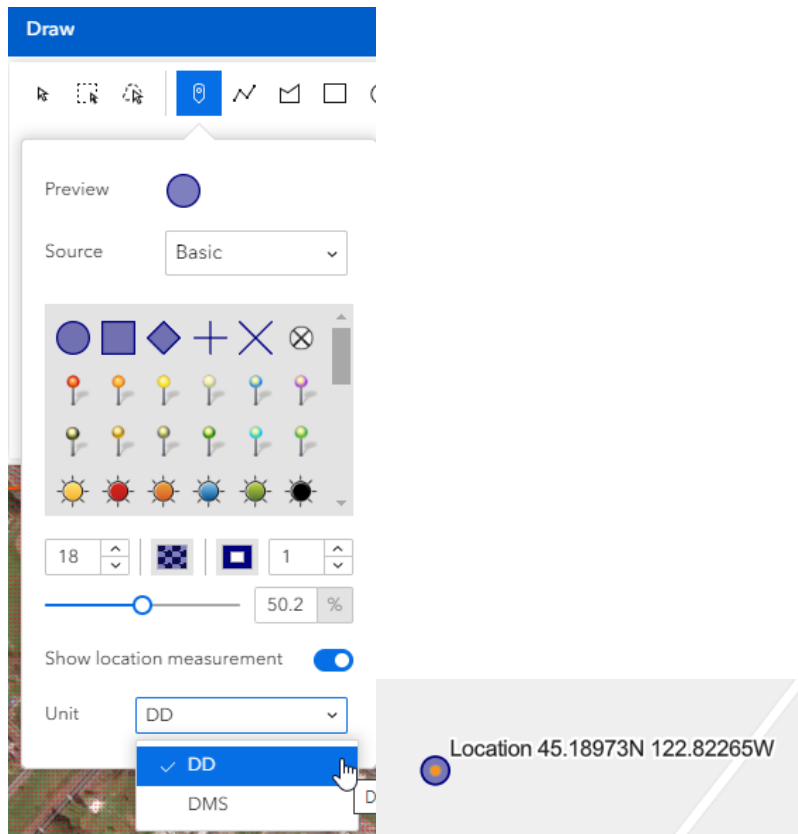


Select existing features with these tools. The choices are select a single graphic, select many with a rectangle, or select using a lasso. Once selected you can move, resize, copy, or delete the graphics.

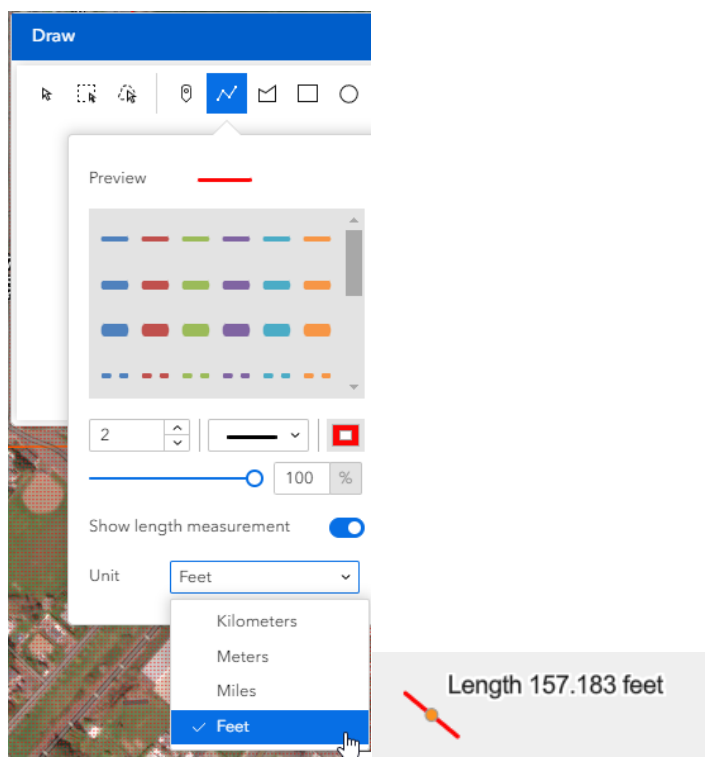


Individual buttons explained below.

This tool will add a single point location and allow the addition of Latitude and Longitude to that point with 2 options of Decimal Degrees or Degrees/Minutes/Seconds display. DSL requests decimal degree format on all submittals to DSL.

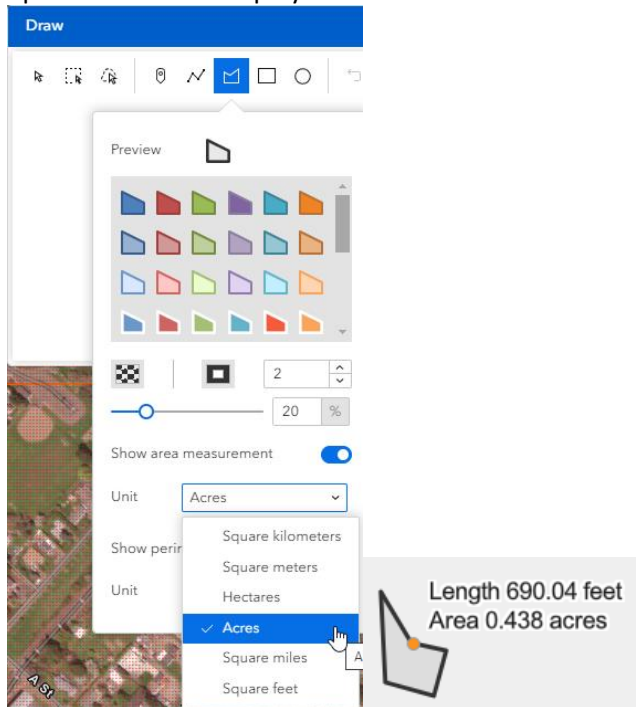


This tool will add a line and allow the addition of the lines length with multiple options of unit to display.

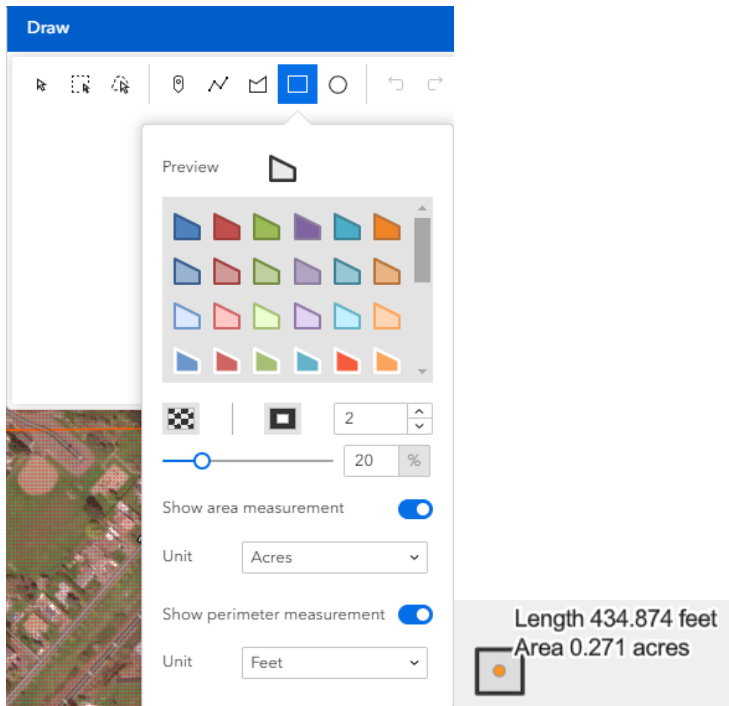




This tool will add a polygon and allow the addition of area and perimeter measurements with multiple options of unit to display.

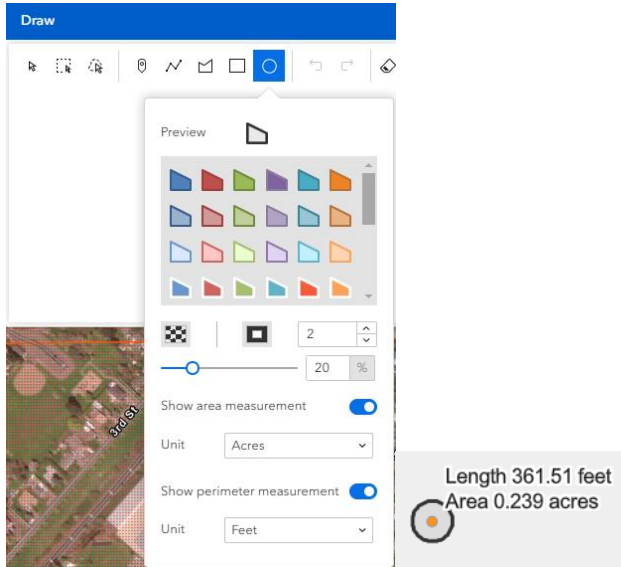


This tool will add a rectangle and allow the addition of area and perimeter measurements with multiple options of unit to display.





This tool will add a circle and allow the addition of area and perimeter measurements with multiple options of unit to display.



This tool will erase all graphic items added to the map with one click of a button.

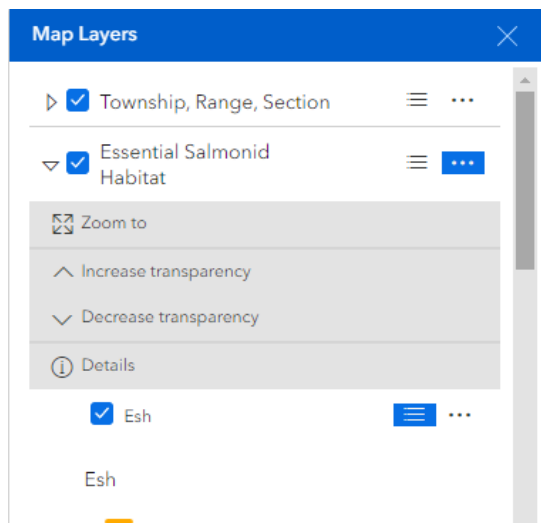
Statewide Wetlands Inventory GIS map layers

The Statewide Wetlands Inventory (SWI) web site includes a web map consisting of mapping layers that have been configured by the Oregon Department of State Lands (DSL) specifically for the SWI map. The services may be accessed with desktop Esri GIS software by following the directions below. These can be accessed from the Layer List in the DSL SWI web map, you can find the map here

<https://www.oregon.gov/dsl/WW/Pages/SWI.aspx>.

To add the internet map services that DSL publishes for the SWI web map in your own desktop GIS maps follow the instructions below.

For each of the layer groups in the SWI map, you can click on the ellipsis (...) to the right of the group name and in the drop down select “Show item details”.



Click on the ellipsis (...) to the right of the group and then click on “Details” to open the information page.

Overview Pricing Map Scene Help

ESH

Overview

[Open in Map Viewer](#)

[Open in Scene Viewer](#)

[Open in ArcGIS Desktop](#)

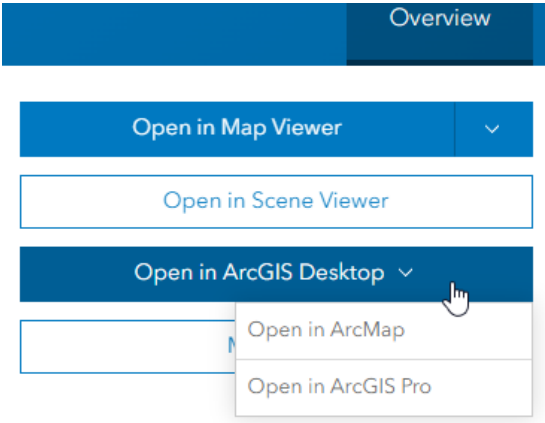
[Metadata](#)

This is the current 2023 Essential Salmonid Habitat (ESH) dataset created by Department of State Lands, with the Help of the Oregon Department of Fish and Wildlife. The purpose of this dataset is to delineate those stretches of waterbodies that are either ESH designated or not ie presence/absence. To view all the species that make oup this dataset, please refer to the Web Maps <https://maps.dsl.state.or.us/esh> that depicts both ESH and associated Species.

Map Image Layer from [Oregon ArcGIS Online](#)
Managed by [sounhein](#)

Item created: Feb 2, 2023 Item updated: Jul 11, 2023 View count: 1,797

Authoritative



From the “Open in ArcGIS Desktop” dropdown, select the type of desktop software you are using to save an export file.

If you have ArcMap installed on your computer, choose the “Open in ArcMap” option. In this case a Layer File is downloaded that can be added to a map in ArcMap.

If you have ArcGIS Pro installed, choose the “Open in ArcGIS Pro” option. In this case an export file with the extension “.pitemx” will be downloaded to your Downloads folder. This file can be opened by double clicking on it and will open in ArcGIS Pro. The layer can then be saved as a Layer File inside ArcGIS Pro.