

Oregon Explorer Advanced Mapping Tool

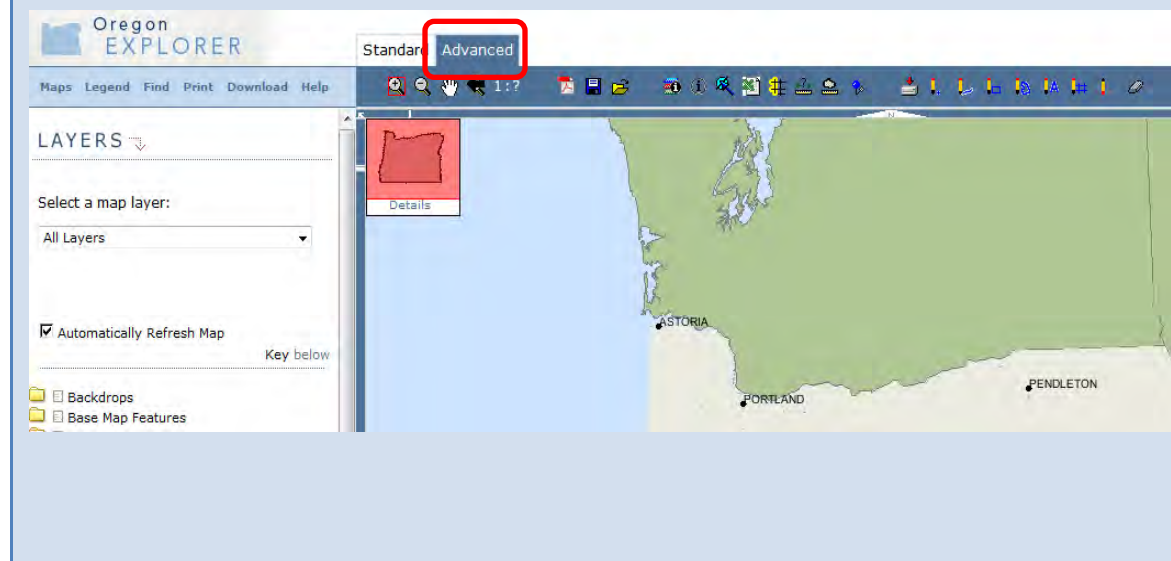
Guidance for Creating a Map for Oregon Watershed Restoration Inventory (OWRI) Reporting

1. Go to <http://oregonexplorer.info/>

2. Click on 'Use the Explorer mapping tool to [create a restoration project map](#).'

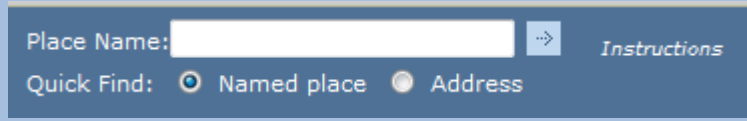


3. Click on the 'Advanced' tab at the top of the page



4. Use the 'Quick Find' tool at the bottom of the map to find and zoom to a named place or address.

Note: the search results will be displayed in the left column, click a link to zoom to that location.

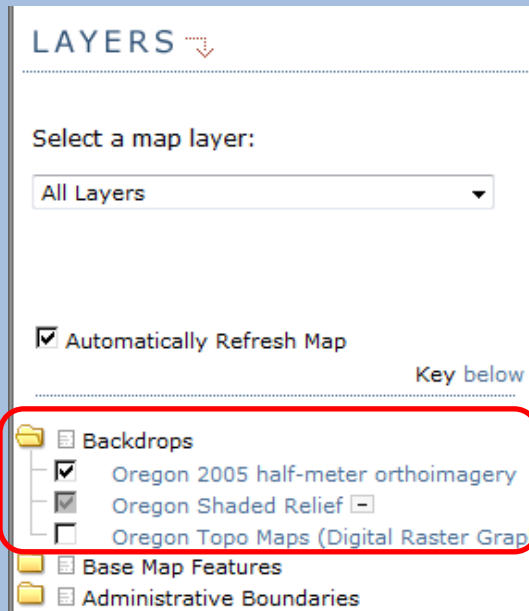



5. In the upper left hand corner of the page, click on 'Maps' to display the menu of map data.

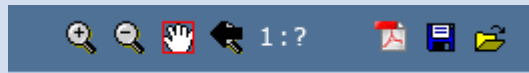


6. If the aerial imagery or topographical map is not displayed when you have zoomed to your location then open the 'Backdrops' folder and choose either the 'Oregon 2005 half-meter orthoimagery' or the 'Oregon Topo Maps' layer.

Note: these layers are set to display at predetermined scales. If the check box is gray and it cannot be checked on or off, zoom in closer on the map until the box is no longer gray.





7. Using local knowledge of the landscape, use the pan tool at the top of the map to locate the project location. 



8. Use the markup tools at the top of the map to identify the project activities using the OWRI guidelines.

polygon markup - 

point markup - 

line markup - 

Note: after selecting a markup tool, each click on the map will create a corner of a polygon, a segment of a line or a point feature.




OWRI Guidelines:

- **Instream Project** – map as a line feature on the stream centerline. If the project is a single instream feature such as a single log or boulder structure, map as a single point.
- **Road Project** – map as a line feature. If the project is a single site such as an addition of a cross-drain or a road ford improvement, map as a single point.
- **Fish Passage Project** – map as a point feature for each fish habitat improvement.
- **Riparian Project** – map as a line feature on the stream centerline.
- **Wetland Project** – map as a polygon feature. If the project is at a single location such as a dike removal project or a single large wood structure placement, map as a single point.
- **Upland Project** – map as a polygon feature. If the project is at a single location such as an off-channel livestock watering site, or manure storage facility, map as a single point.
- **Urban Project** – map as a polygon feature.


9. Click 'OK' in the left hand column once your markup is completed to finish the sketch (for line and polygon markups only).

Note: once you click 'OK' the markup will temporarily become invisible until you choose how it will be drawn (i.e., symbology). Proceed to the next step for guidance on symbology.

MARKUP TOOL 

4 points recorded. Click the map to add more points to the polygon, or click the OK button if you are finished drawing your polygon.

To restart the polygon, click the Clear button.

LINE MARKUP TOOL 

3 points recorded. Click the map to add more points to the line, or click the OK button if you are finished drawing your line.

To restart the line, click the Clear button.

10. **For polygon and line markups** - choose how the markup is symbolized and click 'OK'.

Note: for polygons the fill transparency should be set to invisible.

For a point markup - enter the activity in the 'Label Text' box (e.g., culvert removed) and click 'Submit'.

The screenshot shows the 'MARKUP TOOL' interface. At the top, it says 'Choose the symbol that you would like to place at the location clicked. You may also add a short label to place on the map beside the marker.' Below this are five colored star icons (red, green, orange, blue, purple) and five radio buttons. The first radio button is selected. Below the icons is a text input field labeled 'Label Text:' containing the text 'culvert removed'. Below the input field is a link that says 'Label with map coordinate'. At the bottom is a 'Submit' button.

MARKUP TOOL

Choose the symbol used for your markup geometry.

Fill type:

solid

Fill interval for non-solid types:

6 pixels

Fill color:

blue

Fill transparency:

invisible

Boundary color:

red

Boundary width:

2 pixels

OK

MARKUP TOOL

Choose the symbol used for your markup geometry.

Line type:

solid

Line color:

red

Line transparency:

opaque

Line width:

2 pixels

OK

11. To complete the map and create a PDF, click the PDF icon at the top of the map.



12. **Title the map with the name of the project entered on the OWRI form and include the following in the 'Map Notes' field:**

- project ID (only available if an OWRI Online process was used)
- OWEB Grant Number (if applicable)
- project activity (e.g., riparian, instream, upland, etc)
- project treatment (e.g., large wood placement, planting, culvert removed)

Click 'OK'.

Note: keep the current default settings for:

- *Template - 8.5x11 Landscape*
- *Scale - Current Extent*

PRINTABLE MAP

Template:
8.5x11 Landscape

Scale:
Current extent

Map Title:
OWEB Salem Office

Map Notes
ID, 13417
Grant #, 200-301
Activity: riparian
Treatment: |
removed invasives,
planted natives

OK

13. **Click 'open map' to open the PDF or follow the instructions to save it locally.**

Create a PDF Map

Map created successfully.

[[open map](#)]

To save the map document, right click on the link above, then click "Save As"

14. **E-mail the PDF map to oweb.mapping@state.or.us with the project ID in the subject line of the e-mail.**

Note: the project ID is created by the OWRI Online reporting tool or will be provided via e-mail confirmation after a successful submission using the OWRI Adobe submission form. If a hard-copy form was sent to OWEB, attach a printed copy of the map or e-mail the map to the same address with the OWEB grant number or project name in the subject line of the e-mail.