



Brook Trout Atlas User Guide

About

The Brook Trout Atlas provides a means to explore mapped data related to brook trout populations, habitats, and threats in local watersheds and across their eastern range. Each atlas presents a different theme of information and can be used to identify, evaluate, and explore conservation opportunities. The maps allow users to select layers to show on the map, pan and zoom to an area of interest, click on layers for more information, and change reference basemaps. Each atlas describes potential uses and data sources in detail. The Brook Trout Atlas was developed with the support of TU's Coldwater Conservation Fund and uses data provided by federal and state agencies.

Contact

Matt Mayfield, GIS Analyst (mmayfield@tu.org or 208-345-9800)

Trout Unlimited - Boise, ID





Using the Brook Trout Atlas

Zoom In

Zoom Out

Zoom back to original extent

Zoom to your current location (if web browser location is enabled)

Search for a location

An overview of the different ways to manipulate the online webmap.

This box displays the coordinates of where you place your mouse/cursor

The widgets in this tray allow you to manipulate map content in various ways

View tables for layers

-94.201 38.160 Degrees



Legend

Brook trout patches and adjacent watersheds

3-R Results

- Resilient
- Redundant
- Unique life history
- Other populations
- Re-establish EBT

Select the **Legend** widget from the tray along the bottom of the map to view a list of all active layers, and their symbology.





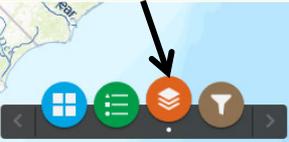
Layer List

Operational layers

- World Hydro Reference Overlay
- World Hydro Reference Overlay
- Brook trout patches and adjacent watersheds
 - 3-R Results
 - Resilient
 - Redundant
 - Unique life history
 - Other populations
 - Re-establish EBT

Select the **Layers** widget from the tray along the bottom of the map to view a list of all layers in the map.

Note: some layers require the user to zoom in or out to a certain extent in order to view them.





Basemap Gallery



Imagery



Light Gray Canvas



National Geographic



Oceans



Imagery with Labels



Streets



Terrain with Labels



Topographic



USA Topo Maps

Select the **Basemap Gallery** widget from the tray along the bottom of the map to switch basemaps.

A grid of nine basemaps is available to choose from, including topography, streets, high-resolution aerial imagery, and USGS topo quads. Experiment with different basemaps to select the one that best suits your needs.



Filter by brook trout status

3-R Results

Brook trout status is

- Other populations
- Re-establish EBT
- Redundant
- Resilient
- Unique life history

Select the **Filter** widget from the tray along the bottom of the map to limit populations by select attributes. The filter shown here limits by brook trout status.

Select the desired status from the drop down.





Filter by brook trout status

3-R Results

Brook trout status is

Redundant

Apply

Legend

Brook trout patches and adjacent watersheds

3-R Results

- Resilient
- Redundant
- Unique life history
- Other populations
- Re-establish EBT

Here we selected 'Redundant' from the dropdown, and the map features are limited only to that class. The legend is shown for reference.



Input your desired threshold here and click apply. The hint below indicates the range of values in the layer.



Filter

Roac

Roac than

values range 0 - 62

Apply

Brook trout status

Brook trout status is

Apply

Select Brook trout status from the dropdown and click apply.



Some Brook Trout Atlas apps, including *Fish Passage*, allow for filtering multiple values at once. In this example we will filter by road-stream crossing density and brook trout status. Map features are limited to only those that meet the requirements of both filters.



Legend

Barrier impact index - NAACC

impact_in

- > 12
- 9
- 6
- 3
- < 0

Brook trout patches and adjacent watersheds

Road-stream crossings per km2

- 1.01 - 61.78
- 0.62 - 1.01
- 0.36 - 0.62
- 0.10 - 0.36
- 0.00 - 0.10

(1 of 2)

link_crossings_2015: 358,515.00

id	358,515.00
x_coord	1,514,722.74
y_coord	2,114,271.74
group_	5,680.00
groupsize	1.00
anysurveye	0.00
surveyed	0.00
base	1,378.61
alt	1,399.06
delta	20,444.01
impact	16,363.52
impact_ran	2,919.00
impact_in	9.70
Zoom to	

Clicking on a map feature will present a pop-up window containing information about the feature (note that basemap features are not clickable; e.g. rivers, lakes, roads, towns, and topographic shading).

If the upper left corner of the pop-up reads (1 of 2), there are multiple features coincident at the clicked point. Click the arrow, or caret to cycle through the features.