

Alaska EFH Mapper User Guide

February 8, 2023

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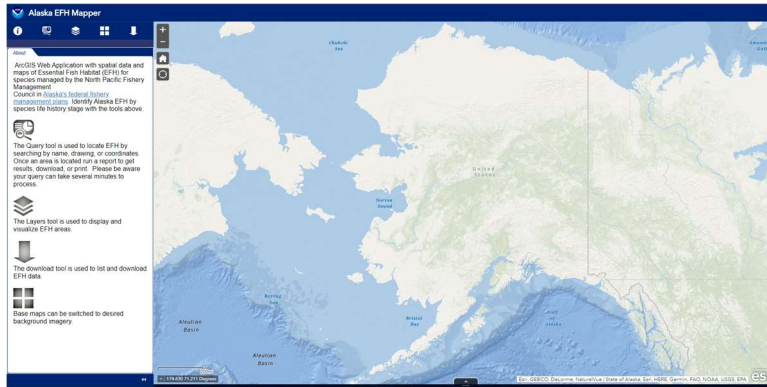
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Introduction

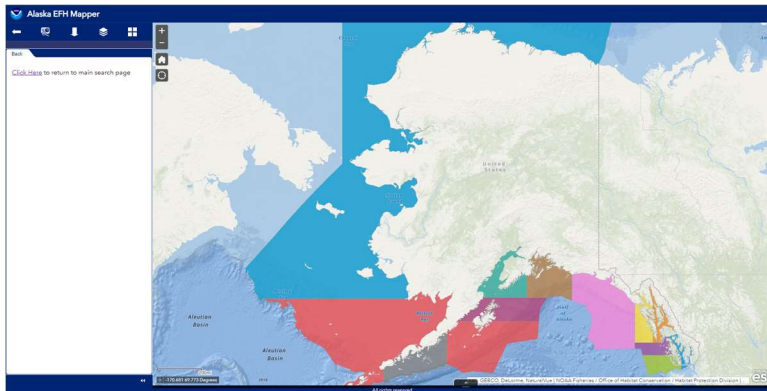
Welcome to the Alaska EFH Mapper User Guide. The guide will help you through the process of logging into the new Alaska EFH Mapper and going through the steps of querying, downloading, and displaying the various EFH layers.

The Alaska EFH Mapper consists of one user interface but allows you to view EFH data in three different maps including:

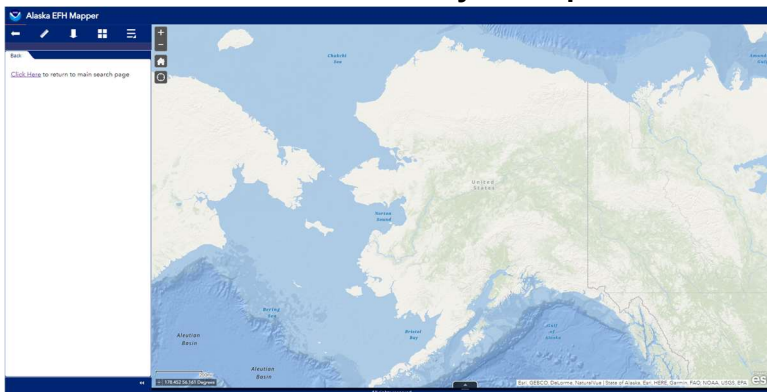
1. The EFH Point Search Map



2. The EFH Area Search Map




3. The EFH Layers Map

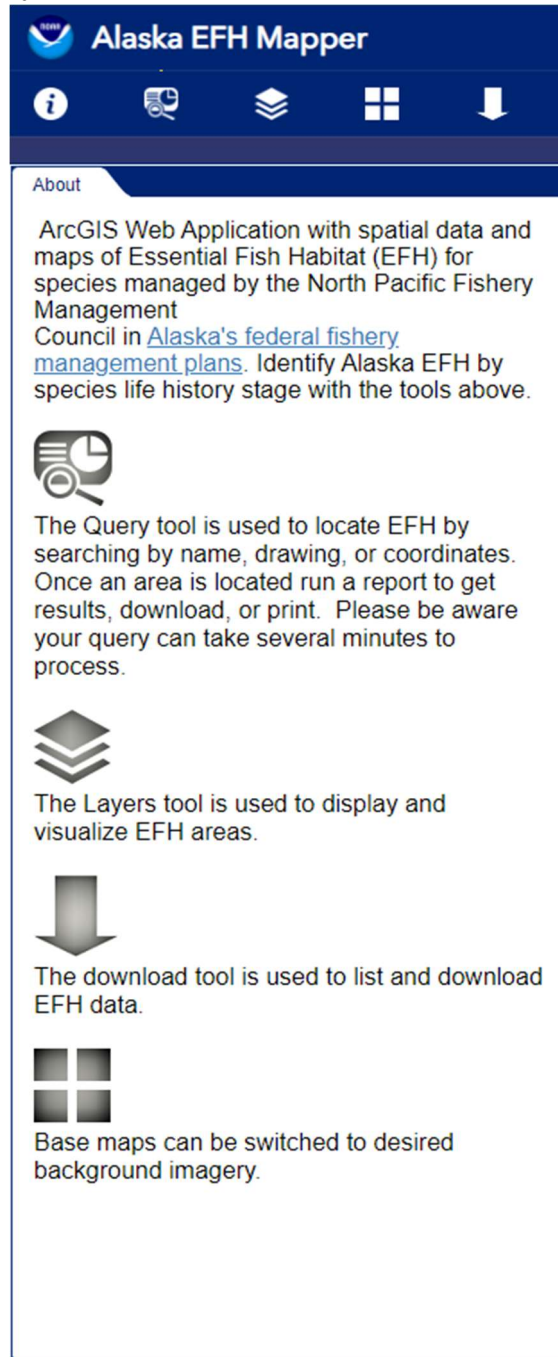


Search by Point Map

[Click Here to go to the Alaska EFH Mapper](#)


The initial landing page brings you to the about tab in the Search by Point Map and has several


tools that can be used to get EFH information.  There is a brief summary of each tool in gray. Select the white query tool at the top.





The screenshot shows the 'Alaska EFH Mapper' application interface. At the top, there is a dark blue header with the application title and a navigation bar containing icons for information, search, layers, base maps, and download. Below the header, the 'About' tab is selected, displaying the following text:

ArcGIS Web Application with spatial data and maps of Essential Fish Habitat (EFH) for species managed by the North Pacific Fishery Management Council in [Alaska's federal fishery management plans](#). Identify Alaska EFH by species life history stage with the tools above.

 The Query tool is used to locate EFH by searching by name, drawing, or coordinates. Once an area is located run a report to get results, download, or print. Please be aware your query can take several minutes to process.

 The Layers tool is used to display and visualize EFH areas.

 The download tool is used to list and download EFH data.

 Base maps can be switched to desired background imagery.



You are now using the draw mode point function (Optional buffer distance uses radius).

Alaska EFH Mapper

New group

Point Search

AOI +

Select draw mode

Buffer distance (optional)

Show results within

Area Search

[Click Here](#) to go to the search by area map

Select the draw mode icon and then place a point on the map and select the Report button (You may need to scroll down to see the report button).

Alaska EFH Mapper

New group

Point Search

AOI

Select draw mode

Buffer distance (optional)

Show results within

0 Miles

Report Start Over

Area Search

[Click Here](#) to go to the search by area map

Norton Sound

Bristol Bay

200mi

Here are some example results. Above the results in the picture below are four icons. The icon with the down arrow allows you to download the results. Select the download icon and when prompted select the download button. The results will be downloaded and appear in the bottom left corner of your browser.

The screenshot displays the 'Alaska EFH Mapper' application interface. At the top, there is a dark blue header with the NOAA logo and the title 'Alaska EFH Mapper'. Below the header is a navigation bar with five icons: an information icon, a magnifying glass, a stack of layers, a grid, and a download arrow. The main content area is titled 'New group' and contains a 'Point Search' section with a 'Report' button and a search icon. Below this is a 'Back' button and a row of utility icons: refresh, download, print, and settings. A search result for 'Salmon EFH' is shown, indicating 10 results. The first result is 'Salmon_Chinook_immature_EFH_Level1' with links for Summary, Technical, and FMP. The second result is 'Salmon_Chinook_juvenile_EFH_Level1' with a Summary link. Below the results is an 'Area Search' section with a link to 'Click Here to go to the search by area map'. At the bottom of the browser window, two CSV files are visible in the download bar: 'Gulf of Alaska EFH.csv' and 'Salmon EFH (2).csv'.

Below are some additional example results. In this case the point selected was on land. Scroll down in the results list to see the message returned to visit the Anadromous Waters Catalog.

The screenshot displays the Alaska EFH Mapper application. The interface is split into a left sidebar and a main map area. The sidebar contains a 'Point Search' section with a 'Report' button and a 'Back' button. Below this is a list of search results:

- Scallop EFH** (0) with a settings gear icon.
- Anadromous Waters** (1) with a settings gear icon.

The 'Anadromous Waters' result is expanded, showing the following details:

- Description:** Please refer to the Alaska Department of Fish and Game Anadromous Waters Catalog for Pacific salmon freshwater EFH in Alaska
- WebLink1:** <https://www.adfg.alaska.gov/sf/SARR/AWC/index.cfm?ADFG=intro.purpose>
- Area:** N/A

Below the results is an 'Area Search' section with a link: [Click Here](#) to go to the search by area map.

The main map area shows a topographic map of Alaska. A red location pin is placed on the southern coast of Alaska, near Bristol Bay. The map includes zoom in (+) and zoom out (-) buttons, a home button, and a refresh button. Labels for 'Norton Sound' and 'Bristol Bay' are visible on the map.

The query results will also let the user know if they have searched an area of Unmapped EFH (1) and provides weblinks for other sources of EFH information in the results dropdown.

Alaska EFH Mapper

New group

Point Search

Report

Back

+ Anadromous Waters (0)

- **Unmapped EFH (1)**

Description: You have selected a location where EFH has not been mapped. Please refer to the following sources for more information

WebLink1: <https://www.fisheries.noaa.gov/alaska/habitat-conservation/essential-fish-habitat-efh-alaska>

WebLink2: <https://www.fisheries.noaa.gov/management-plan/groundfish-gulf-alaska-management-plan>

Area Search

[Click Here](#) to go to the search by area map

Map labels: Port Higgins, Whipple Creek, Mud Bay, Shoreline Drive, Ketchikan, Vallenar Creek, Inside Passage

Search By Area Map

Select the Click Here link in the second tab to go to the Search by Area Map.

The screenshot shows the Alaska EFH Mapper application. At the top, there is a dark blue header with the NOAA logo and the text "Alaska EFH Mapper". Below the header is a navigation bar with icons for information, search, layers, a grid, and a download arrow. The main content area is divided into two tabs: "Point Search" and "Area Search". The "Point Search" tab is active and shows a "Report" section with a search icon, a "Back" button, and icons for refresh, download, print, and settings. Below this is a list of search results for "Salmon EFH" (10 results). The first result is for "Salmon_Chinook_immature_EFH_Level1" and includes links for Summary, Technical, and FMP. The second result is for "Salmon_Chinook_juvenile_EFH_Level1" and includes a Summary link. The "Area Search" tab is visible below and contains a link that says "Click Here to go to the search by area map".

Alaska EFH Mapper

New group

Point Search

Report

Back

Salmon EFH (10)

EFH_NAME: Salmon_Chinook_immature_EFH_Level1
Summary_Link: <https://www.fisheries.noaa.gov/resource/document/essential-fish-habitat-5-year-review-summary-report-2010-through-2015>
Technical_Link: <https://apps-afsc.fisheries.noaa.gov/Publications/AFSC-C-TM/NOAA-TM-AFSC-236.pdf>
FMP_Link: <https://www.npfmc.org/fisheries-issues/fisheries/salmon-fisheries/>
Area: N/A

EFH_NAME: Salmon_Chinook_juvenile_EFH_Level1
Summary_Link: <https://www.fisheries.noaa.gov/resource>

Area Search

[Click Here](#) to go to the search by area map

You are now using the Search by Area function. Use the line or the polygon draw mode icon to select an area on the map (Double click to finish polygon). Please note the warning in the second tab Area Search Info.

The screenshot displays the Alaska EFH Mapper web application. The interface is divided into several sections:

- Header:** "Alaska EFH Mapper" with a logo on the left and navigation icons (back, search, download, layers, full screen) on the right.
- Screening Panel (Left):**
 - New group:** A button to create a new group.
 - Screening:** A tab with a search bar containing "AOI".
 - Select draw mode:** Two icons for drawing a line or a polygon.
 - Buffer distance (optional):** A section with a text input field set to "0" and a dropdown menu set to "Miles".
 - Buttons:** "Report" and "Start Over" buttons.
- Area Search Info Panel (Bottom Left):**
 - Warning:** A message that reads: "*Please be aware searching across section boundaries will increase processing time and may produce duplicate results*".
- Map (Right):** A topographic map of a coastal region in Alaska. The map is overlaid with several colored polygons representing search areas: yellow, orange, purple, and green. A dashed red line is visible on the map. Labels on the map include "Juneau", "Stikine", "Dixon Entrance", and "Seamount".

Below are some example results. The same steps can be taken to download the results using the download icon used in the Point Search.

The screenshot displays the Alaska EFH Mapper application interface. At the top, there is a dark blue header with the NOAA logo and the text "Alaska EFH Mapper". Below the header is a navigation bar with icons for back, search, download, layers, and a grid. A "New group" button is visible. The main content area is titled "Screening Report" and shows a search area with an area of 1,389.59 km². There are icons for refresh, download, print, and settings. Two search results are listed: "Salmon EFH" with 13 results and "Gulf of Alaska EFH" with 147 results. The "Gulf of Alaska EFH" result is expanded, showing details for "GOA_Southern_rock_sole_juvenile_summer_EFH_Level2". It includes links for Summary_Link, FMP_Link, and Technical_Link. The Technical_Link points to a PDF document: <https://apps-afsc.fisheries.noaa.gov/Publications/AFSC-TM/NOAA-TM-AFSC-373.pdf>. Below the search results is a section titled "Area Search Info" with a warning message: "*Please be aware searching across section boundaries will increase processing time and may produce duplicate results*".

Alaska EFH Mapper

New group

Screening Report

Area : 1,389.59 km²

Salmon EFH (13)

Gulf of Alaska EFH (147)

EFH_NAME: GOA_Southern_rock_sole_juvenile_summer_EFH_Level2

Summary_Link: <https://www.fisheries.noaa.gov/resource/document/essential-fish-habitat-5-year-review-summary-report-2010-through-2015>

FMP_Link: <https://www.npfmc.org/fisheries-issues/fisheries/goa-groundfish-fisheries/>

Technical_Link: <https://apps-afsc.fisheries.noaa.gov/Publications/AFSC-TM/NOAA-TM-AFSC-373.pdf>

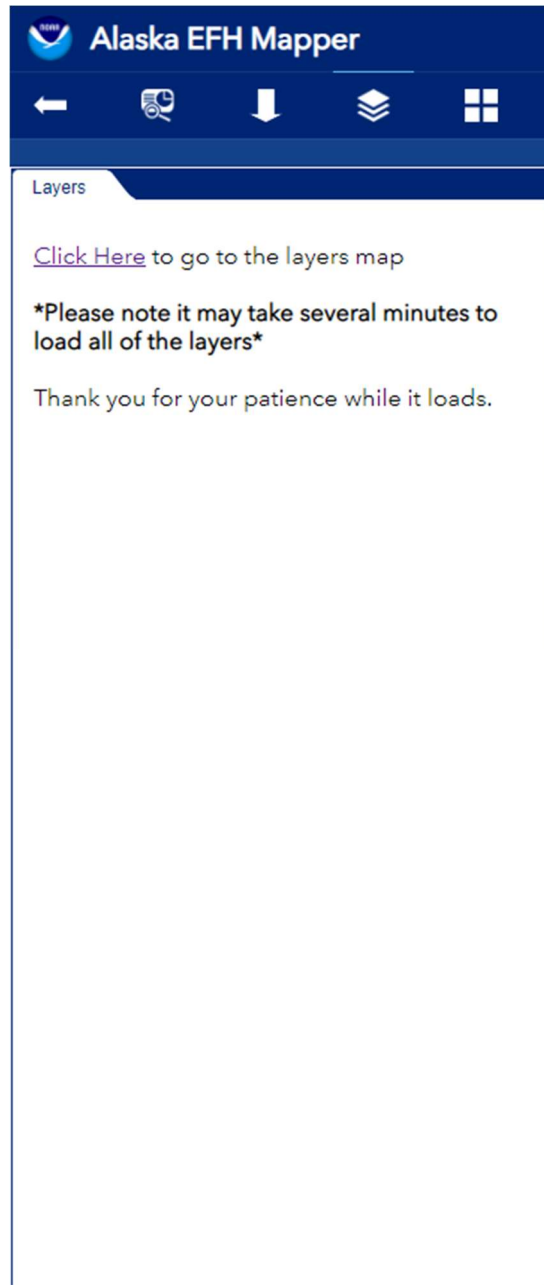
Area Search Info

Please be aware searching across section boundaries will increase processing time and may produce duplicate results

Visualize EFH Layers Map



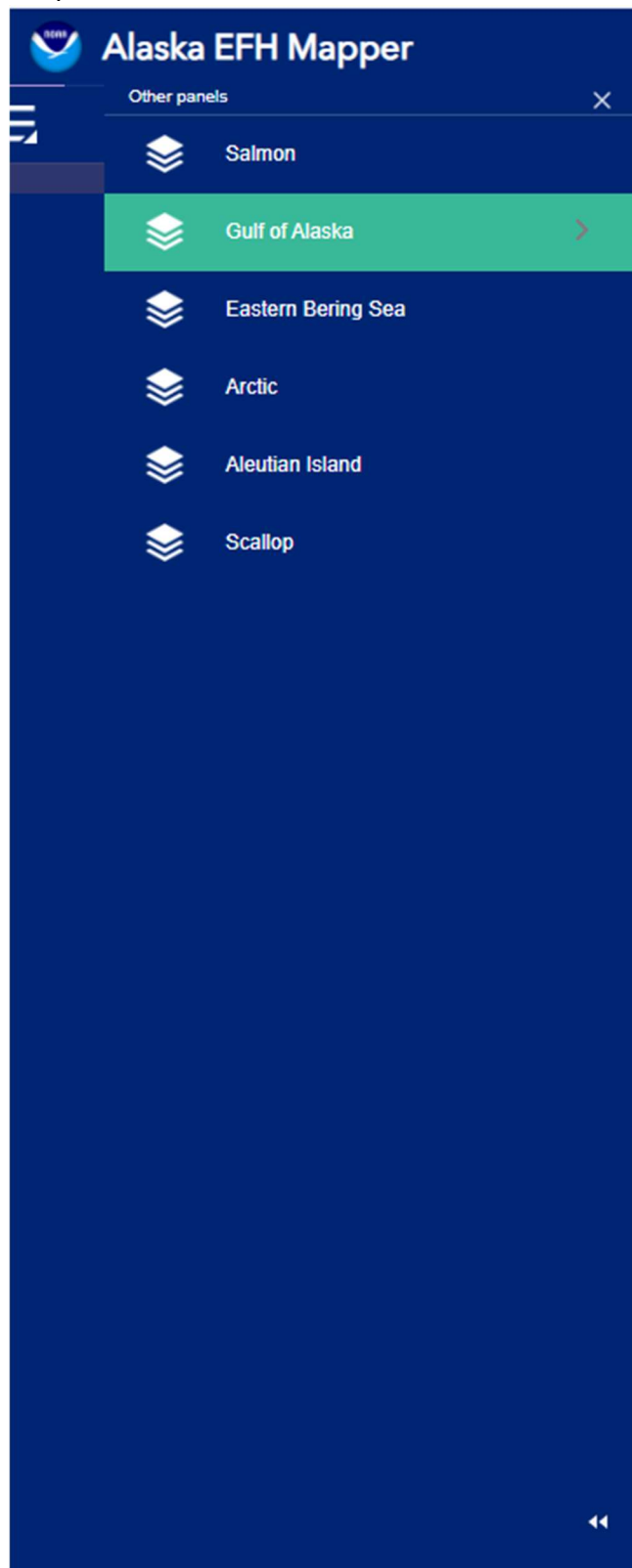
Select the Layers icon. This brings you to the following layers tab with a warning that the EFH layers can take several minutes to load. Select the Click Here link.



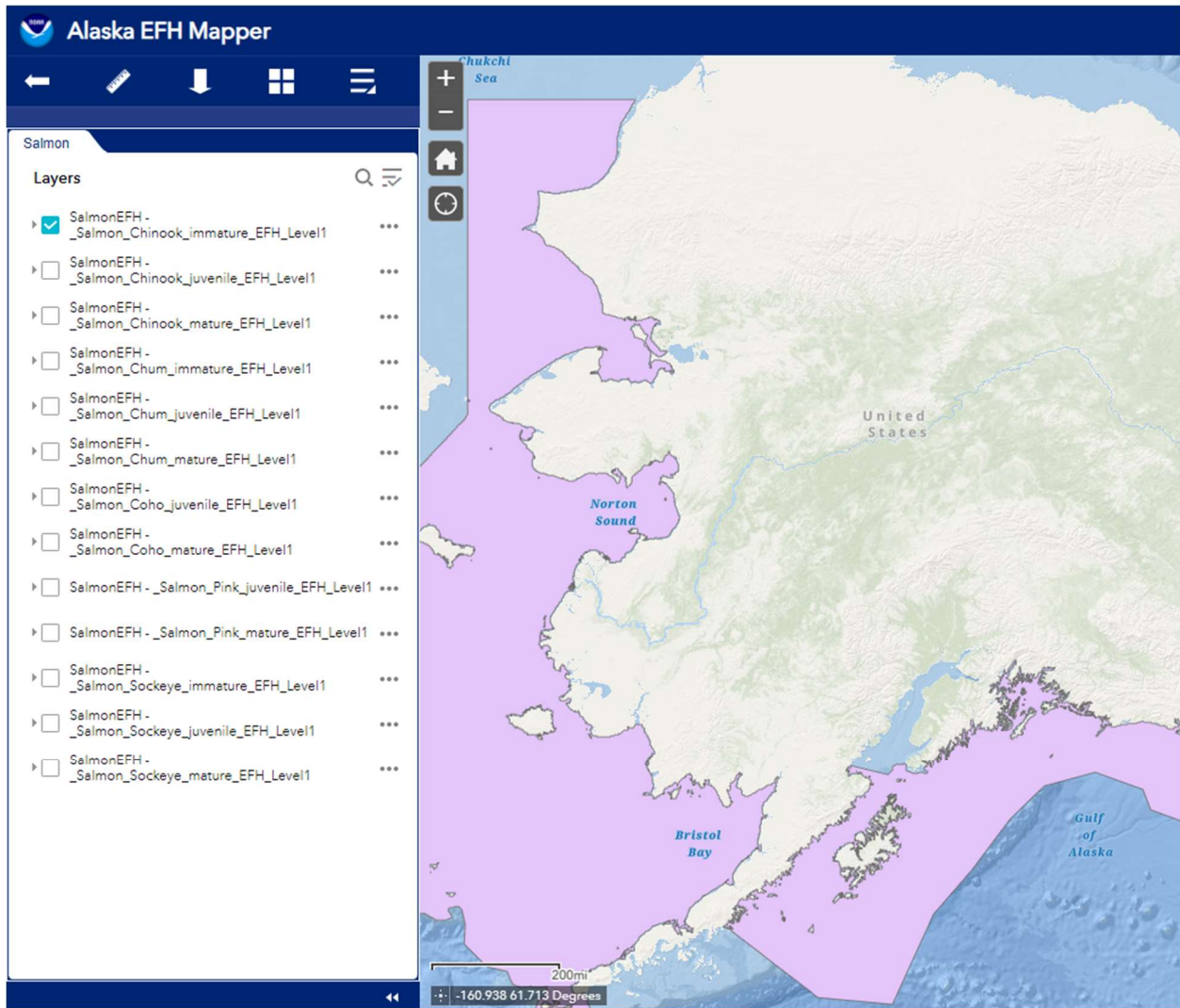
You are now using the EFH Layers Map. Select the expand icon to view the layers.



Select an EFH layers to expand.



Select the layer you would like to display.





Select the back button to open the link to return to the main landing page and select Click Here.

