

Draft Instructions for Catch-In-Areas WebApp

Enter the application through the Splash Page

<https://alaskafisheries.noaa.gov/mapping/webapp/public>

NOTE ON Date Range: By default the application looks back 15 days. The data on this server was last updated on May 15, 2020. Adjust your date range accordingly, when the app goes to full production, data for confidential data will be updated daily (usually by 10am) and for the non-confidential data, quarterly.

The Simple Fisheries and Simple Species are available to the public at 20 kilometer spatial resolution. For AKRO and appropriate staff, the Simple Apps are available at 8km resolution when you zoom in beyond the 1:40000 scale.

All other apps below the simple apps are available in 20km, 8km and by 7.8km Grid-IDs. The more complex apps include the functionality to add VMS, AIS point data, along with the individual 'Fishing' track lines each vessel took during a haul or trip.

Enter the app and login with your username and password. A username will not be required for the public facing application but it is currently required on all applications now.

Click Query window if the query tools are not already available. Select the fisheries you are interested in, the years and quarters (if you don't select a series of quarters, it will assume all quarters). The Submit button initiates the query of the database. The application is doing real-time data analysis and you must give the database 15-30 seconds to do it work. Please do not resubmit the queries unless you're reasonably sure something has stalled. If the expanding circle expands and contracts a few times and then goes away, that means it has been submitted to the database. The data will most likely draw within 20 seconds.

The query window provides the SQL WHERE clause to ensure you have checked everything you are interested in.

Query Menu portaladmin

Fishery Type

- GOA_Rockfish_Non_Pelagic_Trawl
- GOA_Sablefish_Longline
- BSAI_Non_Pollock_Trawl
- BSAI_Jig

From Year: 2016 To Year: 2018

From Quarter: To Quarter:

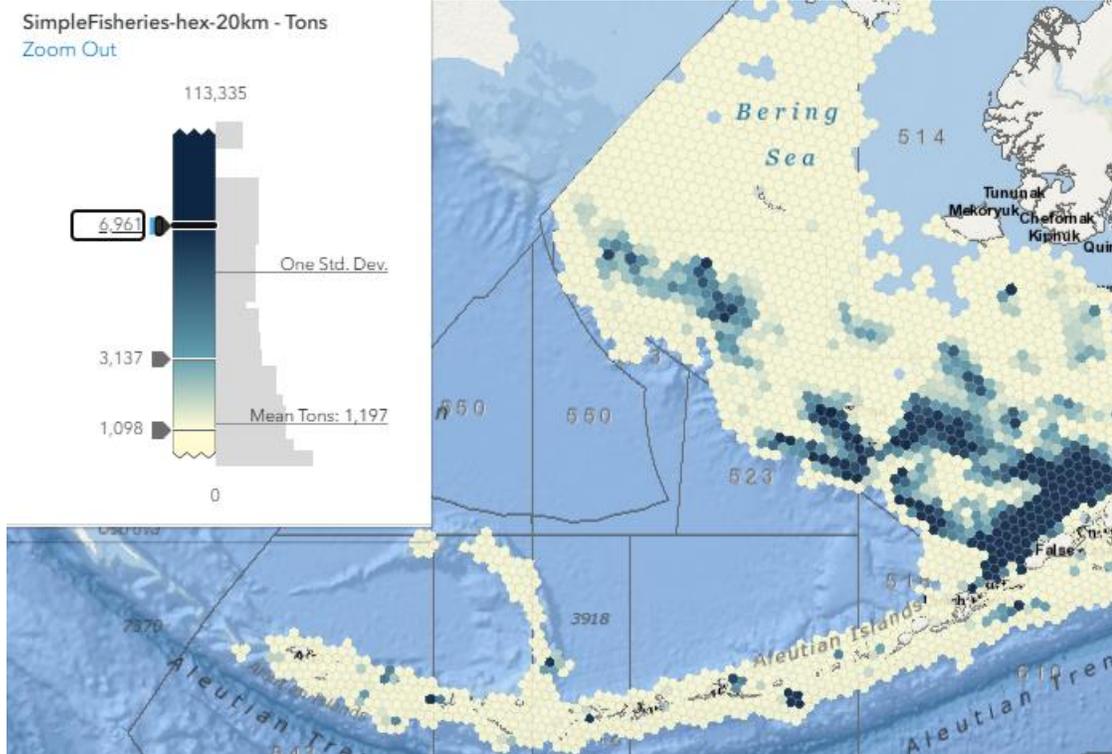
Read Only SQL

```
WHERE FISHERY IN ('GOA_Pacific_cod_Longline', 'GOA Jig', 'BSAI_Groundfish_Pot', 'BSAI_Catcher_Vessel_Longline', 'GOA_Pot', 'GOA_Non_Pelagic_Trawl', 'BSA
```

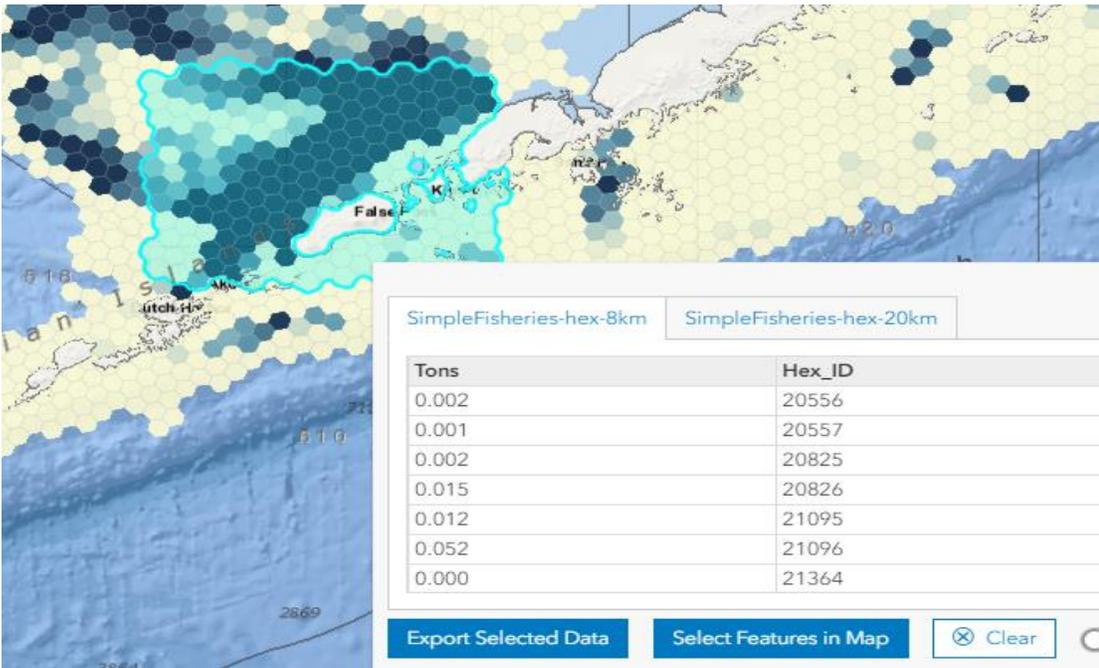
Submit Map Query

Reload Application

The application uses Smart-Mapping in the map symbology and in the legend – both are dynamic. You can adjust the parameters of the symbology in the legend if you are trying to highlight the importance of an area or fishery. If you change the basemap, you will change the choropleth (color scheme).

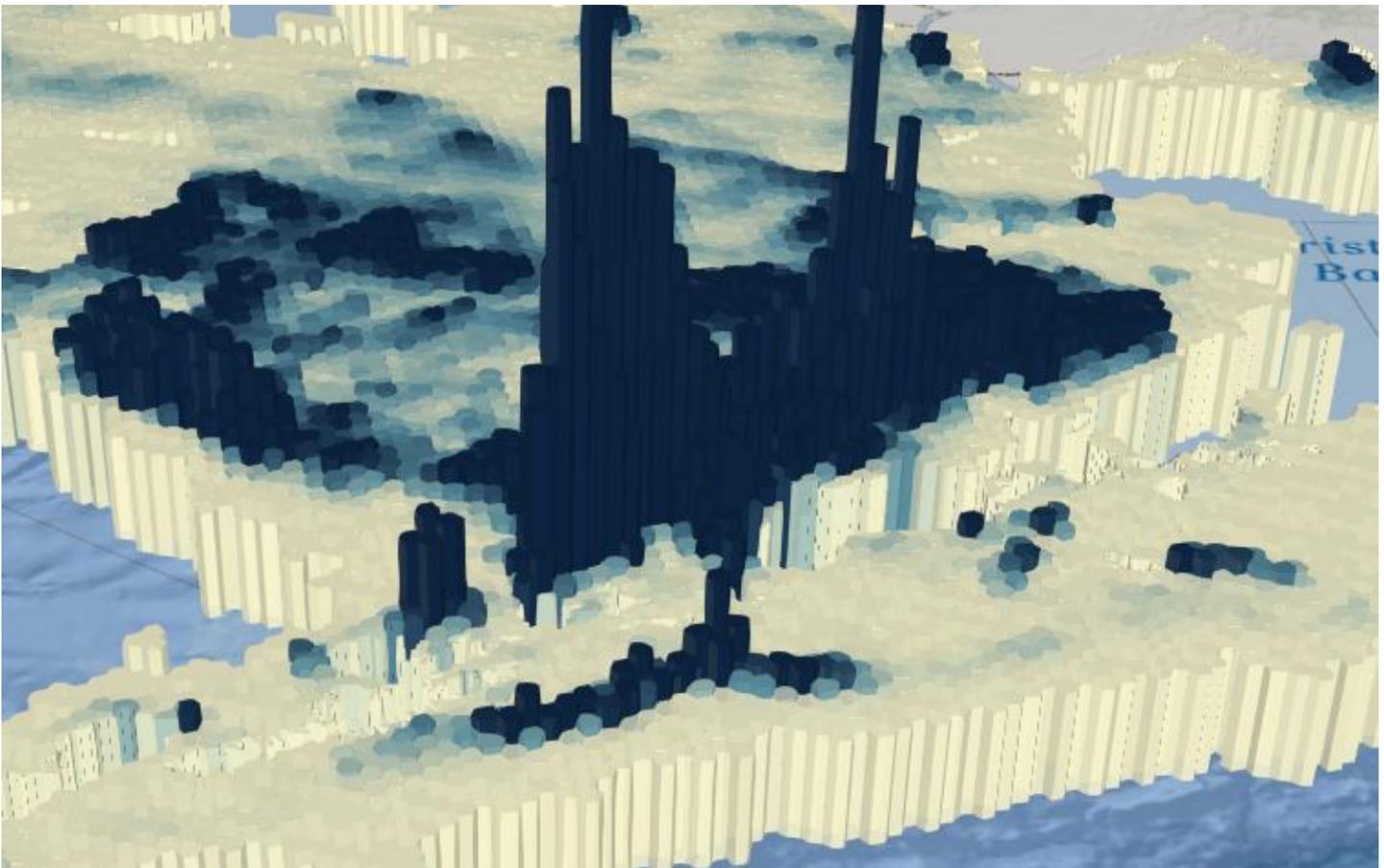


Data can be Selected and Exported and downloaded for desktop use. Data will be exported into a File Geodatabase that is accessible by ArcGIS Applications and OpenGIS products. The data is not directly accessible using Notepad or Excel.

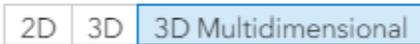


The simple apps are available in 2D, 3D and Multidimensional formats. Application will reload when you select a different format.

2D 3D 3D Multidimensional



An exciting new technology we have introduced in this webApp includes Multidimensional data. The data is stacked by year in each of the hexagons. This gives users the ability to see temporal trends in the data.



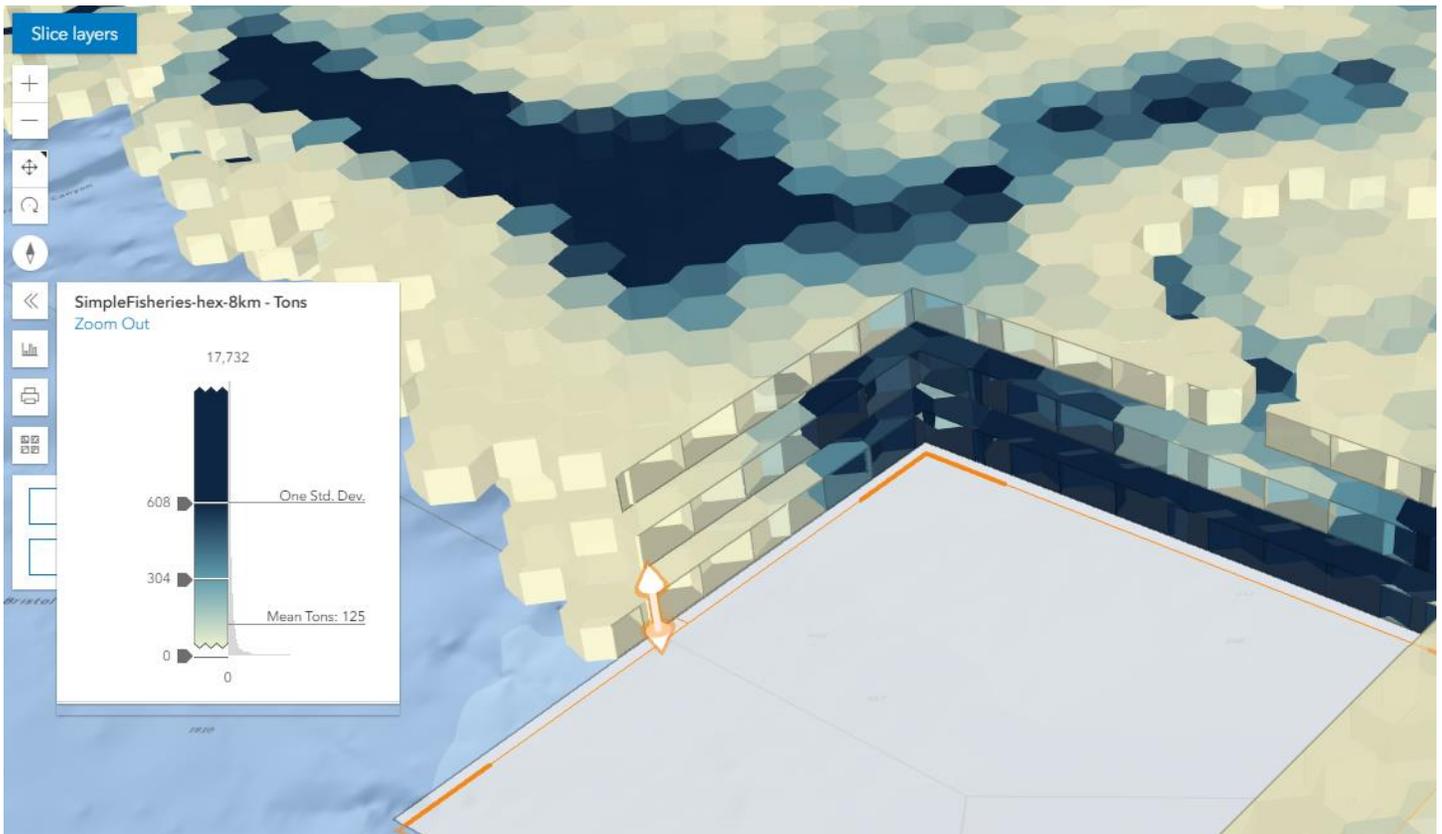
In this query, the 2015 data is in the lower hexagon and the 2019 data is in the top hexagon

A screenshot of a query configuration panel. At the top, it is titled 'Fishery Type' with a close button (X). Below the title is a list of fishery types: 'GOA_Rockfish_Non_Pelagic_Trawl', 'GOA_Sablefish_Longline', 'BSAI_Non_Pollock_Trawl', and 'BSAI_Jig'. Below the list are two columns of date pickers: 'From Year' (set to 2015) and 'To Year' (set to 2019), and 'From Quarter' and 'To Quarter' (both empty). At the bottom is a 'Read Only SQL' field containing a SQL query snippet: 'WHERE FISHERY IN ('GOA_Pacific_cod_Longline', 'GOA_Jig', 'BSAI_Groundfish_Pot', 'BSAI_Catcher_Vessel_Longline', 'GOA_Pot', 'GOA_Non_Pelagic_Trawl', 'BSA'.



In order to peer inside the stacked data, we have included a Slice Tool

This allows the data to be viewed inside the stack of hexagons to see how the temporal dynamics of species or fisheries have changed through the years. The Slice Tool is easily turned on and off for re-placement. If you are looking for trends in the data, we suggest you do not add partial years, like 2020.



An layer and legend can be turned on for fishery restrictions areas, Steller sea lion Critical Habitat, etc.

