

# Community Fishers Map Help



**Register** for an Oceans 3.0 account & get more features

- You can view Geospatial Map without logging in, but you need an account and permissions to view all of the data.

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## What is it?

The Community Fishers Map lets you browse, preview and download CTD (Conductivity-Temperature-Depth) casts from the Community Fishers program.

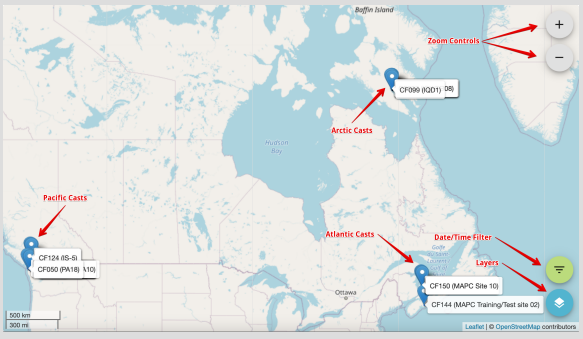
## Why is this useful?

This application is specially designed for the Community Fishers program, and has been built as a low-bandwidth friendly interface, which means it will perform better for people lacking high-speed Internet connections. (Note that there is a special version of the Geospatial Map which was developed for ONC's Arctic partners, which is optimized for especially low-bandwidth connections. This can be accessed via <https://data.oceannetworks.ca/GeospatialMap/>.)

Steps on how to use map are also available in [demo videos](#).

## Large-scale overview

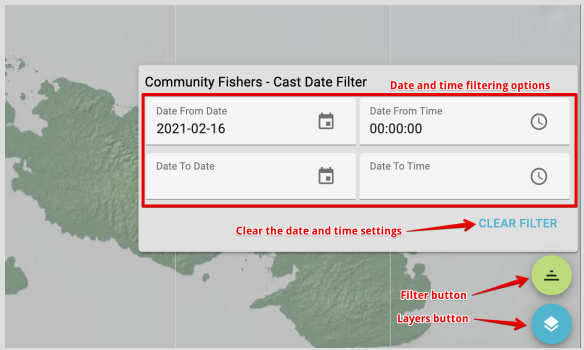
### 1. Geospatial Map: Overview



When started, the map includes casts from the Pacific, Arctic and Atlantic. Each blue marker indicates a cast location. The first ID code in each white box (e.g. CF099) is the Station Name. The second code, enclosed within parentheses (e.g. IQD1) is the Community Fishers Patrol Name. Zoom in to see locations of individual casts. (*click to enlarge*)

## Narrowing the time window

### 2. Geospatial Map: Filtering by Date and Time



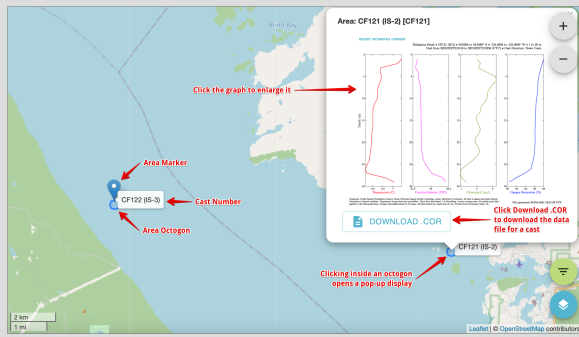
Click the green icon in the bottom right of the map to display the Cast Date Filter pop-up, which allows you to search for casts between specific time frames on the map.

Click **Clear Filter** to empty all time fields and reset the map to show all casts

## Viewing plotted data

## Enlarging the plot

### 3. Geospatial Map: Zooming In

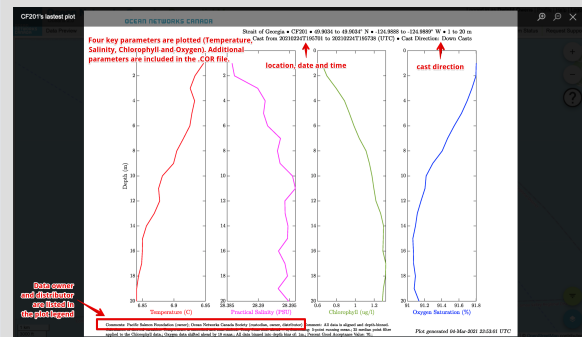


Zooming in to the local scale, octagons appear beneath each blue marker. Click the octagons to reveal pop-up displays of cast data. Click the graph to enlarge it.

The most recent plot appears first; you can view previous casts by clicking the MORE link.

Cast data (in [aligned and depth-binned format](#)) can be downloaded directly by clicking **DOWNLOAD .COR**. [\(click to enlarge\)](#)

### 4. Geospatial Map: Enlarging the plot

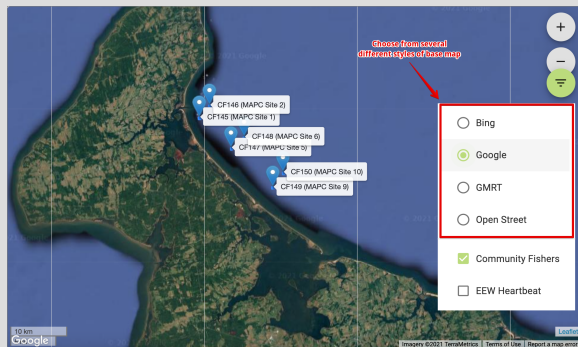


Click the thumbnail graph to enlarge it. [Learn more about this multi-profile plot format](#). Several key parameters, temperature, salinity, chlorophyll and oxygen are included in the plot, but additional parameters are included in the .COR file.

[\(click to enlarge\)](#)

## Switching base maps

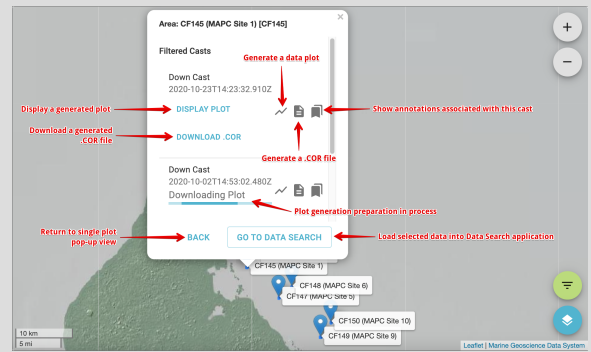
### 5. Switching Base Maps for the Geospatial Map



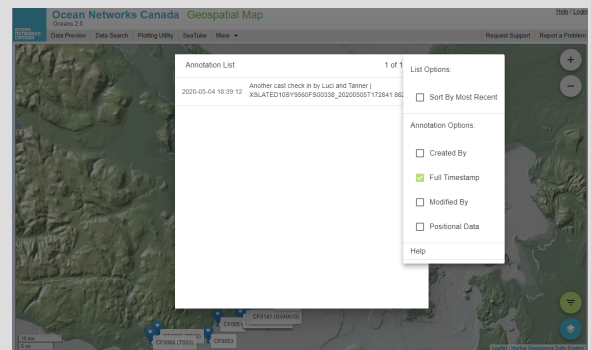
Several different types of base map are available; switch the base map from the **Layers** icon in the lower-right corner. [\(click to enlarge\)](#)

## Data products and annotations

## 6. Geospatial Map: Browsing multiple Casts in a Location



When multiple casts are available from a single location, the most recent plot is listed first; click MORE to browse and preview previous casts. The MORE pop-up window allows you to generate plots, download .COR files and view annotations. You can also select casts from this location for bulk download in the [Data Search](#) application. ([click to enlarge](#))



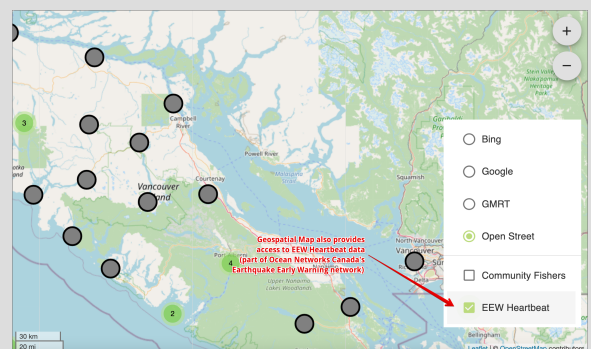
The annotations list displays any annotations made for the selected cast (not all casts have annotations). Filter according to desired options after clicking the three dots (⋮) icon in the top right corner. ([click to enlarge](#))

Clicking away from the pop-up returns you to the Filtered Casts card.

## Downloading data

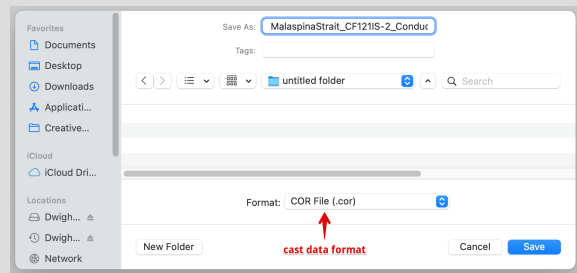
## Future developments

## 8. Choosing Data Layers



In addition to the Community Fishers data, Geospatial Map also provides access to EEW Heartbeat data from the Ocean Networks Canada's Earthquake Early Warning network. Display these different data sets via the layers icon. ([click to enlarge](#))

## 7. Downloading Data



Clicking **DOWNLOAD .COR** allows you to save the data file to your computer. Data have been run through quality controls and averaged over depth. ([click to enlarge](#))

[Learn more about the Aligned and Depth-Binned Profile data file format.](#)

**Ocean Networks Canada Geospatial Map**

Logged in as [User Name]

**Deployment 1 of 1**

**Patrol name:** Malaspina Strait CF121 (IS-2)

**Acknowledgement:** Pacific Salmon Foundation (owner), Conductivity Temperature Depth data from 17-Feb-2021 to 22-Feb-2021 21:32:56; Ocean Networks Canada Society (custodian, owner, distributor), Conductivity Temperature Depth data from 17-Feb-2021 to 22-Feb-2021 21:32:56

**NumberOfCasts:** 1 casts in epoch in search range requested

**Cast:** 1 of 1

**ProcessingCom:** Calculation of derived variables: Practical Salinity, Density and Sound Speed are calculated using smoothed conductivity and smoothed scan-shifted Temperature. Temp Scan shift ahead = 0; Smoothing: 5-point running mean; 25 median point filter applied to the Chlorophyll data; Oxygen data shifted ahead by 18 scans.; All data binned into depth bins of: 1m.; Percent Good Acceptance Value: 78.;

**Cast Location:** Community Fishers

**Station name:** CF121

**ProcessingDate:** 2021-02-23 05:18:05.582 ; UTC

**StartDateCast:** 2021-02-22 21:31:59 ; UTC

**EndDateCast:** 2021-02-22 21:32:52 ; UTC

**LongitudeCastStart:** -124.88278 ; deg E

**LongitudeCastEnd:** -124.882785 ; deg E

**LatitudeCastStart:** 49.636845 ; deg N

**LatitudeCastEnd:** 49.63687 ; deg N

**DepthCastStart:** 1 m

**DepthCastEnd:** 29 m

**\*\*\* 4 devices in cast**

**ML-6 LQR A08823**

**Alec Electronics Rinko-III 0373**

**Turner Cyclops-7F Fluorometer (S/N 980138)**

**XS1500 D18 Tablet (S/N SV9568J581486)**

**\*\*\* end devices**

**Column 1:** Time, **Column 2:** Conductivity (aligned and depth-binned); (S/m), **Column 3:** Density (aligned and depth-binned); (kg/m3), **Column 4:** Depth (aligned and depth-binned) (mobile position/altitude sensor); (m), **Column 5:** Practical Salinity (aligned and depth-binned); (psu), **Column 6:** Pressure (aligned and depth-binned); (decibar), **Column 7:** Sound Speed (aligned and depth-binned); (m/s), **Column 8:** Temperature (aligned and depth-binned); (C), **Column 9:** Oxygen Saturation (aligned and depth-binned); (%), **Column 10:** Chlorophyll (aligned and depth-binned); (ug/l), **Column 11:** Latitude (aligned and depth-binned) (mobile position/altitude sensor); (deg), **Column 12:** Longitude (aligned and depth-binned) (mobile position/altitude sensor); (deg)

**BEGIN DATA**

20210222T213159.457Z , 2.877067 , 1021.787329 , 1.000000 , 27.851297 , 0.992516 , 1470.887221 , 7.887803 , 95.817182 , 2.811753 , 49.636845 , -124.882788

20210222T213201.768Z , 2.873185 , 1021.785640 , 2.000000 , 27.837758 , 1.987982 , 1469.927686 , 7.848837 , 97.727299 , 2.226958 , 49.636845 , -124.882788

20210222T213303.747Z , 2.890114 , 1021.885314 , 3.000000 , 27.829968 , 3.847984 ,

The **.COR** format is a text file, which can be opened in a standard text editor. Cast data acknowledgements section lists both the owner and the distributor of the data.