

FieldScope - Loko ea Project Reference Guide

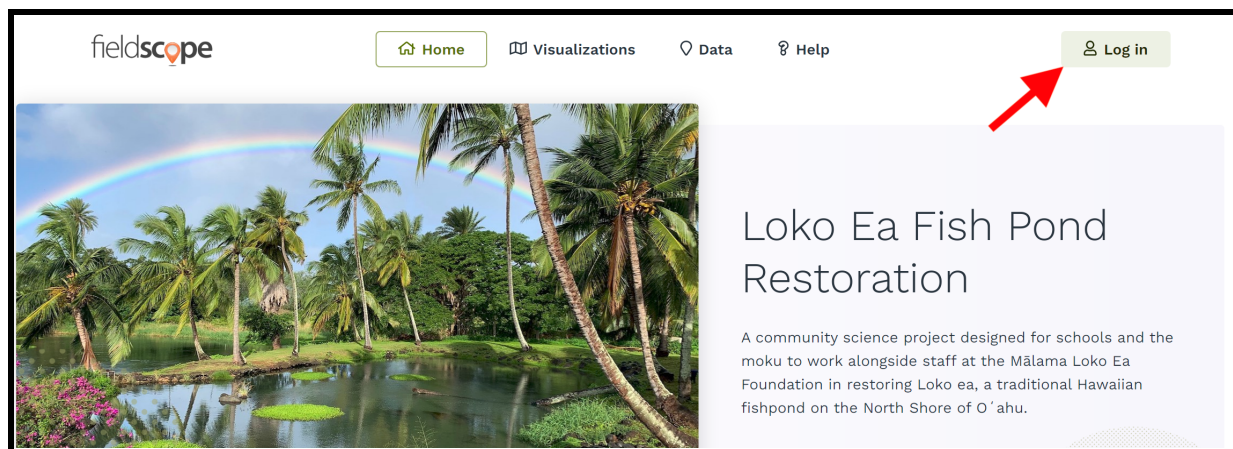
Access the Loko Ea FieldScope community science project online: <https://lokoea.fieldscope.org/>

In this guide, instructions are included for:

1. Logging in to FieldScope
2. Adding your group's data
3. Visualizing and analyzing your data
4. Annotating and saving your visualization

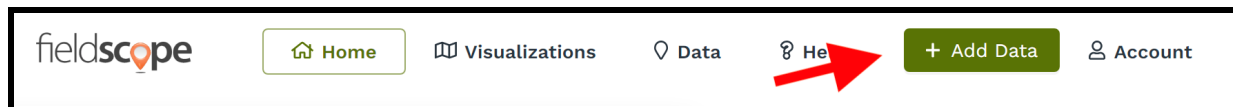
1. Log In to FieldScope

To log in to FieldScope, click “Log in” on the top right of the FieldScope project. Use the login credentials provided by your teacher.



2. Add your group's data

2a. After you are logged in, click the + Add Data button in the top menu.



2b. Click on the option for “All stations” and select the name of your testing site. This station is recorded in your Lesson 7 Student Activity Sheet.

← Observation

Station *

☐ Previously used stations

☒ All stations

SP1

SP2

SP3

SP4

Test Site 1

Test Site 2

Test Site 3

Test Site 4

Loko ea Pt

2c. Add your data. Make sure to add the correct date for your field trip to Loko ea.

Fill in all the data from your student activity sheet. You may have data for the following:

- weather *kilo* (observations)
- water quality data
- fish observation data
- field notes
- photos

There may be options to include data that you did not record on your trip to Loko ea. Leave these blank.

You will have two water temperature values collected from the water temperature and salinity sensors. As a group, calculate the average temperature and enter the average value.

Observation details

Observation date *

Select date

Water Quality Data

Collection Group Name

Observation Time

Select ti...

Observation Depth ②

m

Water Temperature

deg C

Salinity

PPT

Dissolved Oxygen ②

mg/l

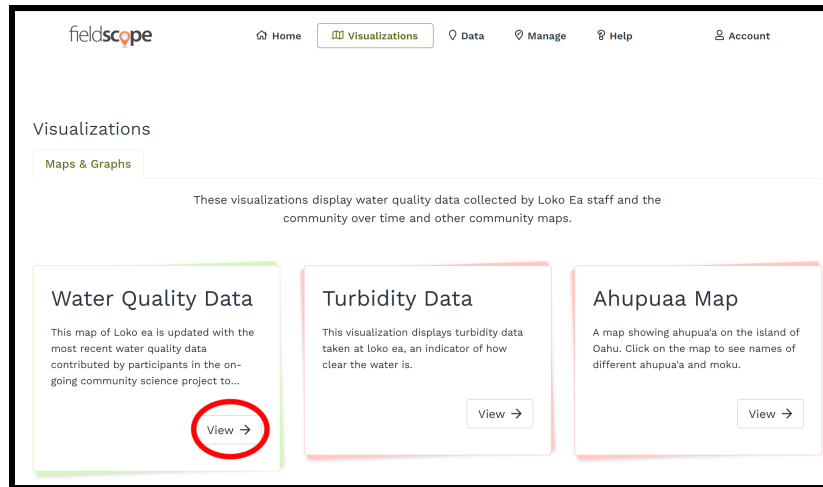
2d. Make sure to click “Save observation” at the bottom of the form to save your work :

Save observation

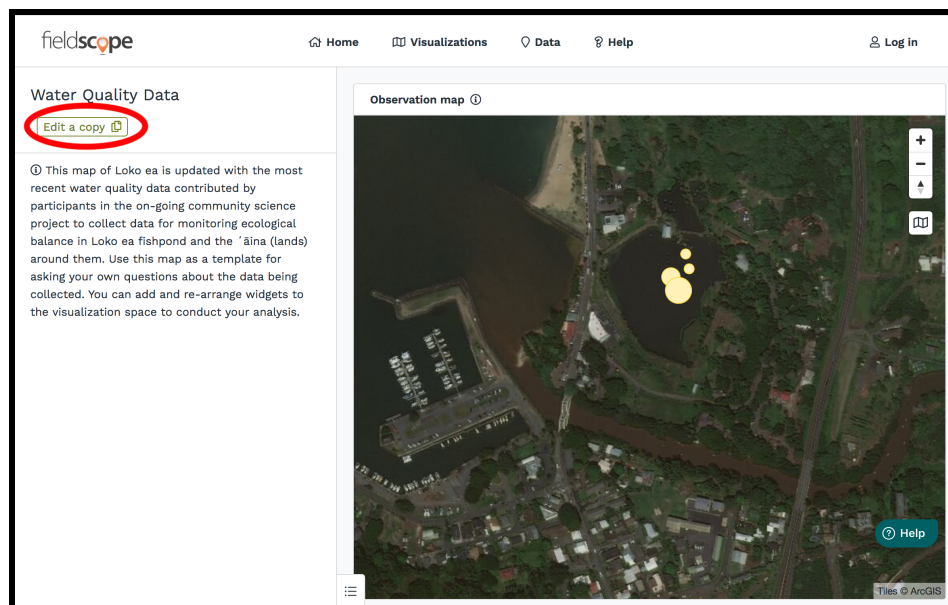
Save & add another

3. Visualize and analyze your data

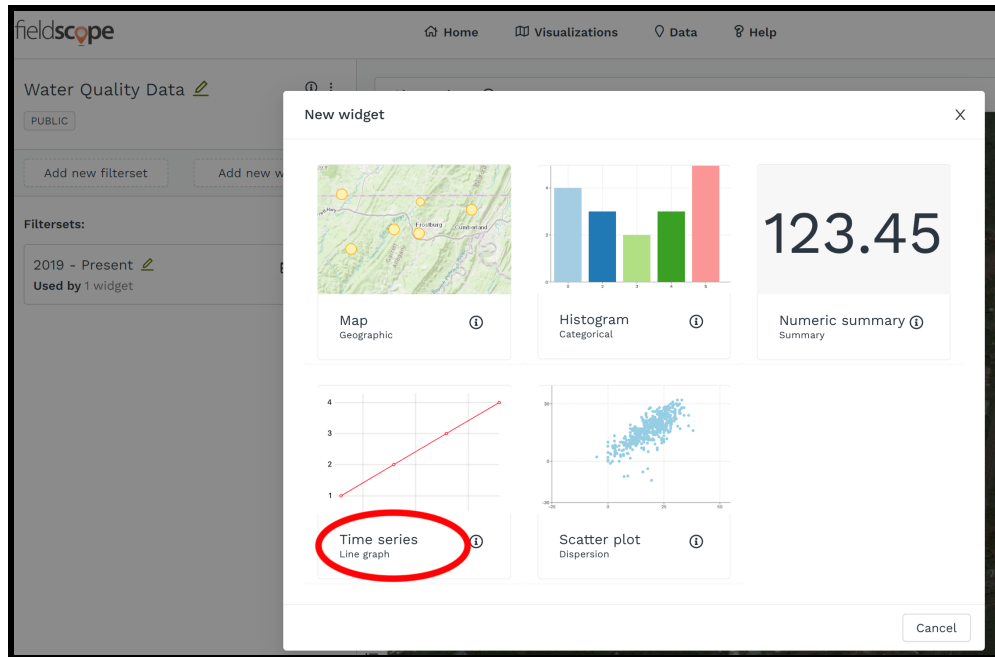
3a. To create a graph of the data collected at Loko ea, go to the visualization section and click on “View” under the visualization box titled “Water Quality Data”. You can also load it directly with the following URL: <https://lokoea.fieldscope.org/visualizations/29/>



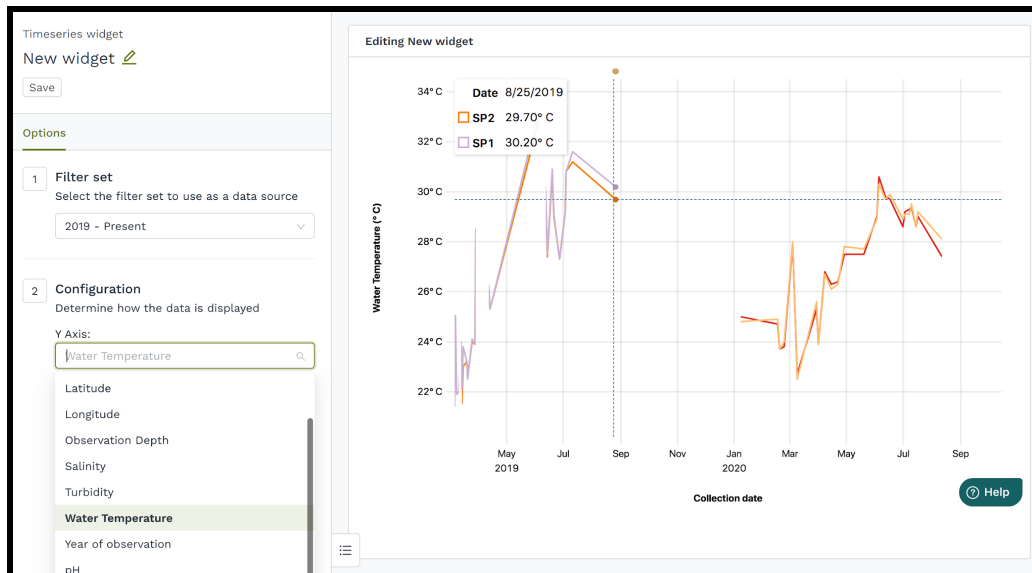
3b. After the visualization has loaded, click on “Edit a copy” to begin to construct your graph of the data.



- 3c. In edit mode, select the “Add new widget” option. A widget is a visual display of the data, like a graph or a summary. In the menu that pops up, select “Time series”.



- 3d. To add a graph to your visualization, select a variable for the Y-axis. The graph will show data for that variable from each of the monitoring stations at Loko ea.

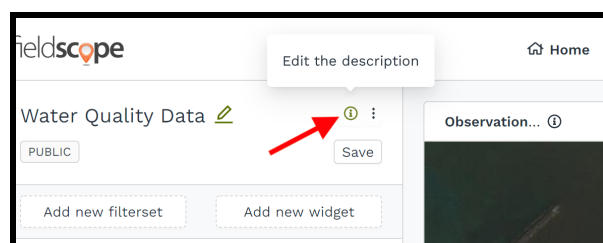


3e. Optional: You can add a second Y-axis. This will average data at all Loko ea monitoring sites into one line so you can compare one variable to another more easily .

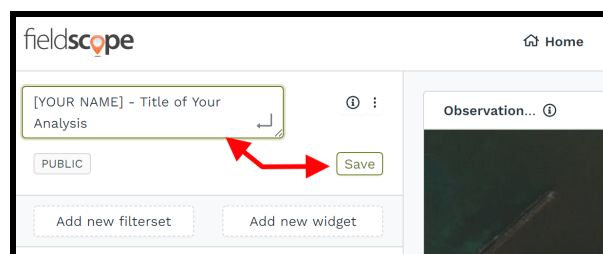


4. Save and annotate your visualization

4a. When you are ready, save your work. Click on the info icon to pull up a text box to add your description. Make sure you communicate your results in your description.



4b. When your work is complete, give your visualization a title and save it. **Add your group name and class period** to the beginning of the title so that you and your teacher can easily identify your visualization.



4c. Take a screenshot of your graph to share with your teacher and the class. Use the pin icon to make your graph the main visualization.

