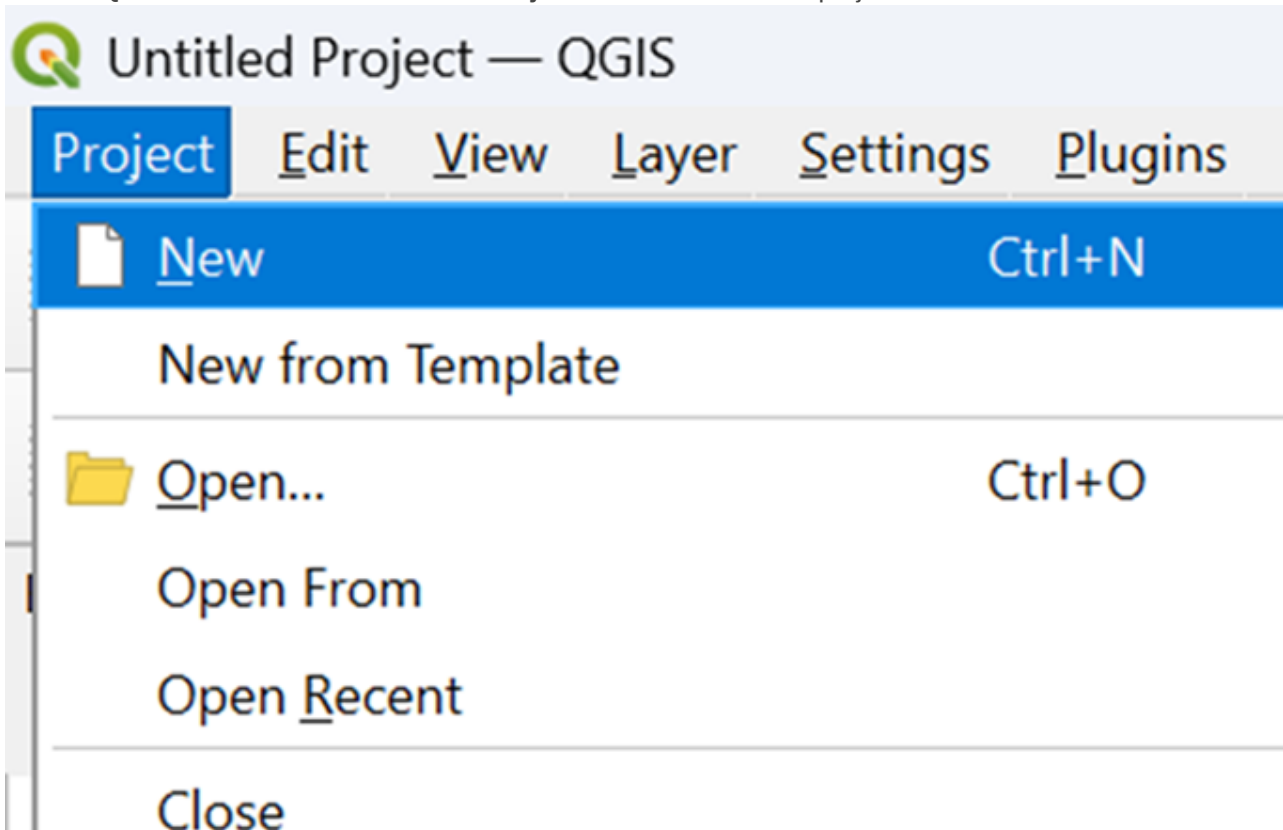


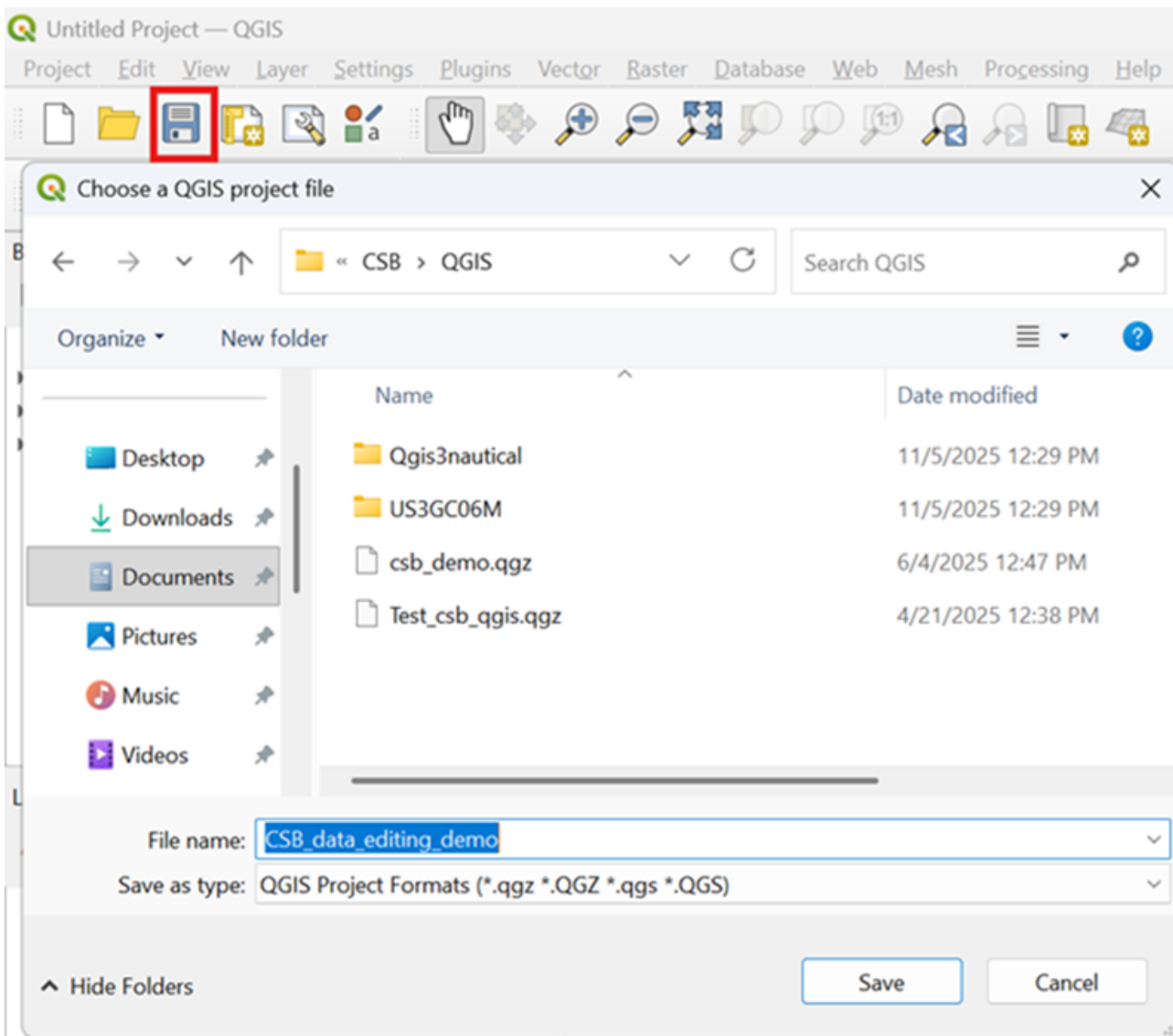
QGIS: Editing tide-corrected CSB data

For Trusted Nodes that prefer to use free and open-source GIS software, the following section describes how to edit tide-corrected CSB data using QGIS, and how to export shapefiles of data that can be shared with program participants.

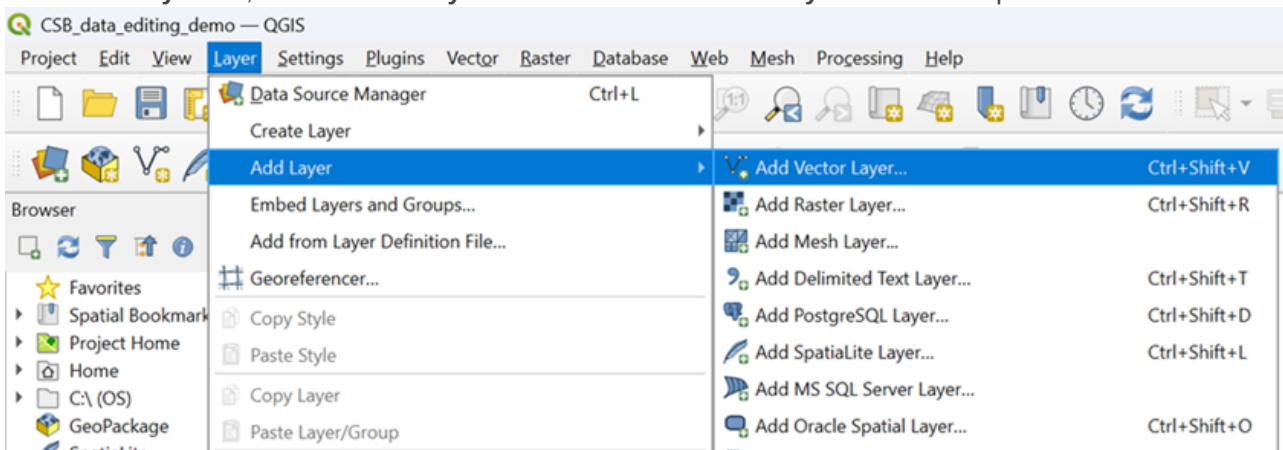
1. Launch QGIS and select **New** under the **Project** tab to create a new project.



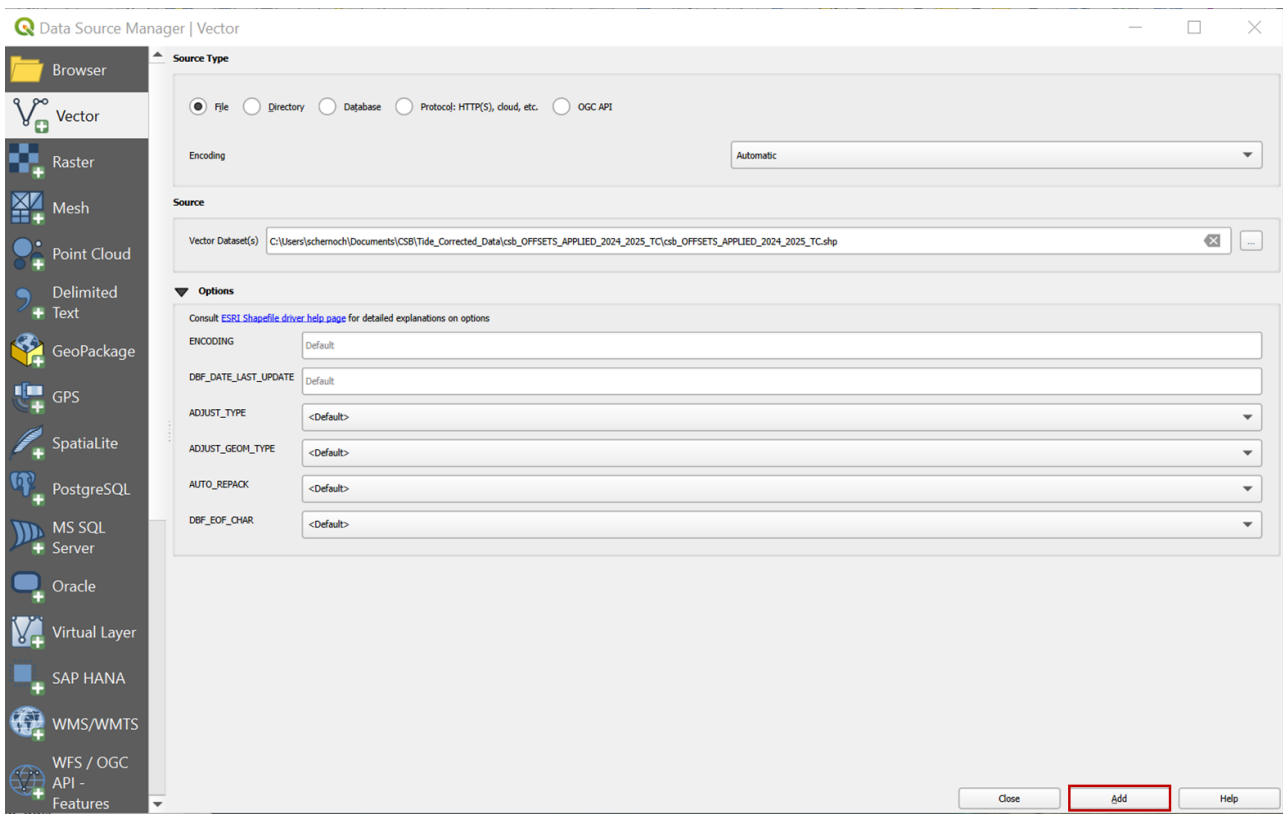
2. Click the Save icon to name the project and save it in an appropriate location.



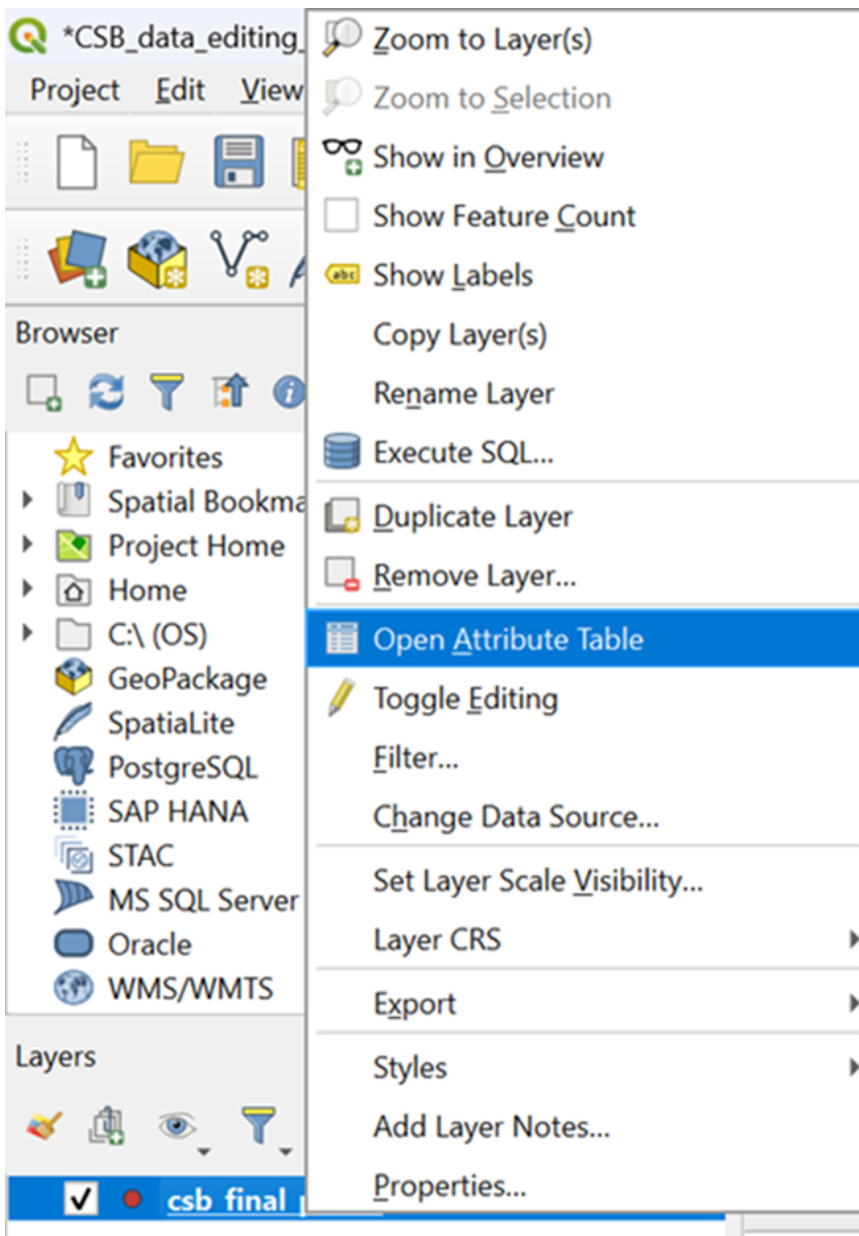
- Under the **Layer** tab, click on **Add Layer** and select **Add Vector Layer** from the drop-down menu.



- In the **Source / Vector Dataset** box, navigate to the .gpkg of tide-corrected data that was output by Pydro. Click **Add** to import the data to the project.



5. Right click on the vector layer and select **Open Attribute Table**.



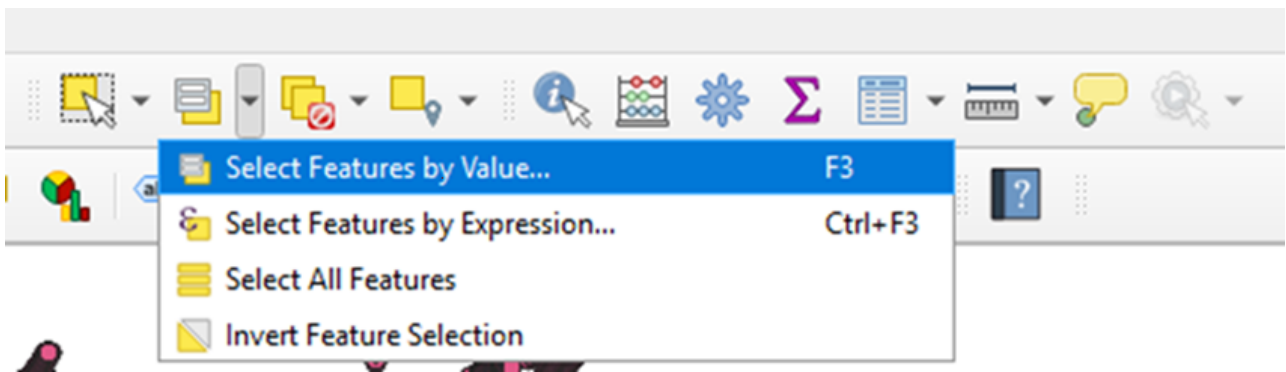
6. The table should contain the columns: **lat**, **lon**, **time**, **depth**, and **platform_name**.

csb_final_points — Features Total: 2512139, Filtered: 2512139, Selected: 0

	fid	lat	lon	outlier	depth	unique_id	platform_name	time	uncertainty_vert
1	2277328	27.6435470581...	-82.745491027...	false	-0.6541179944...	COMITUSF-178...	COMIT 1 - Resc...	20250427 17:48...	2.03270589972...
2	2277295	27.6435585021...	-82.745498657...	false	-0.6561179944...	COMITUSF-178...	COMIT 1 - Resc...	20250427 17:35...	2.03280589972...
3	2277296	27.6435585021...	-82.745498657...	false	-0.6561179944...	COMITUSF-178...	COMIT 1 - Resc...	20250427 17:35...	2.03280589972...

If your shapefile contains data from multiple participants, you will need to apply a selection query to create individual layers for each participant's data.

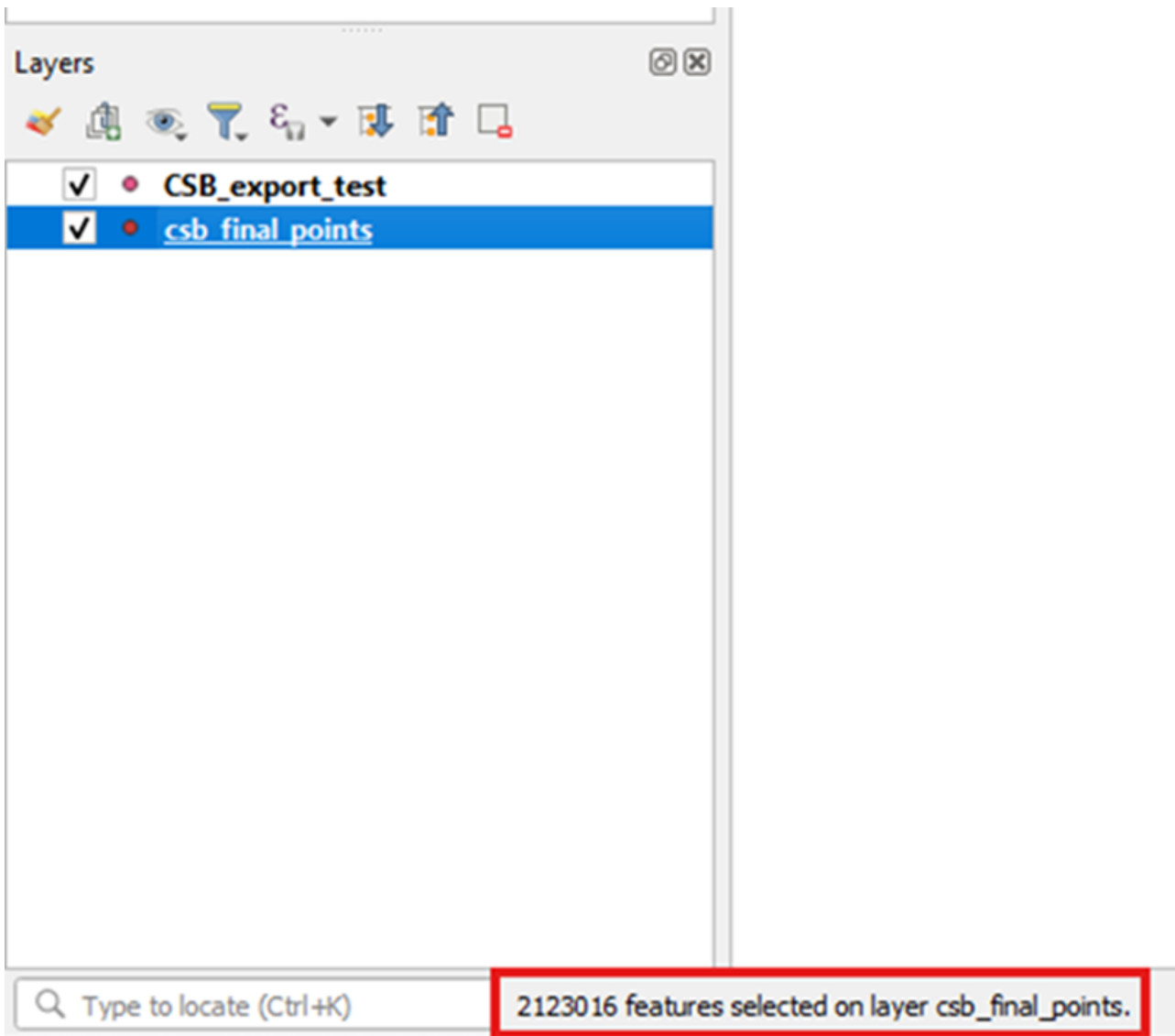
7. Select the CSB vector layer and click on the **Select Features by Value** icon. To select all data points from an individual participant, enter an appropriate term into the *platform_name* box, and set the filter to *Contains*. Click on **Select Features** to apply the selection.



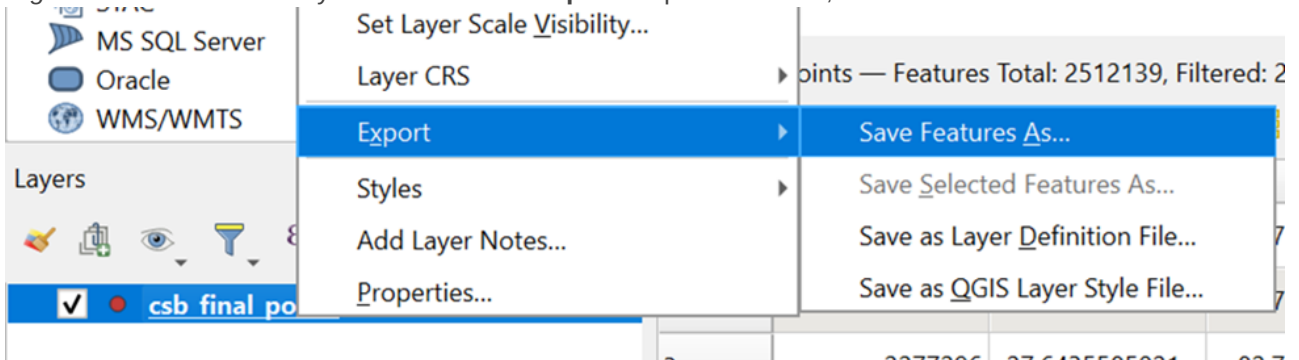
csb_final_points — Select Features

fid		☐	Exclude Field...
lat		☐	Exclude Field...
lon		☐	Exclude Field...
outlier	☐	☐	Exclude Field...
depth		☐	Exclude Field...
unique_id		☐ Case sensitive	Exclude Field...
platform_name	Eckerd	☐ Case sensitive	Contains...
time		☐ Case sensitive	Exclude Field...
uncertainty_vert		☐	Exclude Field...

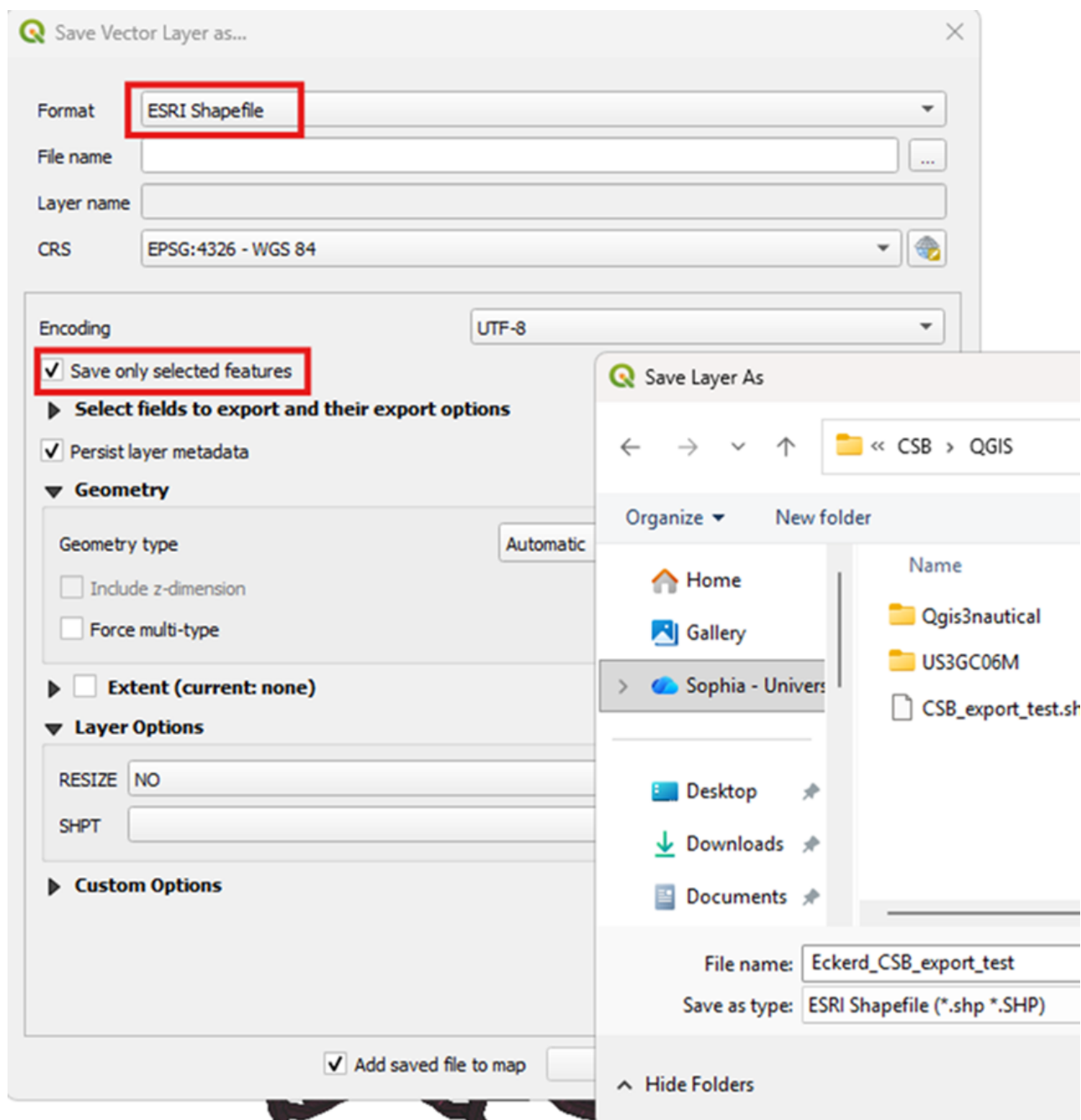
8. A banner at the bottom left of the window should read out how many points were included in the selection.



9. Right click on the vector layer and under the **Export** drop-down menu, select **Save Feature As**.



10. Select *ESRI Shapefile* as the **Format** and add an appropriate file name and location. Make sure to check the box to *Save only selected features*. Click **OK** to save.



You now have a shapefile of tide-corrected CSB data that can be zipped and sent to an individual participant.

Revision #2

Created 2026-01-14 22:04:23 UTC by Sophie Chernoch

Updated 2026-01-29 01:20:32 UTC by Sophie Chernoch