

國立中山大學  
National Sun Yat-sen University



# Quick QGIS guide

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Jun 05 2025  
National Sun-Yet Sen  
University





Browser

- ★ Favorites
- ▶ Spatial Bookmarks
- ▶ Home
- ▶ C:\ (OS)
- ▶ D:\ (Data)
- ▶ G:\ (Google Drive)
- GeoPackage
- SpatialLite
- PostgreSQL
- SAP HANA
- MS SQL Server
- Oracle
- WMS/WMTS
- Vector Tiles
- XYZ Tiles
  - Mapzen Global Terrain
  - OpenStreetMap
- WCS
- WFS / OGC API - Features
- ArcGIS REST Servers

An update to the QuickMapServices plugin is available

[Install Updates...](#) [I more](#)

Layer Styling



### QGIS User Conference 2025 will take place in June in Sweden

Save the date! The next global QGIS User Conference will be in Norrköping, Sweden from 2-3 June, 2025. Our contributor meeting will be directly afterwards from 4 to 6 June, 2025.

QGIS User Conference and Contributor meetings are the best place to engage with the community, keep up with the latest QGIS related news, and find your own path to contributing to the QGIS project.

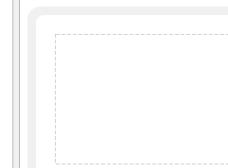
Double click on this entry to find out more!



### QGIS for Peace

A message of peace from the QGIS Community: We, the developers, contributors and community members of the QGIS Project view the ongoing world events in Ukraine and other conflict areas around the world with great sadness. Our aim in developing QGIS has always been to provide a powerful tool to support the creation of a just and humane society. We want to enable a world where every person has a voice, the ability to express, and be secure in, their tenure in their homes, villages, towns, cities and countries. We know tools like QGIS are used to

## Project Templates



### New Empty Project

EPSG:4326 - WGS 84

Not supported or no layer

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- ArcGIS REST Services

Layers

- Labeling
- Show in Overview
- Show All in Overview
- Hide All from Overview

Layer

- Add Layer
  - Embed Layers and Groups...
  - Add from Layer Definition File...
  - Georeferencer...
- Copy Style
- Paste Style
- Copy Layer
- Paste Layer/Group
- Open Attribute Table F6
- Filter Attribute Table
- Toggle Editing
- Save Layer Edits
- Current Edits
- Save As...
- Save As Layer Definition File...
- Remove Layer/Group Ctrl+D
- Duplicate Layer(s)
- Set Scale Visibility of Layer(s)
- Set CRS of Layer(s) Ctrl+Shift+C
- Set Project CRS from Layer
- Layer Properties...
- Filter... Ctrl+F
- Labeling
- Show in Overview
- Show All in Overview
- Hide All from Overview

Data Source Manager | Raster

**Source Type**

File  Protocol: HTTP(S), cloud, etc.

**Source**

Raster dataset(s)

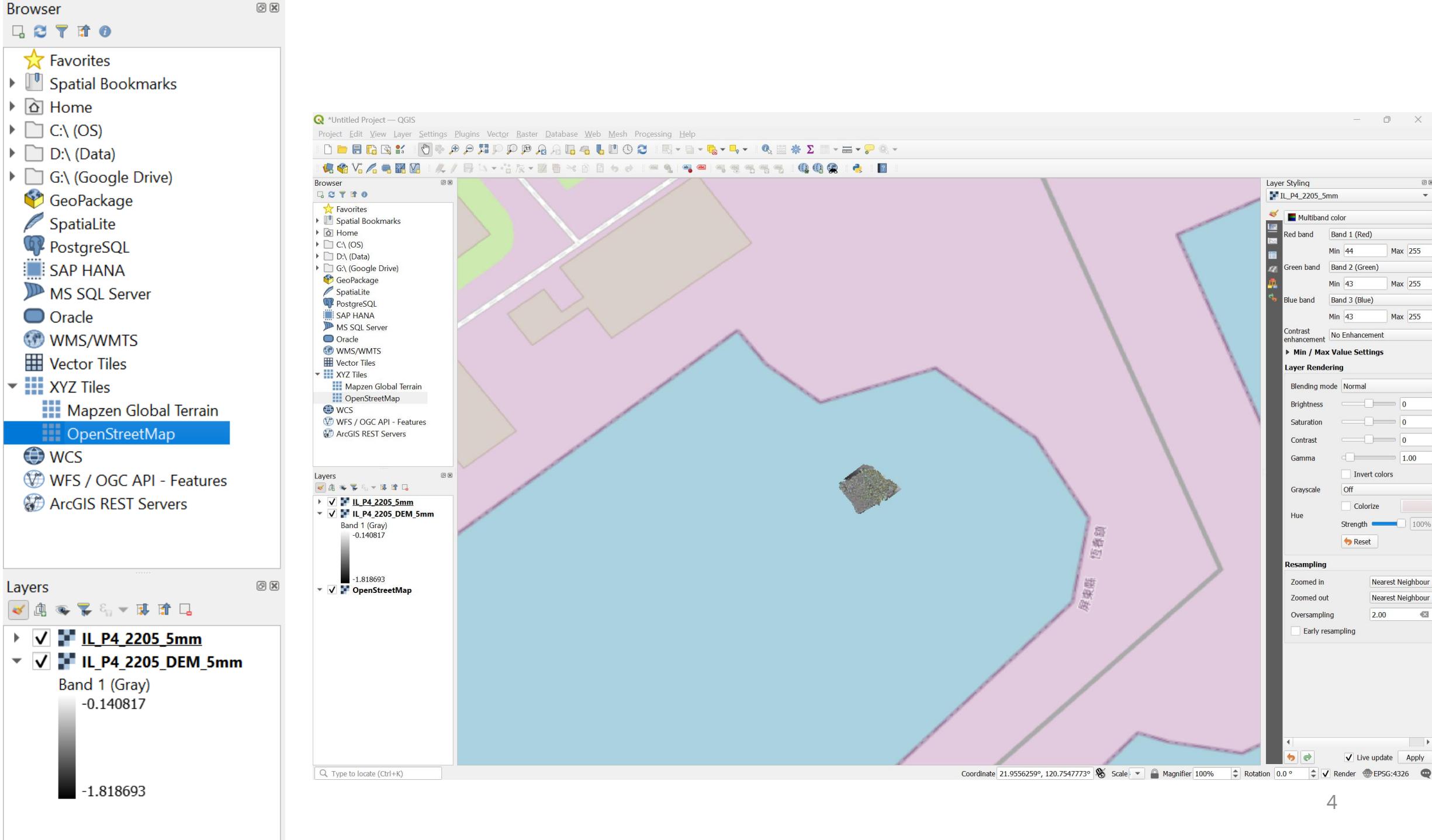
Browser Vector Raster Mesh Point Cloud Delimited Text GeoPackage GPS Spatialite PostgreSQL MS SQL Server Oracle Virtual Layer SAP HANA WMS/WMTS WFS / OGC API

Open GDAL Supported Raster Dataset(s)

Organize New folder

Name	Date modified	Type
IL_P4_2209_DEM_5mm.tif	5/6/2025 9:40 PM	TIF File
IL_P4_2209_5mm.tif	5/6/2025 9:42 PM	TIF File
IL_P4_2205_DEM_5mm.tif	5/7/2025 1:19 PM	TIF File
IL_P4_2205_5mm.tif	5/7/2025 1:20 PM	TIF File
IL_P4_2312_corals.shx	5/7/2025 12:22 PM	SHX File
IL_P4_2205_corals.shx	5/7/2025 12:20 PM	SHX File

File name: "IL\_P4\_2205\_5mm.tif" "IL\_P4\_2205\_DEM\_5mm.tif"



Q \*Untitled Project — QGIS

Project Edit View Layer Settings Plugins Vector Raster Database Web Mesh Processing Help

Data Source Manager Ctrl+L

**Create Layer**

- New GeoPackage Layer... Ctrl+Shift+N
- New Shapefile Layer...
- New SpatialLite Layer...
- New Temporary Scratch Layer...
- New Mesh Layer...
- New GPX Layer...
- New Virtual Layer...

Browser

Favorites

Spatial Bookmarks

Home

C:\ (OS)

D:\ (Data)

G:\ (Google Drive)

GeoPackage

SpatialLite

PostgreSQL

SAP HANA

MS SQL Server

Oracle

WMS/WMTS

Vector Tiles

XYZ Tiles

Mapzen Globes

OpenStreetMap

WCS

WFS / OGC API

ArcGIS REST Services

Layers

IL\_P4\_2205

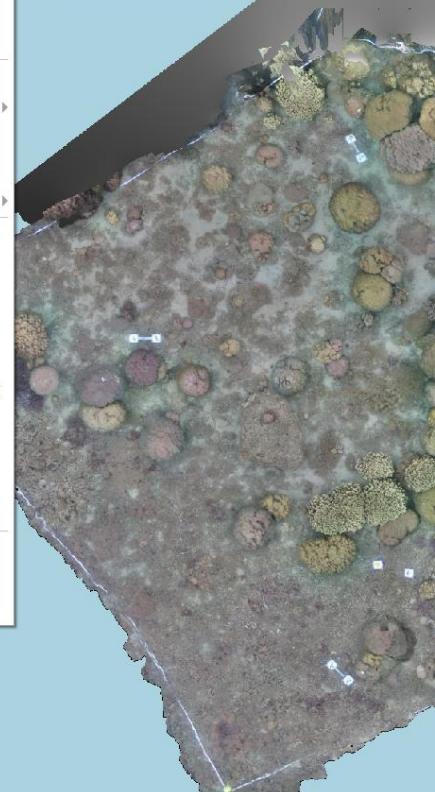
IL\_P4\_2205

Band 1 (Gray)  
-0.140817

-1.818693

OpenStreetMap

Type to locate (Ctrl+K)



The screenshot shows the QGIS application interface. The top menu bar includes Project, Edit, View, Layer, Settings, Plugins, Vector, Raster, Database, Web, Mesh, Processing, and Help. The Layer menu is open, showing options like Data Source Manager, Create Layer, and various layer creation tools. A sub-menu under Create Layer is open, showing options such as New GeoPackage Layer..., New Shapefile Layer..., and others. The main workspace displays an aerial photograph of a coral reef. On the left, the Layers panel lists layers including 'IL\_P4\_2205' (checked) and 'OpenStreetMap'. A status bar at the bottom shows coordinates: -1.818693.

New Shapefile Layer

File name: coral-annotation.shp

File encoding: UTF-8

Geometry type: Polygon

Additional dimensions: None (selected), Z (+ M values), M values

EPSG:4326 - WGS 84

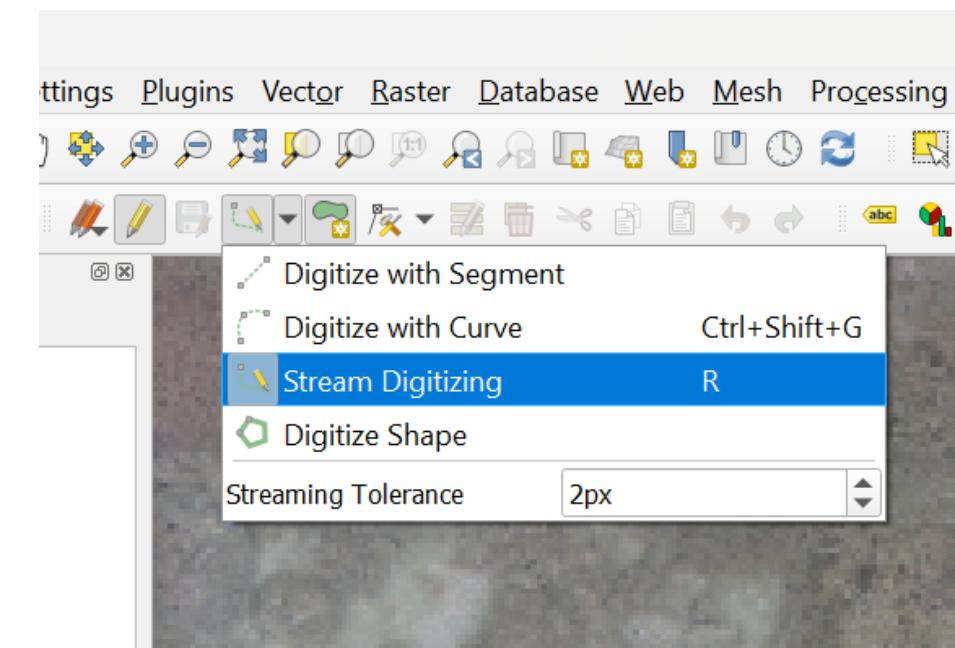
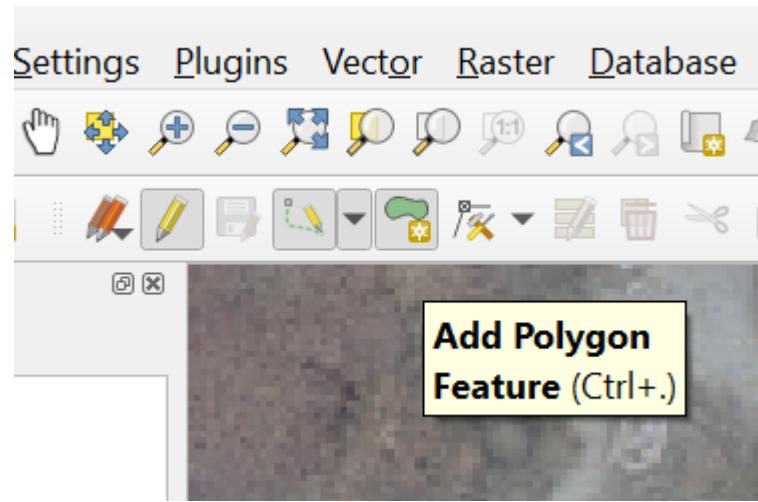
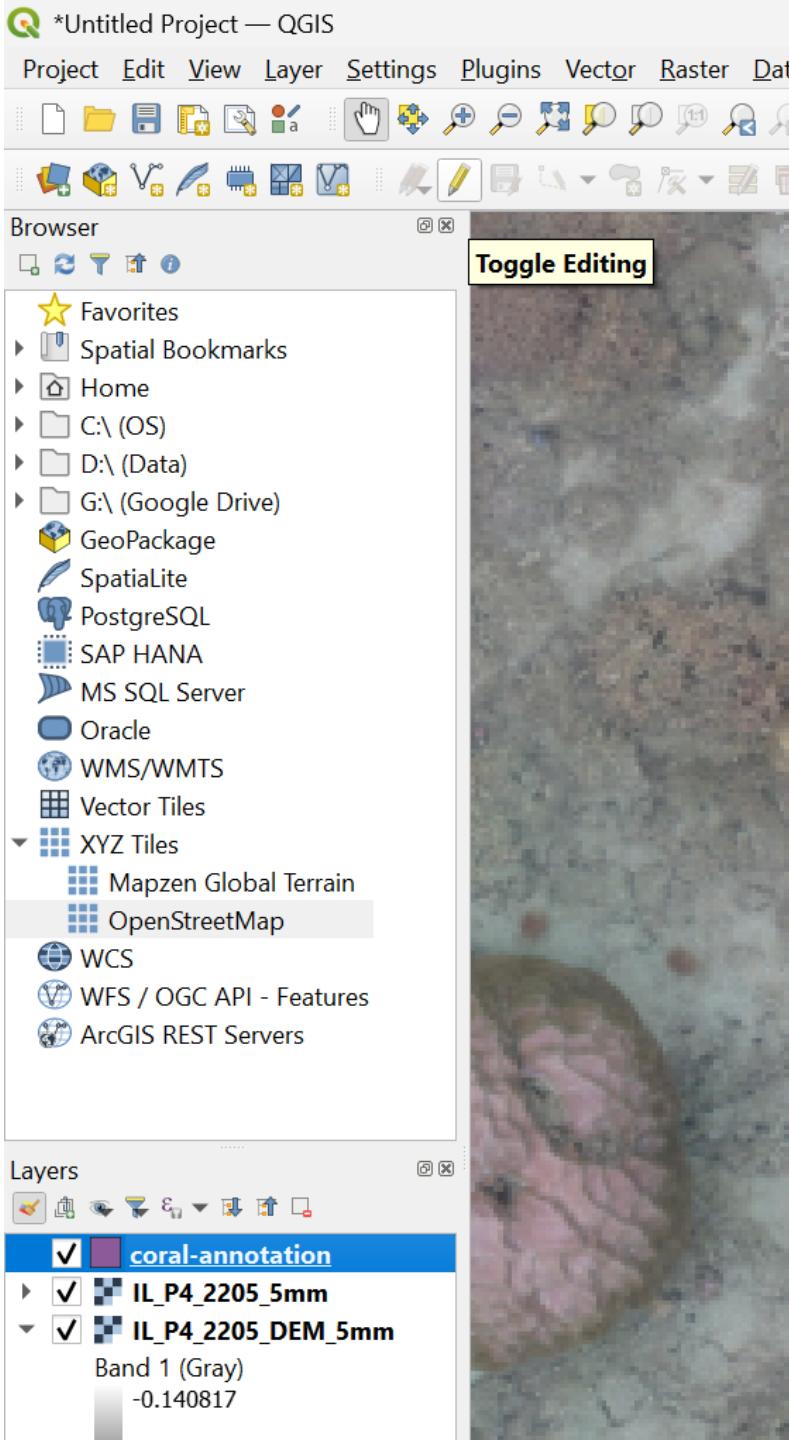
**New Field**

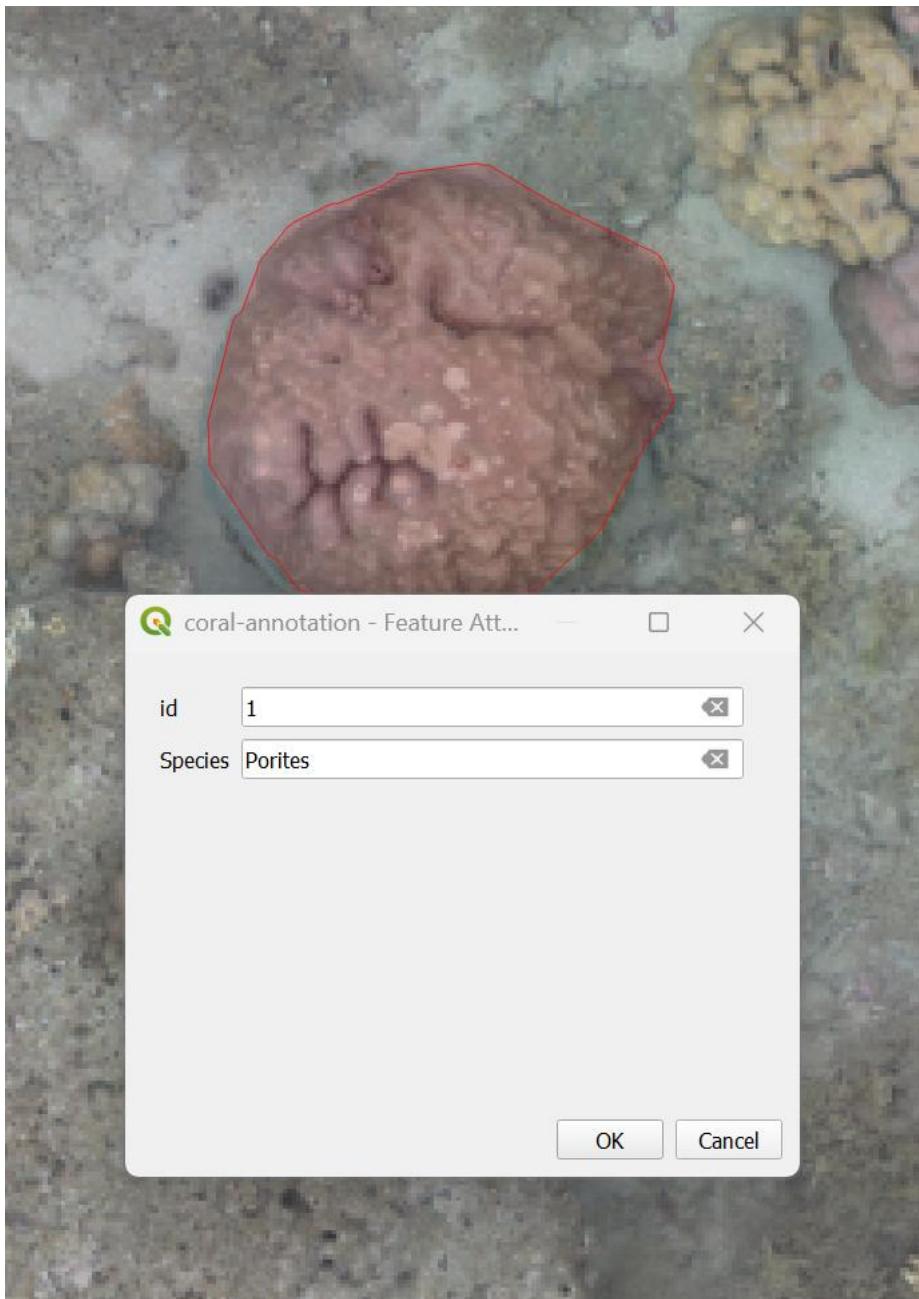
Name:	abc Text (string)		
Type:	Text		
Length:	80	Precision:	
<input type="button" value="Add to Fields List"/>			

**Fields List**

Name	Type	Length	Precision
id	Integer	10	
Species	String	80	

This screenshot shows the 'New Shapefile Layer' dialog box. It allows the user to define the file name (coral-annotation.shp), encoding (UTF-8), geometry type (Polygon), and additional dimensions (None). The 'New Field' section is expanded, showing a field named 'abc' of type 'Text (string)' with a length of 80. The 'Fields List' table shows two fields: 'id' (Integer, 10 digits) and 'Species' (String, 80 characters). At the bottom, there are buttons for OK, Cancel, and Help.





Layer Styling

coral-annotation

Single Symbol

Fill Simple Line

Color: Red

Opacity: 100.0%

Unit: Millimeters

Favorites

hashed black / hashed black \

hashed black X outline blue

outline red Colorful

Live update Apply

Coordinate: 21.95620253°, 120.75529772° Scale Magnifier 100% Rotation 0.0° Render EPSG:4326

Layer Rendering

Q \*Untitled Project — QGIS

Project Edit View Layer Settings Plugins Vector Raster Database Web

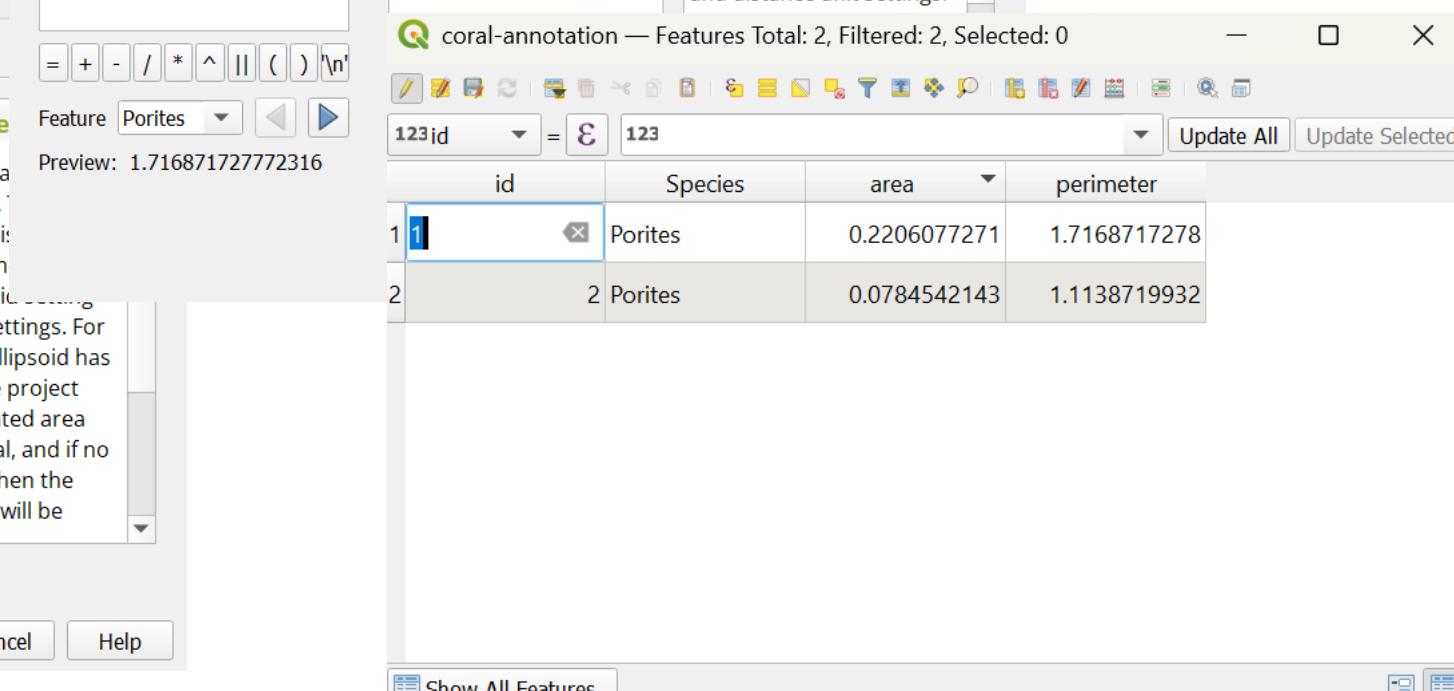
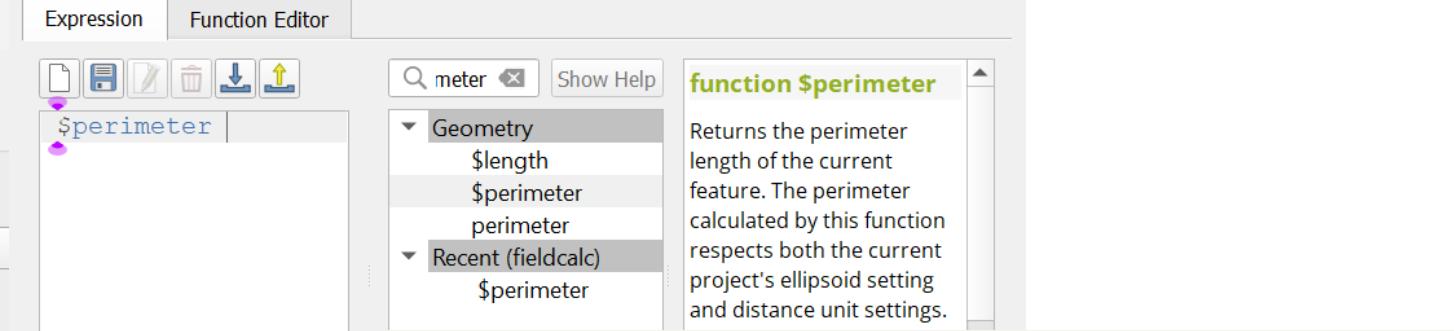
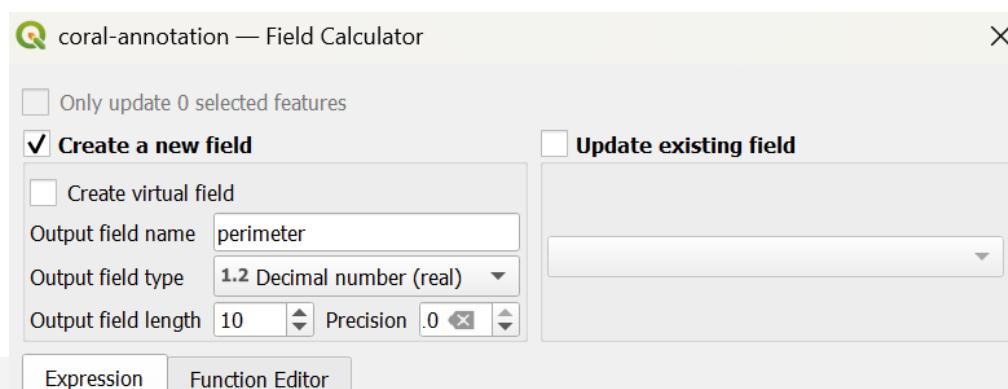
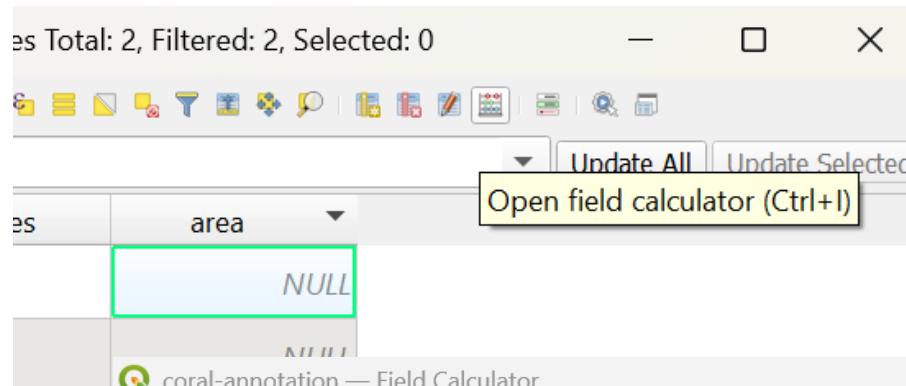
The screenshot shows the QGIS interface with a project titled "Untitled Project". The "Layers" panel on the left displays three layers: "coral-annotation" (selected), "IL\_P4\_2205\_5mm", and "IL\_P4\_2205\_DEM\_5mm". The "coral-annotation" layer has two features, both labeled "Porites". The "Properties" menu is open for the first feature, with "Open Attribute Table" highlighted. The attribute table shows the following data:

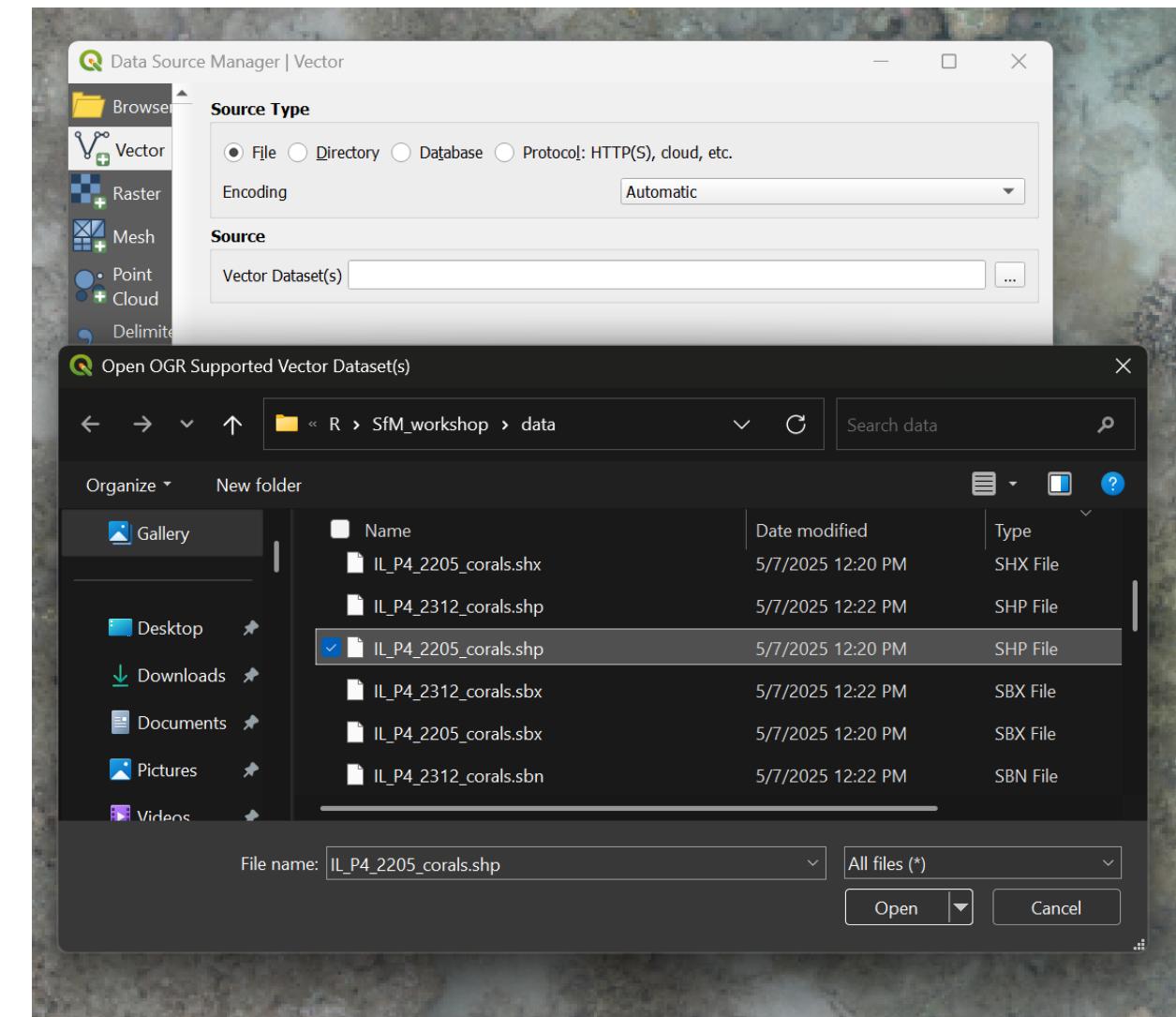
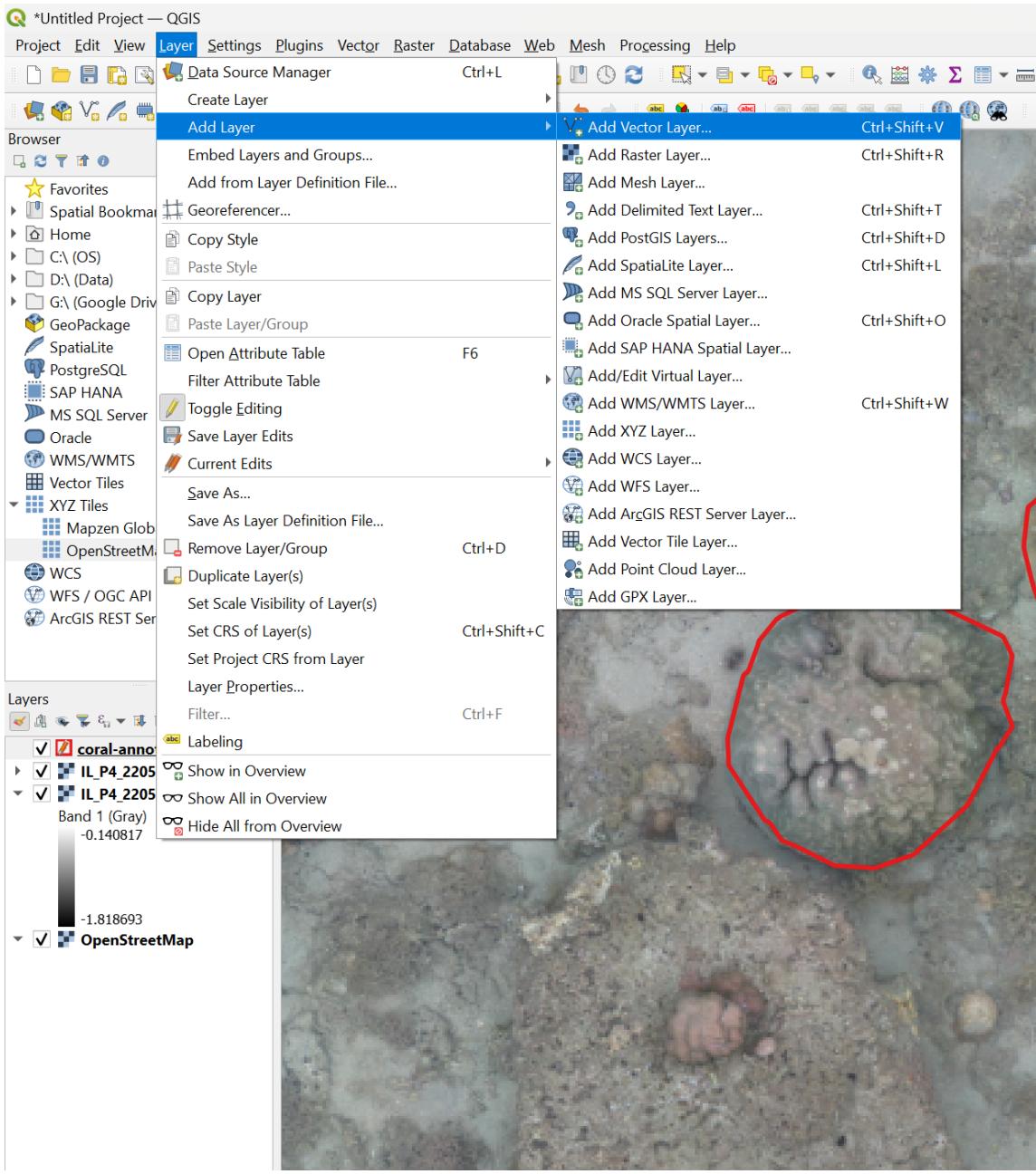
	id	Species
1	1	Porites
2	2	Porites

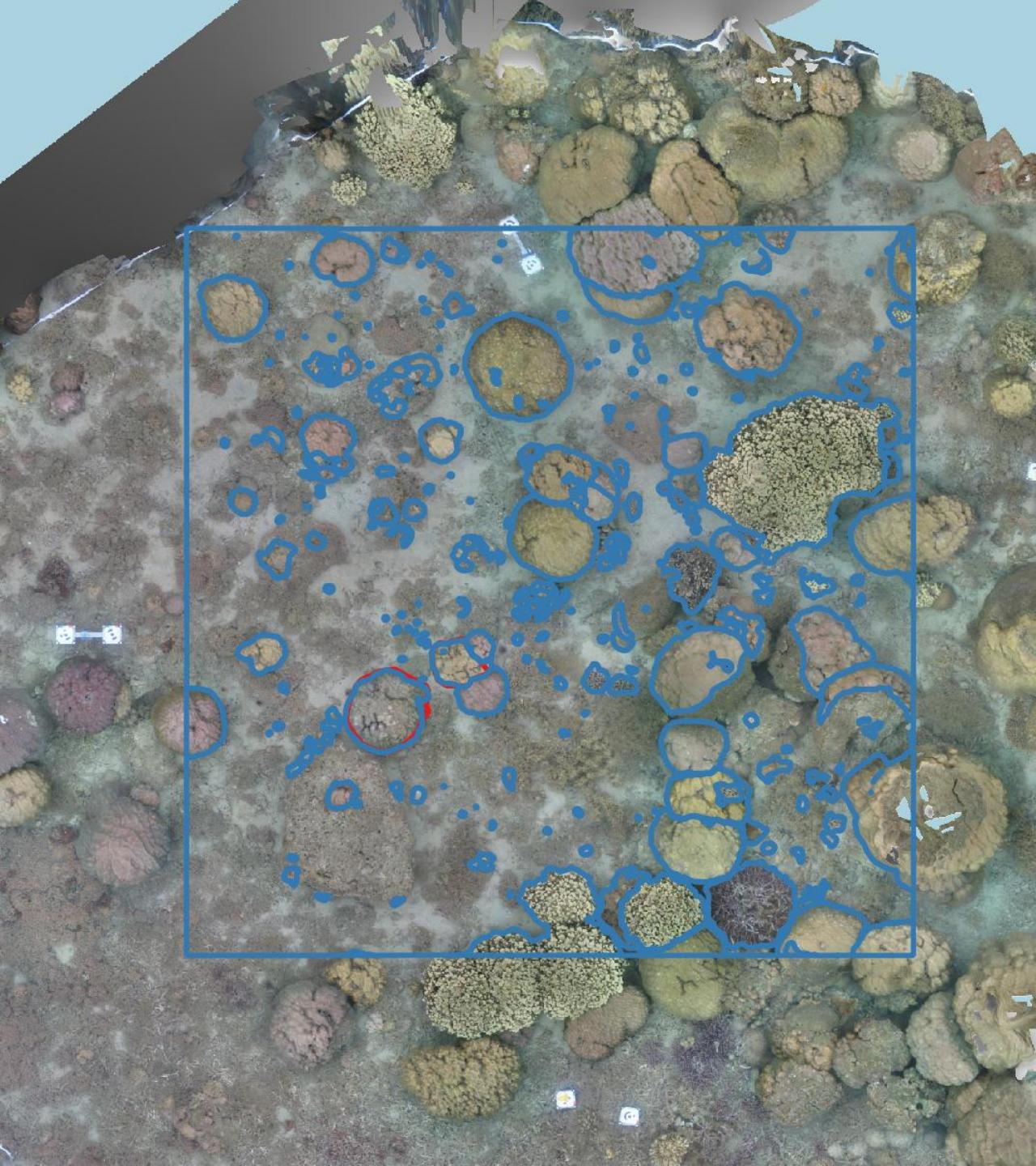
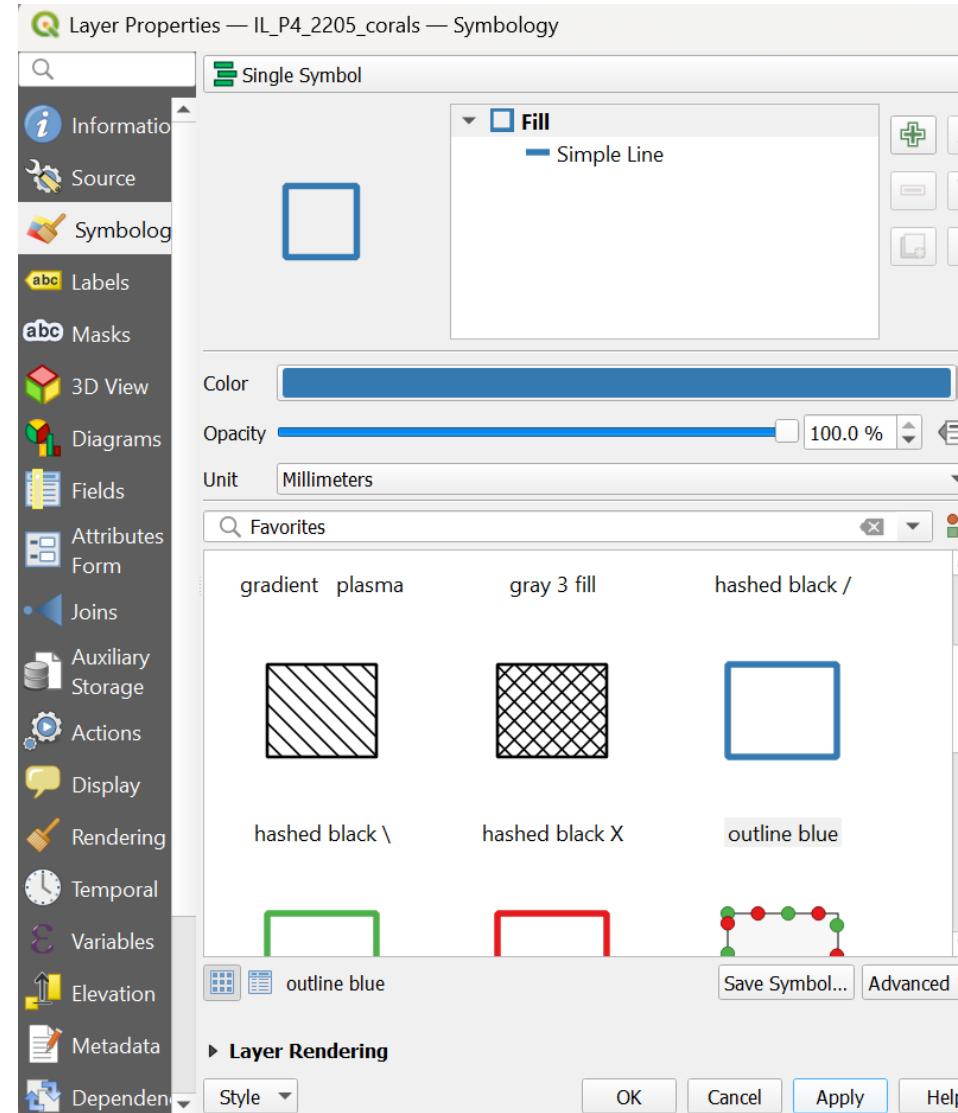
A second window titled "coral-annotation — Features Total: 2, Filtered: 2, Selected: 0" is open, showing the same attribute table. A context menu is open over the second feature, with "Add Field" selected. The "Add Field" dialog box is displayed, with the following settings:

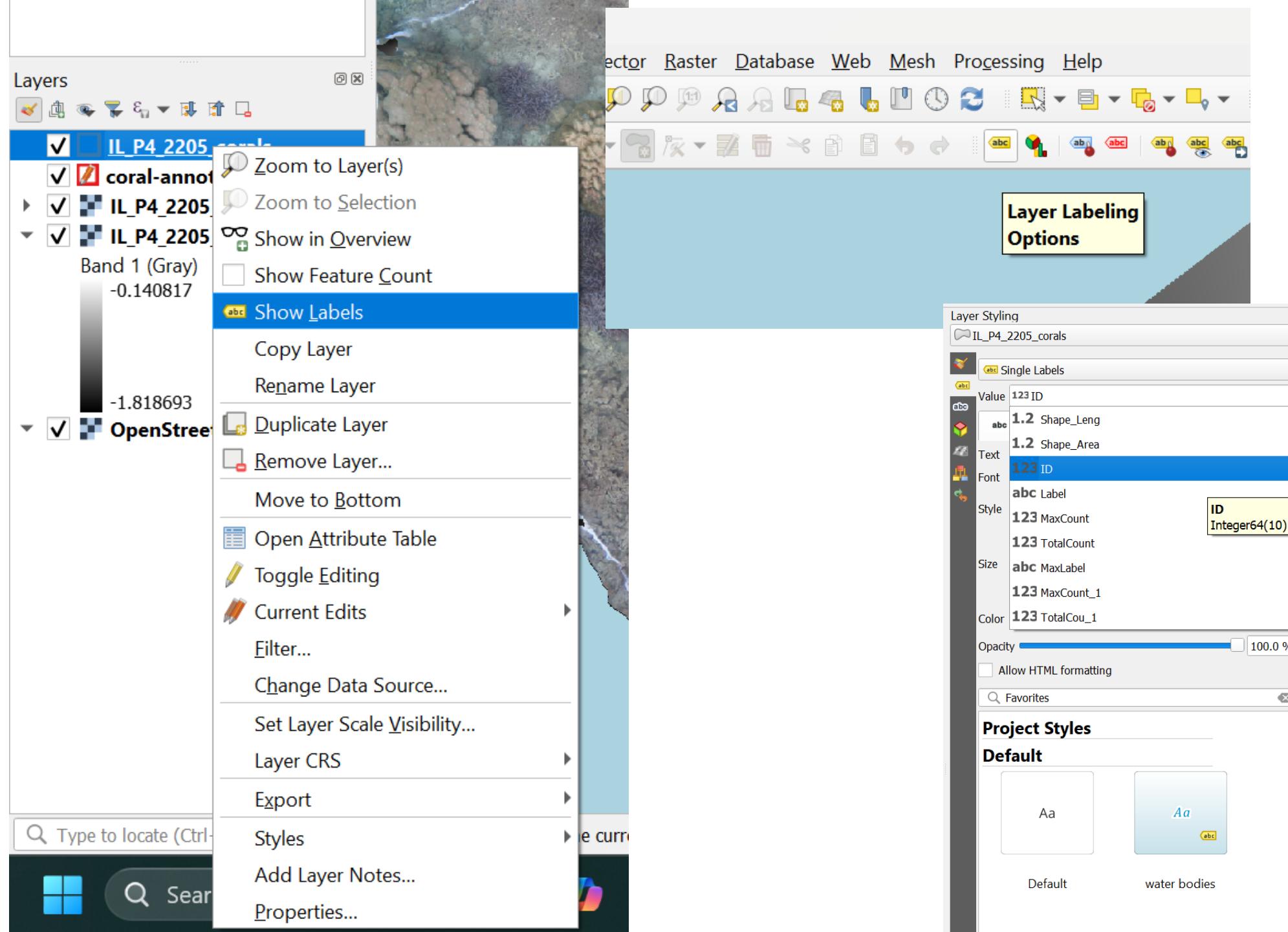
- Name: area
- Comment:
- Type: 1.2 Decimal number (real)
- Provider type: double
- Length: 10
- Precision: 10

Buttons for "OK" and "Cancel" are at the bottom right of the dialog.









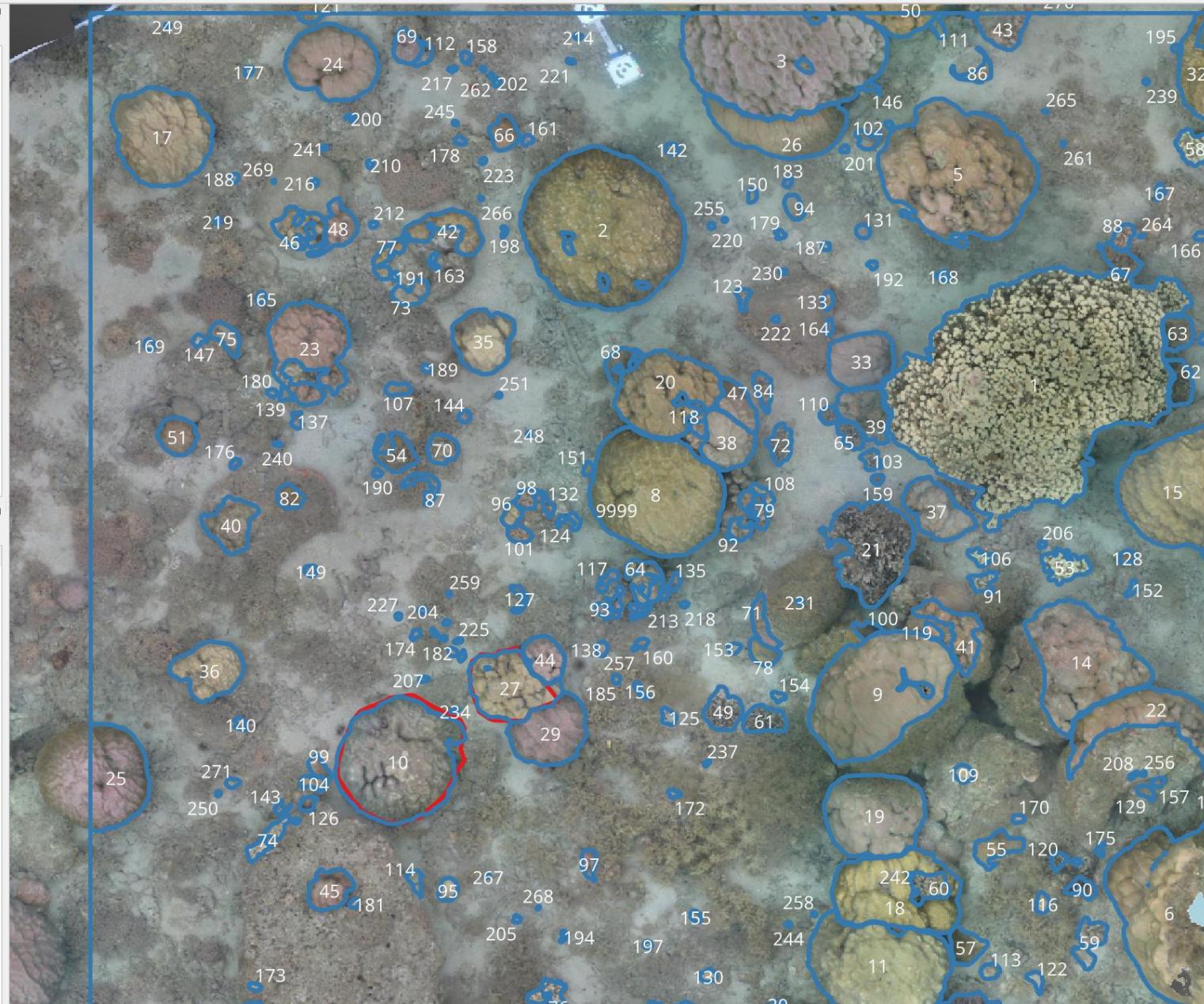


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## Layers

- IL\_P4\_2205\_corals
- coral-annotation
- IL\_P4\_2205\_5mm
- IL\_P4\_2205\_DEM\_5mm
  - Band 1 (Gray)  
-0.140817
- 1.818693
- OpenStreetMap



## Layer Styling

IL\_P4\_2205\_corals

Single Labels

Value 123 ID



## Text

Font: Open Sans

Style: Regular

**U** **S**

Size: 12.0000

Points

Color

Opacity: 100.0 %

 Allow HTML formatting

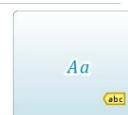
Favorites

## Project Styles

## Default



Default



water bodies

Save Settings...

 Live update

Apply

[https://www.youtube.com/watch?v=GSKmK7qERUw&ab\\_channel=HansvanderKwast](https://www.youtube.com/watch?v=GSKmK7qERUw&ab_channel=HansvanderKwast)

