QGIS AND DATA

Training on the Pacific Islands Protected Area Portal (PIPAP) and Geographic Information Systems (GIS) for improved protected area planning and management in the Republic of the Marshall Islands

Bradley Eichelberger

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SPREP
Secretariat of the Pacific Regional Environment Programme

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This package/collection of training materials constitute an introductory, basic-level training to open source GIS software (QGIS) targeting technical-level government officers. The primary goal of the material is to provide participants with the tools to visualise, map, and collect spatial data for more effective planning and management of protected areas.

The materials include a series of presentations, video lectures and step-by-step instructions which were utilised in recent in-country technical trainings successfully carried out for two Pacific island countries, Samoa and Vanuatu and are planned to be used for further country trainings in the Pacific region.

The training materials were produced by the Secretariat of the Pacific Regional Environment Programme (SPREP) through assistance from the EU-ACP Biodiversity and Protected Areas Management (BIOPAMA) Programme (www.biopama.org). The contents of these materials are the sole responsibility of SPREP and can in no way be taken to reflect the views of the donors.

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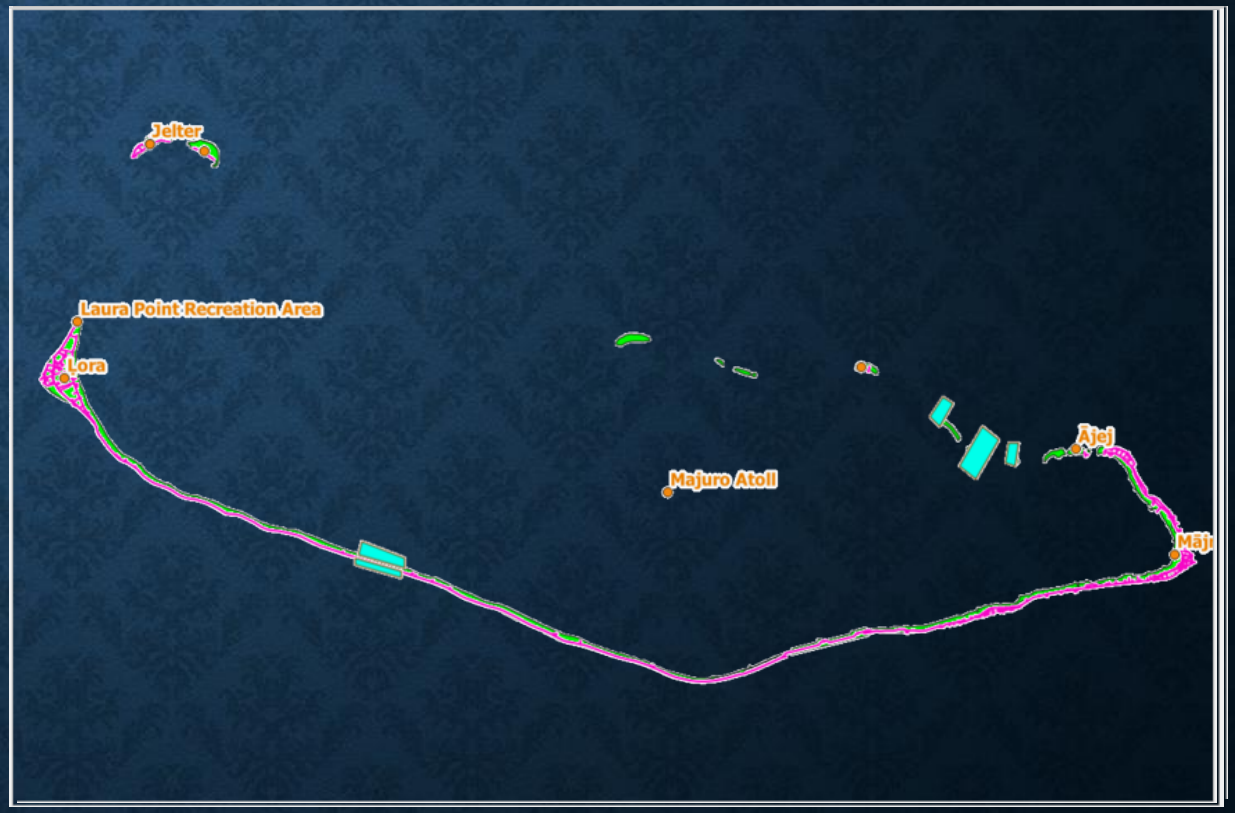
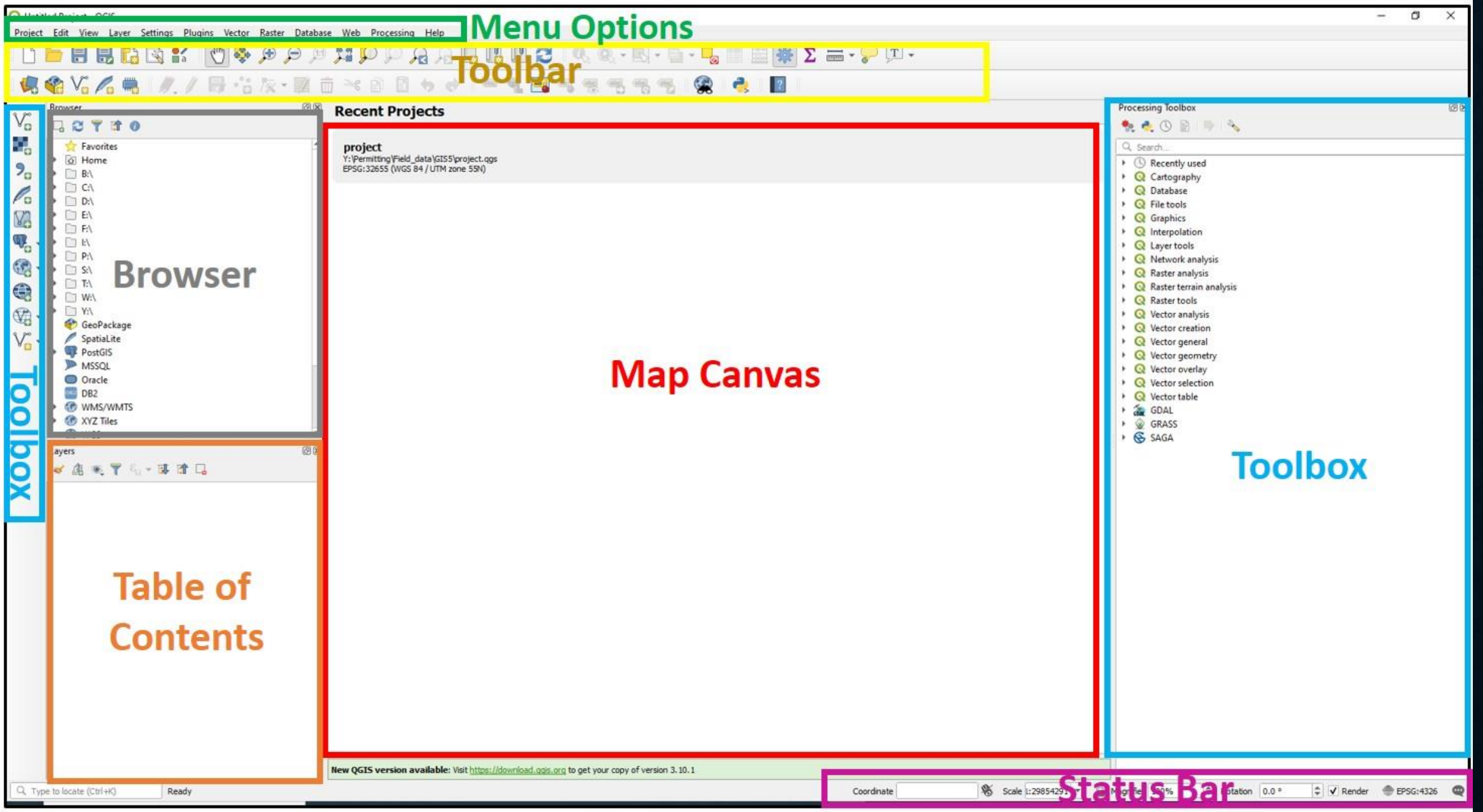
VECTOR DATA

- MHL_2020_Majuroboundary
  - Land mass of Majuro Atoll, unknown data source
- MHL_2020_roads_OSM
  - Roads from Open Street Map, all of RMI
- MHL_place_names
  - Interesting locations of RMI, Open Street Map
- MHL_WDPA_points/MHL_WDPA_polygons
  - Protected areas from the World Database of Protected Areas



RASTER DATA

- MHL_2020_MajuroArno_Sentinel2.tif
  - Sentinel-2 satellite imagery
  - 10 meter resolution
  - Captured: 6/25/2020 and 7/17/2020
  - Coverage: Majuro and Arno Atolls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New QGIS version available: Visit https://download.qgis.org to get your copy of version 3.10.1
Type to locate (Ctrl+K)
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Render
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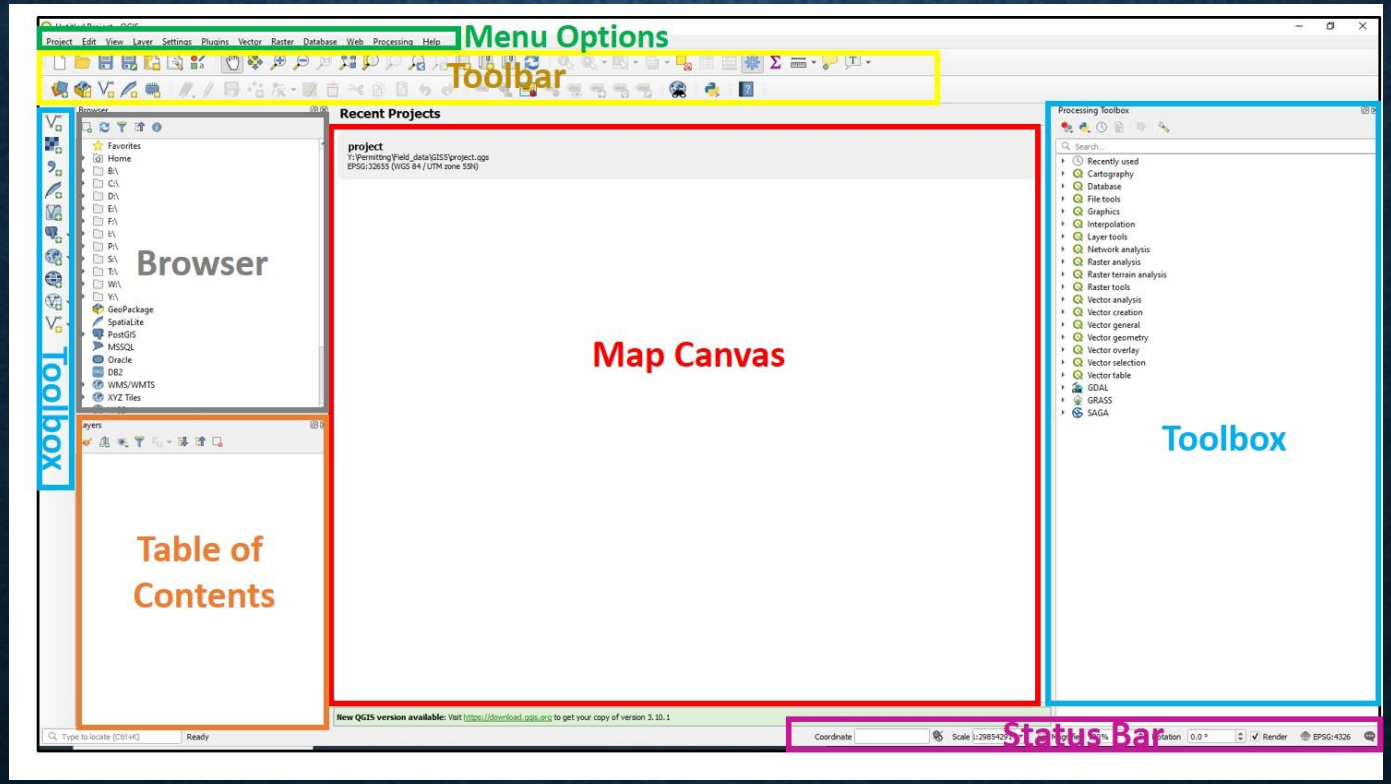
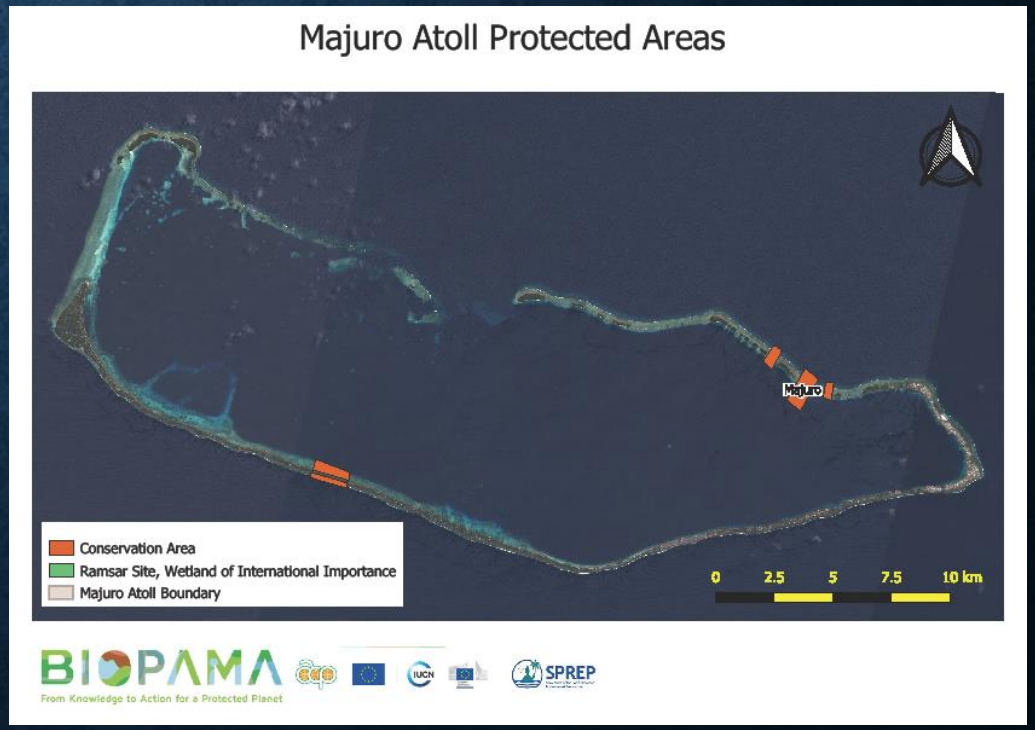
Status Bar

LIVE DEMONSTRATION



CREATING A MAP EXERCISE

- Add appropriate GIS data and adjust the symbology and labels
- Create a New Print Composer
- Draw the Map Component on the new print layout to display the GIS data
- Add the 4 Key Elements to Making a Good Map
  - 1. Title: What are we looking at? What is the theme?
  - 2. Scalebar: What does one unit of the map represent in the real world?
  - 3. Legend: What do the symbols mean?
  - 4. North Arrow: Which direction is the map oriented?