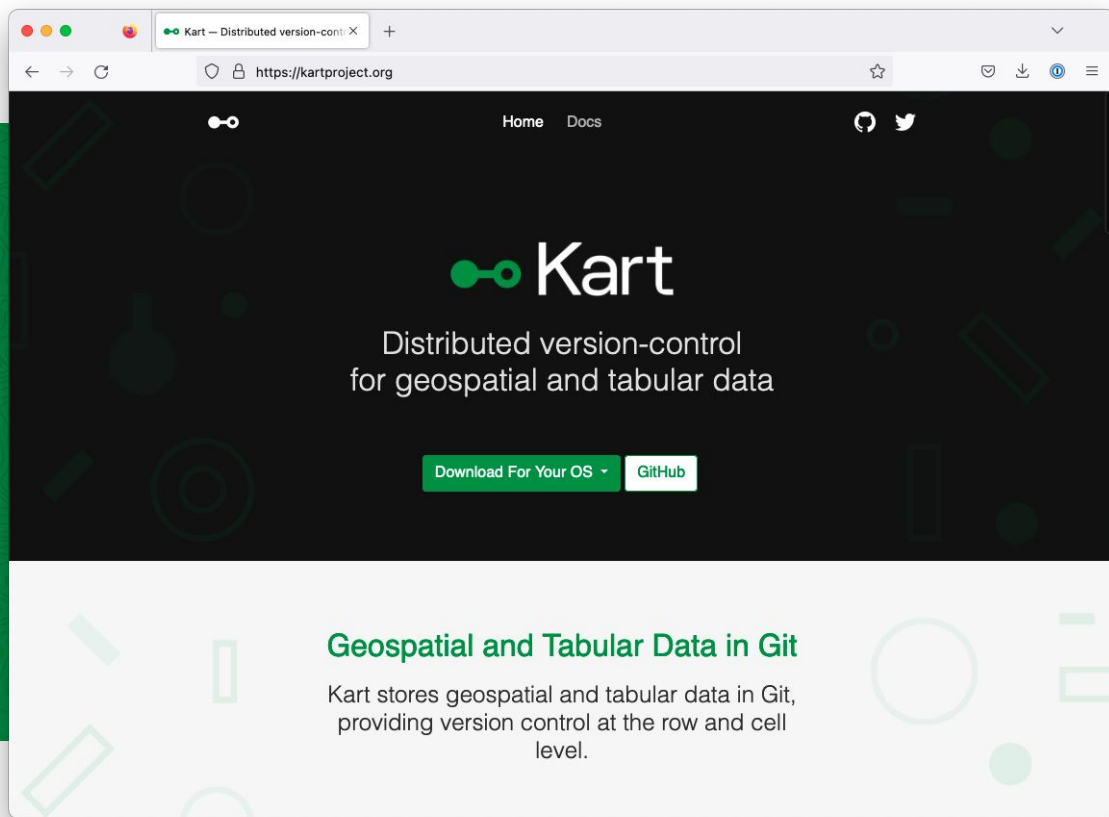




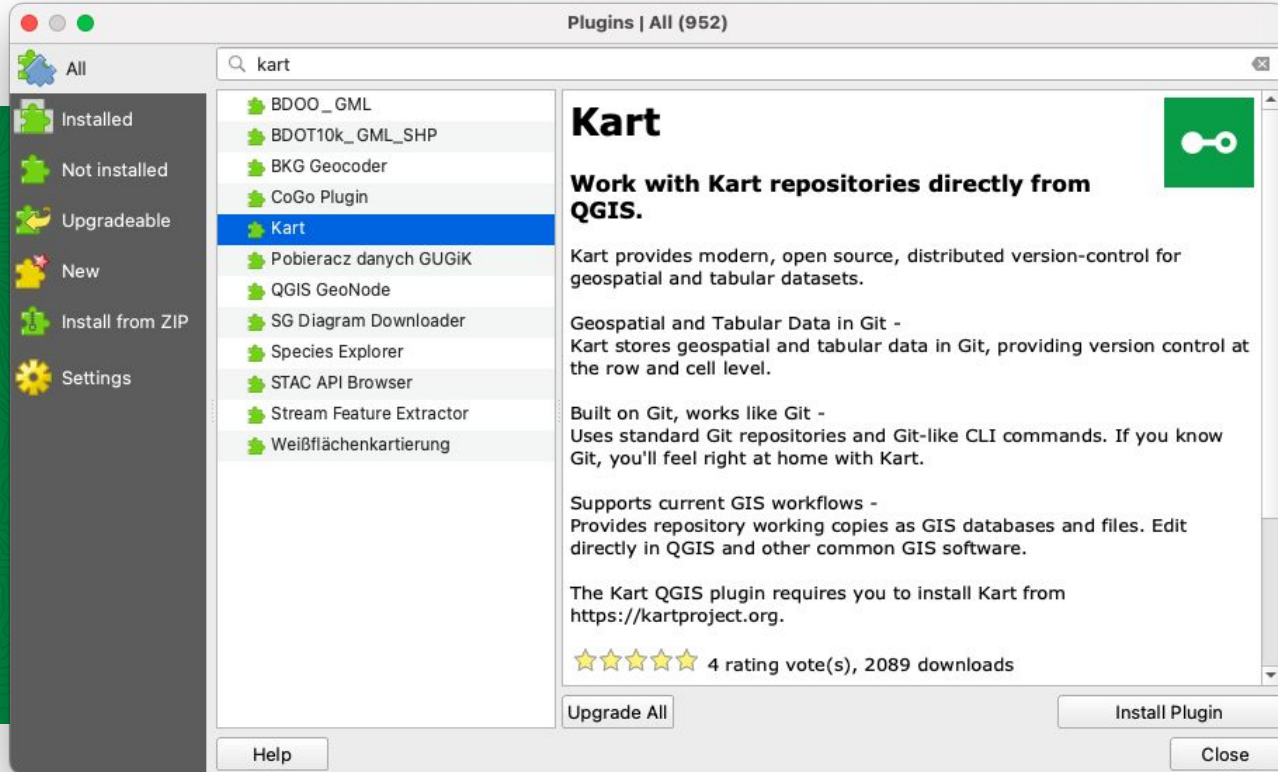
QGIS Data Versioning with Kart

Hamish Campbell
Product Manager

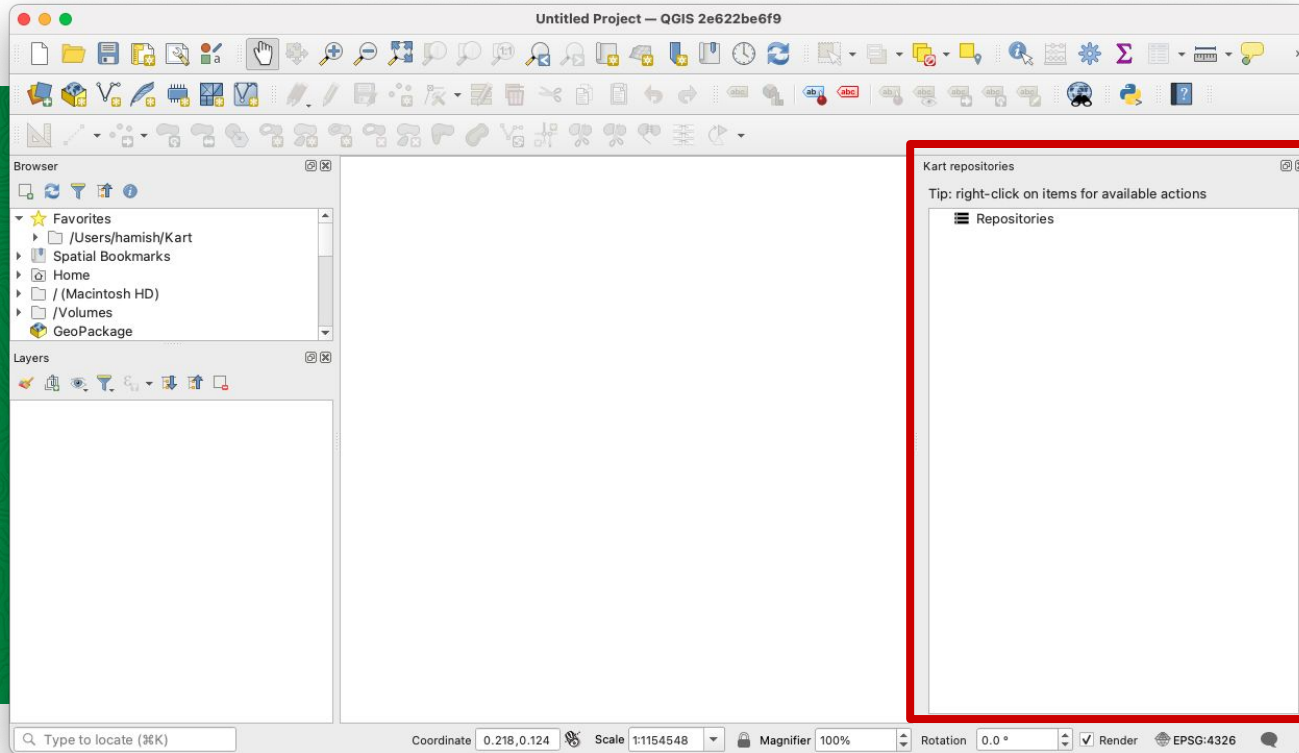
Download Kart – kartproject.org



Install Plugin

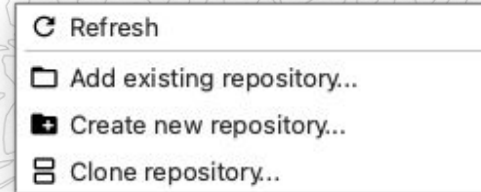


Kart Repositories Panel

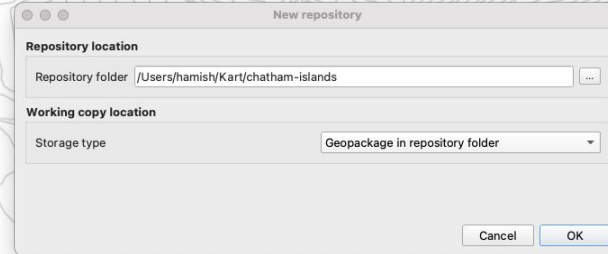


Creating a New Repository

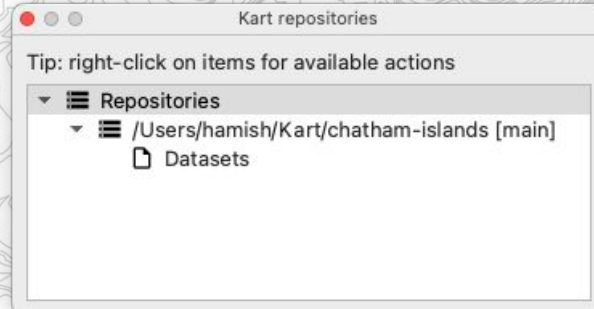
Create a new repository



Choose location

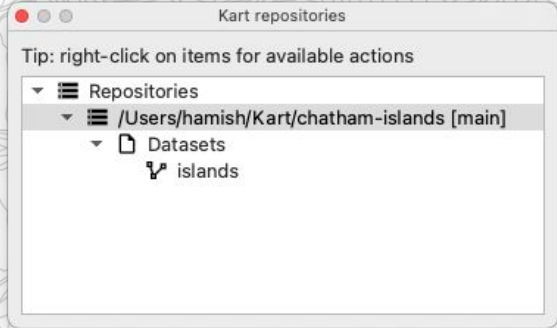


Added to panel

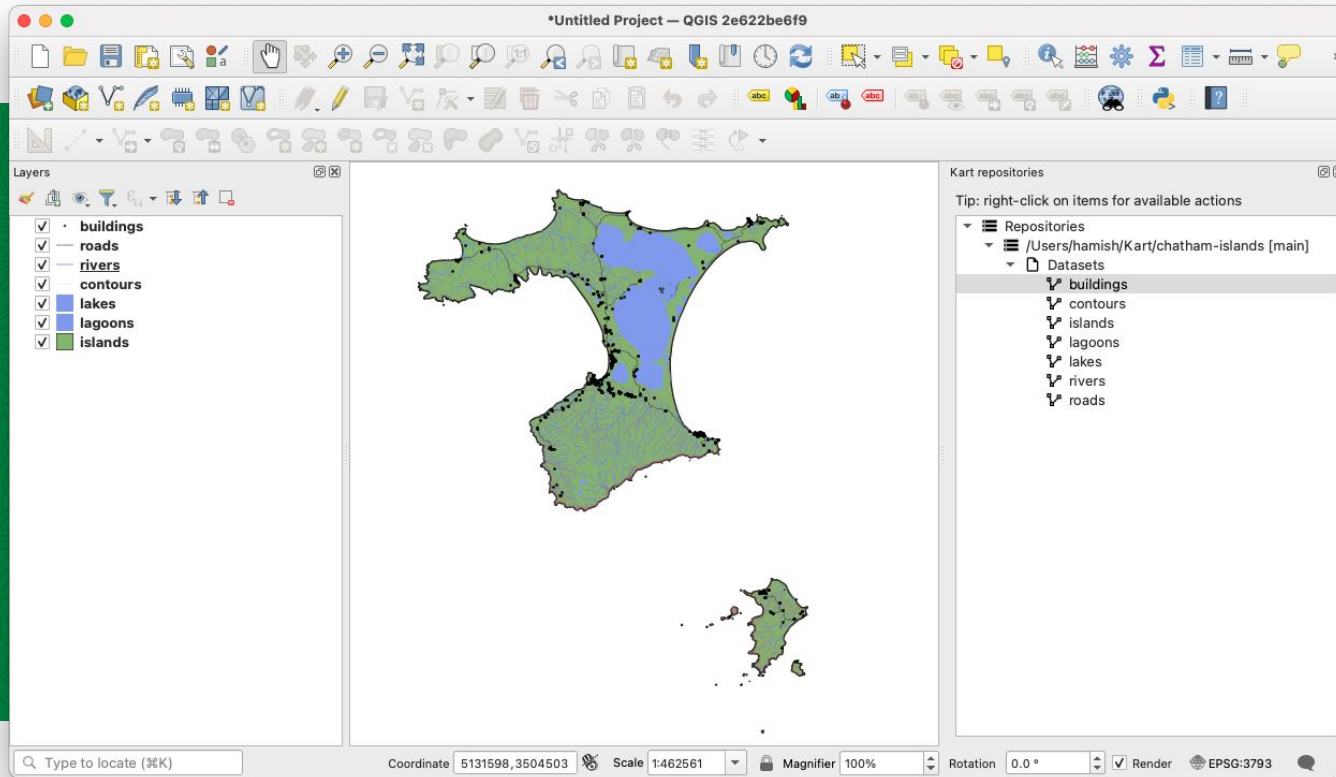


Import a Dataset

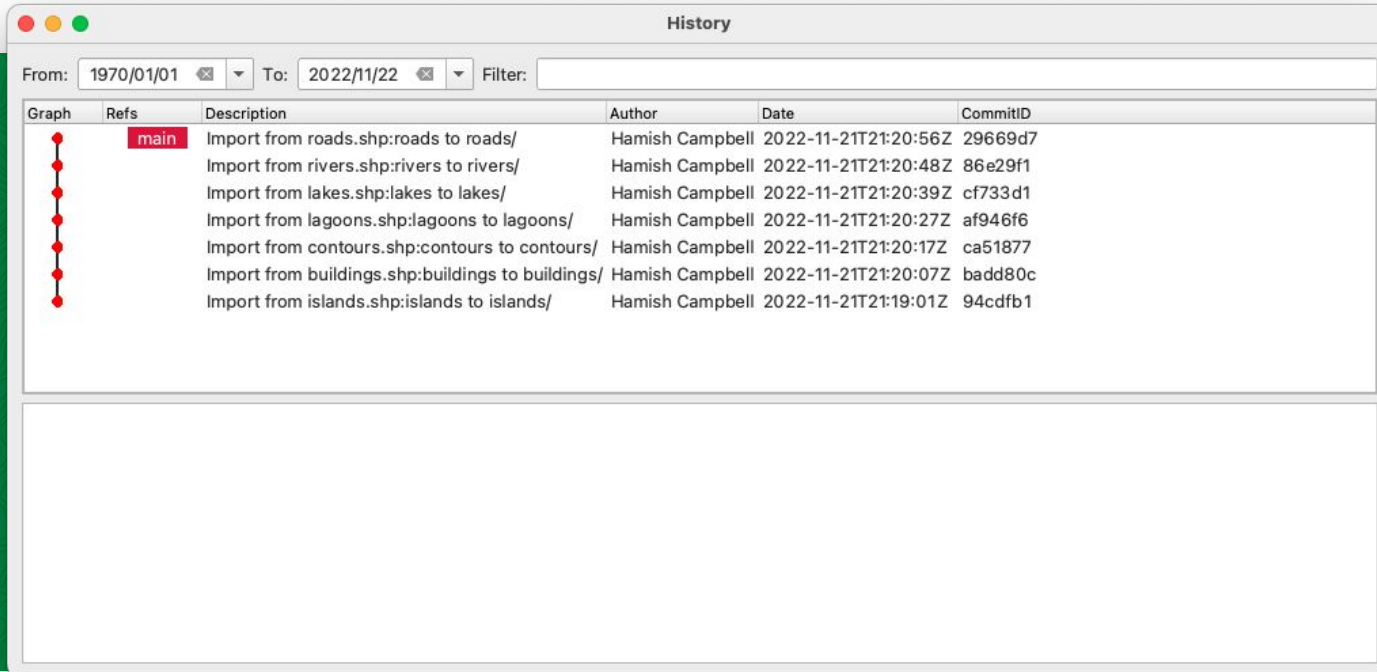
- Show log...
- Show working copy changes...
- Discard working copy changes
- Commit working copy changes...
- Switch branch...
- Merge into current branch...
- Pull...
- Push...
- Import dataset from file...**
- Import dataset from database...
- Apply patch...
- Refresh
- Properties...
- Remove this repository










Add to Your Map



Viewing the Log



The screenshot shows a 'History' window with a search interface and a table of commit logs. The search interface includes 'From' and 'To' date pickers and a 'Filter' text box. The table lists six commits, all by Hamish Campbell, with descriptions of importing data from various shapefiles.

Graph	Refs	Description	Author	Date	CommitID
	main	Import from roads.shp:roads to roads/	Hamish Campbell	2022-11-21T21:20:56Z	29669d7
		Import from rivers.shp:rivers to rivers/	Hamish Campbell	2022-11-21T21:20:48Z	86e29f1
		Import from lakes.shp:lakes to lakes/	Hamish Campbell	2022-11-21T21:20:39Z	cf733d1
		Import from lagoons.shp:lagoons to lagoons/	Hamish Campbell	2022-11-21T21:20:27Z	af946f6
		Import from contours.shp:contours to contours/	Hamish Campbell	2022-11-21T21:20:17Z	ca51877
		Import from buildings.shp:buildings to buildings/	Hamish Campbell	2022-11-21T21:20:07Z	badd80c
		Import from islands.shp:islands to islands/	Hamish Campbell	2022-11-21T21:19:01Z	94cdfb1

Create a Branch

Right click on the top row

- Show changes introduced by this commit...
- Save changes as patch...
- Add changes to current QGIS project as vector layer
- Reset current branch to this commit
- Create branch at this commit...
- Create tag at this commit...
- Restore working tree datasets to this version...

New branch created

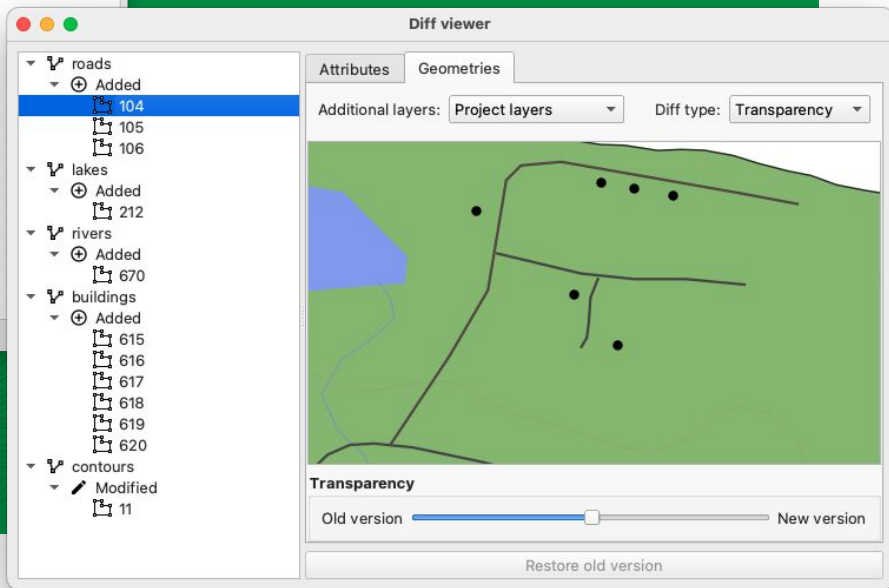
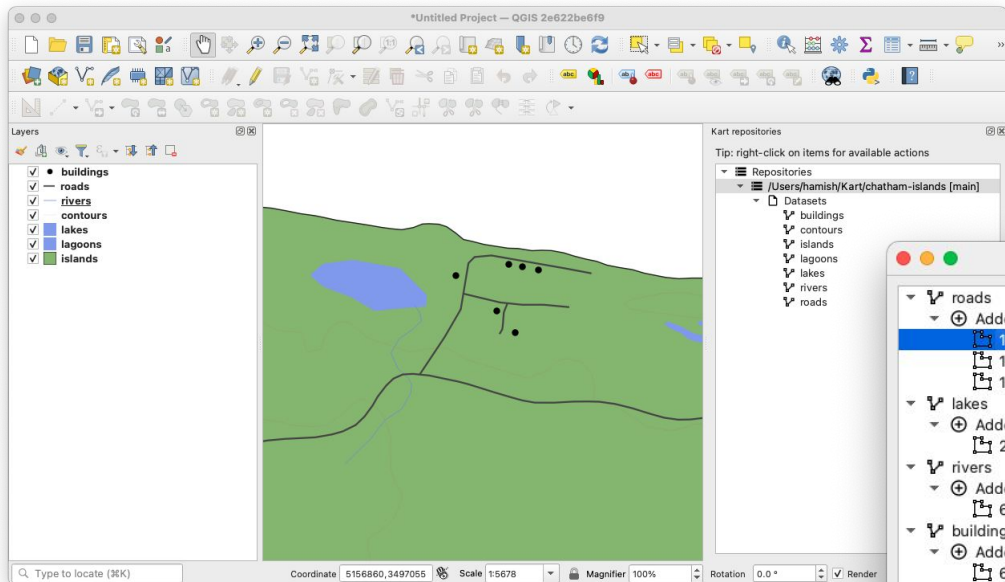
History

From: 1970/01/01 To: 2022/1/22 Filter:

Branch correctly created

Graph	Refs	Description	Author	Date	CommitID
●	main	Import from roads.shp:roads to roads/	Hamish Campbell	2022-11-21T21:20:56Z	29669d7
		Import from rivers.shp:rivers to rivers/	Hamish Campbell	2022-11-21T21:20:48Z	86e29f1
		Import from lakes.shp:lakes to lakes/	Hamish Campbell	2022-11-21T21:20:39Z	cf733d1
		Import from lagoons.shp:lagoons to lagoons/	Hamish Campbell	2022-11-21T21:20:27Z	af946f6
		Import from contours.shp:contours to contours/	Hamish Campbell	2022-11-21T21:20:17Z	ca51877
		Import from buildings.shp:buildings to buildings/	Hamish Campbell	2022-11-21T21:20:07Z	badd80c
		Import from islands.shp:islands to islands/	Hamish Campbell	2022-11-21T21:19:01Z	94cdfb1

View Working Copy Changes



Commit your Change

Commit

Enter commit message:

Added new village roads and buildings with updated terrain changes

Cancel OK

History

From: 1970/01/01 To: 2022/11/22 Filter:

Graph	Refs	Description	Author	Date	CommitID
	new-village	Added new village roads and buildings with updated terrain changes	Hamish Campbell	2022-11-21T21:53:37Z	8a71b17
	main	Import from roads.shp:roads to roads/	Hamish Campbell	2022-11-21T21:20:56Z	29669d7
		Import from rivers.shp:rivers to rivers/	Hamish Campbell	2022-11-21T21:20:48Z	86e29f1
		Import from lakes.shp:lakes to lakes/	Hamish Campbell	2022-11-21T21:20:39Z	cf733d1
		Import from lagoons.shp:lagoons to lagoons/	Hamish Campbell	2022-11-21T21:20:27Z	af946f6
		Import from contours.shp:contours to contours/	Hamish Campbell	2022-11-21T21:20:17Z	ca51877
		Import from buildings.shp:buildings to buildings/	Hamish Campbell	2022-11-21T21:20:07Z	badd80c
		Import from islands.shp:islands to islands/	Hamish Campbell	2022-11-21T21:19:01Z	94cdfb1

Switch Branches

The image shows a QGIS interface with a 'Switch/Checkout' dialog box open. The dialog box has a title bar with standard window controls and the text 'Switch/Checkout'. It contains a 'Switch to' section with a dropdown menu showing 'main'. Below this is an 'Options' section with a checkbox labeled 'Overwrite working copy changes (force)'. At the bottom of the dialog are 'Cancel' and 'OK' buttons.

The background shows the QGIS main window titled '*Untitled Project — QGIS 2e622be6f9'. The interface includes a toolbar at the top, a 'Layers' panel on the left, a map view in the center, and a 'Kart repositories' panel on the right. The 'Layers' panel lists several layers: buildings, roads, rivers, contours, lakes, lagoons, and islands. The 'Kart repositories' panel shows a tree view of repositories, with the current repository being '/Users/hamish/Kart/chatham-islands [main]'. The map view displays a green topographic map with various features like buildings, roads, and rivers. The status bar at the bottom shows the coordinate '5156834,3498080', scale '1:5585', magnifier '100%', rotation '0.0°', and render status 'Render'.

Merge Branch

Merge

From

Branch Tag

new-village

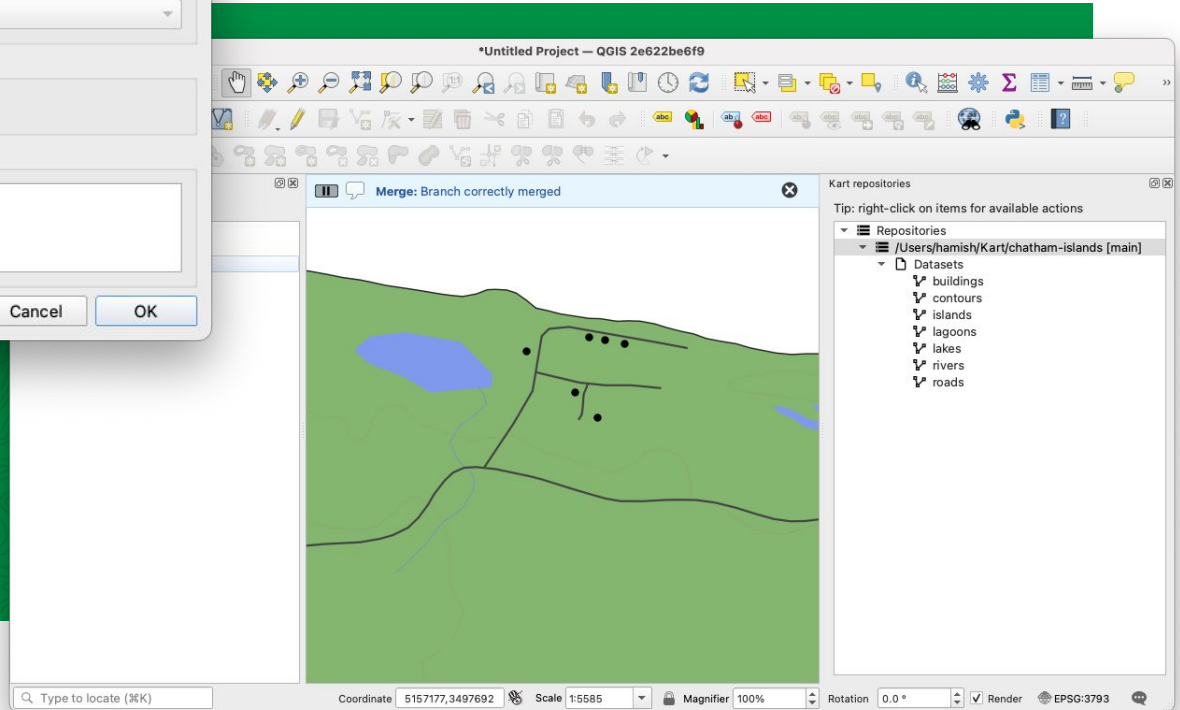
Options

No Fast Forward Fast Forward Only

Merge message

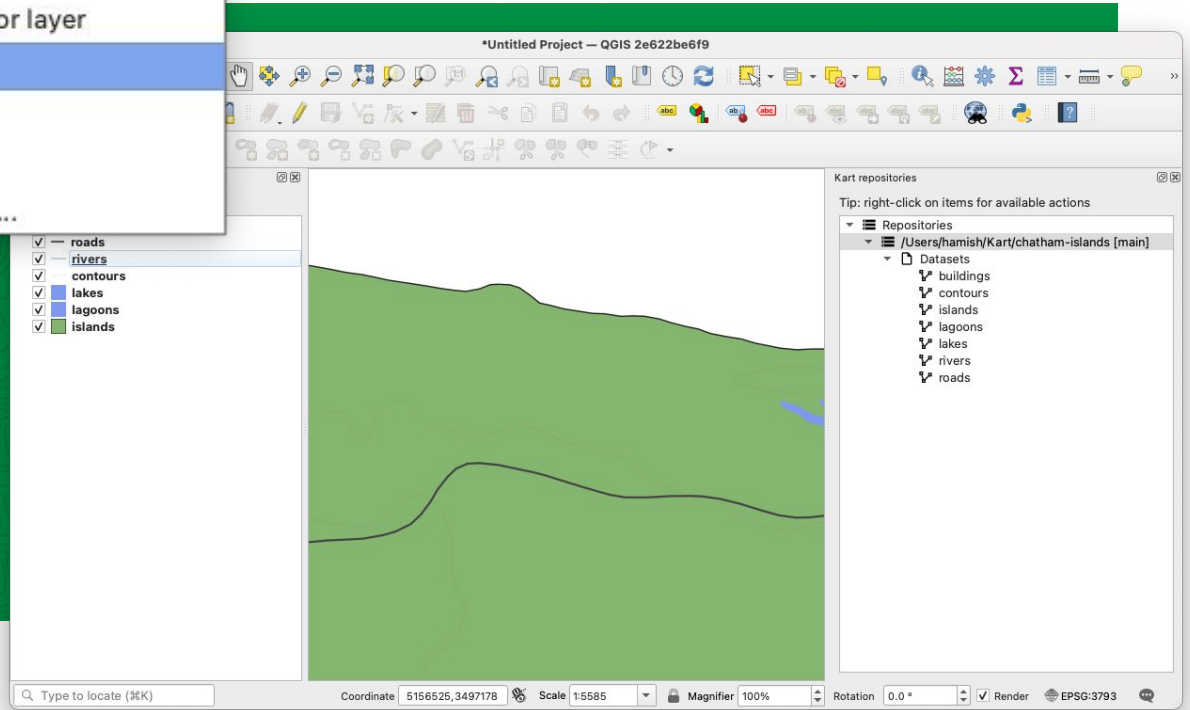
Apply the changes from the new village branch of work

Cancel OK



Bonus: Undo a Change

- Show changes introduced by this commit...
- Save changes as patch...
- Add changes to current QGIS project as vector layer
- Reset current branch to this commit**
- Create branch at this commit...
- Create tag at this commit...
- Restore working tree datasets to this version...





Kart Project - Source

github.com/koordinates/kart/

QGIS Plugin - Source

github.com/koordinates/kart-qgis-plugin/

Kart Project Page

kartproject.org

QGIS Plugin Page

plugins.qgis.org/plugins/kart/

Social

twitter.com/KartForData

Get In Touch

hamish.campbell@koordinates.com

Thanks and happy Kart-ing!