





Layers

Transects, waypoints

Transects, routes

Transects, tracks

Google Physical

Attributes - Transects, routes

- Layer → T1 New – GPX
- Call layer “transects”
- Edit routes – add feature
- Draw a line on your map
- Right click to finish line
- Call this T1

Attributes - Transects, routes

Layer: T1 New – GPX

symbol: NULL

name: NULL

comment: NULL

description: NULL

source: NULL

url: Digitized in QGIS

url name: NULL

OK Cancel



Layers

Transects, waypoints

Grid100m

Transects, routes

Transects, tr...

Google Physical

- How long is our line?
- Use line measuring tool
- Create a reference grid to help estimate line distances
- Vector – Research tools – Vector grid
- Update extents from canvas
- $X = 100$
- Save to file grid100m
- Stupidly assumes layer is wgs84, so change layer CRS to epsg:3857



Create new gps

Create 3 1km transects running east->west at regular intervals along the peninsula using grid as a reference

- Save file – this is ready to upload to your GPS

QGIS 2.2.0-Valmiera - SurveyDesign2

Project Edit View Layer Settings Plugins Vector Raster Database Processing Help

Layers

- Transects, routes
- Transects, waypoints
- Transects, tracks
- Gridlines
- Google Earth
- Shetlands-EU-DEM

Examine elevation profile of your transects

- Plugins – install profile tool
- Select shetlands-eu-dem
- Plugins – profile tool – terrain profile
- Trace line over transect – double-click to finish

Profile Tool

Profile Table Settings

175
170
165

0 100 200 300 400 500 600

Save as PDF

Selection Temporary polyline

Layer	Band
1 Shetlands-EU-DEM	1

Add Layer Remove Layer

Click for polyline and double click to end (right click to cancel then quit)

Coordinate: -98617,8588937 Scale: 1:13,008 Render EPSG:3857

09:04 24/03/2014

- Open GPSTabel
- Input is transects file
- Output is Device Garmin serial gps
- Device name should be COM1-4
- Click Apply to send to GPS
- Routes will be selectable on the GPS unit

