Hands on session of
Coral Reef Mapping

H Shiva Kumar
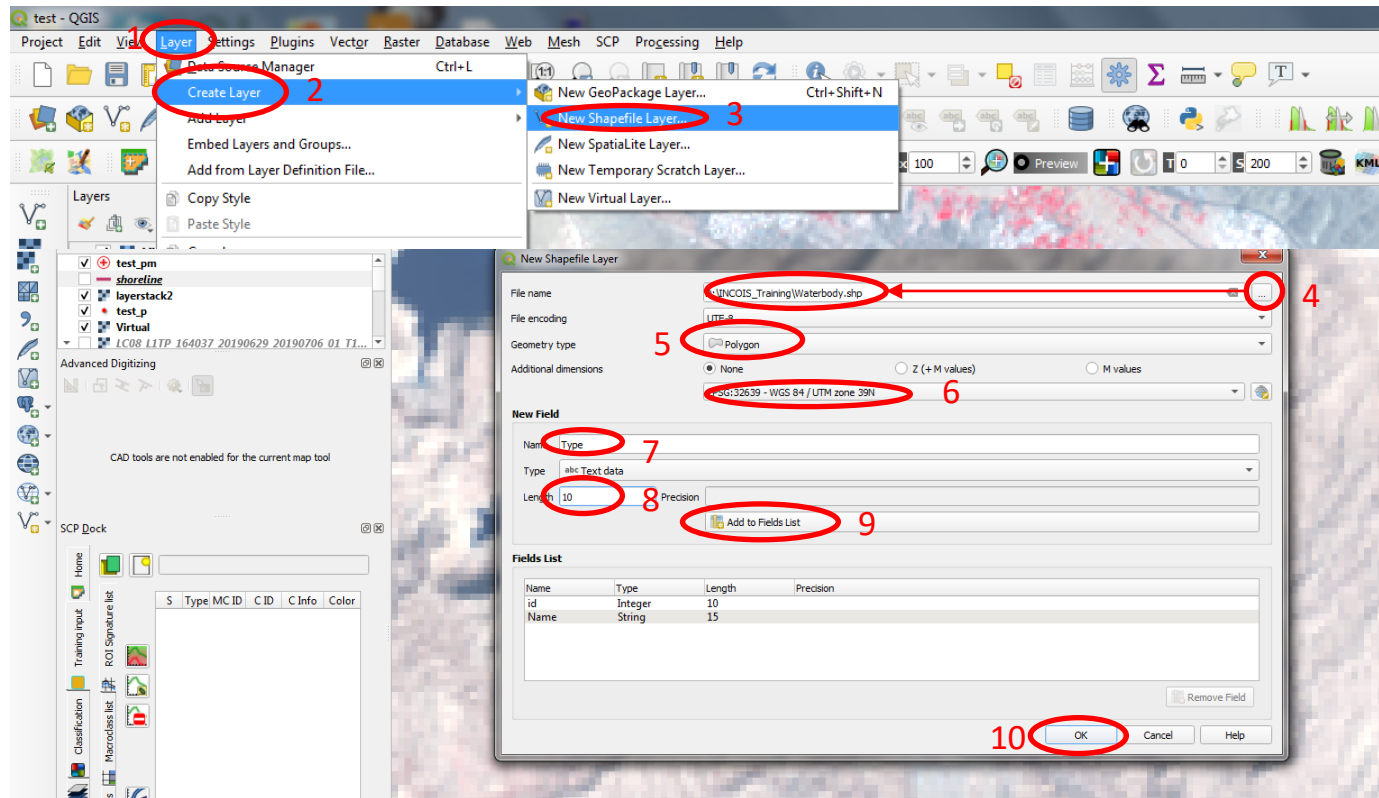
Hs.kumar-p@incois.gov.in

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➢ Go to layer ⟶ Create Layer ⟶ New shapefile Layer

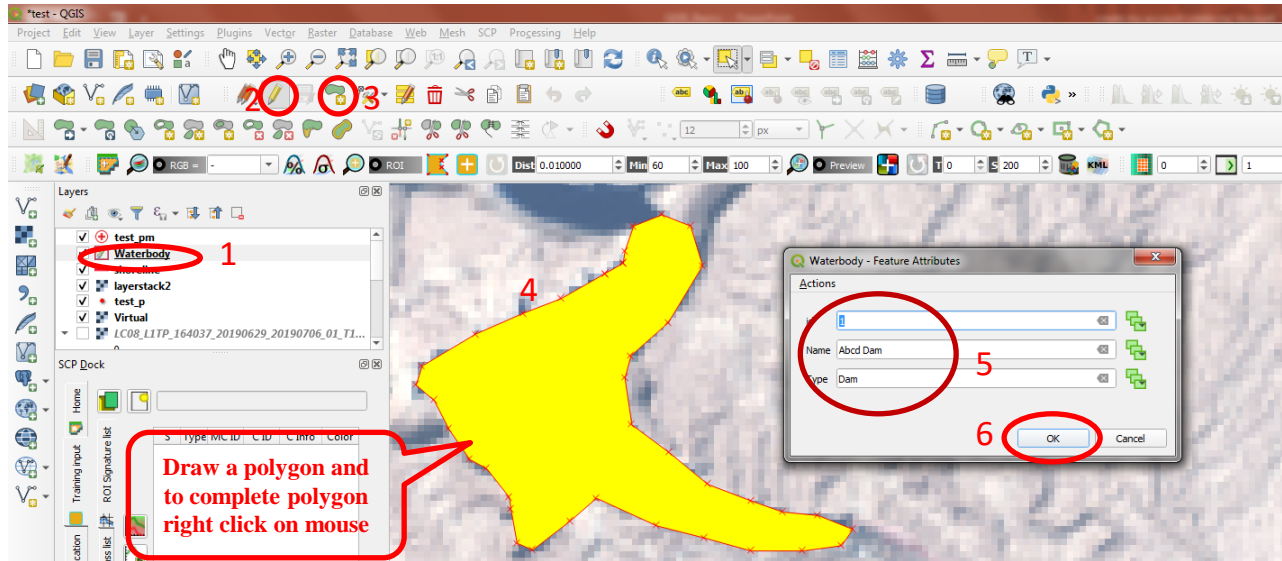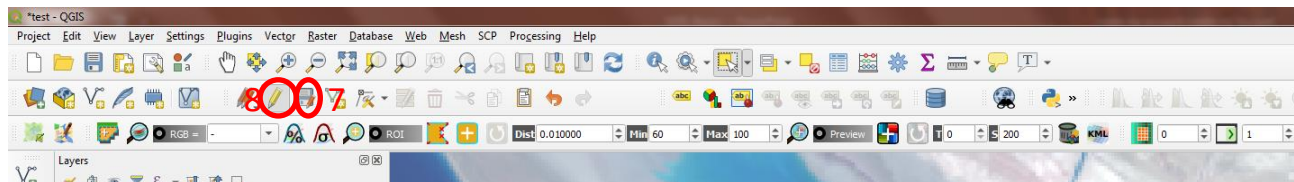
Like this we have create 2 shape files.

➢Select polygon shape file

➢Click on Toggle editing ➡️ add polygon feature ➡️ draw a polygon on image
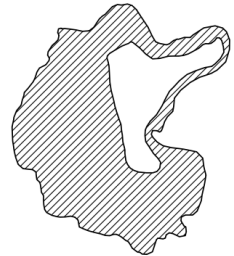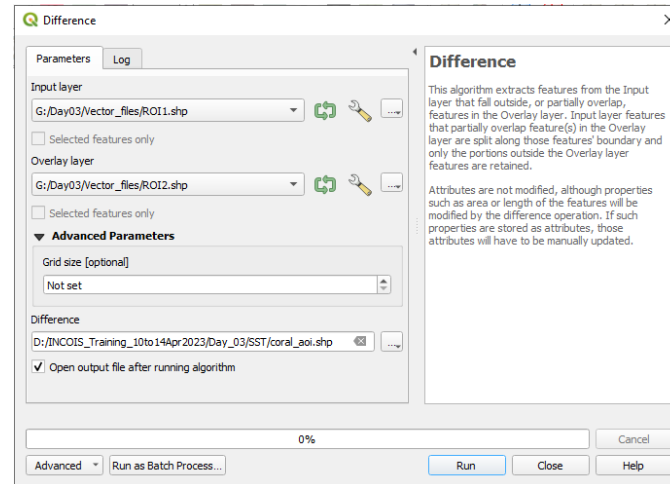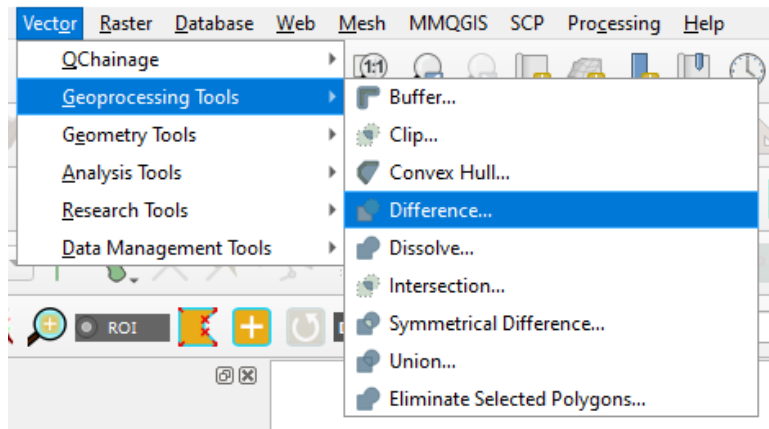

➢ To save edited data click on save layer edits.

➢ To stop editing click on Toggle editing

Data Clipping:

➤ Like last slide, we have to create 2 boundaries in 2 shape files. One shape file have outer boundary and 2nd other have an inner boundary. Subtract these 2 shape files.
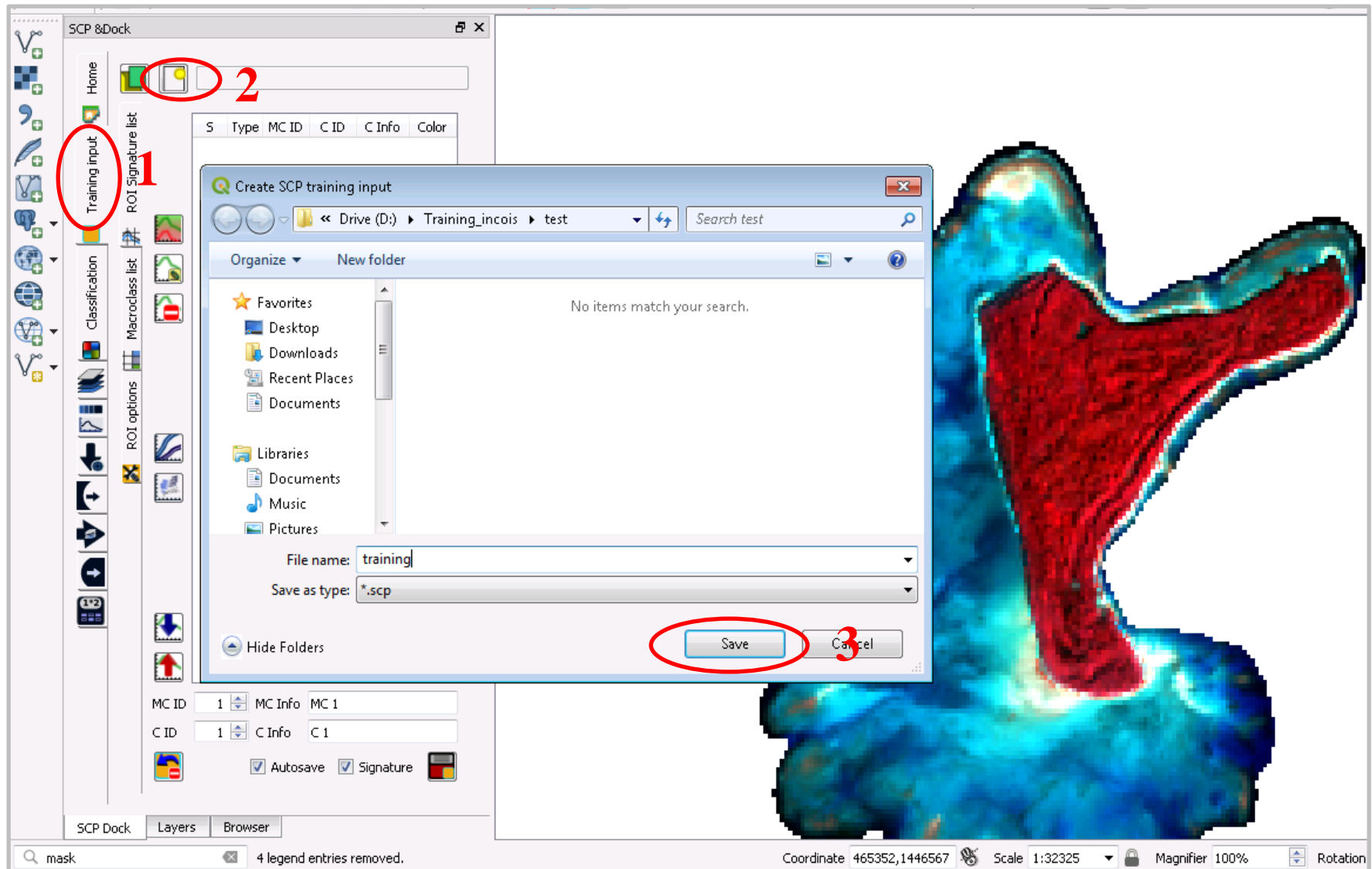

Difference layer

➤Go to SCP →Preprocessing → Clip multiple rasters →give o/p name →
   check use vector for clipping select our difference vector file→ run → select folder.
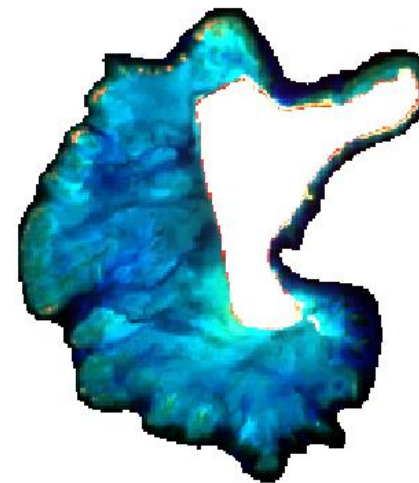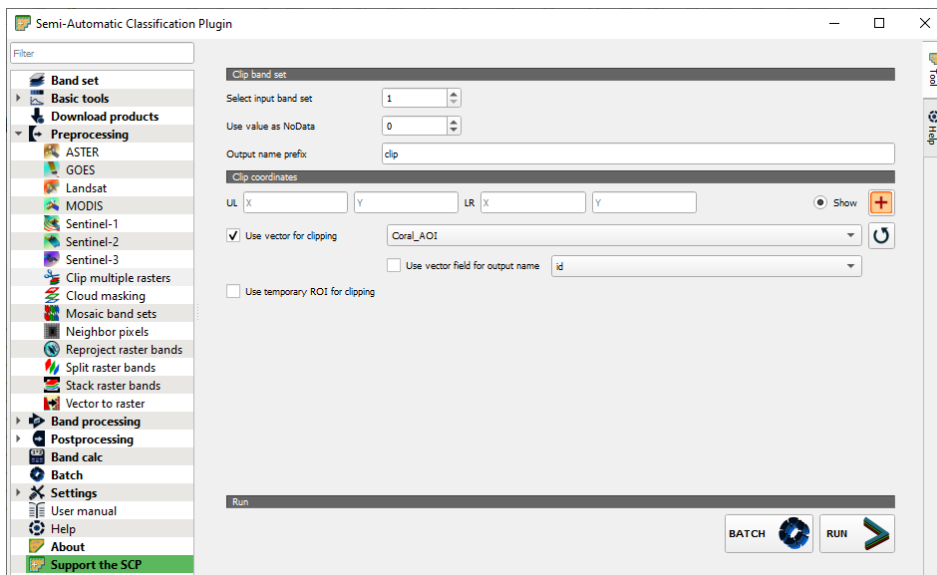
Output Image

Go to SCP Dock ⟶ Training input ⟶ Create SCP training input
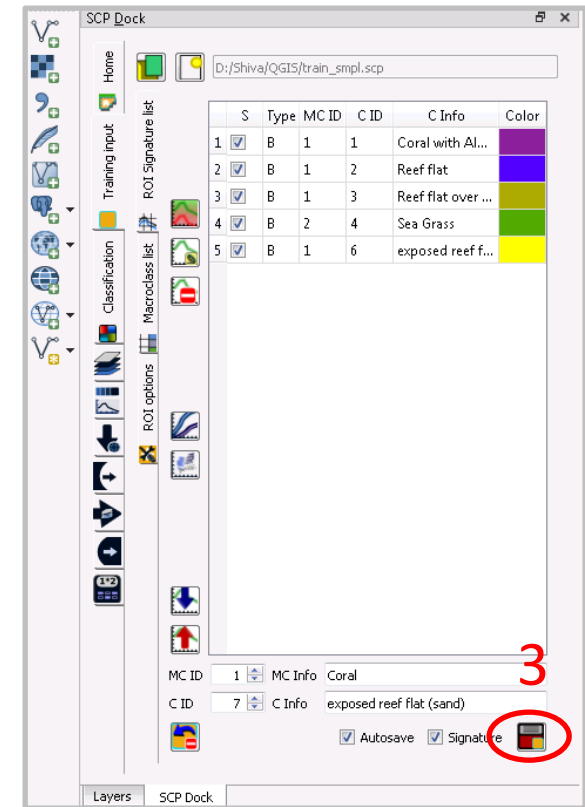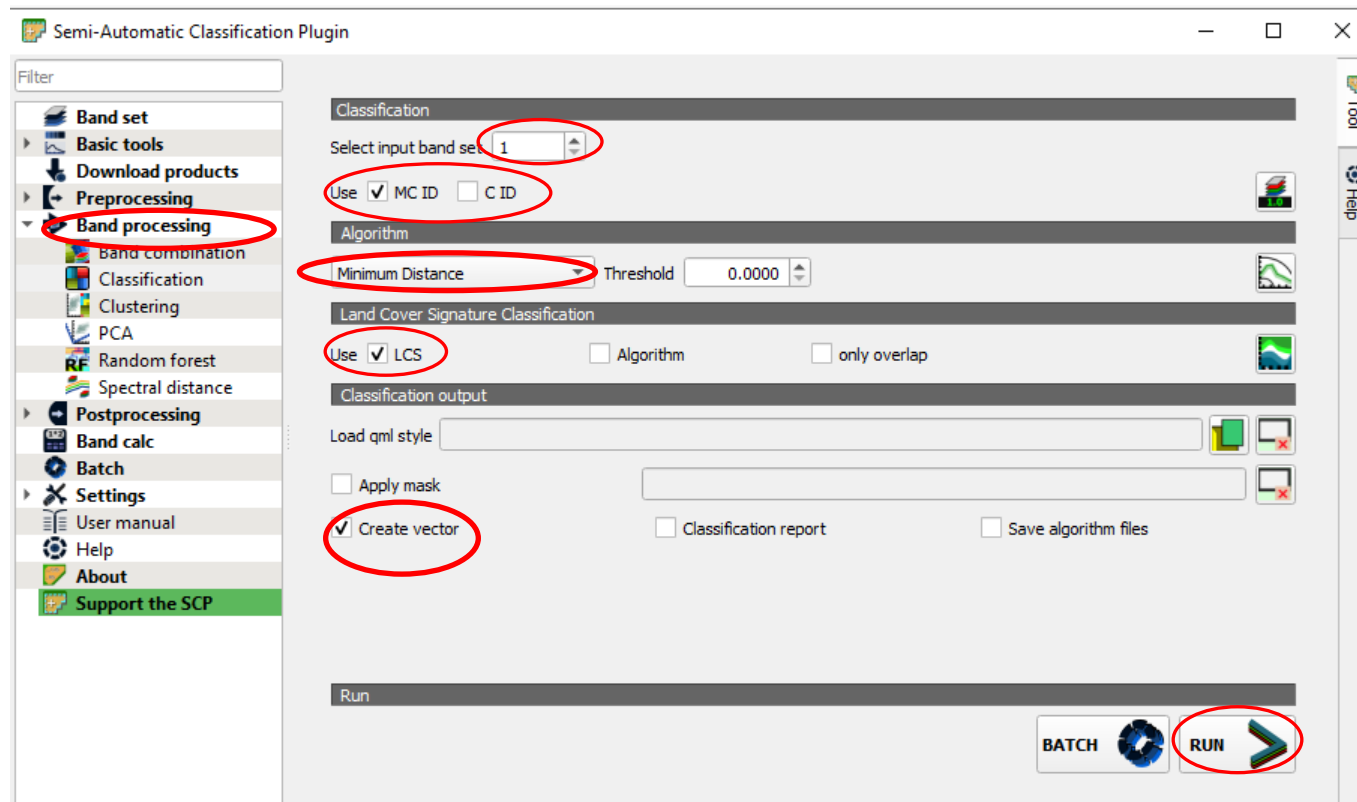
➢Now go to the create ROI polygon and draw a polygon
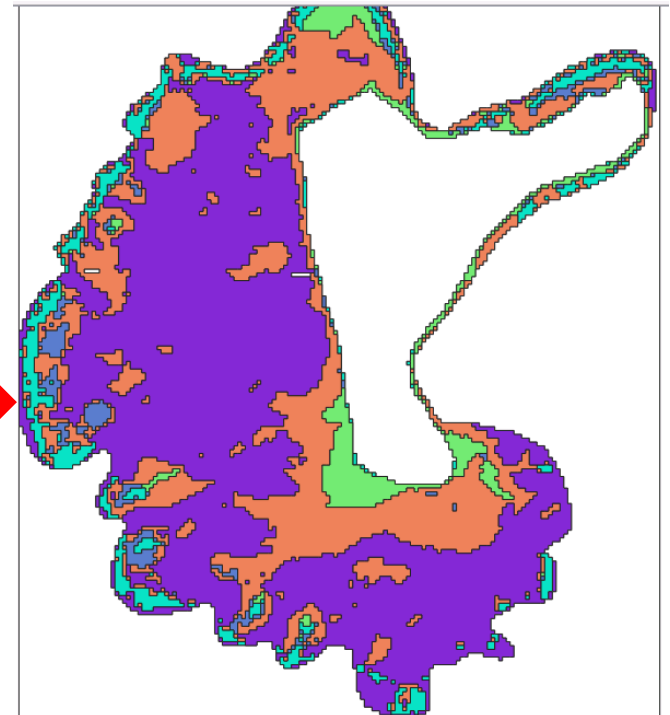

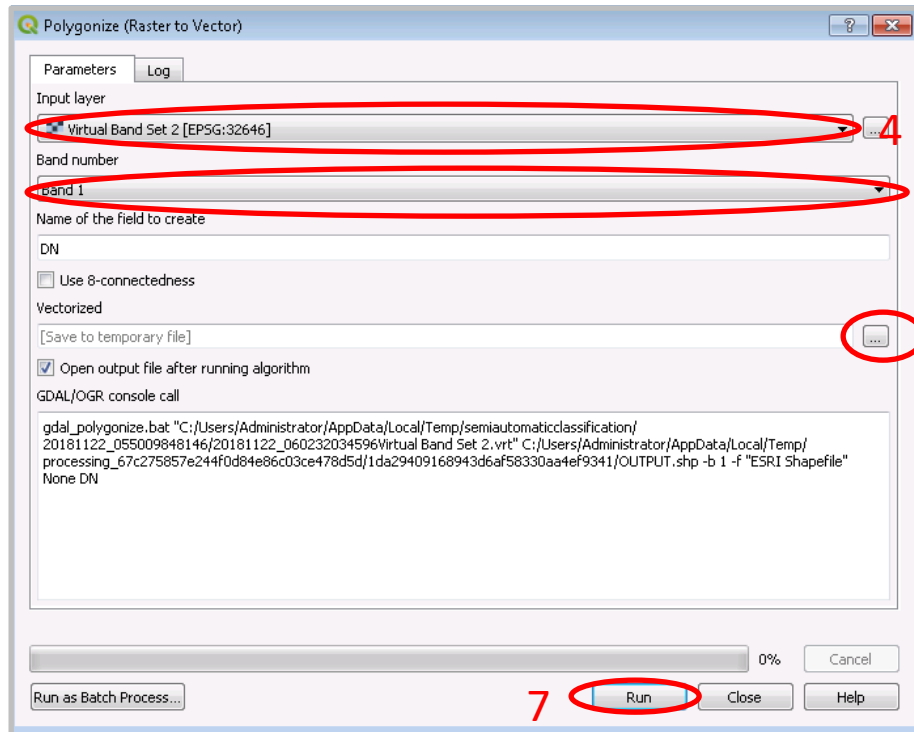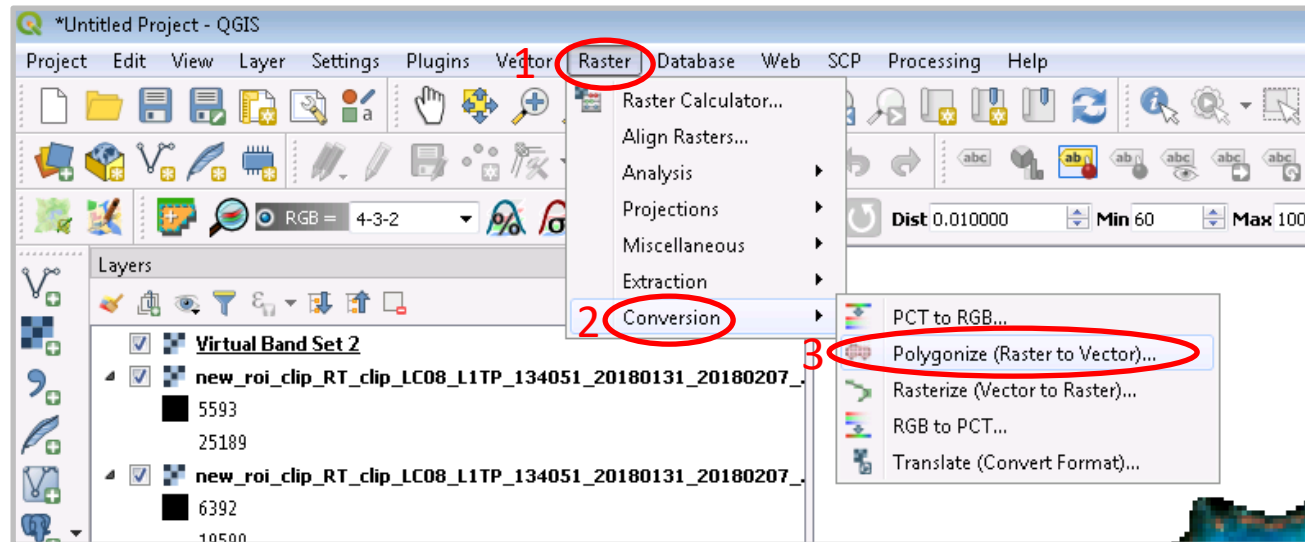➢Now click on save temporary ROI to training input
➢Collect all training classes

➢ Go to SCP ➡ Band Processing ➡ Classification
➢ Use Micro ID or class ID
➢ Select algorithm ➡ Landcover signature classification
➢ Click on run ➡ give the path to save the classified image.

Data conversion from raster to vector

➢Select Vector layer   ⟶   right click   ⟶   Open attribute table

➢In attribute window click on add field

➢Add field window opens ⇾ give the field name   ⟶   Select the field type

  Length   ⟶   ok
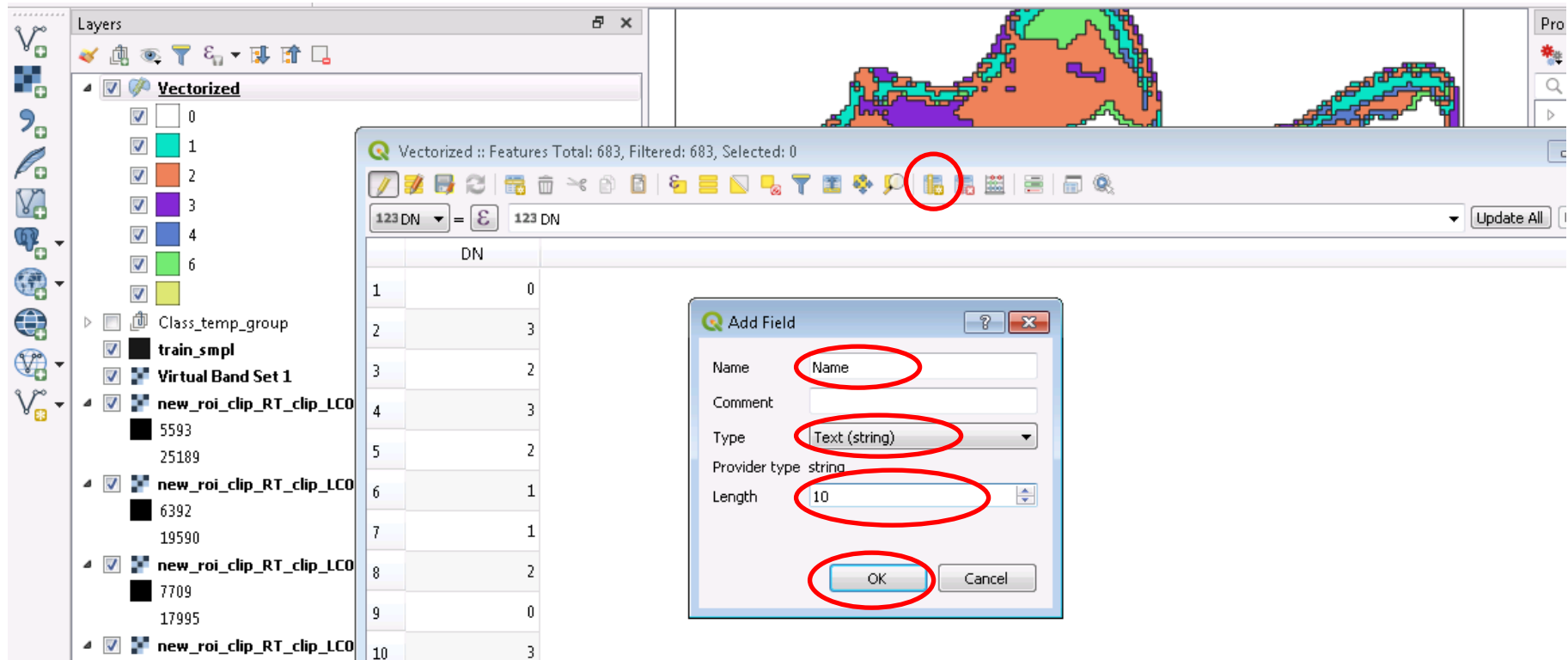
If we want give the name to all same class fields at a time:

➤Click on open attribute table

➤Click on select by expression ⟶ type the expression ⟶ Click on Select feature

➤Click on modify attributes of all selected features simultaneously ⟶ enter the name ok

➢Click on Toggle editing
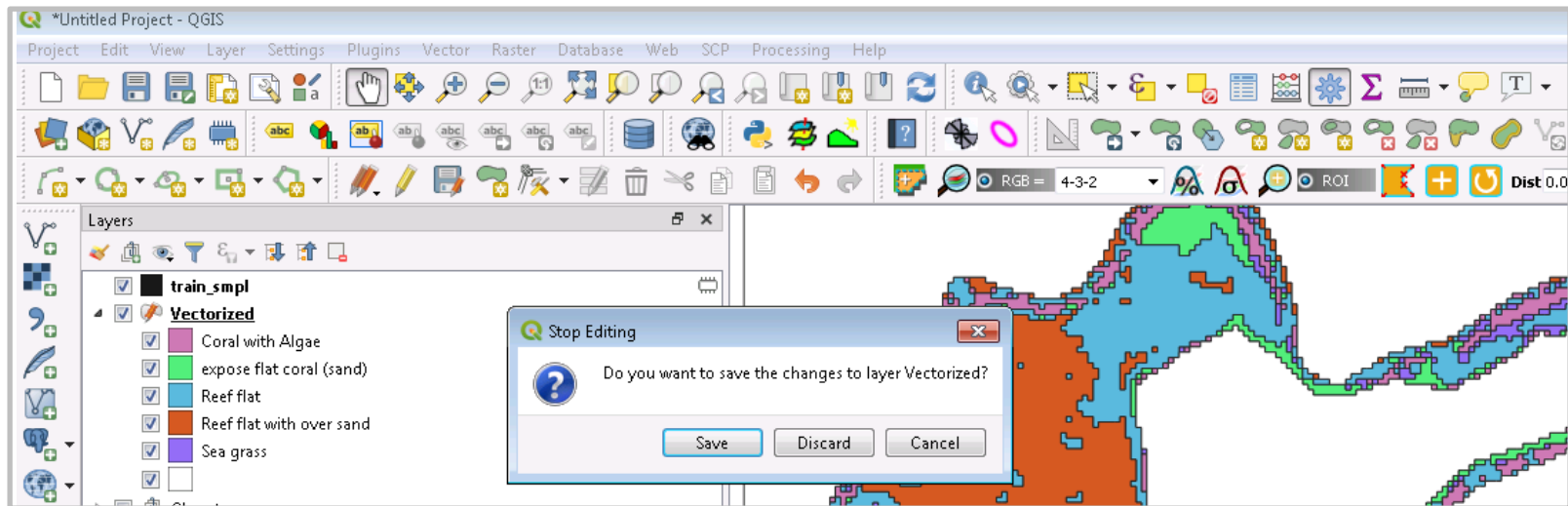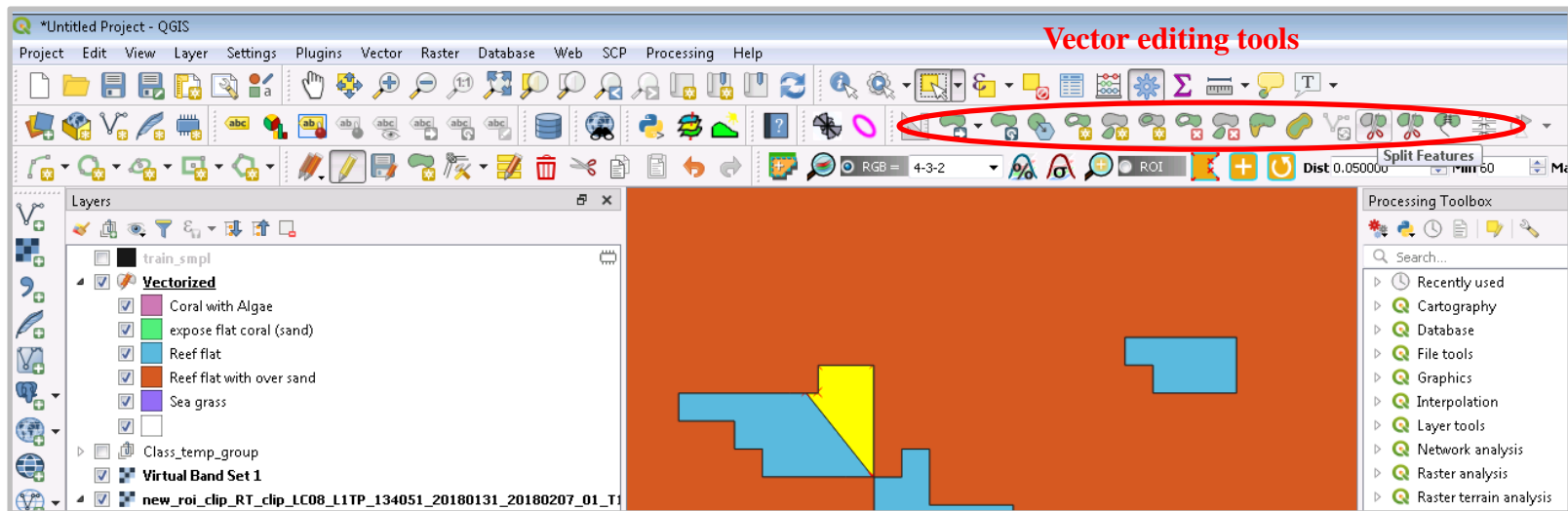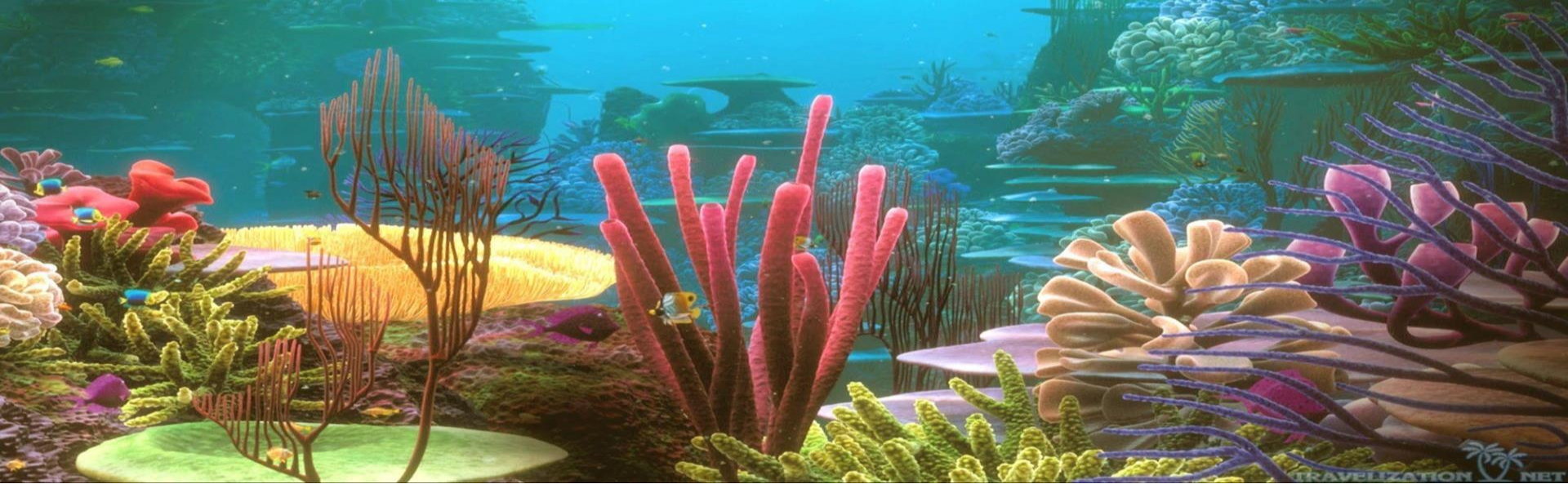➢Click on select features by area or single click ⟶ Select miss classified feature
➢Click on open attribute table ⟶ Select show selected features
➢Click on toggle editing mode ⟶ move in to the right class with rename
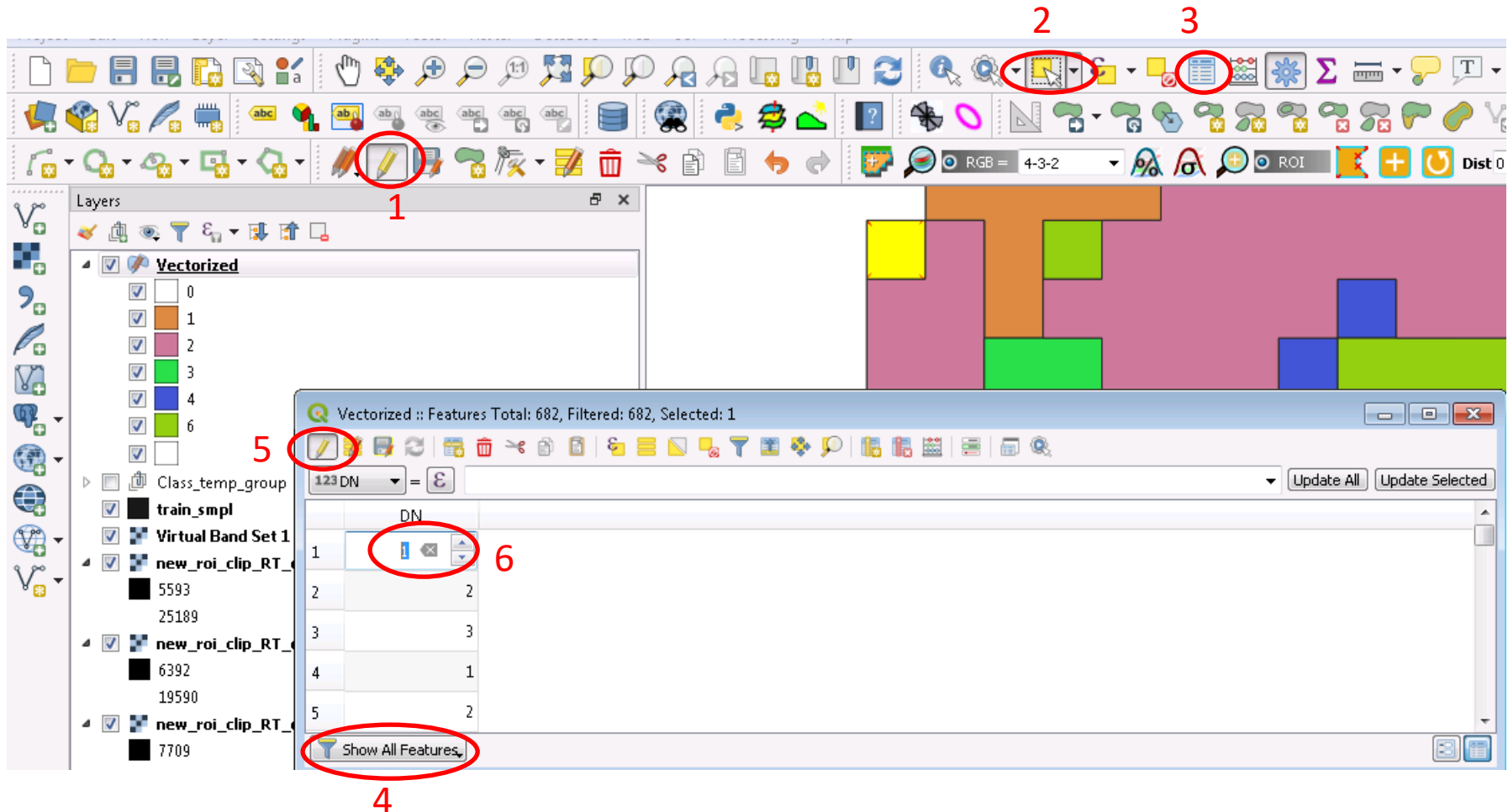
➢If we found any miss classification and wrong shape of feature using vector editing Tools we can modify.

➢After finishing all the edits click on toggle editing≻stop editing window opens click on save

Thank you