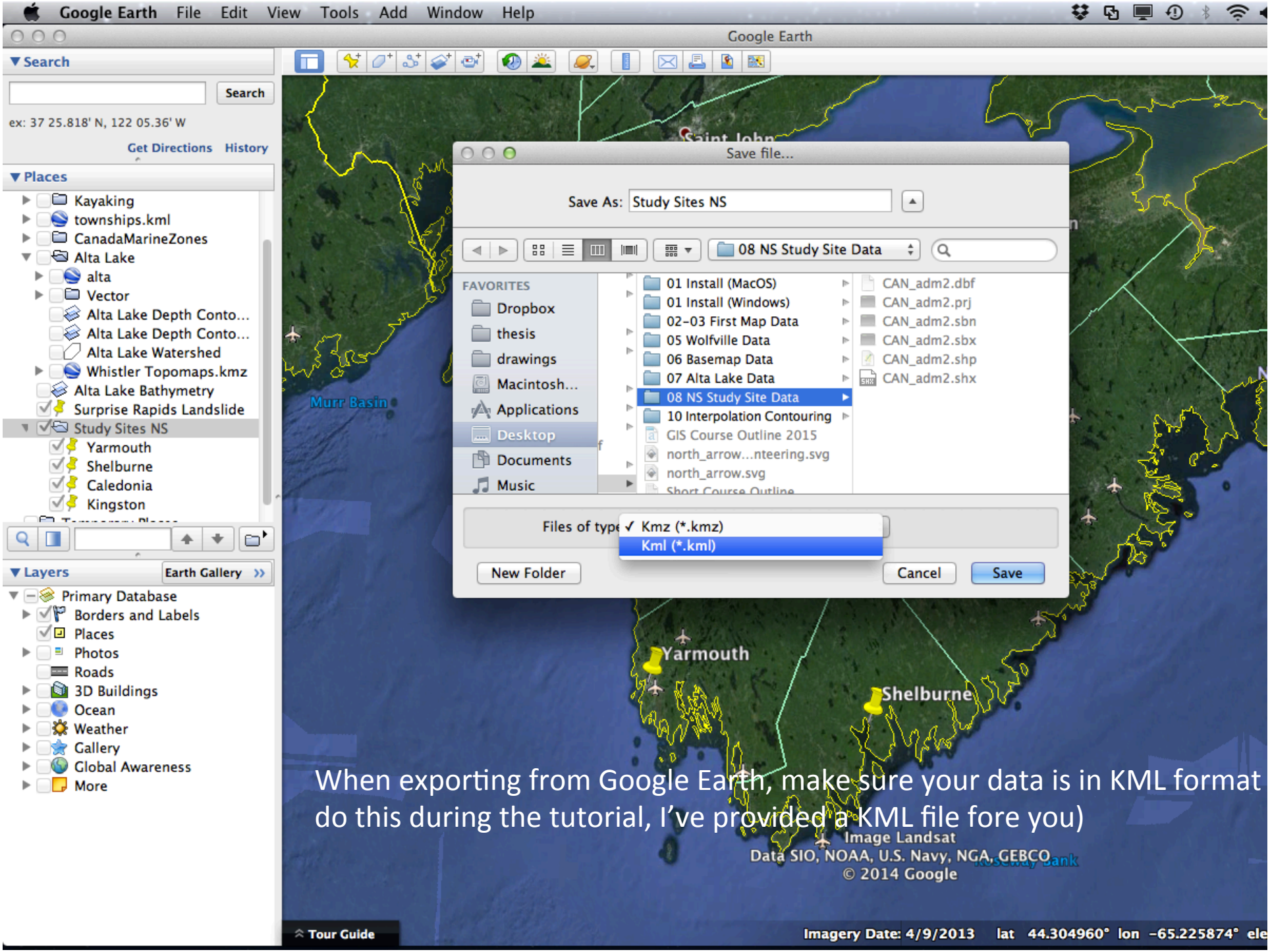
8. Nova Scotia Study Sites Map

Purpose

- Export Study Sites from Google Earth in KML format, put them on a map of Nova Scotia in QGIS.


Google Earth File Edit View Tools Add Window Help
Google Earth
Search
Search
ex: 37 25.818' N, 122 05.36' W
Get Directions History
Places
Kayaking
townships.kml
CanadaMarineZones
Alta Lake
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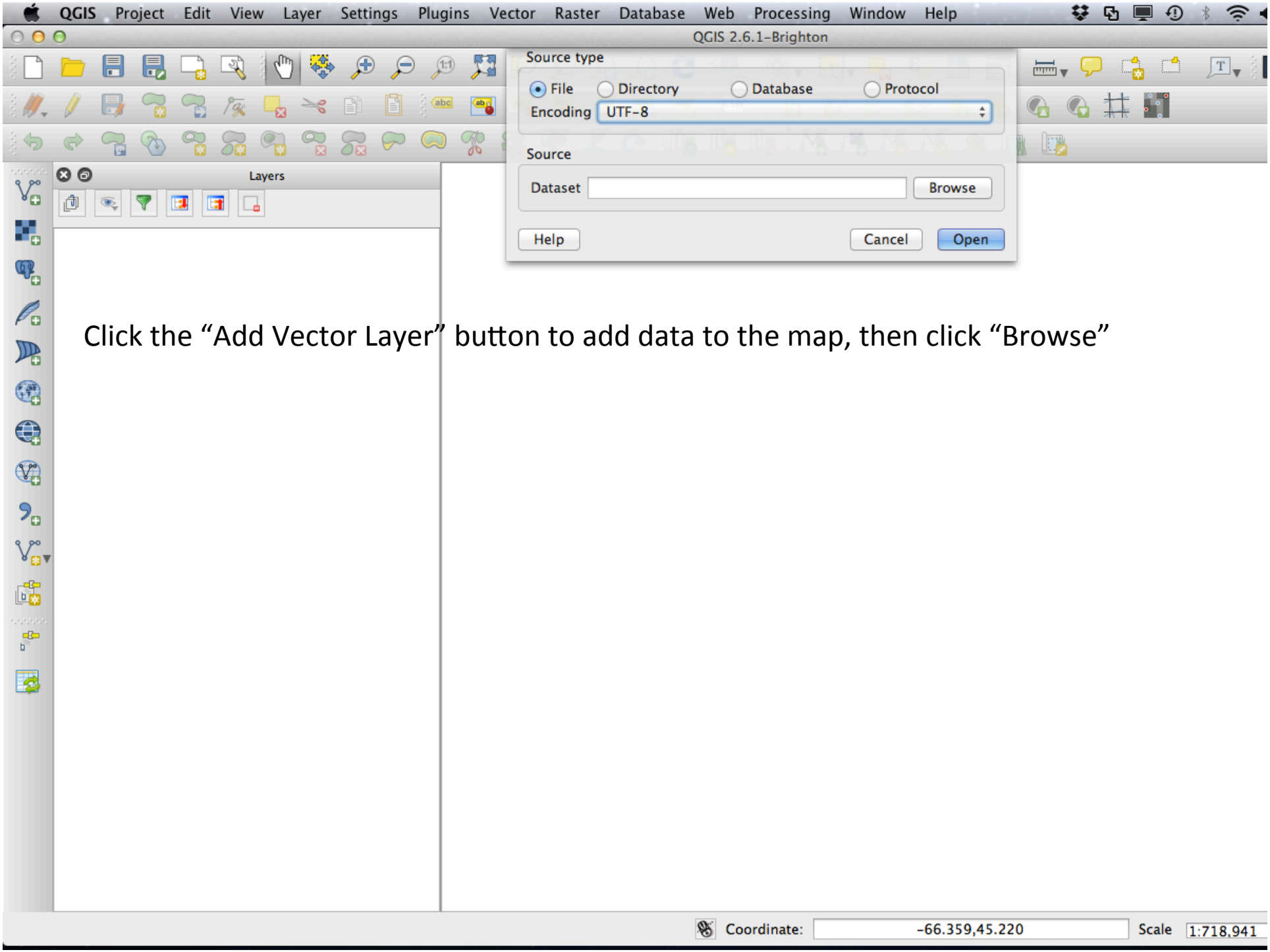
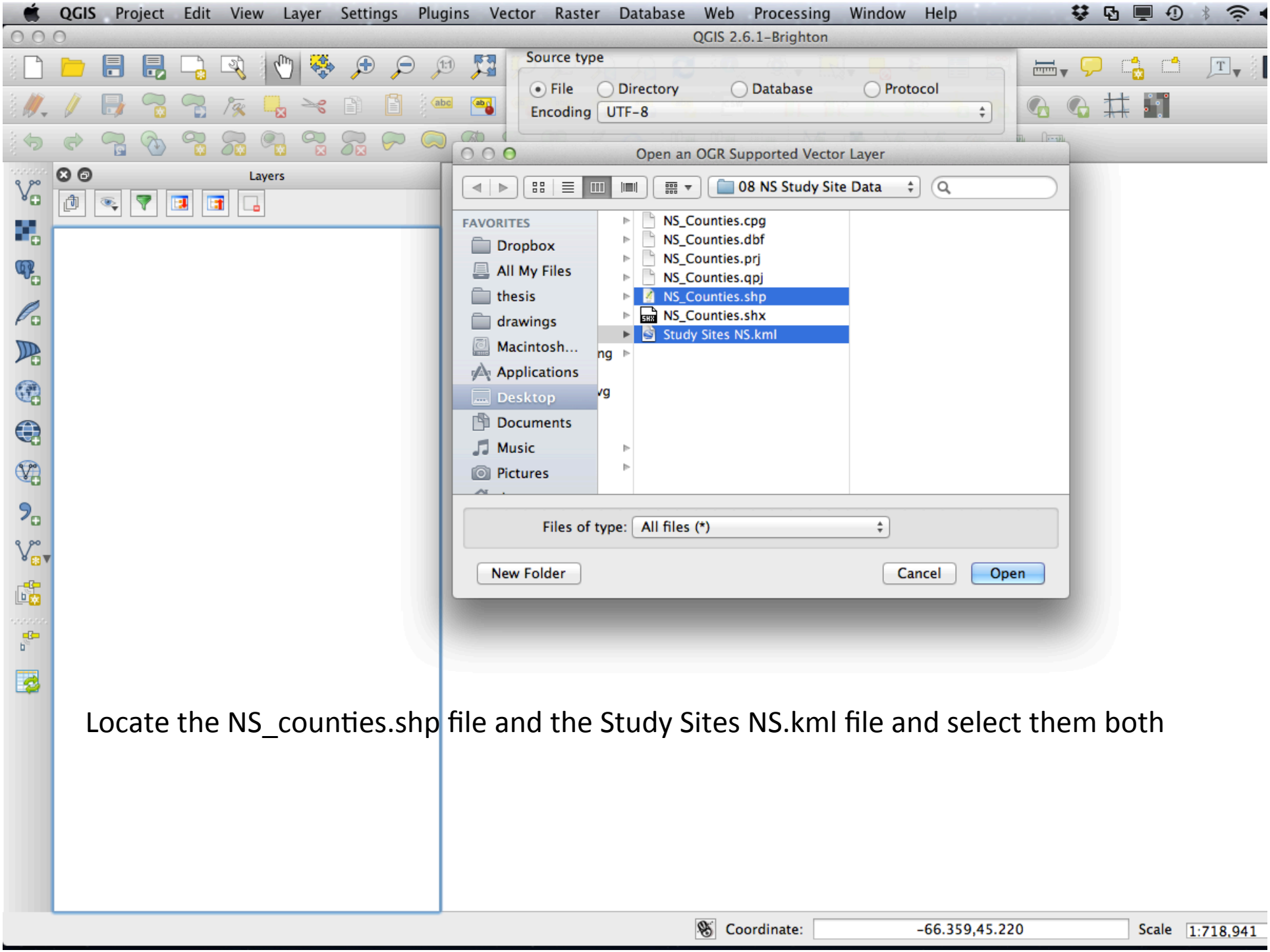
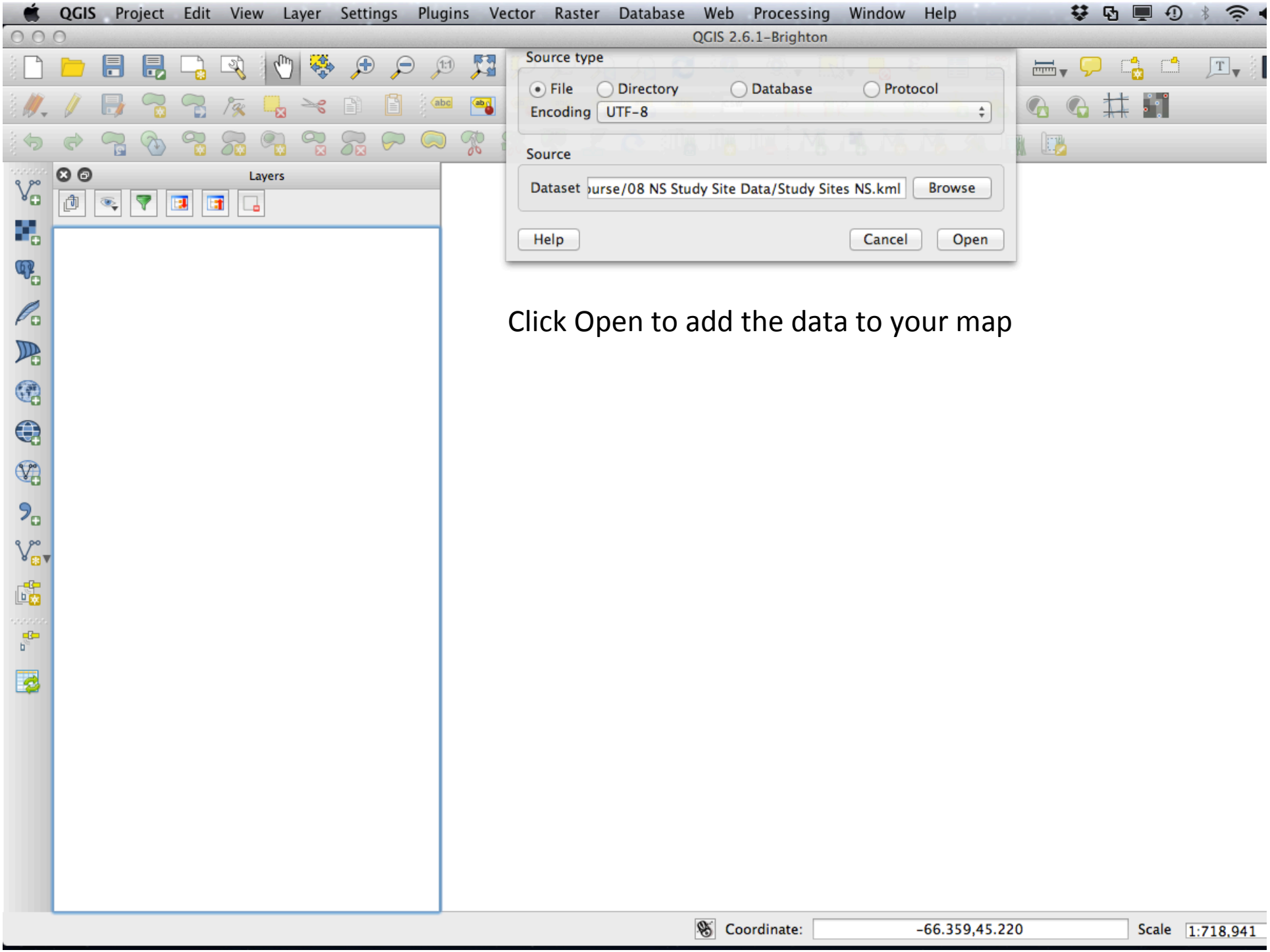
Vector
Alta Lake Depth Conto...
Alta Lake Depth Conto...
Alta Lake Watershed
Whistler Topomaps.kmz
Alta Lake Bathymetry
Surprise Rapids Landslide
Study Sites NS
Yarmouth
Shelburne
Caledonia
Kingston
Layers
Earth Gallery
Primary Database
Borders and Labels
Places
Photos
Roads
3D Buildings
Ocean
Weather
Gallery
Global Awareness
More
Save file...
Save As: Study Sites NS
08 NS Study Site Data
FAVORITES
Dropbox
thesis
drawings
Macintosh...
Applications
Desktop
Documents
Music
01 Install (MacOS)
01 Install (Windows)
02-03 First Map Data
05 Wolfville Data
06 Basemap Data
07 Alta Lake Data
08 NS Study Site Data
10 Interpolation Contouring
GIS Course Outline 2015
north_arrow...nteering.svg
north_arrow.svg
CAN_adm2.dbf
CAN_adm2.prj
CAN_adm2.sbn
CAN_adm2.sbx
CAN_adm2.shp
CAN_adm2.shx
Files of type
Kmz (*.kmz)
Kml (*.kml)
New Folder
Cancel
Save
Murr Basin
Yarmouth
Shelburne
When exporting from Google Earth, make sure your data is in KML format
do this during the tutorial, I've provided a KML file fore you)
Image Landsat
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
© 2014 Google
Tour Guide
Imagery Date: 4/9/2013 lat 44.304960° lon -65.225874° ele



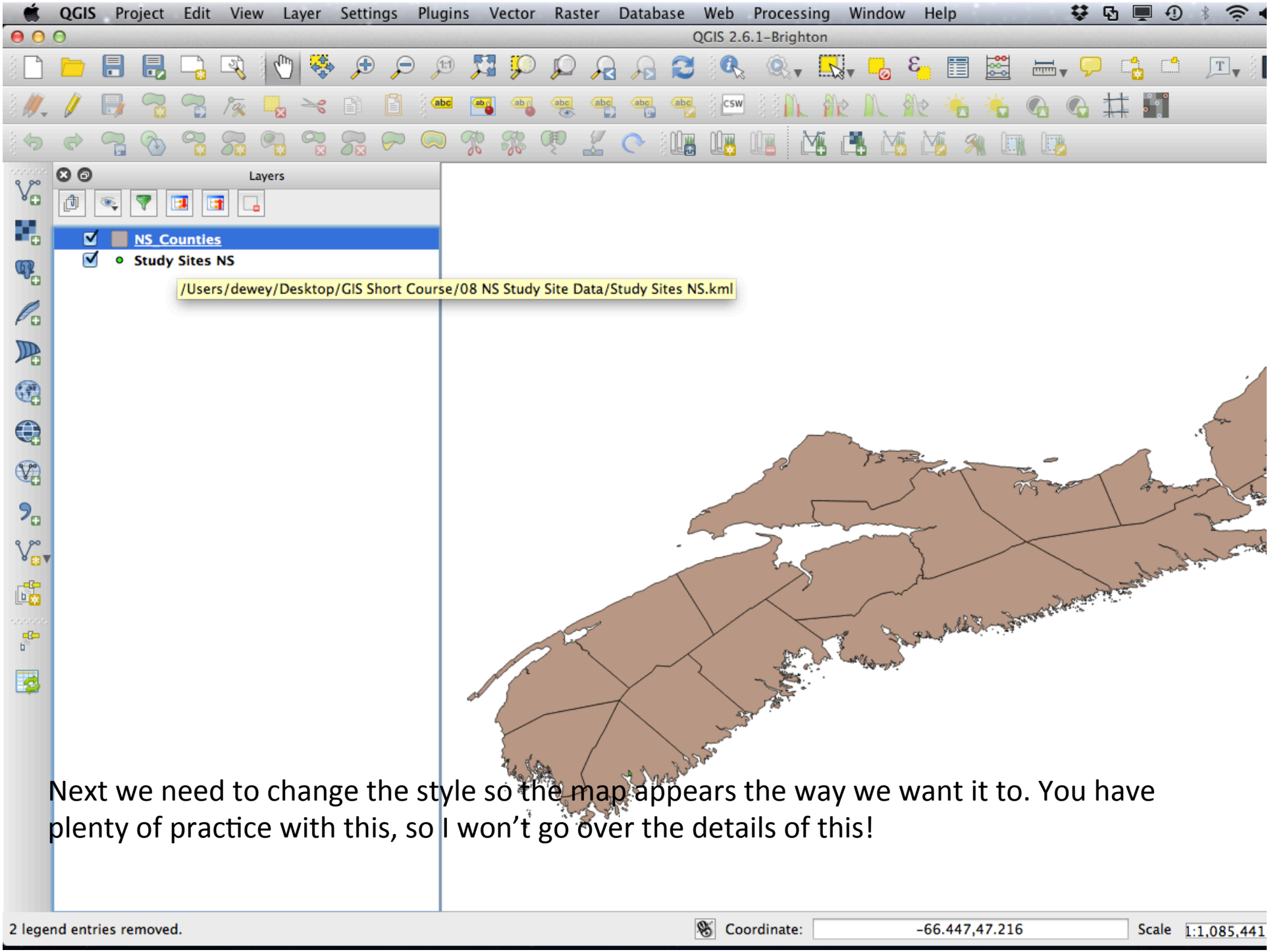
Click the “Add Vector Layer” button to add data to the map, then click “Browse”



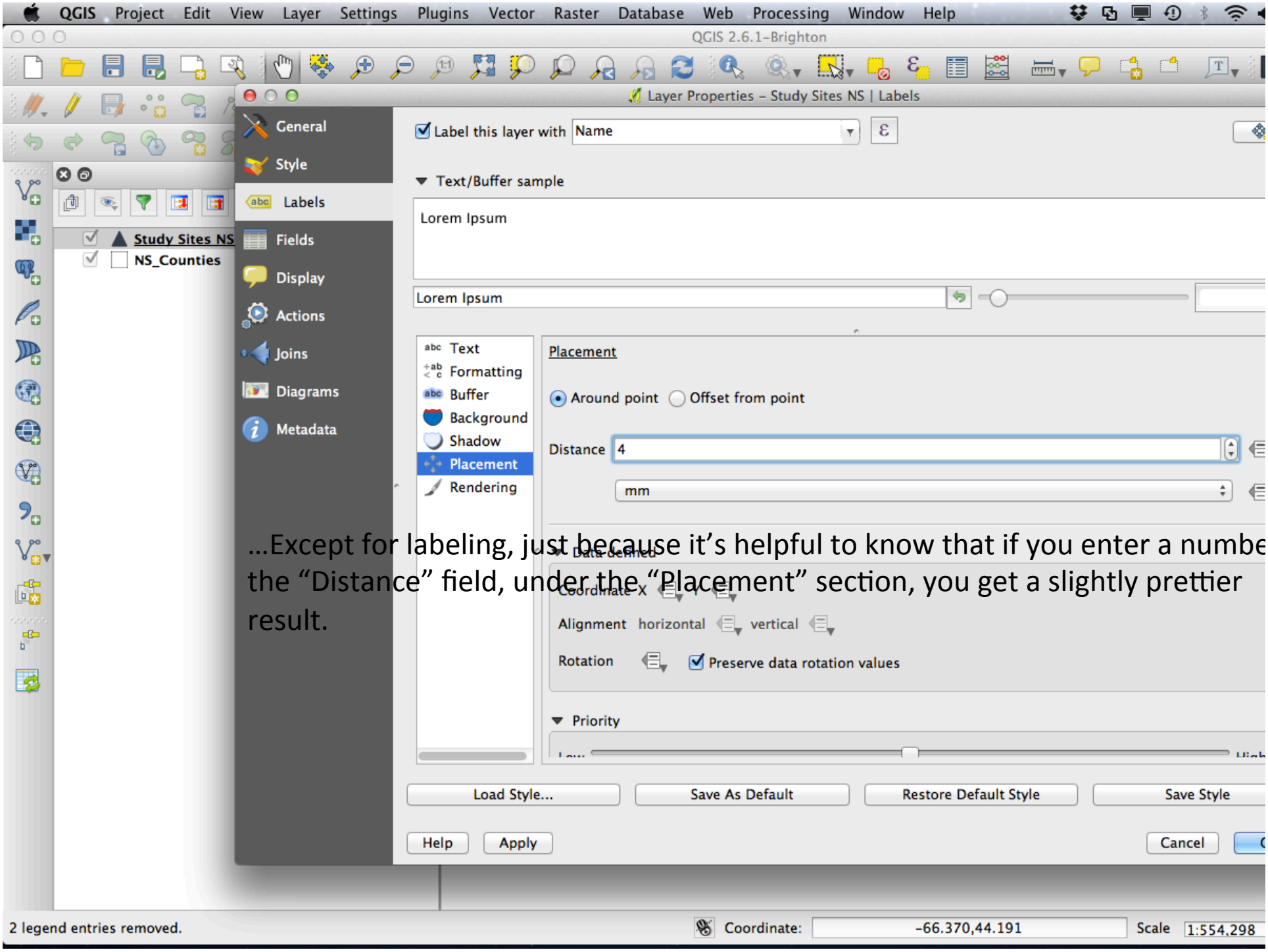
Locate the NS_counties.shp file and the Study Sites NS.kml file and select them both



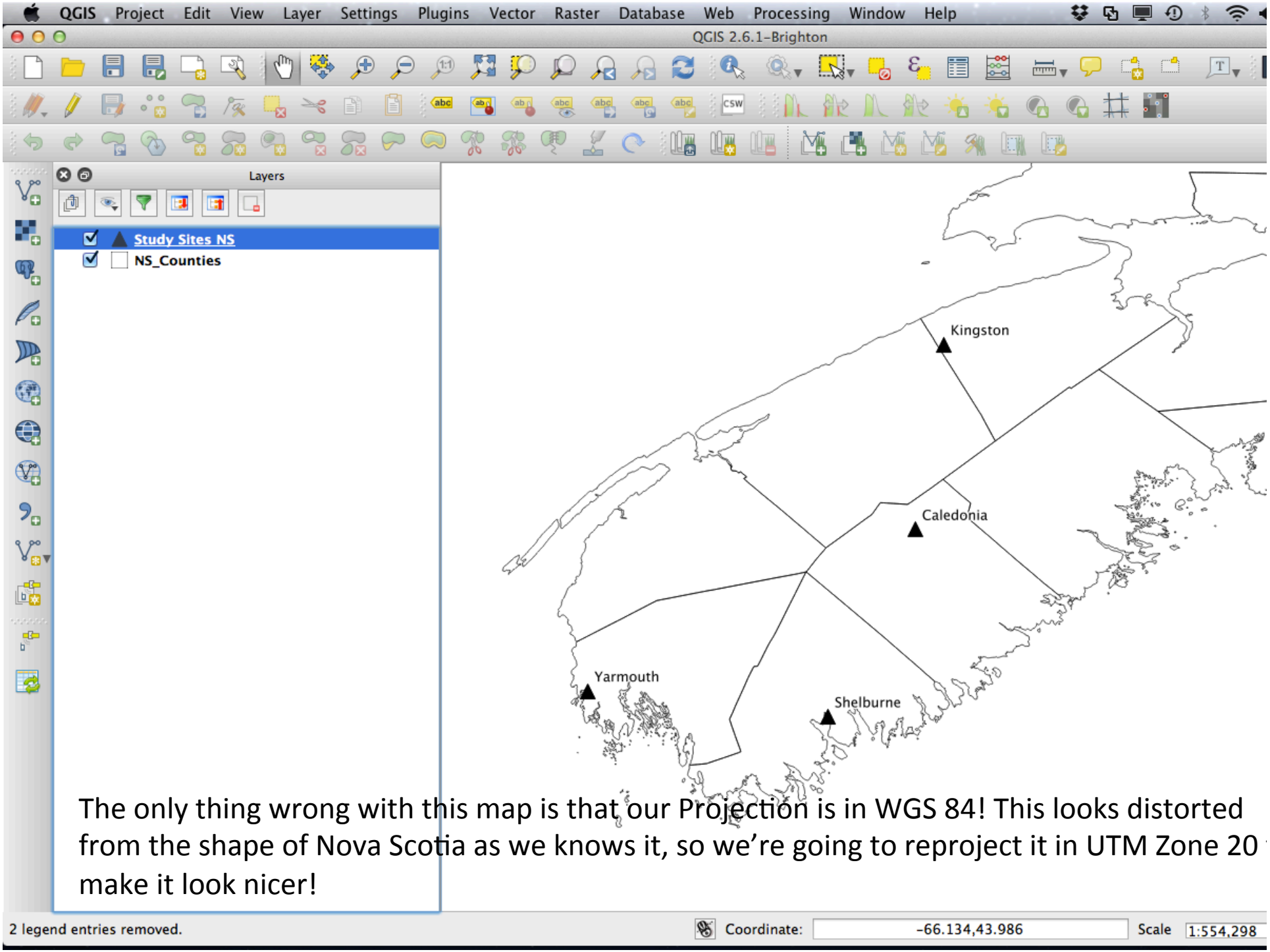
Click Open to add the data to your map



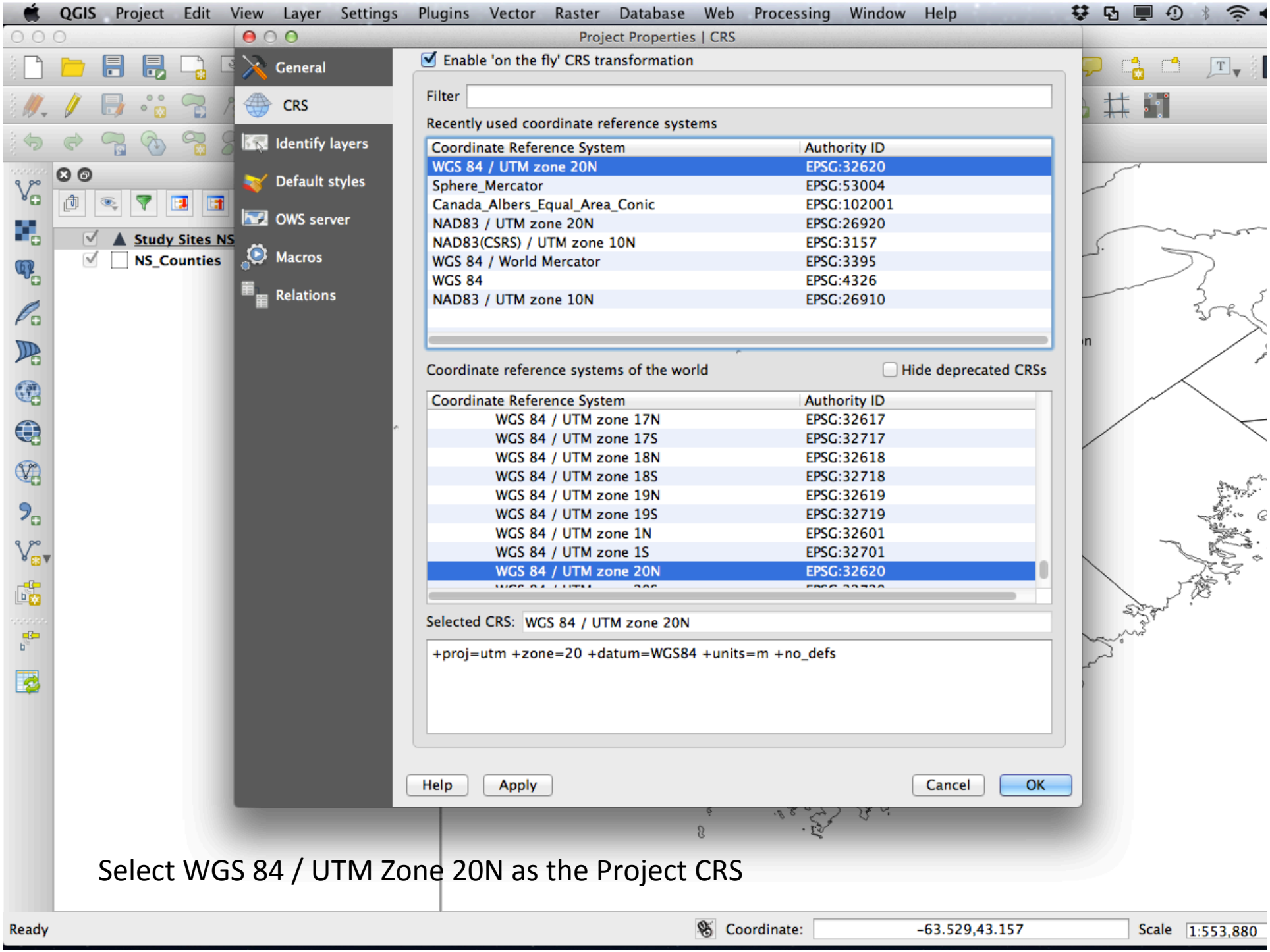
Next we need to change the style so the map appears the way we want it to. You have plenty of practice with this, so I won't go over the details of this!



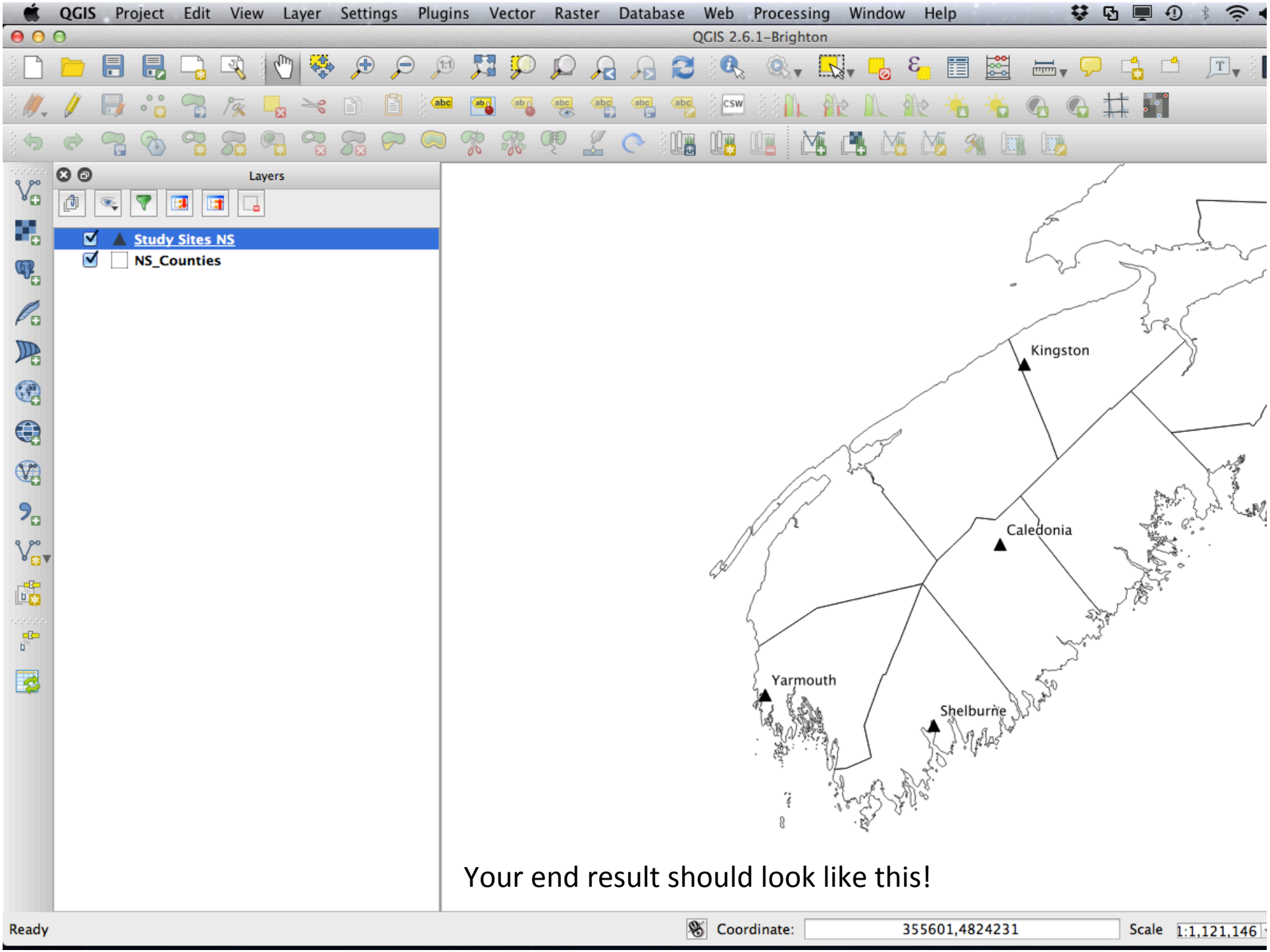
…Except for labeling, just because it's helpful to know that if you enter a numbe the "Distance" field, under the "Placement" section, you get a slightly prettier result.



The only thing wrong with this map is that our Projection is in WGS 84! This looks distorted from the shape of Nova Scotia as we knows it, so we're going to reproject it in UTM Zone 20 make it look nicer!



Select WGS 84 / UTM Zone 20N as the Project CRS



Your end result should look like this!