



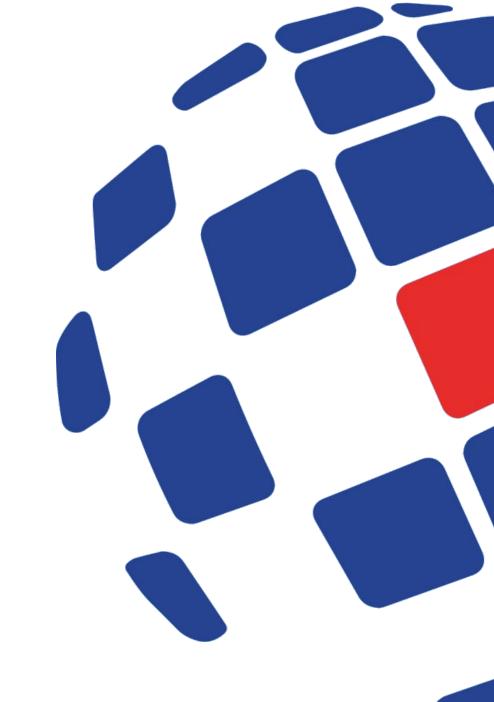
October 2023 - Saint Kitts and Nevis

GIS Data: Vectors



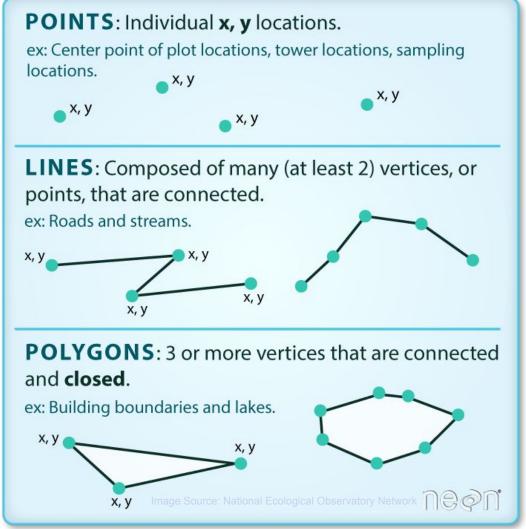






Vector Data - Structure





Vector data (point, line or polygon) are all made up of series of points or vertices

Each individual point, line or polygon has separate line in the attribute table where information about the object is stored

The most popular data format for vector data is the Shapefile (Shp)

https://datacarpentry.org/organization-geospatial/02-intro-vector-data/



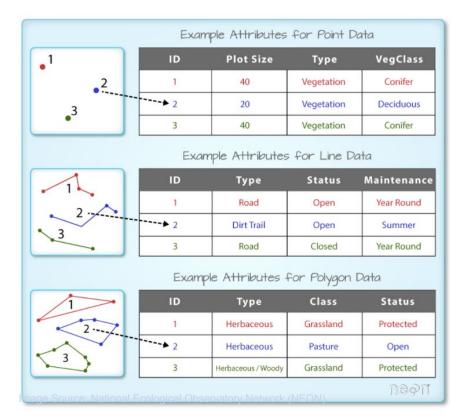


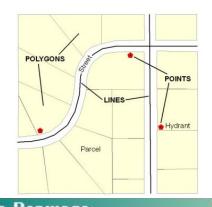




Vector Data

- Features represented by series of coordinates
- Features have attribute information in tables
- Generic term is vector data















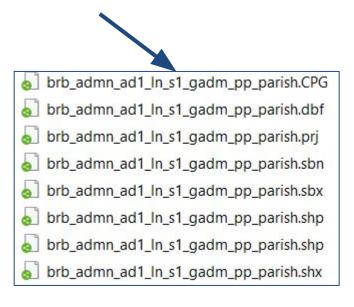


GIS Mapping Data Formats



VECTOR DATA

- GPX GPS standard format
- KML/KMZ Google Earth/Map
- ShapeFile SHP ESRI widely used multiple files
- QGIS Geopackage ESRI Geodatabase
- Excel.xlsx, CSV, DBF









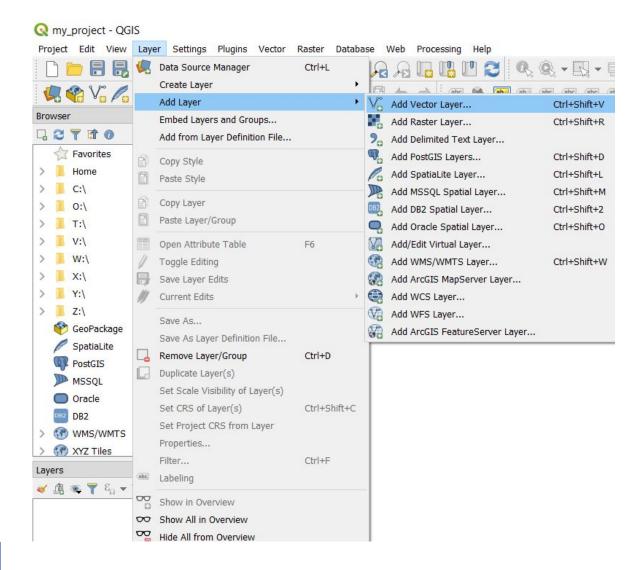


Adding Vector Data



Adding SHAPE file

- Add Layer
- Add Vector Layer







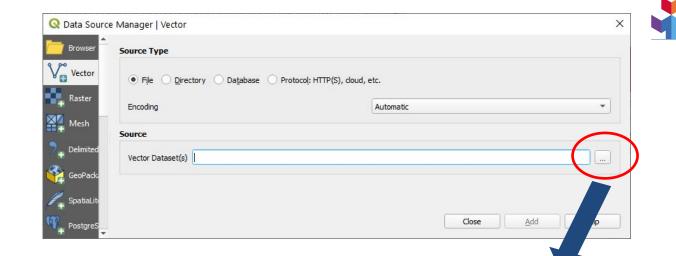




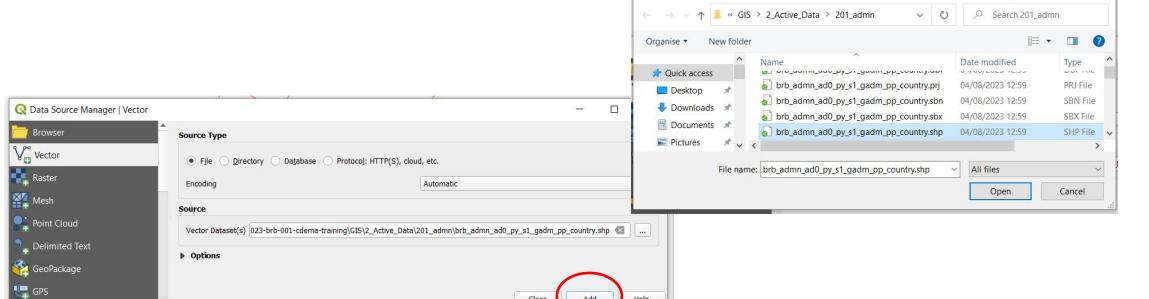
Add Data

Add Vector Layer

- Source Type: File
- Navigate to file
- Open SHP file > Add data



Q Open OGR Supported Vector Dataset(s)





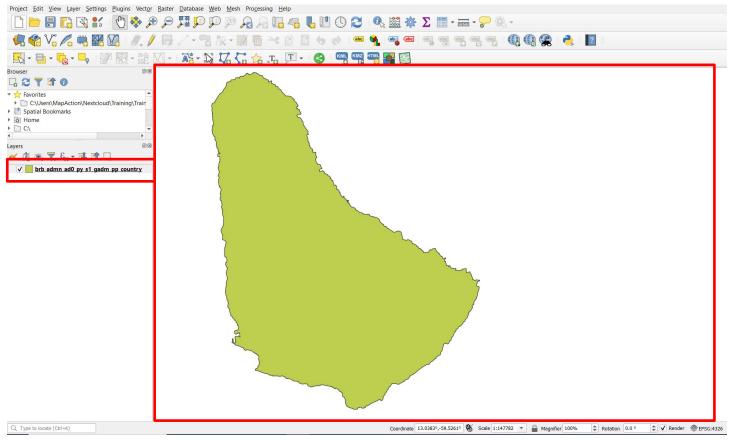




Add Data



- The layer had been added to the map window
- The name is also shown in the layer list panel









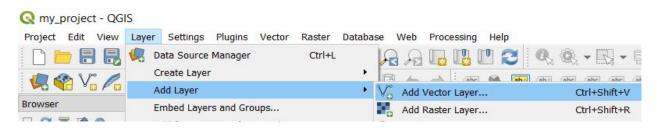


Conclusion

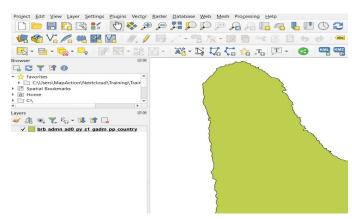


We have now looked at the following features:

- Vector data
- How to add a vector shape file to the project















This programme is gratefully supported by









mapaction.org