LECTURE – 13

CREATING MAPS

Course Instructor:
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Content

- Map Production
- Creating Maps in QGIS
- Creating Web Based GIS Maps

Map Production

- The end result of a GIS study is usually a map that can be used for making decisions.
- Once you have created a GIS map showing useful information, it needs to be exported to a format that anyone's computer can read, as well as can be printed.
- In QGIS, both exporting and printing is handled via the Map Composer.

Map Production

Map production

- It is the process of arranging map elements on a sheet of paper in a way that, even without many words, the average person can understand what it is all about.
- Maps are usually produced for presentations and reports where the audience or reader is a politician, citizen or a learner with no professional background in GIS.
- Because of this, a map has to be effective in communicating spatial information.

Map Production

Common Elements of a Map:

- Title
- Map Body
- Legend
- North Arrow
- Scale Bar
- Acknowledgement
- Map Border

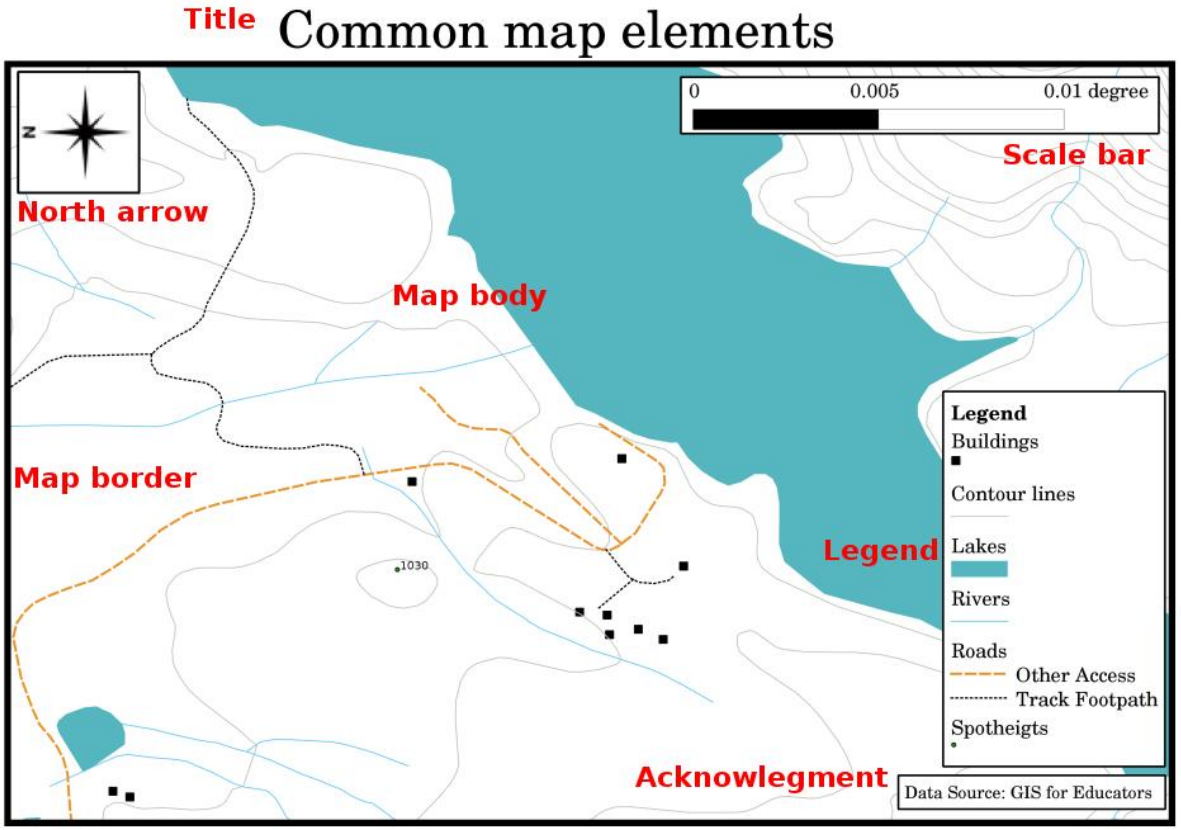


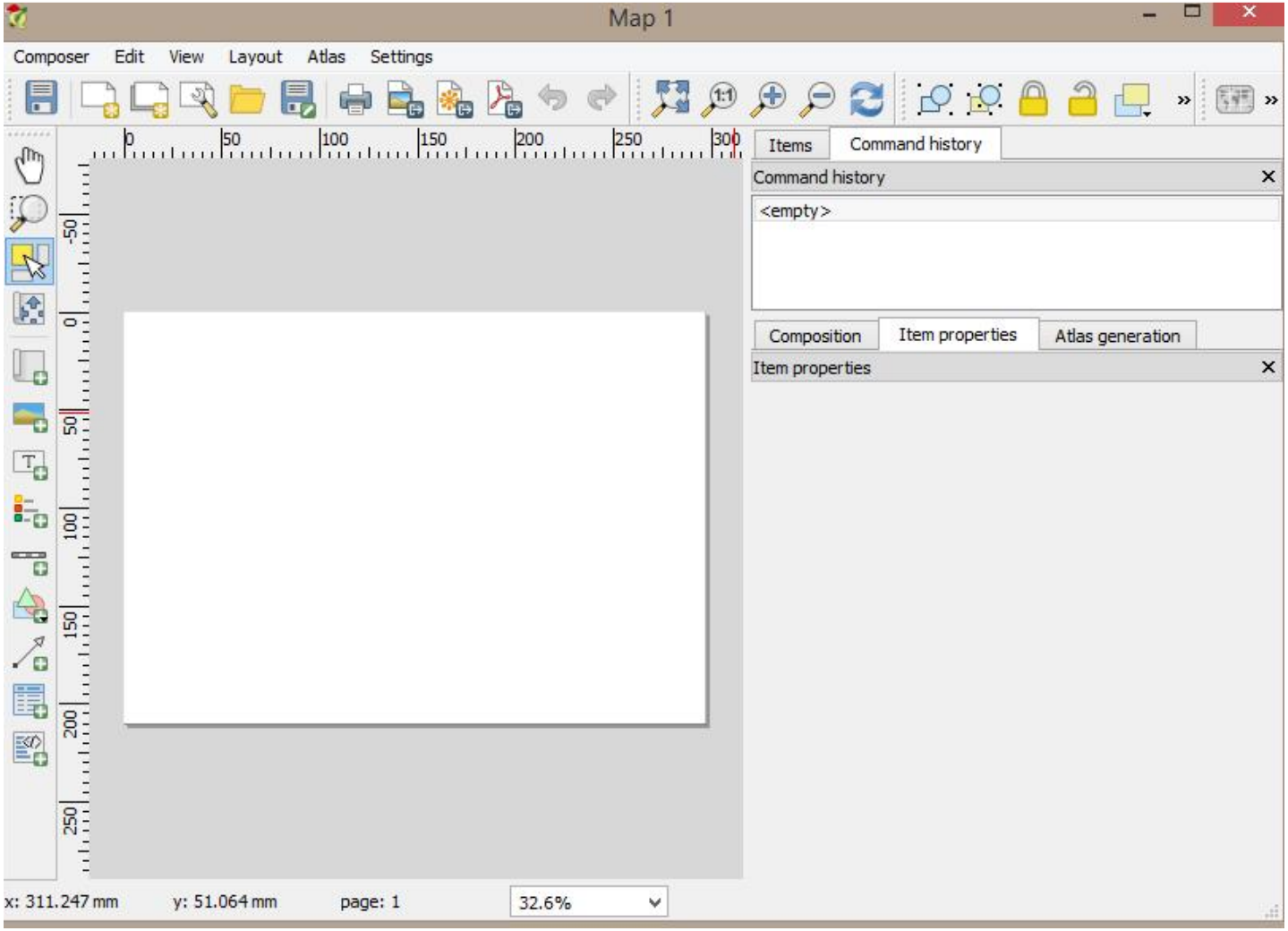
Image Source: QGIS Documentation

Creating Maps in QGIS

- Command Path for Map Composer:
  - Project > Compose Manager > Add > Give Name (for example: Map 1) > Ok
  - A new dialogue box will open where you can create map.

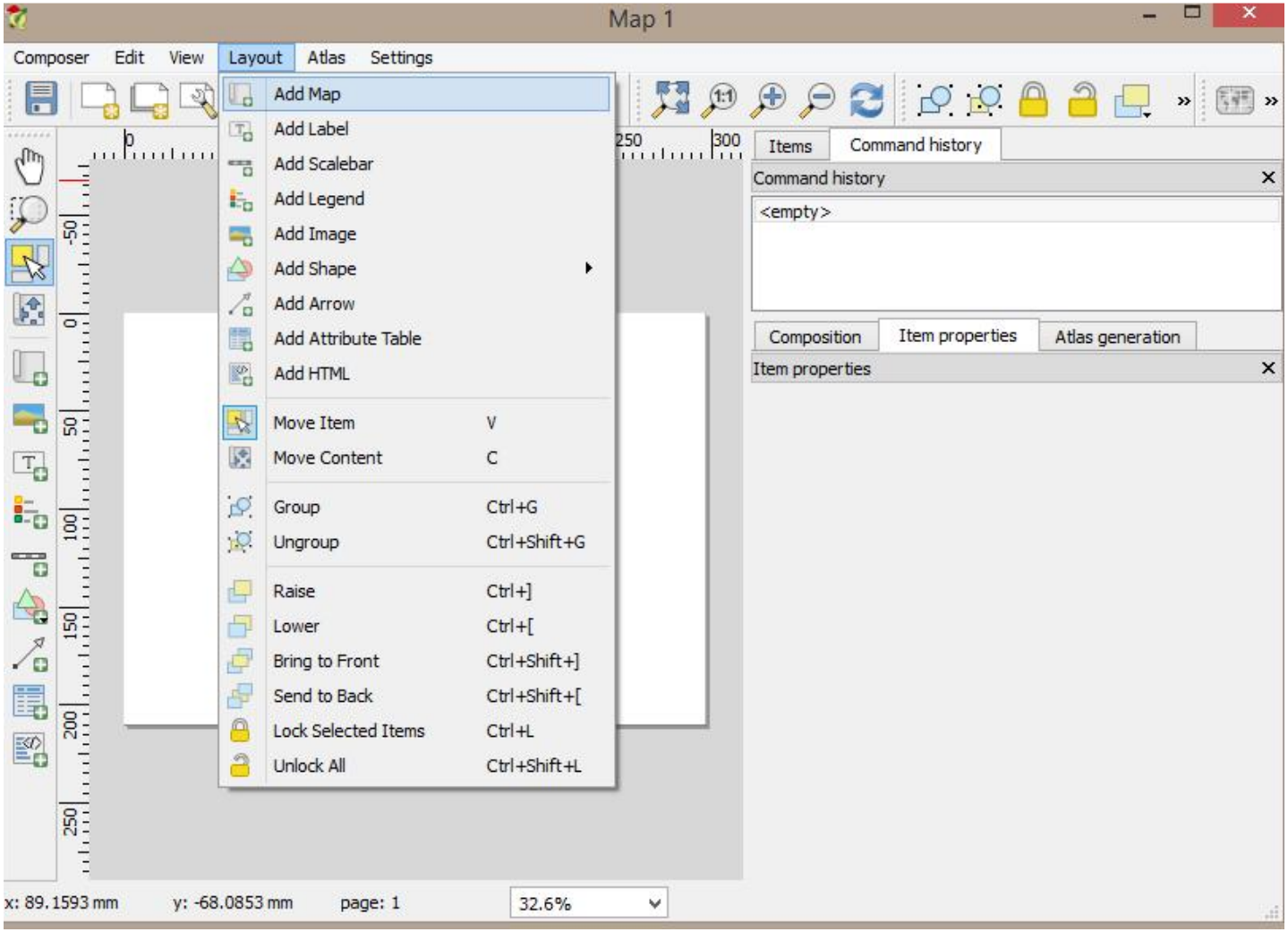
Creating Maps in QGIS

Map Composer



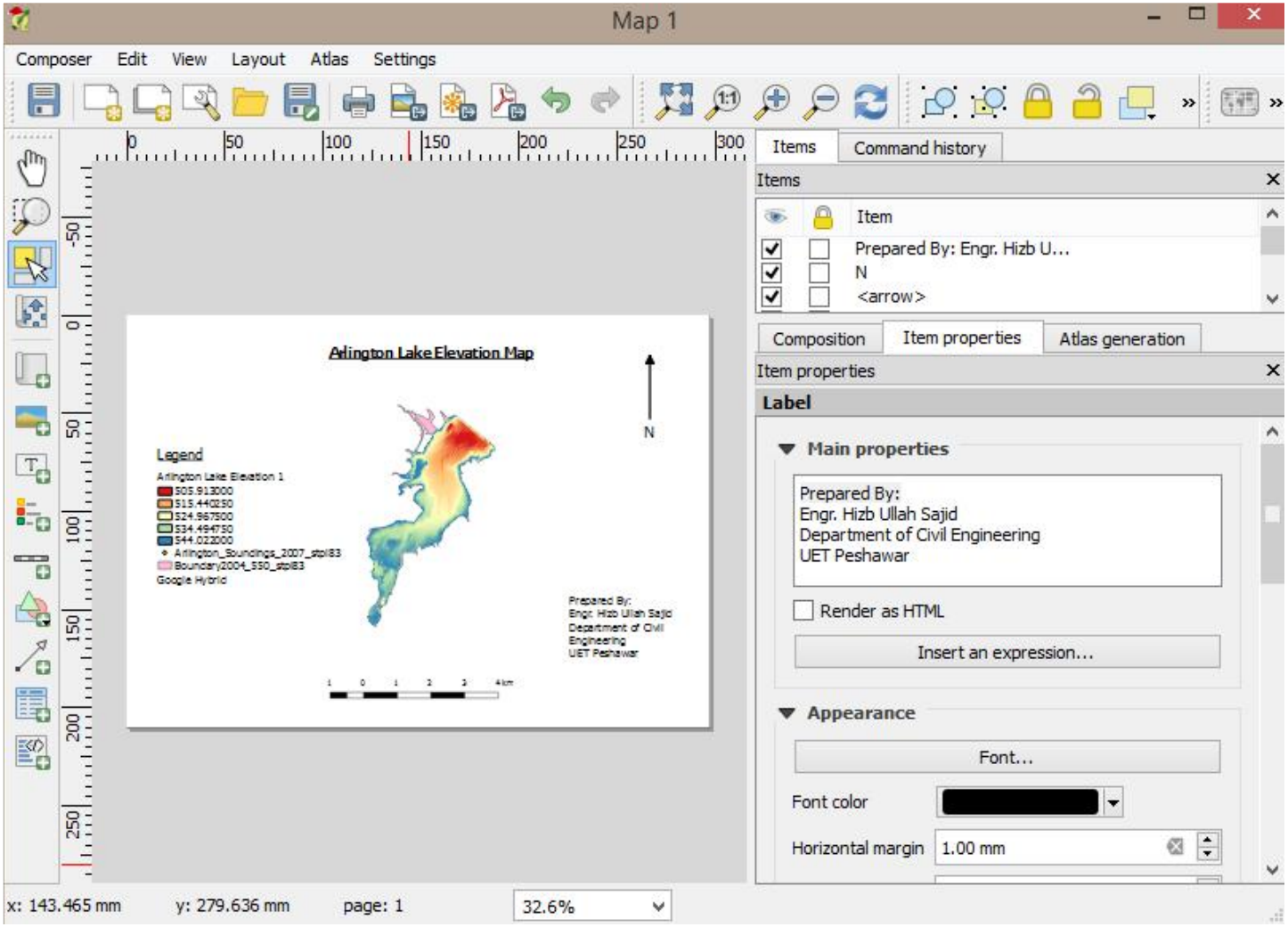
Creating Maps in QGIS

Map Composer



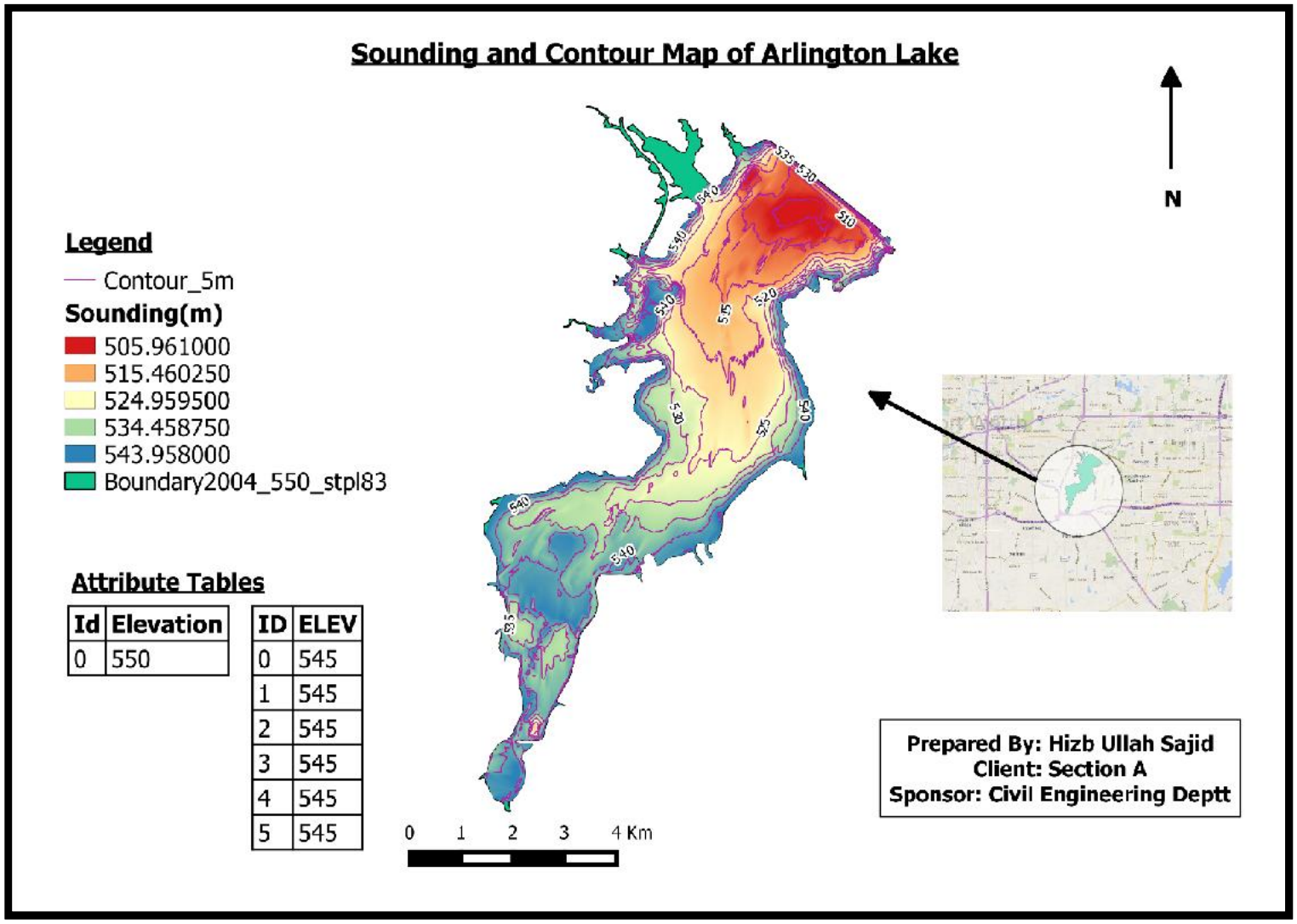
Creating Maps in QGIS

Map Composer



Creating Maps in QGIS

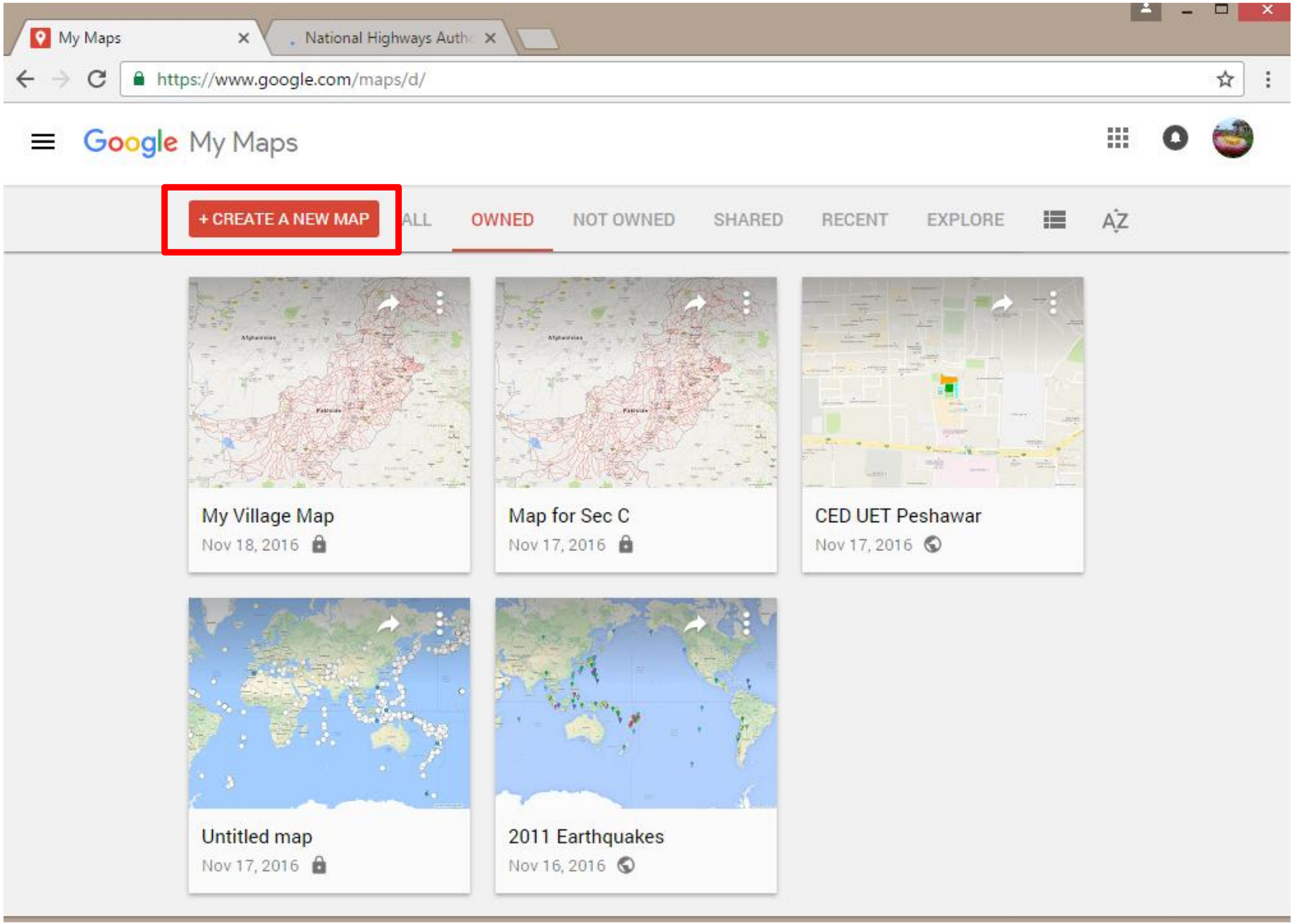
- Map Developed Using QGIS Map Composer



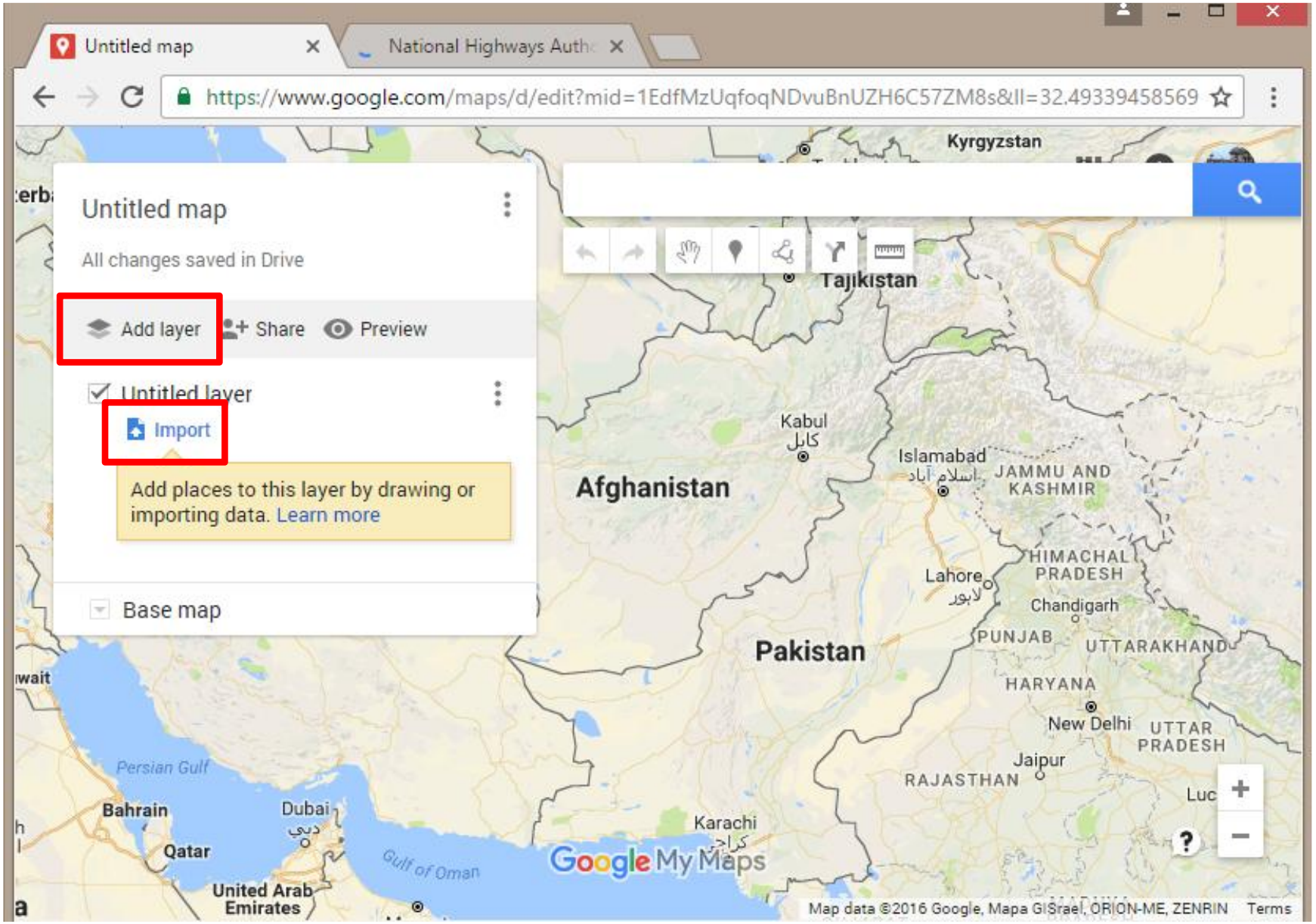
Creating Web Based GIS Maps

- Web based GIS maps can be conveniently shared over web with other users.
- Many tools area available for developing such interactive maps
- Google My Map is a very easy-to-use application for developing web based GIS maps (www.google.com/mymaps)
- National Highways Authority (NHA) has utilized Google My Map application to developed web based maps for public use (available on NHA website www.nha.gov.pk)

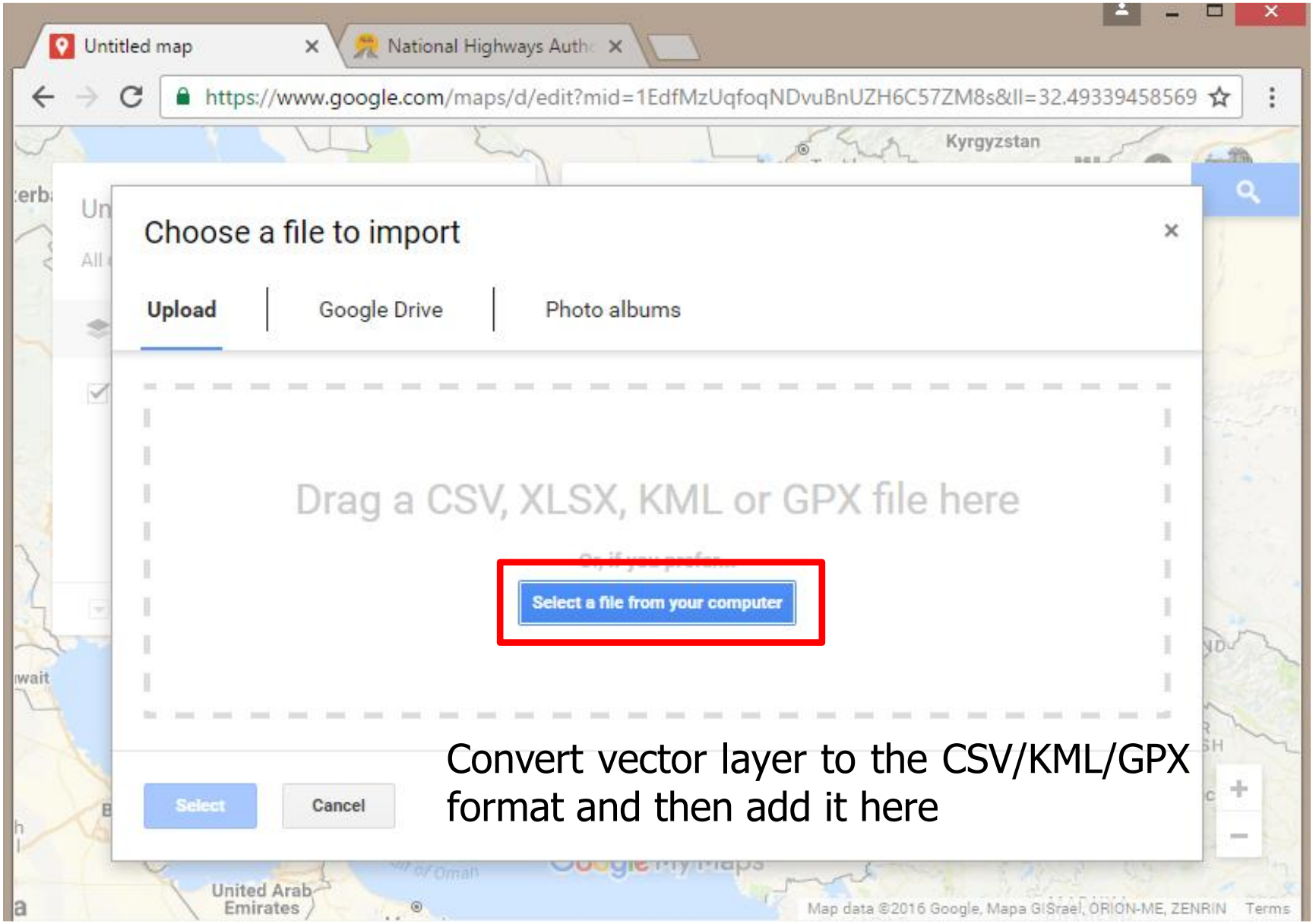
Creating Web Based GIS Maps



Creating Web Based GIS Maps

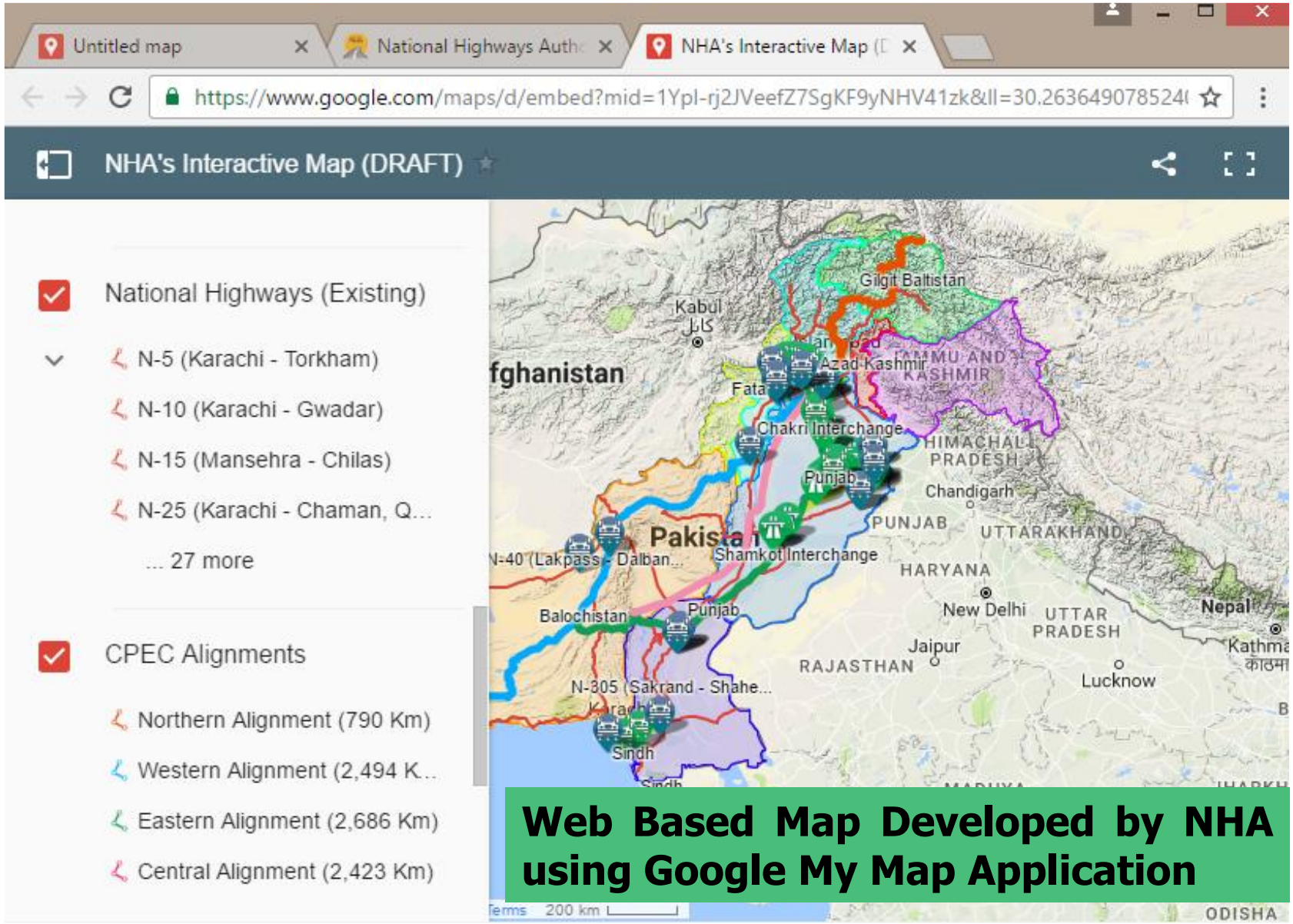


Creating Web Based GIS Maps



Convert vector layer to the CSV/KML/GPX format and then add it here

Creating Web Based GIS Maps



References

- QGIS Training Manual
- QGIS Documentation
- Google My Map Application
- NHA (www.nha.gov.pk)