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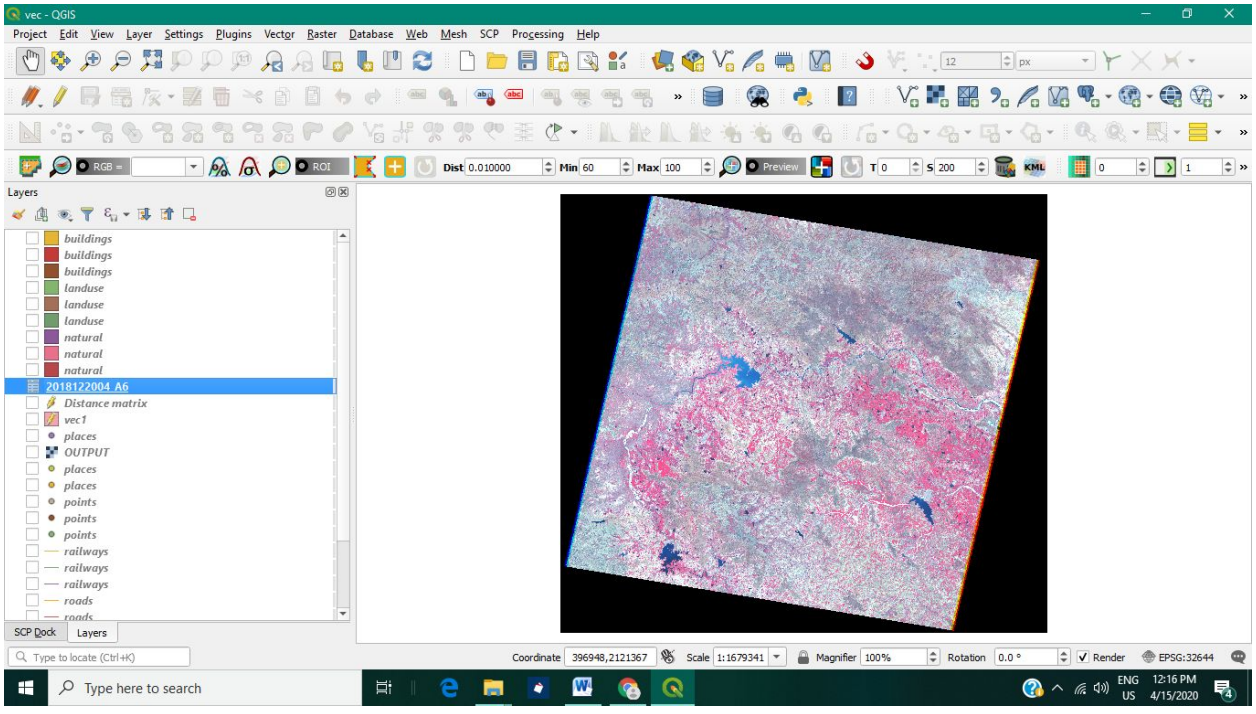
2018122004

Disaster Management
Assignment 6
Vector Analysis

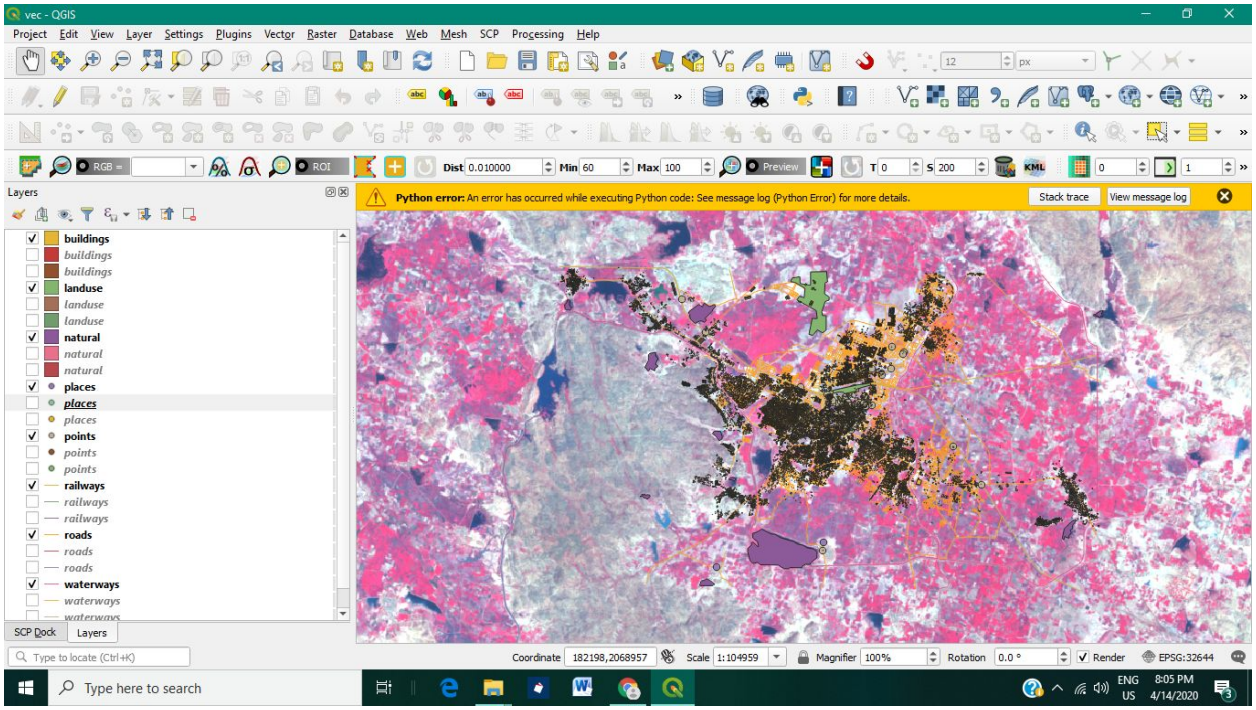
Calculating the distance matrix:
Shape files used: attached - place: Nizamabad

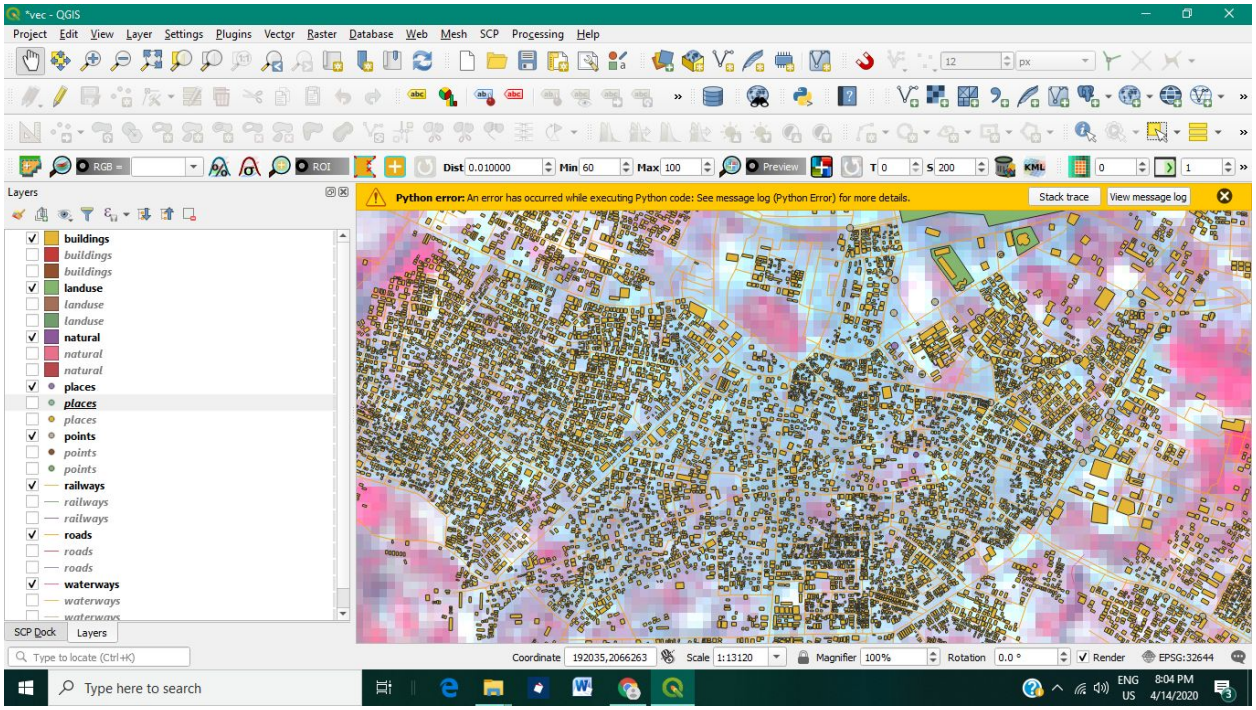
Data used:
Data Type: Landsat 7 ETM+ C1 Level 1
Data ID: LE07_L1TP_144047_20000229_20170213_01_T1
Data Acquisition Date: 29-FEB-00 (by satellite - Data time scale)
Path: 144
Row: 47
Area: Telangana, India
Google Drive Link for .TIF images:
https://drive.google.com/open?id=1q1dD2vx2yEZTx8xPDpN20vZ5U8vqKe_2

FCC 432:

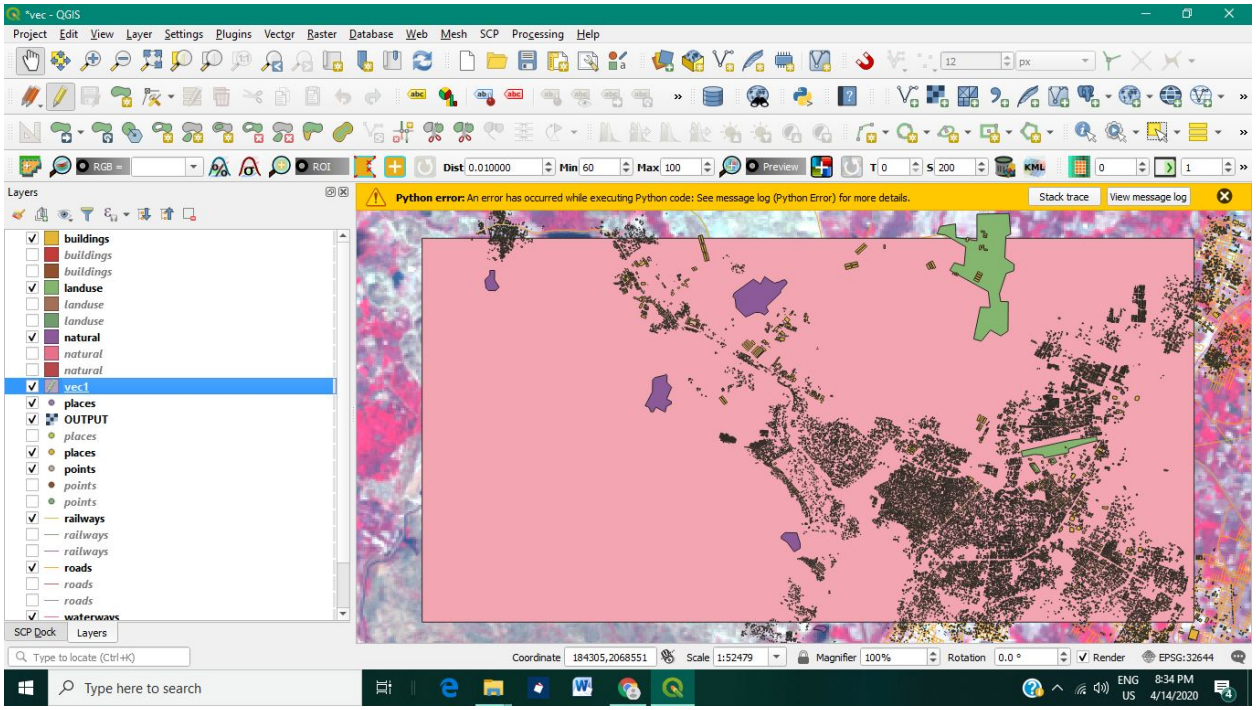


Loading the shape file as a vector layer:

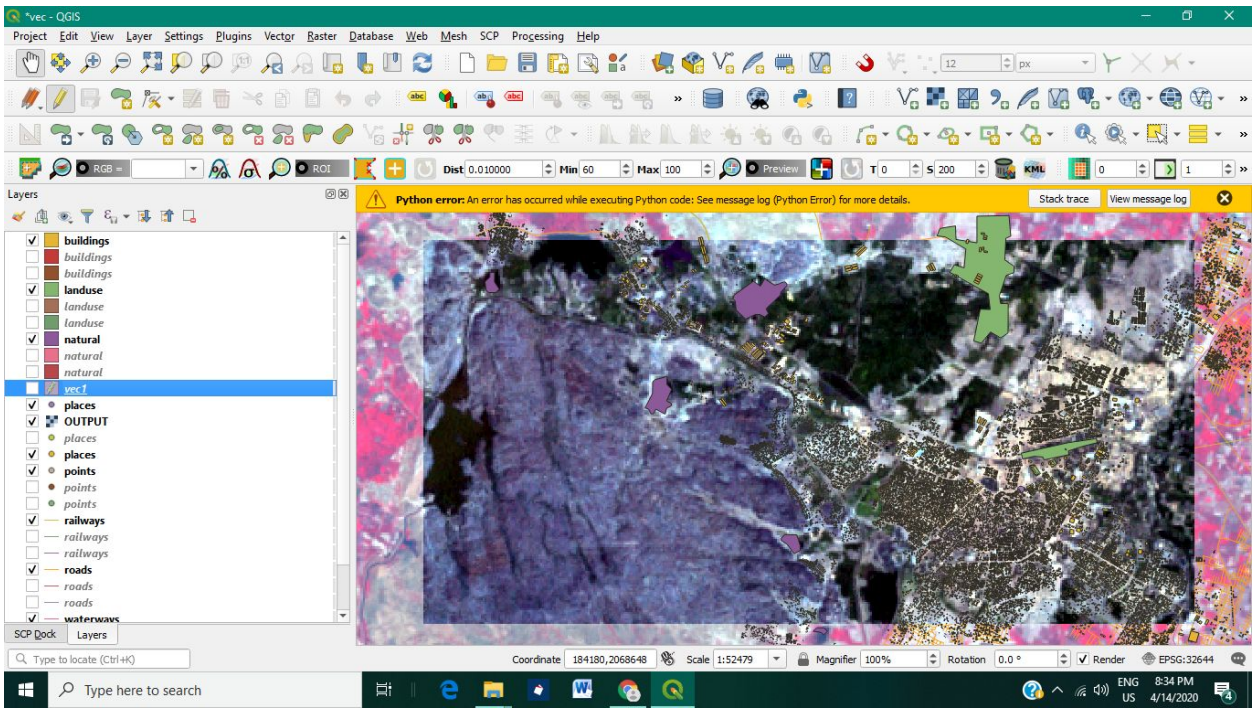




Creating a Rectangular shapefile:

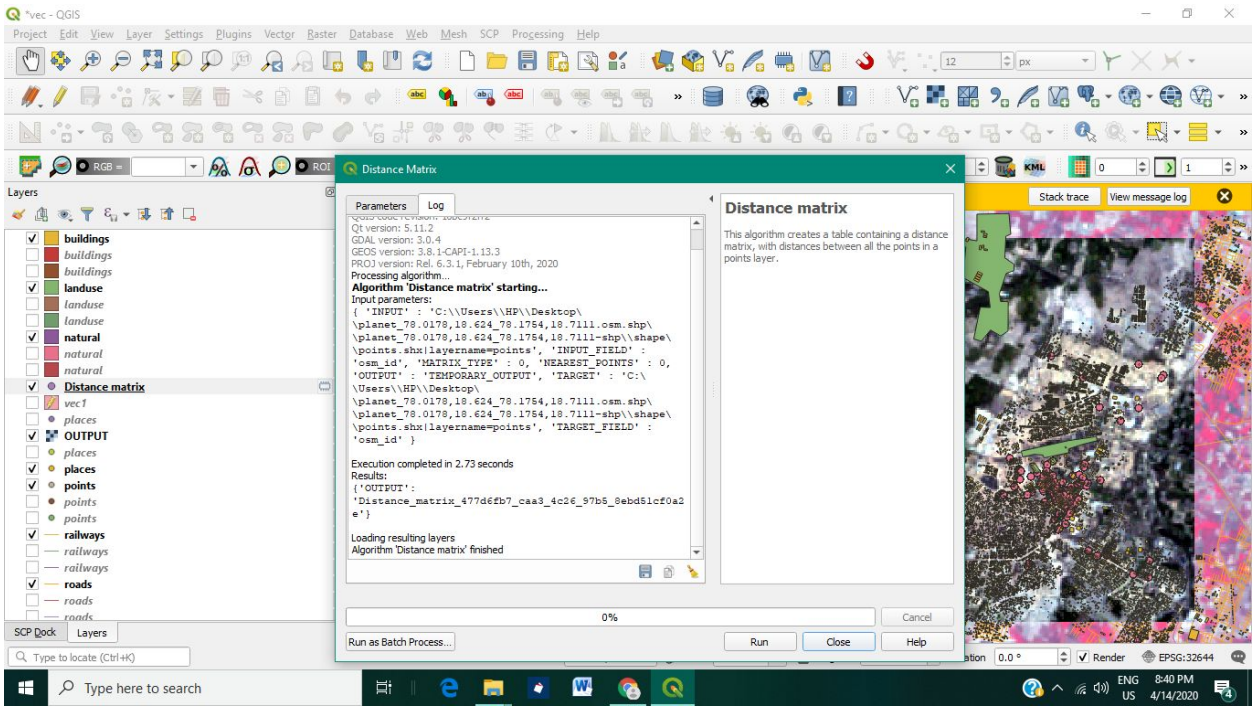


Creating a Mask:

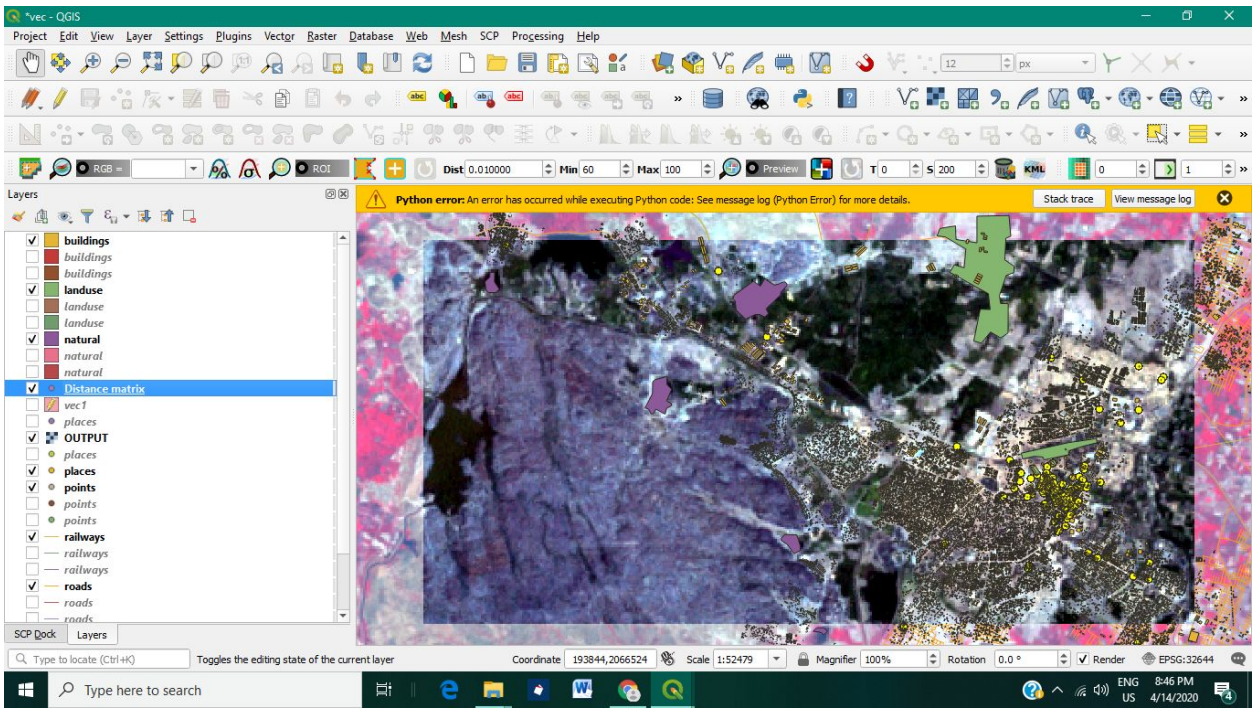


Calculating DIstance Matrix (for points):

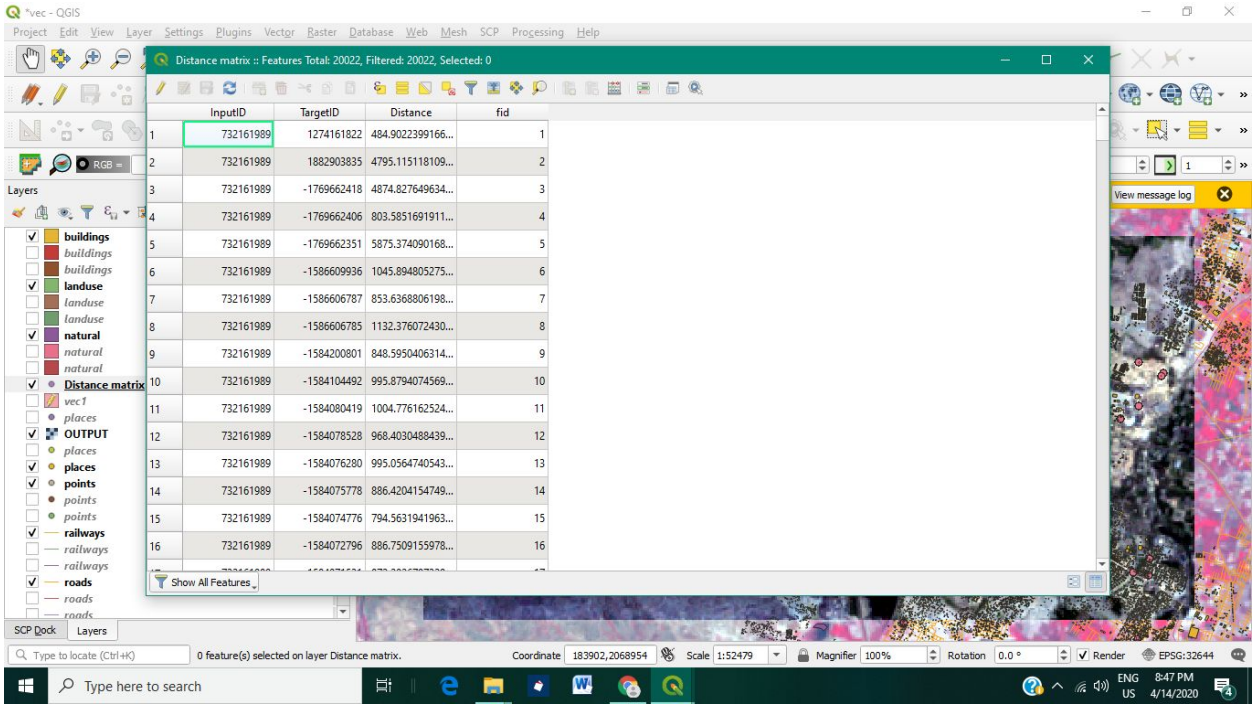
*Note: The shapefile data for Hospitals and Clinics was unavailable in the provided website.



Yellow points - Distance Matrix:



Attributes Table:



Distance Matrix - Pink points: