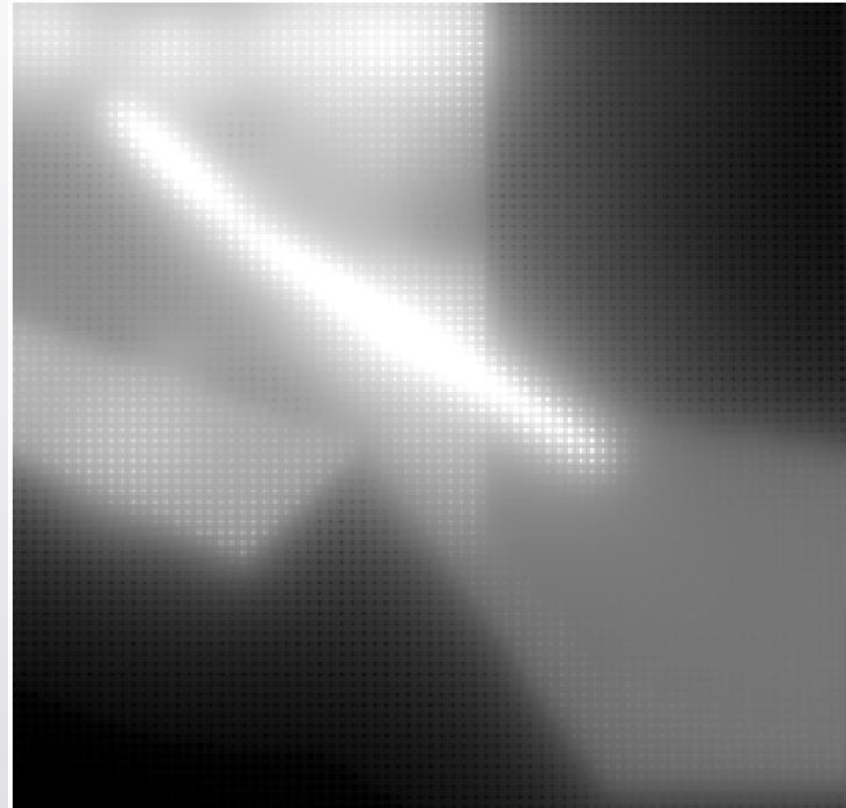
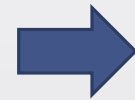
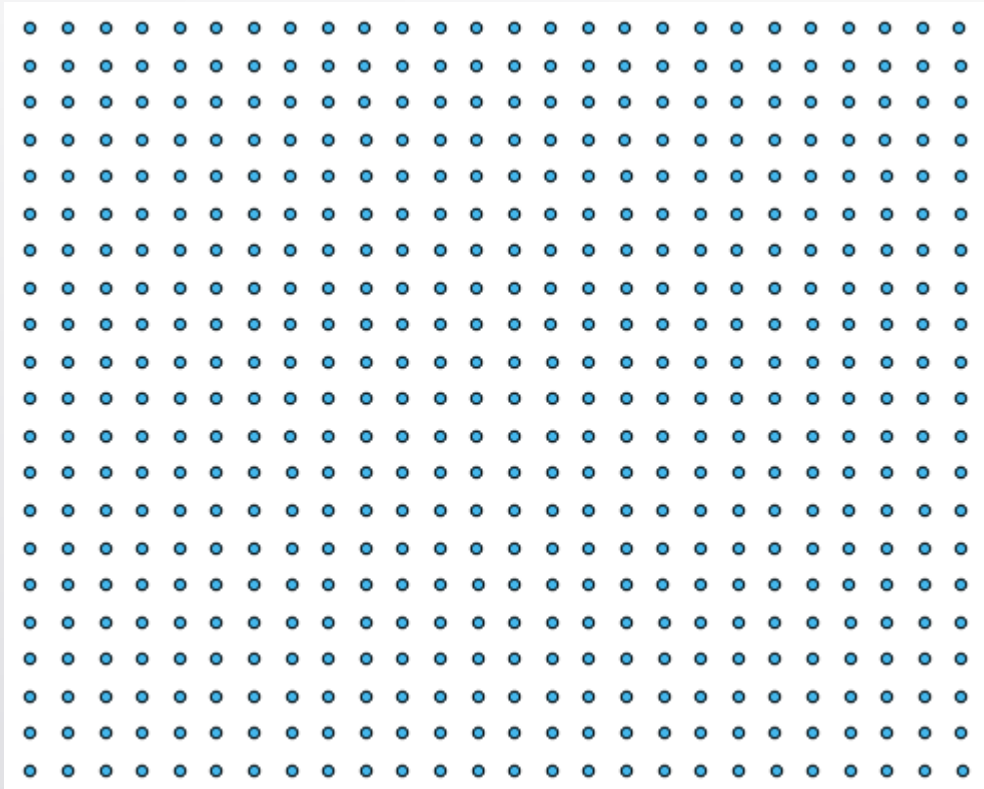




Point Data Interpolation

Point Data Interpolation



//////
Data Needed: Downloaded from <https://earthquake.usgs.gov/earthquakes/>

- Data filename: query.xls
- Data format: table (.xls)
- Data about: Earthquake events

USGS
science for a changing world

Earthquake Hazards Program

Earthquakes

Hazards

Data & Products

Learn

Monitoring

Research


Search...

Search

Earthquakes

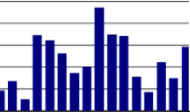
Latest Earthquakes

Latest earthquakes map and list. Tap/click on "gear icon" for options and settings.



Earthquake Lists, Maps and Statistics

Largest earthquakes, significant events, lists and maps by magnitude, by year, or by location.



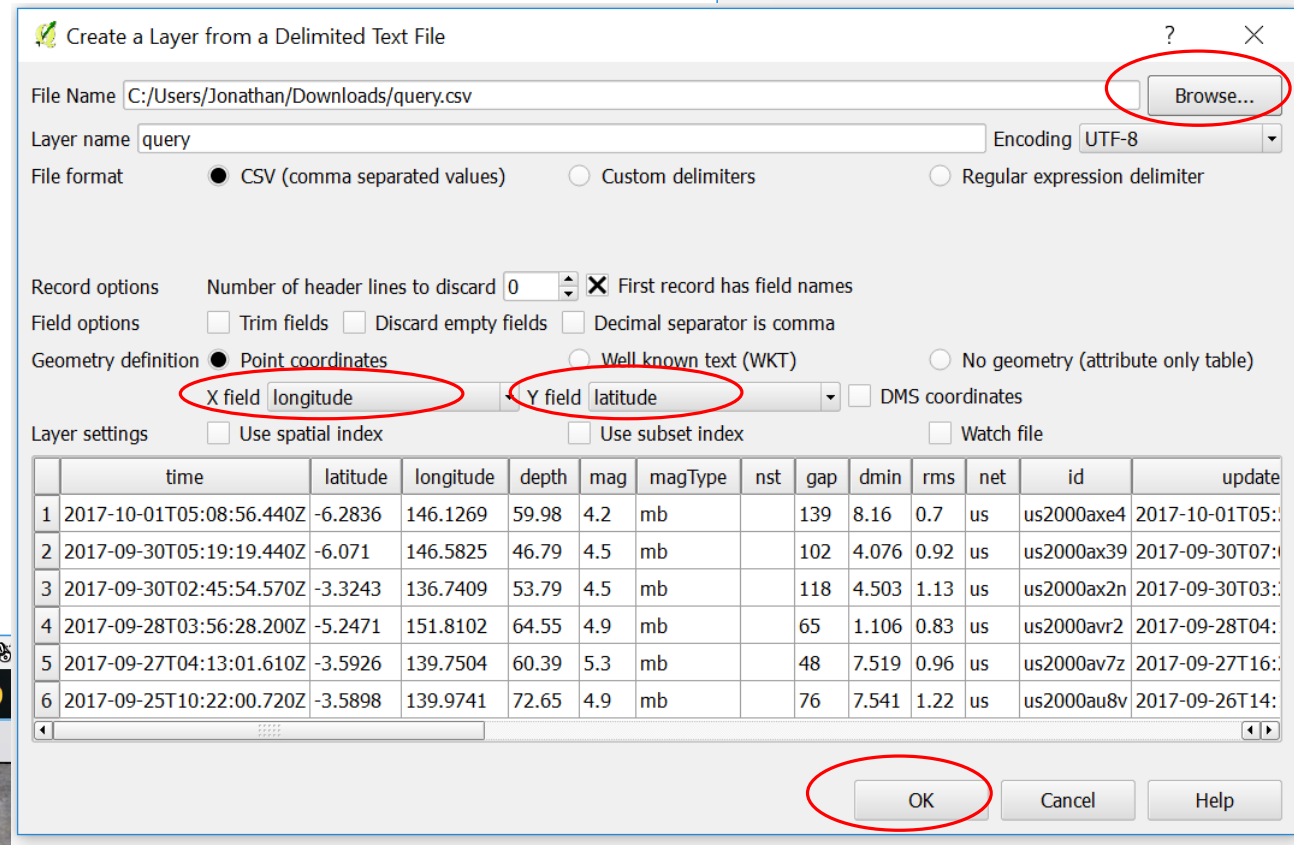
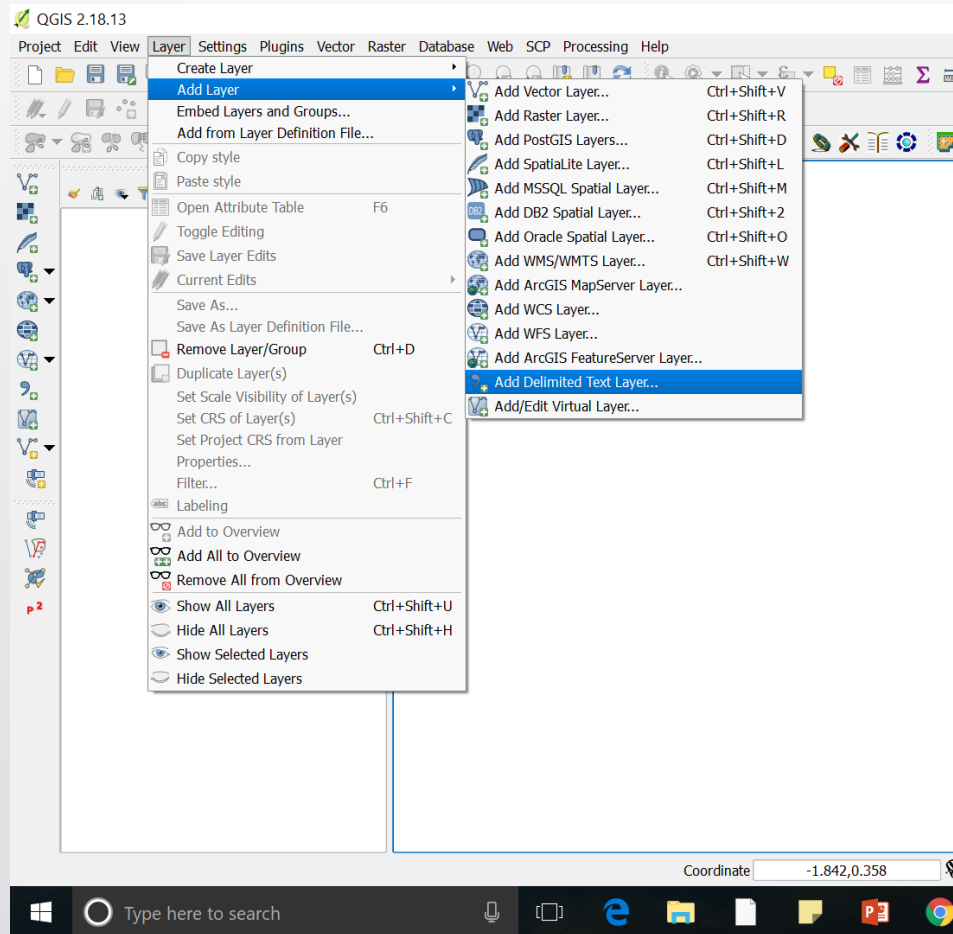
Significant Earthquakes, Past 30 Days

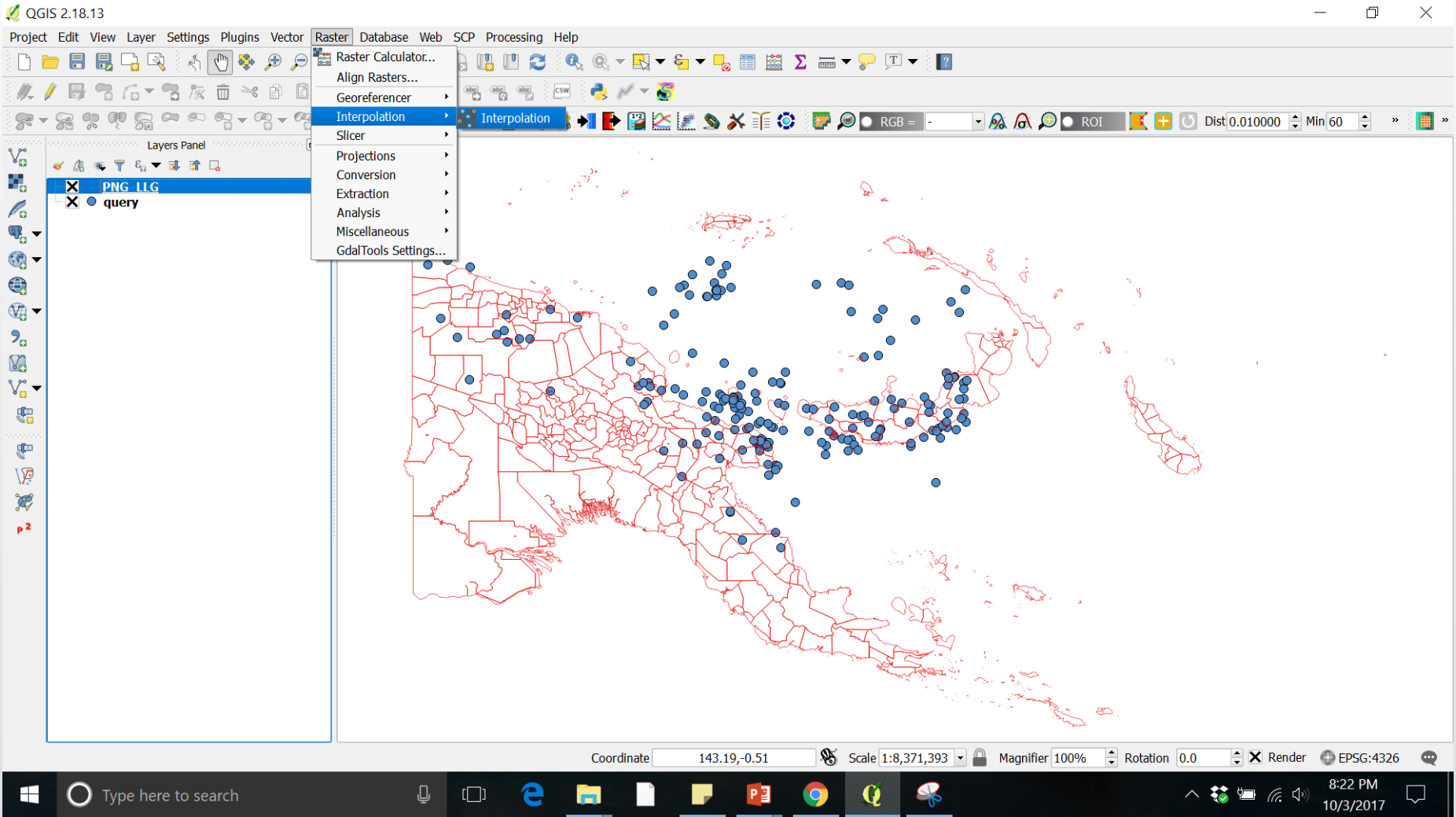
6.4	South of the Fiji Islands	2017-09-26 04:20:00 UTC	98.1 km
6.1	15km SE of Matias Romero, Mexico	2017-09-23 12:53:02 UTC	9.6 km
3.5	22km ENE of Sungjibaegam, North Korea	2017-09-23 08:29:17 UTC	5.0 km
6.4	85km NNW of Isangel, Vanuatu	2017-09-20 20:09:49 UTC	200.2 km
6.1	281km ESE of Kamaishi, Japan	2017-09-20 16:37:16 UTC	10.0 km

Type here to search

8:03 PM
10/3/2017

Add as “Delimited text layer”





Interpolation plugin

Input

Vector layers: query

Interpolation attribute: mag

☐ Use z-Coordinate for interpolation

Add **Remove**

Vector layer	Attribute	Type
query	mag	Points

Output

Interpolation method: Inverse Distance Weighting (IDW)

Number of columns: 300 Number of rows: 300

Cellsize X: 0.03408 Cellsize Y: 0.01816

X min: 141.292 X max: 151.517

Y min: -8.2507 Y max: -2.8029

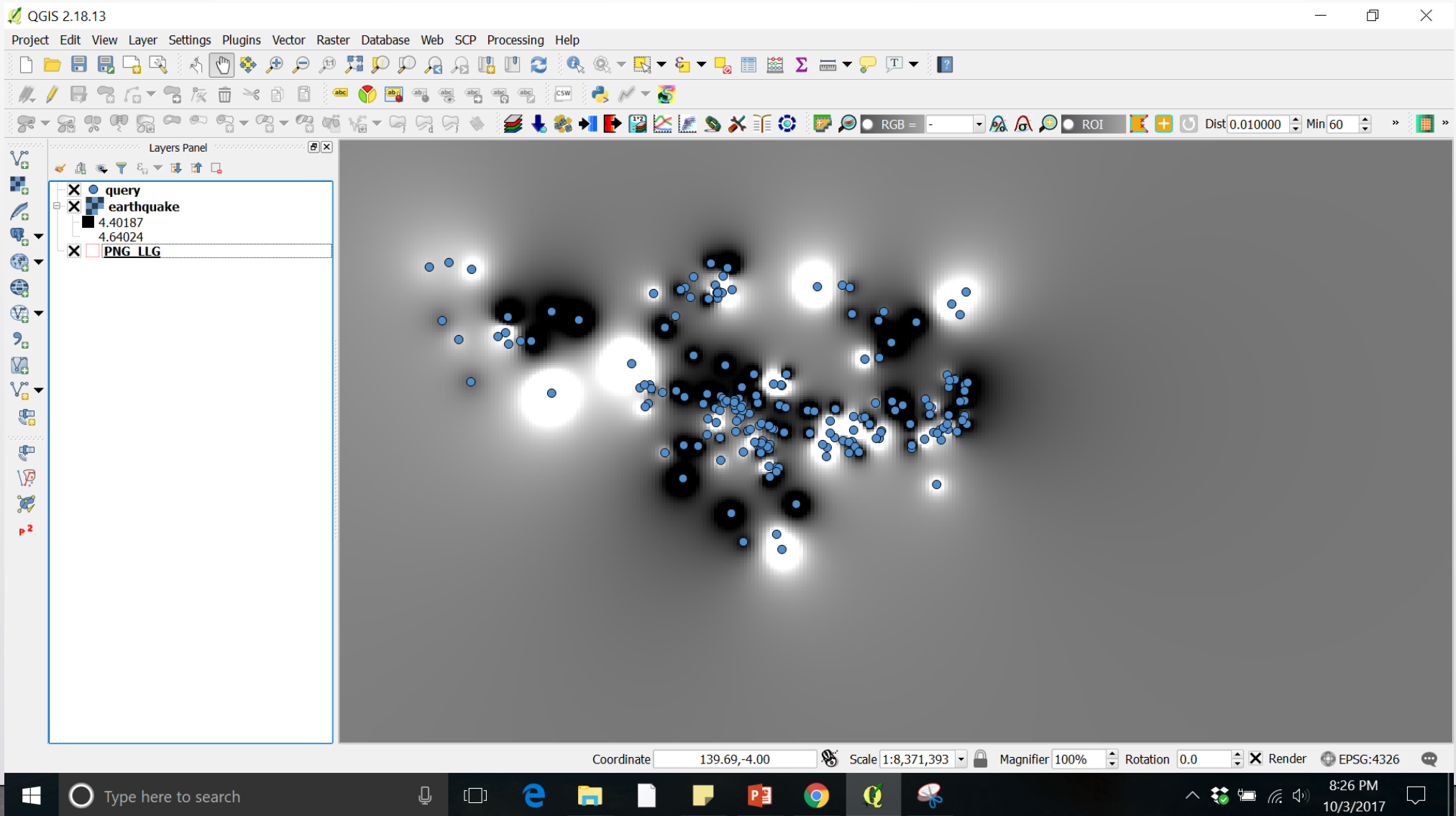
Set to current extent

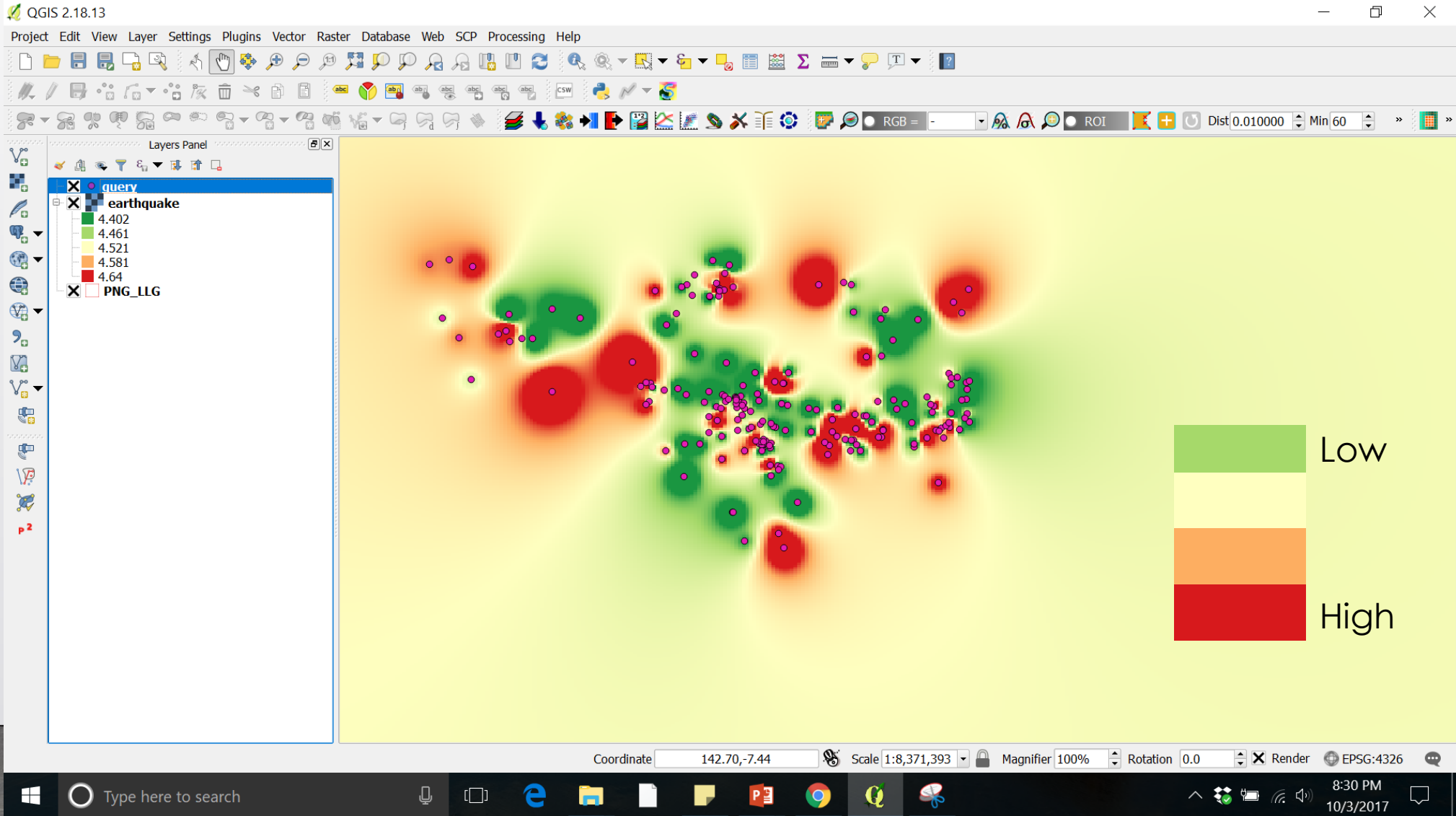
Output file: ...

☒ Add result to project

OK **Cancel**

- Cellsize could be defined in terms of meters if layer is projected (e.g. UTM, Pseudo Mercator, etc.), or in terms of degrees if layer is using Geographic coordinate system (GCS)
- Note that 1 degree = 111120 meters







Thank you