

# Creating Heatmaps

## QGIS Tutorials and Tips



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QGIS 2.0.1-Dufour - This is the first version of QGIS 2.0.1-Dufour. It is a free and open source GIS software. It is designed to be a replacement for ArcGIS. It is a multi-platform GIS software. It is designed to be a replacement for ArcGIS. It is a multi-platform GIS software. It is designed to be a replacement for ArcGIS. It is a multi-platform GIS software.



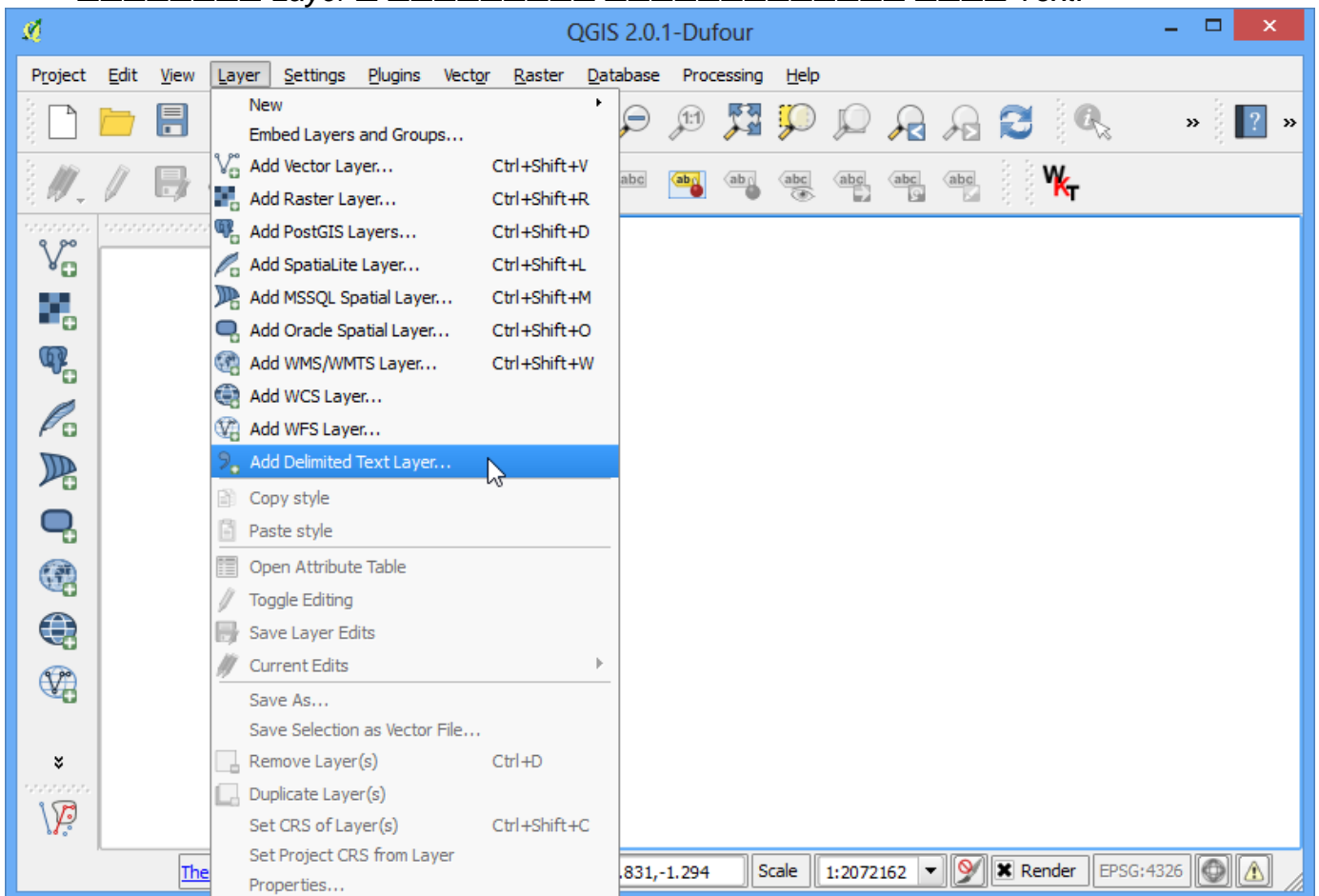
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2. Police-uk-crime-data-surrey.txt CSV (Easting Northing Use OK.

Create a Layer from a Delimited Text File

File Name: C:/Users/ujaval/Downloads/police-uk-crime-data-surrey/police-uk-crime-data-surrey.txt Browse...

Layer name: police-uk-crime-data-surrey Encoding: UTF-8

File format: ☒ CSV (comma separated values) ☐ Custom delimiters ☐ Regular expression delimiter

Record options: Number of header lines to discard: 0 ☒ First record has field names

Field options: ☐ Trim fields ☐ Discard empty fields ☐ Decimal separator is comma

Geometry definition: ☒ Point coordinates ☐ Well known text (WKT) ☐ No geometry (attribute only table)

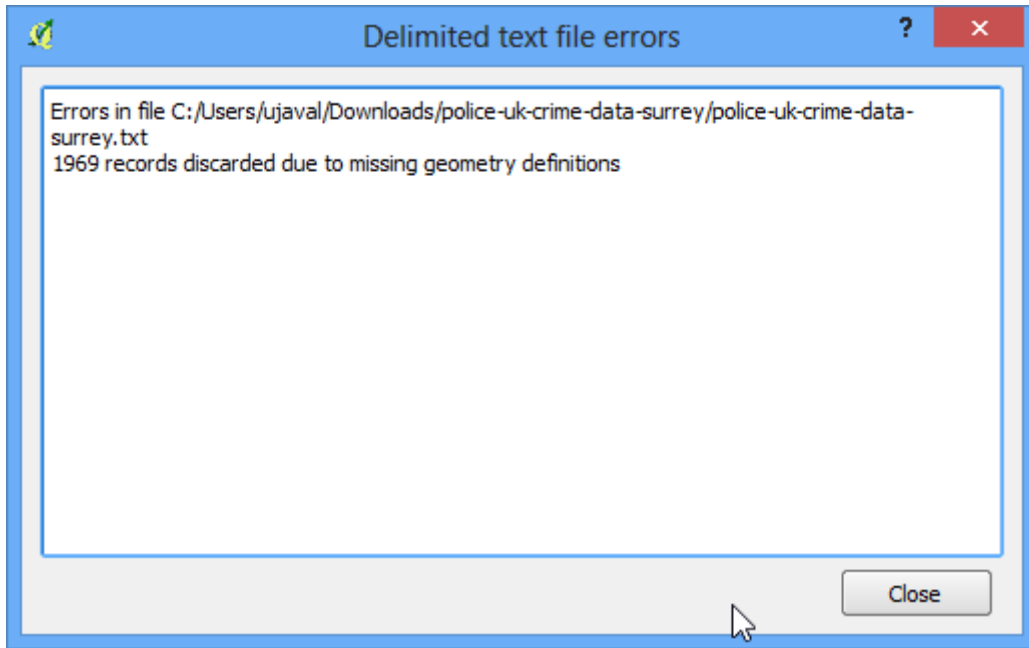
X field: Easting Y field: Northing ☐ DMS coordinates

Layer settings: ☒ Use spatial index ☐ Use subset index ☐ Watch file

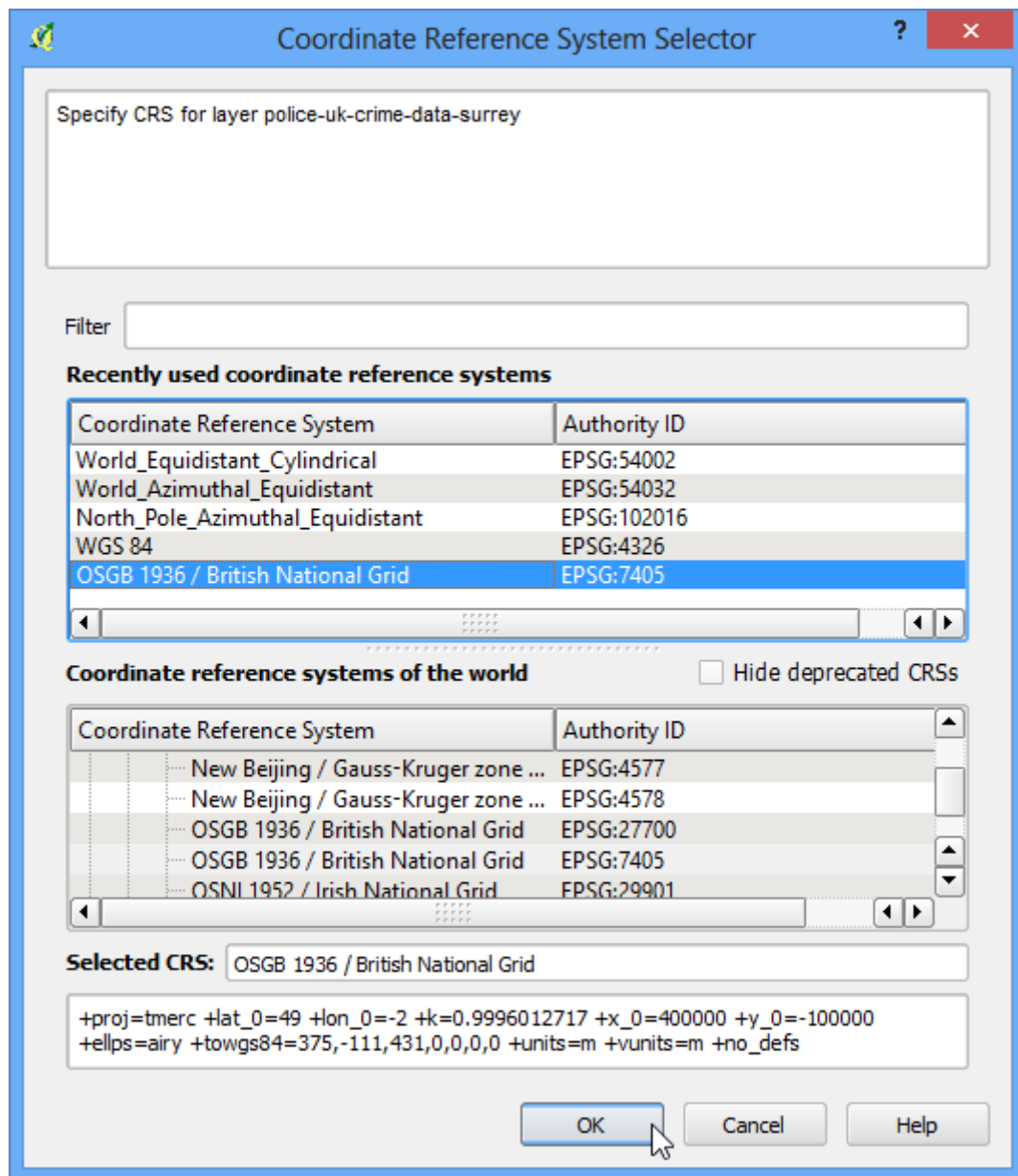
	ID	Month	Reported by	Falls within	Easting	Northing	Location	Crime type	Conte
1	480097	2010-12	Surrey Police	Surrey Police	532773.00	156680.00	On or near Addison Road	Burglary	
2	480098	2010-12	Surrey Police	Surrey Police	498361.00	149806.00	On or near The Oval	Burglary	
3	480099	2010-12	Surrey Police	Surrey Police	498205.00	165251.00	On or near Albury Close	Burglary	
4	480100	2010-12	Surrey Police	Surrey Police	507437.00	174069.00	On or near Sanctuary Road	Burglary	
5	480101	2010-12	Surrey Police	Surrey Police	498205.00	165251.00	On or near Albury Close	Burglary	

OK Cancel Help

3. , Close.

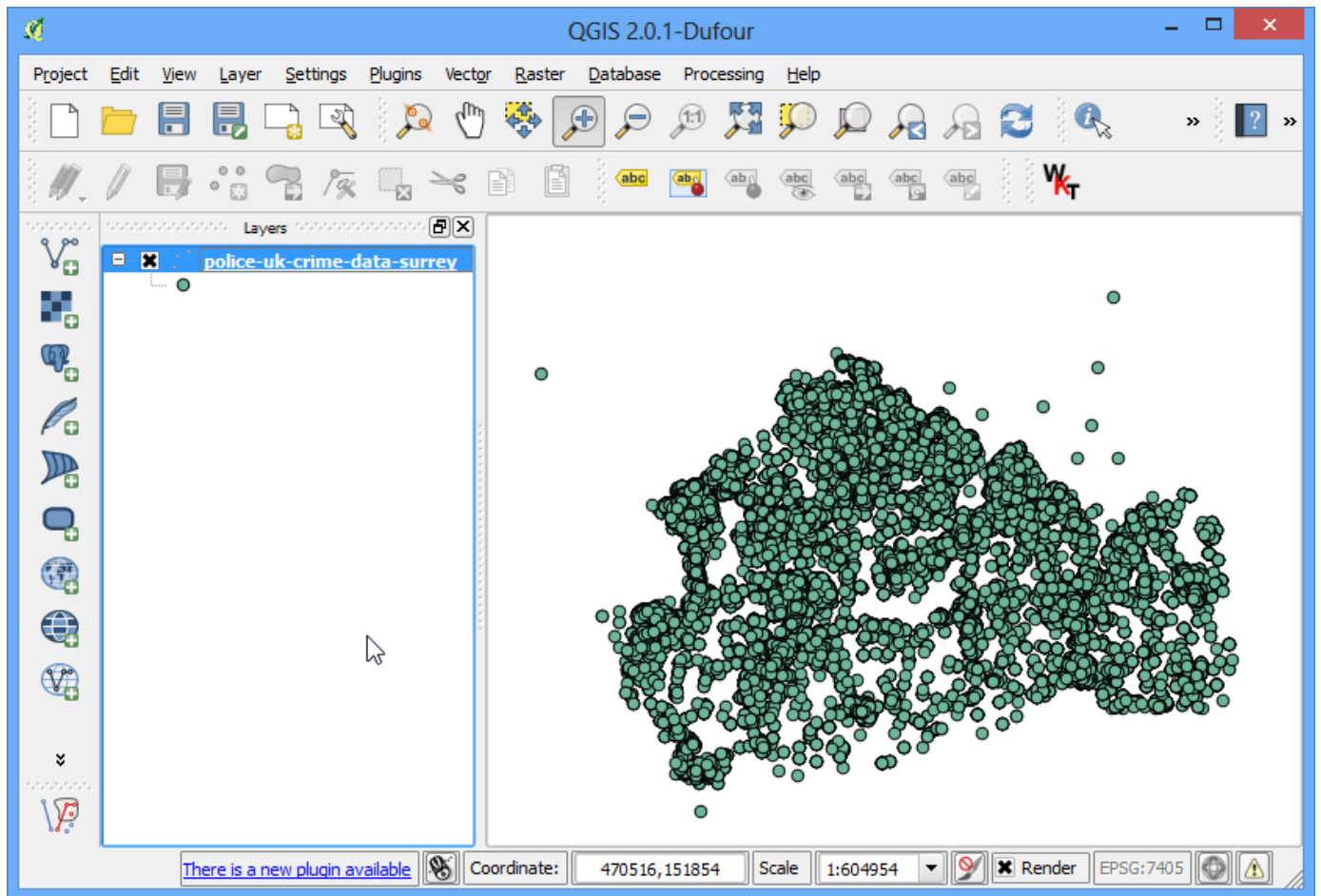


4. **Grid. OSGB 1936 / British** **CRS. OK.**



5. ■■■■■■■■ ■■ ■■■■■■■■ ■■■■■■■■ ■■■■■■■■ ■■■■■■■■■■■■■■■■ ■■ QGIS.





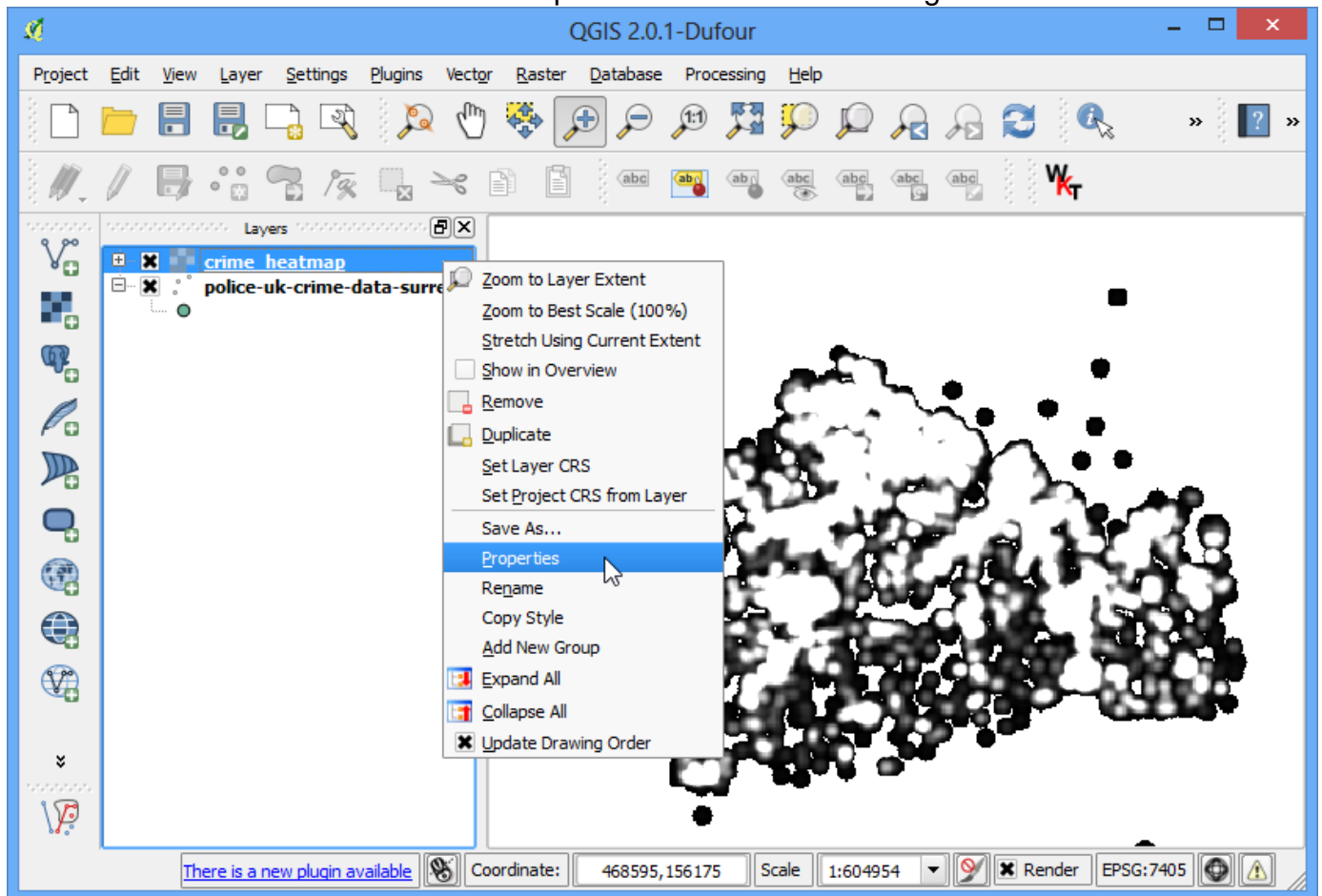
7. ■■■■■■ ■■■■■■■■ heatmap, ■■■■ ■■■■■■ ■■■■■■■■■■ ■■■■■■■■■■  
 ■■■■■■■■■■ ■■■■■■■■■■, ■■■■■■■■■■ *Heatmap*. ■■■■■■■■■■  
 ■■■■■■■■■■ ■■■■■■■■■■ ■■■■■■■■■■ ■■■■■■■■■■, ■■■  
 ■■■■■■■■■■ ■■■■■■■■■■ ■■■■■■■■■■ ■■■■■■■■■■. ■■■■ ■■■■■■ ■■  
 ■■■■■■■■■■ ■■■■■■■■■■ ■■■■■■■■■■, ■■■■ ■ *Raster* ■ *Heatmap* ■  
*Heatmap*.





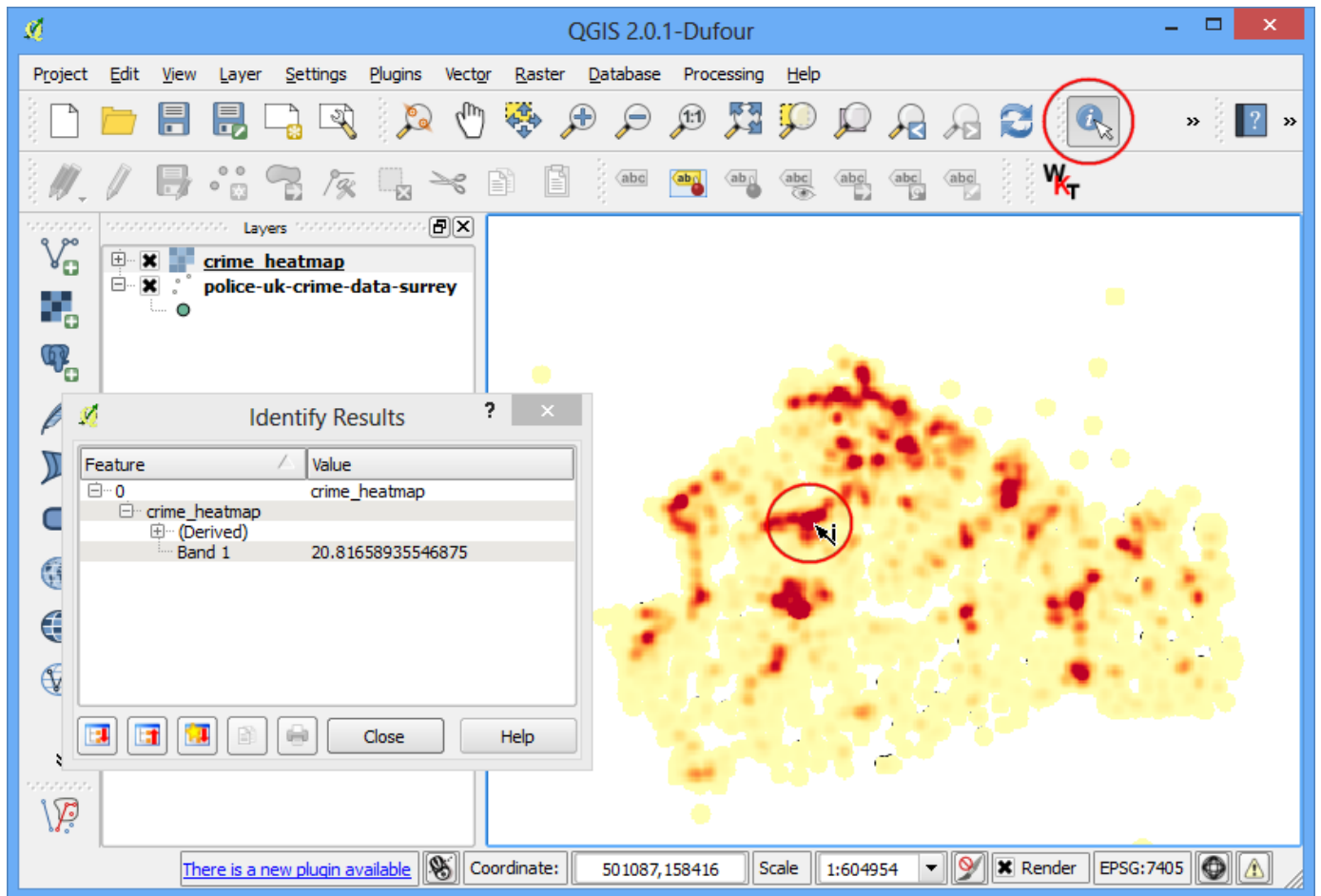


10. `heatmap` `heatmap`, `heatmap`, `heatmap` : `guiabel:`.



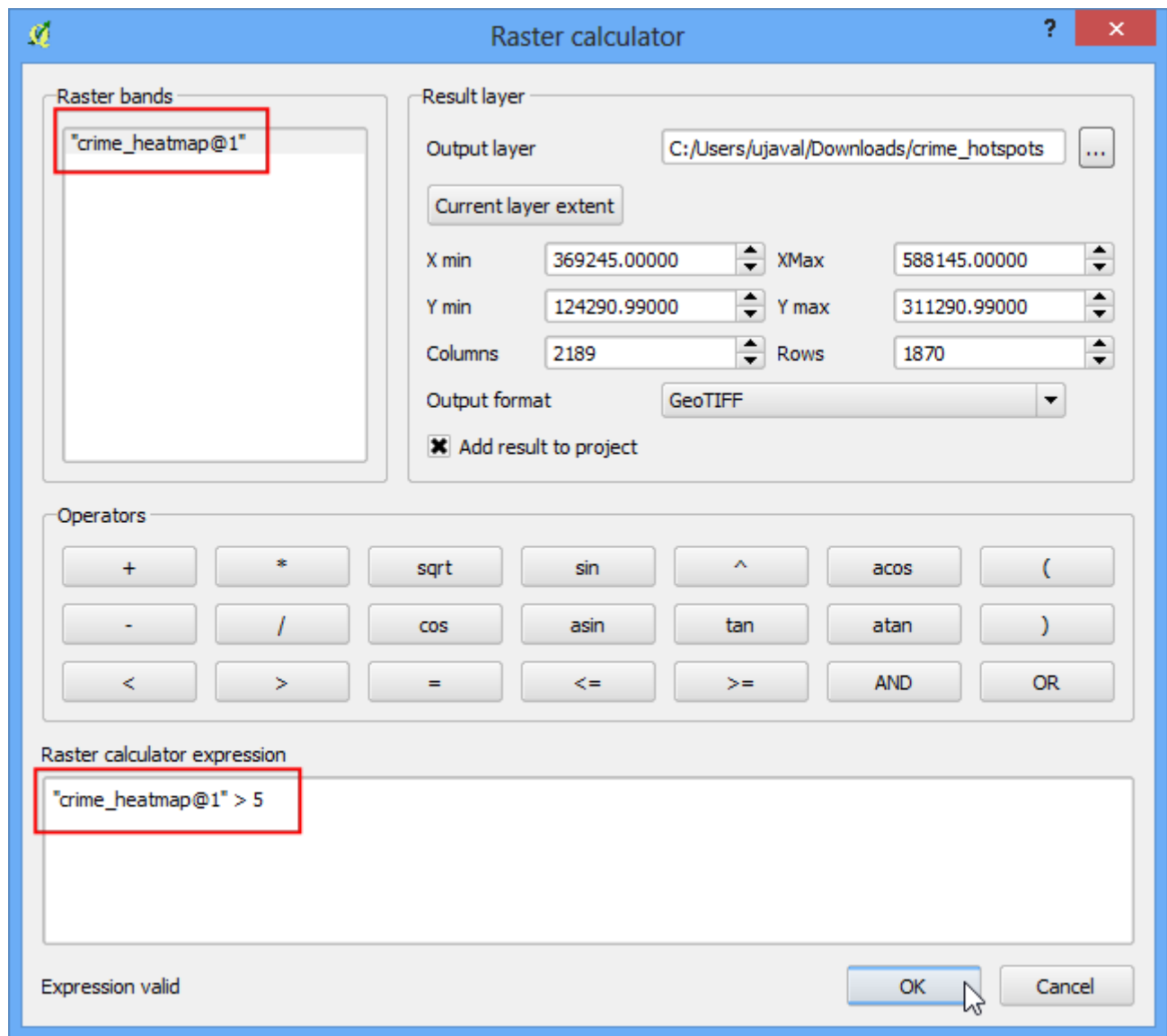
11. `Style`, `Singleband pseudocolor` `Render`. `Load min/`, `Actual` (`Accuracy`) `Load`. `heatmap` `Generate` `YIOrrd` (`Yellow-orange`) `Classify`. `OK`.



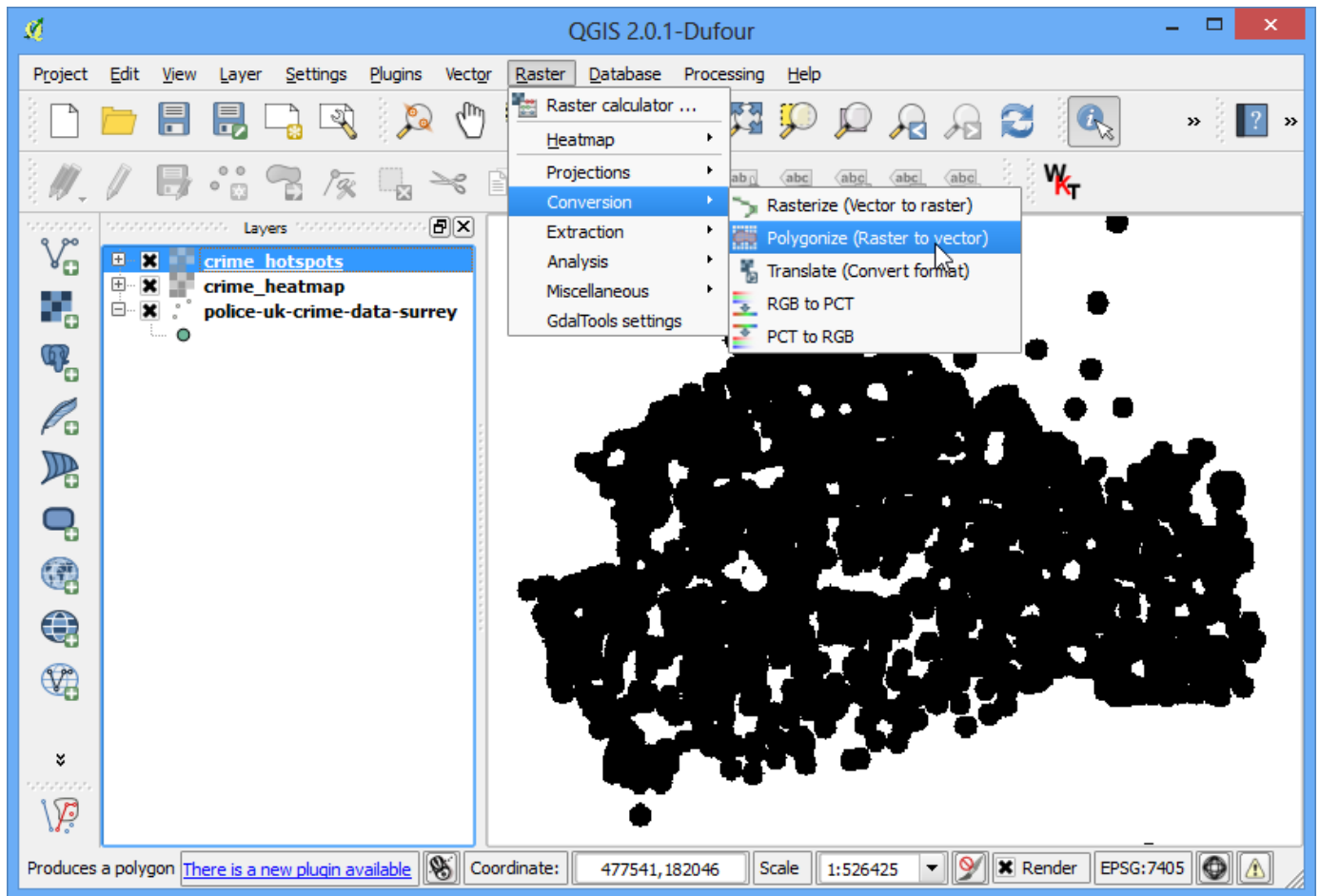


13. **Heatmap** is a visualization of the density of points in a vector layer. It is created by the 'Heatmap' tool in the Processing toolbox. The tool takes a vector layer as input and produces a heatmap as output. The heatmap is a raster representation of the point density, where the color intensity indicates the density of points. The 'Heatmap' tool is located in the Processing toolbox under the 'Raster' menu.

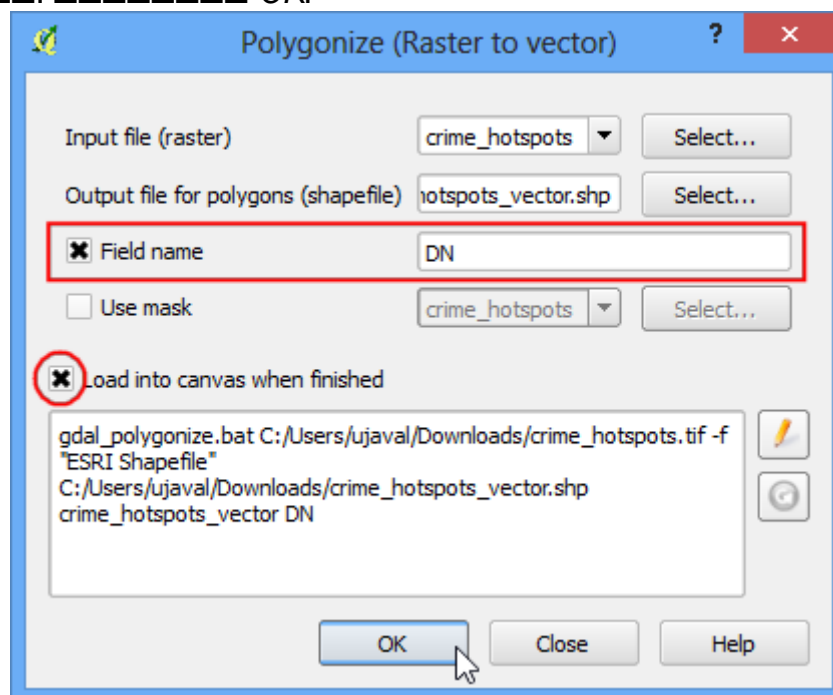




15. ■■■■■■ ■■■■■■ ■■■■■■ ■■■■■■■■■■ QGIS. ■■■■■■ ■■■■■■ ■■■■■■ ■■■■■■■■■■ ■■■■■■■■■■■■■■■■■■ ■■■■ 0, ■■■■ 1. ■■■■ ■■■■■■■■■■ ■■■■ ■■■■■■■■■■ ■■■■■■■■■■, ■■■■ ■■■■■■■■■■ ■■■■■■■■■■ ■■■■ ■■■■■■■■■■, ■■■■ 5 ■■■■■■■■■■ ■■■■■■■■■■ 1 ■■■■ remianing ■■■■■■■■■■ ■■■■■■■■■■ 0. ■■■■■■■■■■ ■■■■ *Raster* ■■■■■■■■■■ ■■■■ *Polygonize* (■■■■■■■ ■■■■■■■■■■).

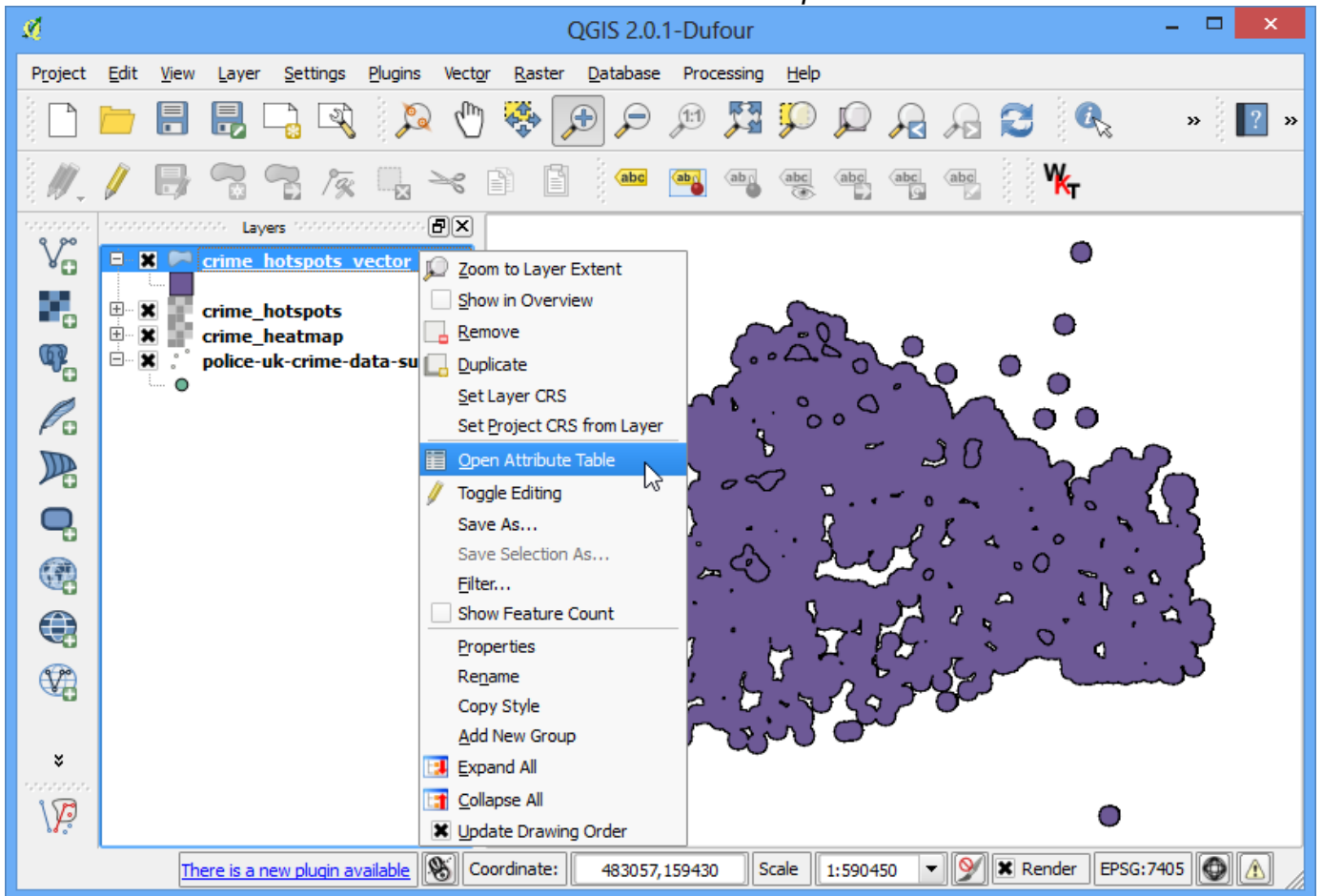


16. Click on the **Field** checkbox and enter **DN** in the **Load** field, then click **OK**.



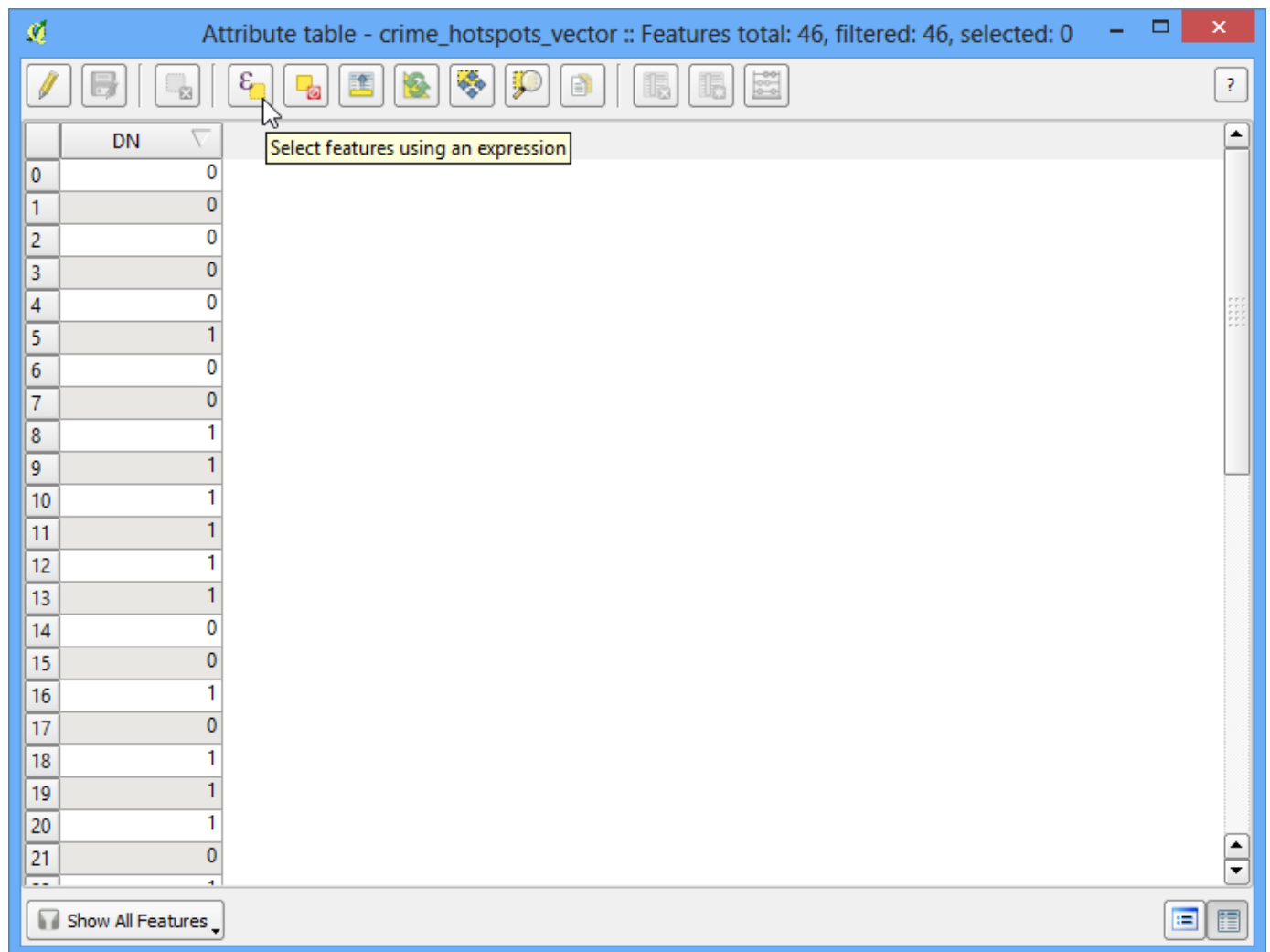
17. Click on the **filter** dropdown menu and select **0**, then click **1** in the **filter** dropdown menu.

....., ..... Open .....

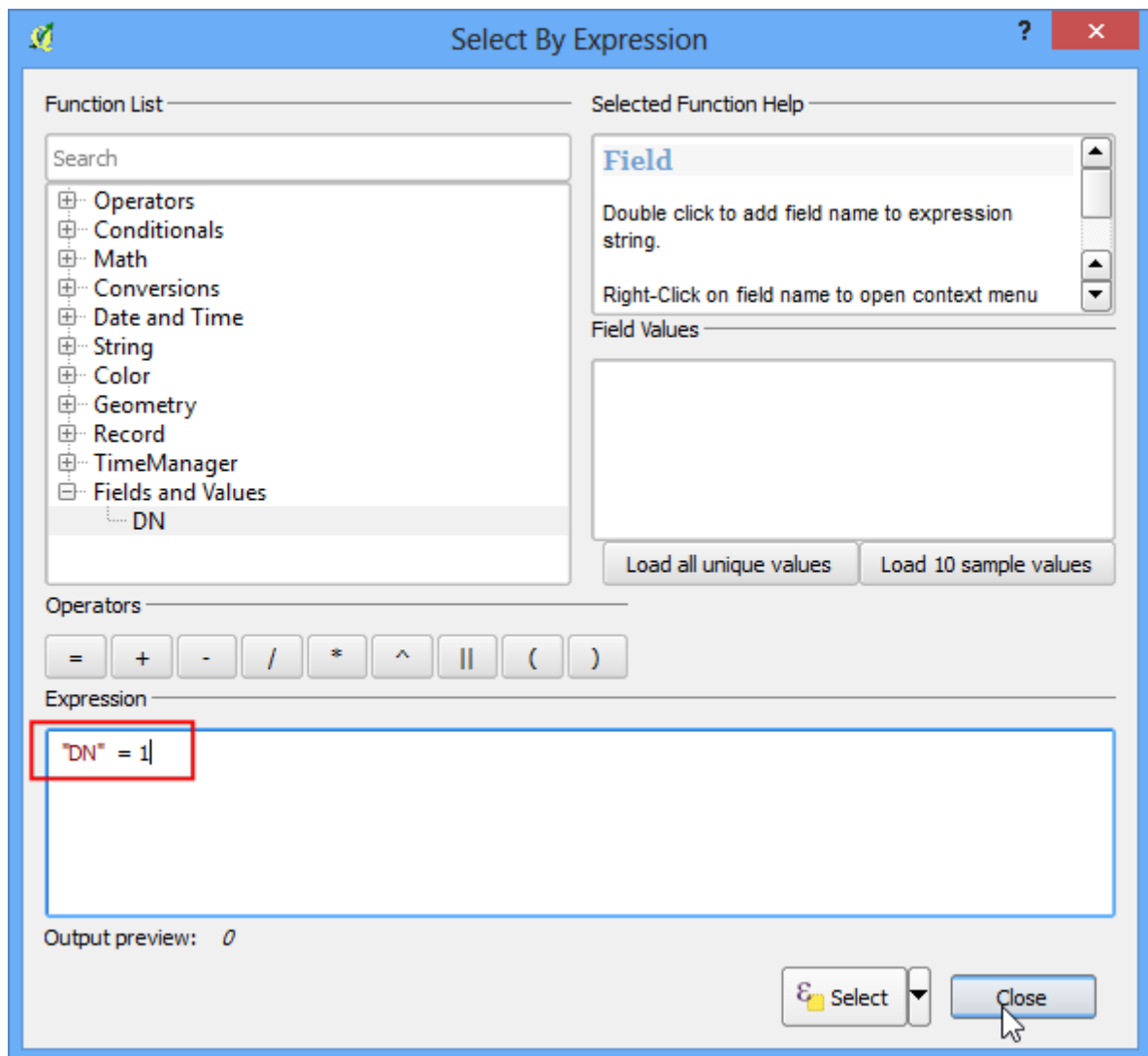


18. .... Select .....

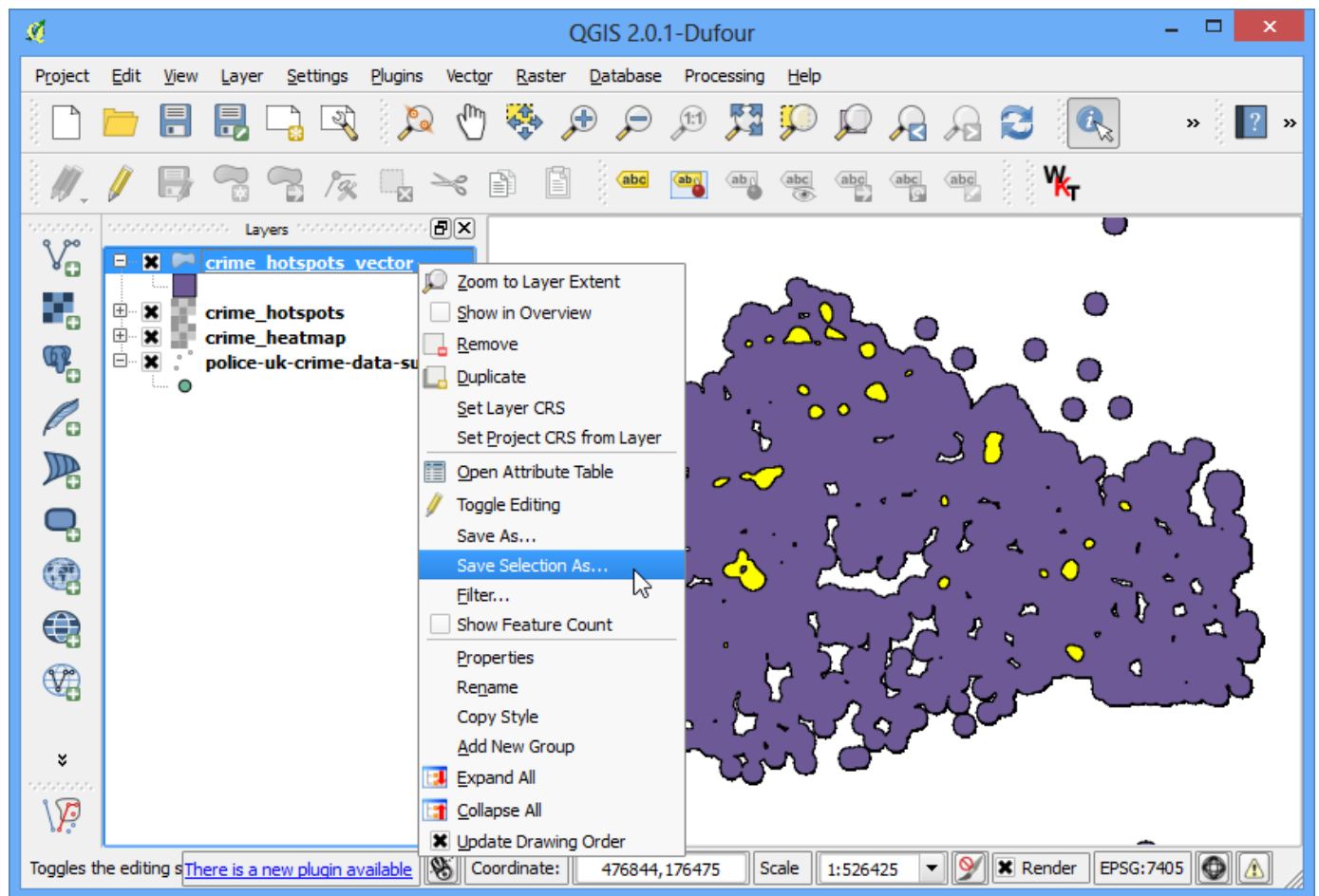




19. ■■■■■■■■ ■■■■■■■■■■, ■■■■ "■■■■■■■■■■■■■■■■■■■■ ■■■■" = 1 ■ ■■■■■■■■ ■■■■■■■■■■. ■■■■■■, ■■■■■■■■■■ ■■ ■■■■■■■■.



- [illegible]



21. ■■■■■■■■■■ output ■■■■ ■■■■ *crime\_clusters*. ■■■■■■■■■■ ■■■■■■■■■■ ■■■■■■■■■■  
 Add ■■■■■■■■■■ ■■■■, ■■■■■■ ■■■■■■■■■■ ■■ ■■■■■■ ■■■■■■■■■■ OK.



