

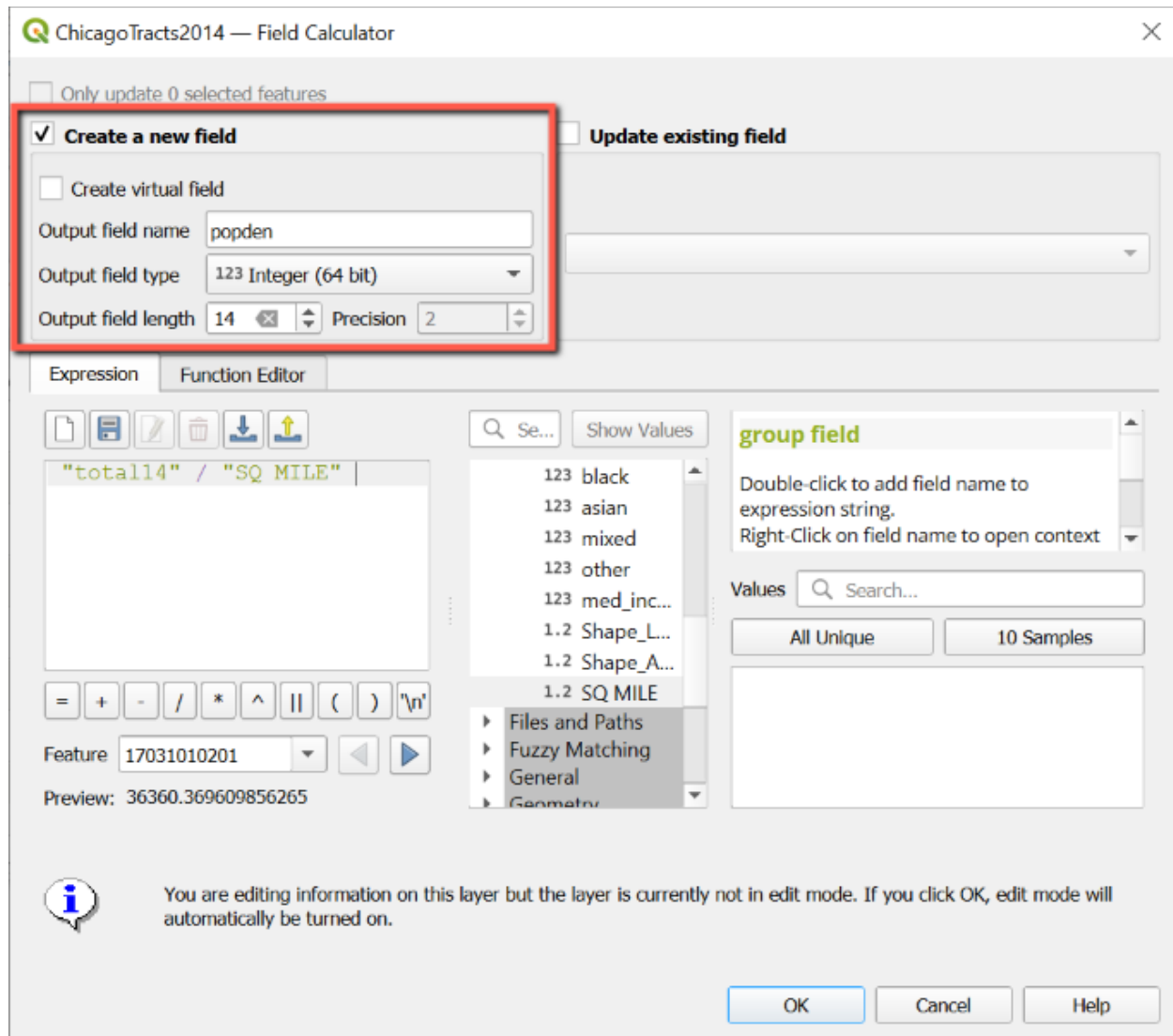




## Use QGIS Field Calculator: Calculate Population Density

- If necessary, open **QGIS Desktop** and add the vector layer.
- In the Layers Panel, right-click the layer and select **Open Attribute Table**. To calculate population density, ensure that the area field has already been calculated.
- In the Attribute Table, click on the **Toggle editing mode** button .
- Then click on the **Open field calculator** button .
- Now, we are about to create a new field to calculate population density using the values from **total14** (total 2014 population) and **SQ MILE** (total area measured in square mile). In the Field Calculator window, make the following changes:
  - Check the box next to **Create a new field** (we will create a new field to hold the population density values)
  - Set the Output field name as **popden** (this is the name of the new field)
  - Set the Output field type as **Integer** (the data type of the new field)
  - Set Output field width as **14 (total number of digits)**
  - Enter the Expression to calculate **"total14" / "SQ MILE"**. You can double-click the field name from the **Fields and Values** section to add a field. And you may complete the rest of the expression using your keyboard.
  - Click **OK** to calculate the population density field.



- Click on the **Save Edits** button . Then click on the **Toggle editing mode** button  again to exit the editing mode. Then close the attribute table.