

## Using eMap PA to determine Environmental Justice (EJ) Areas

eMap is DEPs geographic information system that allows a user to look at specific information layed out on a map of PA and offers you the ability to overlay it with other data, zoom in and out to a specific area and other functions that are highlight when you move the cursor over the symbol at the top, a box pops up that indicates what the function of that tool is. The following instructions will help you to display and use information for identifying an EJ Area.

1. To launch the eMap PA application, click on the link below:  
<http://www.emappa.dep.state.pa.us/emappa/viewer.htm>
  - a. The application can also be launched by clicking on the “Subjects” logo on the left side of the department’s homepage (<http://www.dep.state.pa.us>). This will take you to the Information by Subject page. Select the GIS Digital Geographic Information selection and this will take you to the geographic information systems website, from that page, select eMap PA from the left hand choices.
2. To display the environmental justice information on the map, click on the folder icon next to “Cultural & Demographic” on the left side of your screen.
3. A list of options should appear, including Census Tracts, Cities, Environmental Justice Areas, etc. A green box before it designates the Environmental Justice Area.
4. To display the environmental justice areas on the map, click on the “Refresh Map” button located at the bottom of the left section of the program in the blue area. This will display (in green) all areas that meet either the
5. The map on the right should now refresh and display the information. The green represents the census tracts that meet the threshold set for environmental justice areas.
6. To Zoom into a specific area, make sure that the icon toward the top of the screen resembles a magnifying glass with a “+” in the center. Once that icon is selected (outlined in red), click on the area you would like to zoom to. The map will then refresh.
  - a. To zoom out, click on the magnifying glass with the “-“ in the center and follow the same steps as zooming in.
7. Once you have zoomed into the level you would like, you can now gather additional information on the EJ area selected. From here, there the instructions guide you if you want to get more specific about the information you’re looking at.

8. You can find this information by clicking on the gray circle next to the box that you checked to display the EJ information. Once this circle is clicked, a message should appear stating that it is now the active layer.
9. Now click on the icon resembling a black circle with an “i” in the center. This icon is found above the map section (bottom row, first button from the left). This is the active layer tool. Selecting this tool and clicking on an EJ area highlighted on the map will provide you with additional information such as the exact percentage of minorities in the selected area.
10. Several other tools are useful in determining the applicability of the environmental justice policy is the measuring and address location tool.
  - a. The address location tool is located on the lower row of icons. It is the icon resembling an envelope with a point sticking out (bottom row, eighth from left). Simply fill in the spaces in the pop-up window that appears and a point will be displayed on the map. You can either pinpoint an exact address or just inquire about a zip code area.
  - b. The measurement tool is located in the top row of icons. It is the icon resembling a ruler with a “?” above. (Eighth from left) This will allow the user to measure between two points by clicking on locations on the map.

To locate a place by name, follow these instructions:

- a. Find the bottom, left-hand corner of eMapPA where the "Refresh Map" button is located.
- b. If necessary, change the dropdown list that defaults to "Scale" to "PA Search".
- c. Click the "Go" button. A new window will appear.
- d. Choose "Place Name Search" from the dropdown list.
- e. Type the city name, or initial characters of the city name, in the text box provided.
- f. Click the "Submit Query" button.
- g. When the results are displayed, click the hyperlinked number to zoom to the respective area.

More instructions can be found within the *Help* on eMapPA. Under "Other Functionality" in the navigation bar, choose "PA Search".