



EnviroAtlas
people health nature economy
www.epa.gov/enviroatlas

EnviroAtlas Webquest

An online introduction to the EPA EnviroAtlas tool.

- A. Go to the EnviroAtlas Website:
<https://www.epa.gov/enviroatlas>
- B. Scroll down and click on “EnviroAtlas Interactive Map.”
- C. From this page, click on the image of the map as shown in Figure 1.
- D. From the map opening screen, click on the button that says “Explore: Discover data on my own.”
- E. In the search bar next to the magnifying glass where it says “Find address or place,” type in an address or location of interest within the United States.
- F. The map will zoom to your location and have a little box that pops up that says, “Search Result.” It looks like the example (Figure 2). Click on the three dots.

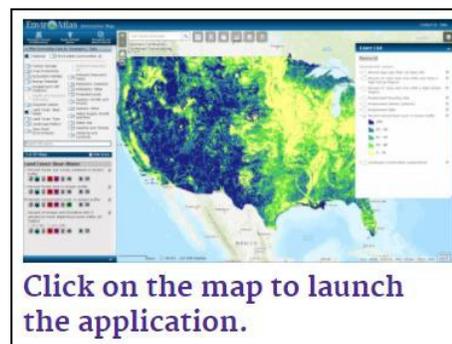


Figure 1. Screenshot of the map launch button.

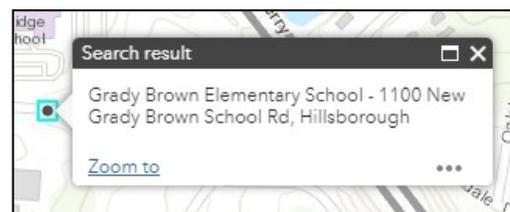


Figure 2. Screenshot of "Search result" box for a selected school.

- G. Click the + sign that says “Add a Marker.”
- H. At the top of the map screen, click on the box that looks like 4 squares inside of a circle (Figure 3). This will let you change your basemap. Choose “Bing Maps Hybrid.” Click the x to close the menu.
- I. Along the left side panel, select the “Weather and Climate” topic bar.
- J. Check the box next to where it says, “Average annual precipitation (inches/yr).”
- K. You will see the map appear and the “Layer List” pop up to the right. Click the name of the layer (in this case, “Average annual precipitation (inches/yr)”) to show the Legend.



Figure 3. Change basemap icon.

- L. **Zoom out** until you can see some differences across the state and the entire country. **Using the Map Legend**, compare the area around your location to the rest of the State and country.

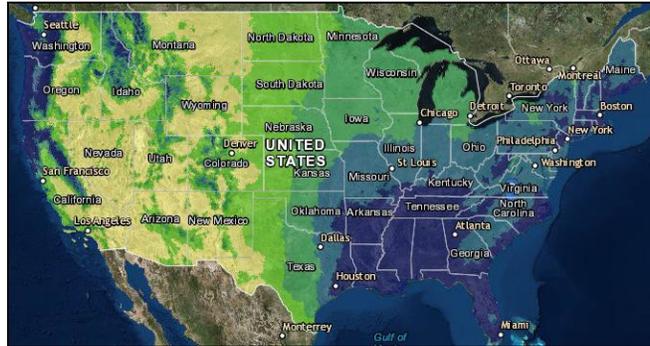


Figure 4. Screenshot of EnviroAtlas map displaying "Average annual precipitation (inches/yr)."

Consider the following questions:

- Does your location get more or less average annual precipitation (rain) than the rest of the country?
- How have you seen this impacting your area, if at all?

- M. To read more about this map layer, **click on the "i"** on the left-hand side of the screen next to the name of the map layer. Optional: **Open and read** the Fact Sheet.

- N. To turn off the layer, go into the Layer List (icon shown in Figure 5) and uncheck the box next to the layer name.



Figure 5. Layer List icon.

- O. **Explore other maps and other Interactive Map features.** First, find another layer that interests you or relates to your work.

- **Name of new Layer that you chose #1:** _____
- **Interesting Fact about layer #1:** _____

- For more interactive visuals and guidance, **explore the EnviroAtlas Tutorials page** here: <https://www.epa.gov/enviroatlas/tutorials>
 - **Interactive StoryMap Tutorial:** <https://epa.maps.arcgis.com/apps/MapSeries/index.html?appid=6b4cfde35a144c20a1ac61898dc5dae3>
 - **Quick, 30-second click-through tutorial videos in the Tutorial Video Library:** <https://epa.maps.arcgis.com/apps/MapJournal/index.html?appid=c9016dba6b304eec974c1dd4611e9775>

- P. Looking to connect your map explorations to human health outcomes? **Check out the EnviroAtlas Eco-Health Relationship Browser:** https://enviroatlas.epa.gov/enviroatlas/Tools/EcoHealth_RelationshipBrowser/index.html