Part_1: You are to use the Bloomington City Interactive GIS Map (http://map.bloomington.in.gov) to answer the following five questions. Use the Windows_7 Snipping Tool (found in the Accessories folder) or equivalent method to capture a map image that supports your answer to each of the following questions.

A. How many city council districts contain parts of the IU Bloomington campus?
   a. There are 4 districts on campus.

   ![Map Image]

   b.

B. What street lies along the southern-most boundary of the Downtown Commercial district?
   a. W. Dodds St.

   ![Map Image]

   b.

C. What is the name of the largest body of water in the city limits?
   a. Griffey Lake is the largest body of water within city limits
D. How many fire hydrants are located on SPEA’s block?
   a. There are 4 hydrants

E. According to this map, what neighborhood is home to Nick’s?
   a. Old Northeast Neighborhood

Part 2: You are to use the Monroe County GIS Map (http://monroeegis.39dn.com/#) to answer the following five questions. Use the Windows_7 Snipping Tool (found in the Accessories folder) or
A. How many County Council Districts are depicted on the GIS Map? Which is the smallest district geographically?
   a. There are 4 districts depicted, District 4 being the smallest geographically

B. Professor Usrey and family live at 4293 E. Farr Rd. Who are the owners of the property adjacent to the Usreys?
   a. The Vadas are the owners of the adjacent property

C. What is the tax bill for parcel: 53-02-25-100-008.000-017? What is the land-use type for this parcel?
   a. The total annual tax bill is $536.94
   b. The land use types include 11, 13, 4, 5, 6, 72, 82 Tillable land, Non-tillable Land, Woodland, Fether Farmland – Pond, and Agricultural Support- Public Road
What is the size (acres) of the Ivy Tech campus?
   a. 29.83 legal acres

What are the top three (by geographic size) land-use types in Monroe County?
   a. The top three land use types are forest, tillable, and non-tillable land
Part 3: Using the GIS_Intro_ITT.docx tutorial guide (from Canvas and Lab), complete the tutorial and then:

Using what you have learned, complete the following assignment. Be sure that the deliverable map you produce is useful. Give it a detailed title, more than simply “Indiana.” Pay special attention to which layers you include in the legend, the size of the legend and scale bar, and the placement of all map objects.

Using GIS map data from http://maps.indiana.edu, create a map similar to the one created in the lab session. Do not use DNR_Fishing_sites. Instead, you choose some other map data from the maps.indiana.edu. You are to (just like in the lab session) perform a direct spatial analysis, as well as an indirect spatial analysis.

You must include (in addition to images of the map(s) displaying your analysis results), text to describe the direct and the indirect spatial analysis you have performed.
The purpose of this analysis is to identify where there are underground storage tanks in relation to where aquifers are most sensitive or vulnerable to surface pollutants. This can help identify which underground storage tanks are the highest threat to the purity of aquifers within the bedrock.

Direct Analysis

This map displays all the Underground storage tanks within Monroe County.
Indirect Analysis

This map shows all the underground storage tanks within a 3 mile radius of Bloomington, Indiana.
From this, we can gather that the City of Bloomington has few underground storage tank within or around it that are near highly sensitive aquifers.

**Example:**

(Direct) A map of Marian County showing all hazardous waste facilities existing within the county.

(Indirect) A map showing all hazardous waste facilities within 40 miles of Indianapolis.

**BONUS:** Add a Google Fusion Table to your V516 mainpage, with a paragraph explaining what the data is.