DATE: September 11, 2007

TO: Dr. Reese

FROM: Emily Ries

SUBJECT: Internet Research Assignment

1. According to the U.S. Census 2000, there were 7,612 individuals between the ages of 10-14 in Lenawee County, MI. There were 3,893 males and 3,719 females. I chose to evaluate the age bracket that I would have belonged to in the year 2000. I would have been 12 years old when this information was current. In 2000, the total population of Lenawee County was 98,890. However, in remembering my elementary years of schooling, there were more girls than boys in my class.


2. According to the County Business Patterns in Lenawee County, MI there were a total of 4 business establishments in the areas of forestry, fishing, hunting, and agriculture support. The manufacturing sector employed 8,199 individuals, making this the largest employment business sector. These workers were paid employees for a pay period including March 12. This information was collected for the year 2005. I believe that the number of agriculture related businesses and employees would be higher today because our county now houses an ethanol plant and a bio diesel plant is in the stages of production.


3. This question introduced me to the concept of radio listening data. According to the company website, “Arbitron is an international media and marketing research firm serving an array of media affiliates in the United States and Europe.” One type of data that they represent is Arbitrend. The term Arbitrend refers to the
radio listening trend over a period of time. The latest ARBITREND rating for WKKO in Toledo, OH is as follows.

<table>
<thead>
<tr>
<th>Summer 2006</th>
<th>Fall 2006</th>
<th>Winter 2007</th>
<th>Spring 2007</th>
</tr>
</thead>
<tbody>
<tr>
<td>15.1</td>
<td>15.0</td>
<td>15.1</td>
<td>13.9</td>
</tr>
</tbody>
</table>

The term AQH rating refers to the average number of individuals listening to a certain radio station for at least 5 minutes during a 15 minute period. A share according to Arbitron website is classified as the percent of those listening to the radio in the metro who are listening to a particular radio station. The data above pertains to those persons 12 and older listening during the time period of Monday to Sunday, 6 am to midnight.


4. According to the Census of Agriculture, the following is an accurate representation of the number of farms and land in farms for the past four censuses.

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Farms in Lenawee County</th>
<th>Land in Farms (acres)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1987</td>
<td>1,387</td>
<td>344,801</td>
</tr>
<tr>
<td>1992</td>
<td>1,259</td>
<td>336,273</td>
</tr>
<tr>
<td>1997</td>
<td>1,516</td>
<td>357,040</td>
</tr>
<tr>
<td>2002</td>
<td>1,446</td>
<td>353,083</td>
</tr>
</tbody>
</table>

Back in the 1800’s my home county of Lenawee was at the top of the list in population and agriculture leadership in the state of Michigan. Today, we are still a strong link in Michigan’s agricultural wellness. By looking at the numbers represented in the Census, the citizen’s of Lenawee County have held on to their commitment to agriculture.


5.

<table>
<thead>
<tr>
<th>Search Engine</th>
<th>Nonpoint Source Pollution</th>
<th>“Nonpoint Source Pollution”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Google</td>
<td>1,940,000</td>
<td>764,000</td>
</tr>
<tr>
<td>Yahoo</td>
<td>1,280,000</td>
<td>720,000</td>
</tr>
<tr>
<td>Ask.com</td>
<td>134,100</td>
<td>79,100</td>
</tr>
</tbody>
</table>

In the search for sites on nonpoint source pollution, I learned the importance of quotations. As you can see in the graphs, a large amount of results appeared for each of the six searches. When quotations were used, the number of results narrowed as a whole. Throughout the six searches, the top web page was consistently in the top five, usually either the first or second result. The number of results when using quotations differs from a search engine because quotations lead to results that are specified to finding the three words together in a phrase. Locating these words together provides a more narrow search than if these words were used in separate contexts.


6. For this task, I used the Yahoo Subject Directory. The following is the order of URL’s that were used to obtain the search for nonpoint source pollution. I used the subject category: Field of Science. The subcategories included Ecology, Pollution, Water, Nonpoint Source Pollution

http://dir.yahoo.com/?skw=Yahoo+Directory
http://dir.yahoo.com/Science/
http://dir.yahoo.com/Science/Ecology/
http://dir.yahoo.com/Society_and_Culture/Environment_and_Nature/Pollution/


You might prefer a Subject Directory over a search engine in order to narrow your search for a topic. The directory allows you to start with a broad topic and narrow it down to something specific. The directory is a list of sources compiled by humans so it provides topics that are relevant and usually very helpful to an average information seeker.

7. Other words and phrases can be used to broaden the search for nonpoint source pollution. By generalizing the topic to water quality, water protection, or even stewardship, we can become informed about many different facets. From the following sources, I obtained information on the causes and current work being performed within the area of nonpoint source pollution.

**Water Quality**

**Water Protection**

**Stewardship-Nonpoint Source Project**