**Research Prompts**

Recall that the major synthesis challenge you are facing is “Water Quality in the Liberty Reservoir (MD)”. Use your systems maps as starting points for your work. We have placed several reference materials that will guide you in systems map making, data gathering and analysis. Use the following research prompts to get started:

1. How did the water quality change over the past 2 decades?
2. How did the land use (mainly for agriculture) change over the last 2 decades?
3. How did the land use (urbanization pattern) change over the last two decades?
4. How did the climate pattern change over the last two decades?
5. What is the existing reservoir water management policy and how did it change over time?
6. Can you find any correlation between land use patterns and water quality?
7. Can you find any correlation between climate change and water quality?
8. Do you see any actionable recommendations to improve the water quality/reduce further deterioration?

**What should you have in your BB post and for your final report?**

* You need to identify the key questions that experts need to know about the environmental problem you are asked to solve. Begin to assemble key information and some good resources.
* You should construct the list of questions for your group and assign questions to each group member. List the questions on your BB post along with the name of the person in your group responsible for fleshing out the groups post for that question. Print this out and hand it in before leaving class.
* Be prepared to share your report with another group so that they can critique it for you.
* Your final report should incorporate suggestions from other groups and you are also expected to revise your concept map based on the new/additional information you obtained from classmates.