

## Iowa's Emerging Water Issues – from Contamination to Recreation –

### **Homework #1, 20 points**

1. Identify/Name your current local water resources work to be as specific as possible names of watersheds, rivers, ponds, lakes etc. Write a paragraph about your personal connections to these water resources... (5 points)
2. The big picture question from Session 1... How do you think Iowa's students view our water resources, today? Based on your personal observations... Write a paragraph that addresses this big picture question with evidence/justification if possible. (5 points)
3. Identify/name the following for your school... A. Town, B. Aquifer and C. River. Then write a summary (no more than 3 pages) to address what you learned about your town and its local water resources. (10 points)

Questions to address in your summary =

- A. What is your town's history with water? E.g. Settlement, School's infrastructure/plumbing age, flooding? Etc.
- B. What landform region does it flow? What geologic processes worked to develop your school's landscape. What are the characteristics (sediment type, land use, etc.) of the landform region?
- C. How does bedrock play a role in these water resources?

Use the following links to address the research questions.

Iowa Bedrock Aquifers map = <https://www.iihr.uiowa.edu/igs/publications/map/aquifer.html>

*Shoot the learn more links are not active yet... :-/ So use this next link to check relevant pdfs to learn more* [https://www.iihr.uiowa.edu/igs/publications/publications?key\\_words=aquifer](https://www.iihr.uiowa.edu/igs/publications/publications?key_words=aquifer)

Landscapes map = <https://www.iihr.uiowa.edu/igs/publications/map/landscapes.html>

Ugh, the learn more links are not working here either

Try these – I have the landscapes linked to videos...

<https://www.exploreiowageology.org/iowaSurficialGeology2020.php>

<https://www.exploreiowageology.org/iowaBedrock2020.php>

[https://www.iihr.uiowa.edu/igs/publications/publications?key\\_words=landform&category=All-Publications](https://www.iihr.uiowa.edu/igs/publications/publications?key_words=landform&category=All-Publications)