



Challenge #1: Water Quality of the Red River

At a glance: In this activity you will be learning about different field and lab water quality parameters, how to sample, and what to do with data once its collected. You will then use this understanding to match water quality data with the location on the Red River where the data was collected.

You will begin by going through the *Introduction to Water Quality Presentation*. In the introduction you will be covering these questions:

- What is water quality sampling?
- How do we sample for water quality?
- What do we sample for?
- What do we do with the data once we collect it?

Once you have completed the Introduction to Water Quality, you will work on matching water quality data to sites along the Red River. You will find an interactive map indicating locations IWI staff sampled last September. Look through the data linked in the description and try to match each “RR code” with the correct site on the map.

****Complete each activity as an individual and then as a team.** You will be asked to give an email address for each submission. You will receive a record of your answers, so that you can review and discuss your answers when you come together as a team. The correct answers will be released when the final Forum scores have been calculated.*

How you are scored:

- Individual submissions
 - You will receive one door prize entry for each correct answer in the Reviews.
 - **DUE MARCH 14TH**
- Team submissions
 - Review scores from each site will be added to your final team tally that will be used to determine the winners of the 2021 River Watch Forum.
 - **DUE MARCH 26TH**
- The Final Forum Submission (**DUE MARCH 26TH**) includes a written portion related to the water quality activity – take notes on your process and what you are learning during Challenge #1 to use during this final step.

Good luck!