

Name: _____

Your mission: Read each of the stories from each sampling day and fill in the data table with the correct information. Make sure to use units for each entry in the table (for example, dissolved oxygen's unit is mg/L). Put data in the correct row (side to side) and correct column (up and down).

June 9th, 2016

John arrives at Otter River and puts a thermometer in the water. It reads 55 degrees Fahrenheit (°F). He then tests the pH and finds it is a little acidic at 6.5. John forgot his T-Tube so he can't measure the turbidity. But he does measure dissolved oxygen and finds it to be 8 mg/L. He writes that the water is muddy and it rained the night before.

June 11th, 2016

Susan arrives at Otter River and writes that the water level is lower than normal. She finds the temperature to be 60 °F. She ran out of chemicals that are needed for dissolved oxygen, but still tests the pH, which turns out to be a basic 8. Susan remembered the T-Tube and finds the turbidity to be 80 NTU.

June 20th, 2016

John and Susan test Otter River together. Susan found the dissolved oxygen to be 9 mg/L and notes that there are green algae growing in the river. John finds the water to be pretty warm at 65 °F. He also finds the pH to be a neutral 7. Together, Susan and John test the turbidity and find that it is 90 NTU.

June 27th, 2016

John puts on his rain coat and walks to Otter River, making sure to write in his notes the weather. The stream has cooled to 50 °F, but the turbidity has gotten worse: 50 NTU. The dissolved oxygen has increased to 10 mg/L, but the pH has remained the same at 7.

June 30th, 2016

John and Susan note that Otter River is very low. They can't take a turbidity sample without kicking up dirt on the bottom of the river. They can't even take a dissolved oxygen sample because the water level is too low. They sample the pH and find it is 6. They find the temperature to be 65 °F.

Date	Temperature	pH	Turbidity	Dissolved Oxygen	Notes
6/9/16	55 °F	6.5		8 mg/L	Water is muddy. Rained last night.
6/11/16	60 °F	8	80 NTU		Water level lower than normal
6/20/16	65 °F	7	90 NTU	9 mg/L	Green algae growing
6/27/16	50 °F	7	50 NTU	10 mg/L	Raining
6/30/16	65 °F	6			Water level very low