# Sewage in our rivers
## Worksheet

**Act for Eden**
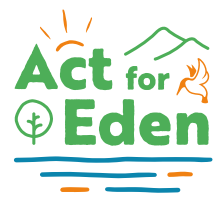
**Read the *Sewage in our Rivers* StoryMap, then answer the questions!**
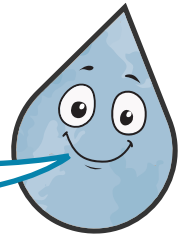
**1**
**Q.** Define sewage.

**A.** _____

**2**
**Q.** a) Where is raw (untreated) sewage supposed to go after you have flushed the toilet?

**A.** _____

**Q.** b) What happens there?

**A.** _____

**3**
**Q.** What does the abbreviation CSO stand for?

**A.** _____

**4**
**Q.** Which 3 factors (when, and why) cause raw sewage to sometimes get discharged (released) into rivers? (Hint: make sure you click on this **website link**)

**A1.** _____

**A2.** _____

**A3.** _____

**5**
**Q.** a) Name two reasons why achieving 'bathing water status' is good for rivers:

**A1.** _____

**A2.** _____

**Q.** b) How many English rivers have bathing water status?

**A.** _____

**6**
**Q.** a) Read "Testing the Water". What are the two most commonly used methods people rely on to find out if a river is polluted?

**A.** _____

**Q.** b) Are these methods reliable? If not, why not?

**A.** _____

**Is your river fit to play in?**

This **interactive map** will help us find out where raw (untreated) sewage sometimes enters the Eden river system.

Using the Investigate tab of the "Is your river fit to play in?" map:

**1** Select the River Eden in the CaBA catchment category.

**Q.** How many raw sewage spills were counted in 2021, and for how many hours was raw sewage discharged into Eden's rivers?

**A.** __,__ __ __ spills for __ __,__ __ __ hours.

**2** **Q.** Where did the most spills happen in 2021? *Hint. Use the scroll bar to increase the minimum number of spills in Number of counted spills category until there are just two solid brown circles remaining.*

**A.** 1. __ __ __ __ __ __ __ Wastewater Treatment Works (WwTW) sewer storm overflow

spilled __ __ __ times for a total of __,__ __ __ hours discharging into the

River __ __ __ __ .

2. __ __ __ __ __ __ __ __ WwTW sewer storm overflow spilled __ __ __ times for a total of

__,__ __ __ hours discharging into __ __ __ __ __ __ __ Beck.

**3** **Q.** Which sewer storm overflows were the worst offenders for the number of hours they spilled sewage into Eden's Rivers?

**A.** 1. __ __ __ __ __ __  __ __ __ __ __ __ __ WwTW, releasing into __ __ __ __ __

__ __ __ __ __ __ __ __  __ __ __ __ . __ __ __ __ __ times for a total of __,__ __ __ hours.

2. __ __ __ __ __ __ WwTW, discharging into the River __ __ __ __ __ . __ __ __ times, for a

total of __,__ __ __ hours.

**4** **Q.** 4. Can you work out the total number of days they both spilled for?

**A.** 1. Crosby Garrett: __,__ __ __ hours = the equivalent of __ __ __ days.

2. Cargo: __,__ __ __ hours = the equivalent of __ __ __ . __ days.

**5**   Now we are going to investigate a river near to where you live.
In the top right corner of the map there is a search bar. Enter the name of your town or village, or the postcode of your school or home.
Find the nearest CSOs to you (there might be more than one nearby) and click on the brown circle to find the data for that site.
Write down what you found out about.

**6**   If you play or swim in a river near you, can you find the place on the map?
Search for the nearest CSO and write down anything you now need to consider before playing safely in the river again.

Eden
Rivers Trust