

# Activity 2.1: Stormwater & Pollutants

## Overview:

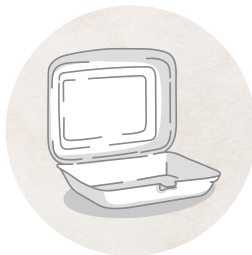
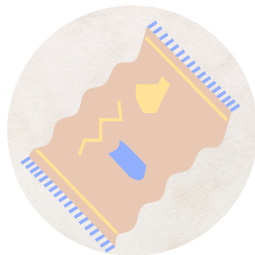
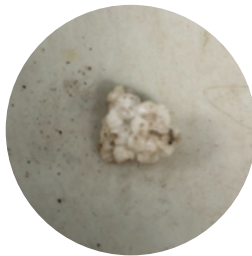
This activity will introduce what pollutants are and how they can make their way into our local waterways. Participants will discover different sources of pollution in storm drains.

## Learning Objective:

- Understand what a pollutant is and provide examples.
- Identify the sources of plastics and other pollutants in their local waterways.
- Describe examples of common pollutants and what type of sources they might originate from.

## Set-up:

- Print the accompanying worksheet and grab a pen or pencil.
- Print a copy of the 2-sided game pieces (included below), cut them out
  - There are 10 game pieces in total.
  - Matched sources are directly below the pollutants



\*Matched sources are directly below the pollutants

## Instructions:

1. Ask participants if they have heard of a pollutant before and ask them to share what they think it might be before sharing the actual definition.

2. Introduce the concept of pollution and pollutants to participants.

**Prompt:** Pollution is the introduction of harmful materials into the environment. These harmful materials are called pollutants – they can be natural or created by human activity, such as litter or runoff.

3. Ask participants to write down on their worksheets how they think pollutants enter waterways such as Junction Creek.

**Prompt:** Pollution enters water bodies in a number of ways, including our city's storm drain system.

4. Explain that litter can be an example of a pollutant and remind participants of the 3D watershed model they made in Activity 1 – the different colours can also be causes of pollutants.

5. Ask participants to think of some examples of litter in their local stormwater and write them down on their worksheets.

6. The next activity will be a game where participants will match pollutants to their sources.

7. Explain that these types of pollutants are commonly found in Sudbury's storm drains and can come from things they might find in their homes or schools!

8. Ask participants to match the types of litter to their sources.  
Did you know that cigarettes are a type of plastic pollution?

9. Did you get it right? If not, don't worry, you can always play again!

10. Ask participants to complete the reflection on the included worksheet.