

### SEWAGE POLLUTION

Pollution substances flow through rivers, sewage or drains directly into the ocean. Untreated sewage in runoff leads to algal blooms in freshwater. Small algal- provides food for fish and aquatic organisms. Large algal- deplete the dissolved oxygen in water leading to dead zones in aquatic systems.

### OCEAN MINING

Ocean mining sights mine for silver, gold, copper, cobalt and zin they drill up to 3.5 thousand metres down. The reason this is harmful to the ocean is because of leaking, corrosion and oil spills.



## MARINE POLLUTION



Marine contamination is a mix of chemicals and litter, the greater part of which originates from land sources and is washed or blown into the sea. This contamination brings about harm to the climate, to the wellbeing, everything being equal, and to financial structures around the world.

### TOXIC CHEMICALS

When a toxic waste harms one organism it could end up killing a food chain of aquatic creatures. Any organism that eats and digests marine life affected by toxic chemicals can have severe affects and will most likely die.

Dumping of toxic chemicals can raise the temperature or the sea, most sea life won't be able to survive in that kind of heat and will die.



### REASONS FOR MARINE POLLUTION

- sewage pollution
- Toxic chemicals from industries
- Large oil spills
- Ocean mining
- Littering

### LITTERING

Litter goes into the ocean when far inland objects are blown by wind over long distances. These objects (mainly plastic and metal) don't decompose and stay in the ocean for life time. Creatures can become sick from plastic plastic or metal for food, gradually killing them over an extensive period of time. Creatures who are regularly affected by

## Daisy - Raising awareness of marine pollution

*This case study was transcribed from an interview. These are Daisy's words and opinions.*

### What was your goal and what did you achieve?

I wanted to do a project that I could share with my school and that they would listen. I researched marine pollution on my own and I worked with my science teacher a bit and got her to talk to me about how I could present it. I shared my research with the school and put up posters, and hopefully made them change their mind.

### Did you face any challenges?

Not knowing what project to do until near the very end. I spoke to my science teacher about it and she gave me three options. I searched what would have the most information and what I enjoyed and I picked marine pollution.

### What did you enjoy most?

I enjoyed being able to stand in front of the school at assembly with 800 or more students and say whatever I wanted. I was stressing and I was very nervous but once I started it was ok. I didn't look at anyone in the eye because it would have made me more nervous.