1 Marine Plastic Pollution

Marine plastic pollution is a widely documented issue. The exact amount of plastic is not known. The world $_economic_forum_top_2022estimate the reto be betweel 75 and 199 million metric tons of plastic is not known.$

There are two major paths for health effects from plastic pollution, larger pieces being broken down into microplastics which then get taken up into the food chain, and material leeching into the surrounding seawater. Once microplastics have entered into the foodchain, leeching becomes a concern within creatures as well.

Leeching refers to the chemical breakdown of materials going into solution, or compounds moving from one carrier to another. For example, bisphenol A (also known as BPA) is a material commonly used in polycarbonate production. $rochester_b isphenol_2 013 show in a meta-review that B isphenol A can affect the endocrine system of humans, especially a special system of the state of the special system of the system of the$

Microplastics on the other hand, refer to small particles of plastics, less than 5mm in size along their longest axis. Microplastics might be broken up from larger pieces, for instance by wave motion grinding waste against the seafloor or against each other. Microplastics might also be released from products that include them intentionally, for instance certain exfoliating soaps or polishing compounds use small plastic beads to do the polishing/exfoliating work. The negative health impacts of microplastics both on human and animal life have been shown, for example by segovia-mendoza how_2020 andzolotova $harmful_2022$. Filteringoutmicroplastics is very different polishing and the polishing of t

The above demonstrates the health effects of marine plastic pollution, but additionally there is the concern that the physical presence of plastics might harm or inhabit marine life. Ghost fishing for instance, is a large concern from an ecological perspective. Ghost fishing refers to when tools such as fishing nets or pots are lost at sea but continue to drift, allowing them to catch animals that end up harmed or dying without human control. matsuoka_review₂005goesintotheissuesof ghost fishing ingreater details and the such as the such

2 Previous work

When it comes to

- 3 Remaining work
- 4 This report