

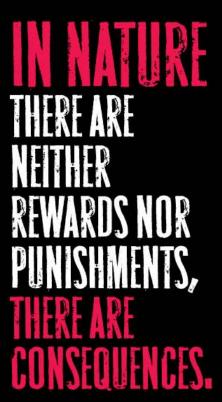
Marine debris is everyone's problem.



It affects everything from our environment to our economy; from fishing and navigation to human health and safety; from the tiniest coral polyps to giant humpback whales. Marine debris also comes in many forms, from a small cigarette butt or bottle cap to car parts or a 4,000 pound derelict fishing net.



Marine debris is a problem we **can** solve together; we know how. Although marine debris is a problem worldwide we can all help, with even the smallest actions. Reduce, reuse, recycle, and participate in local beach or stream cleanups! If we each do a little, together, we can make a big difference.

















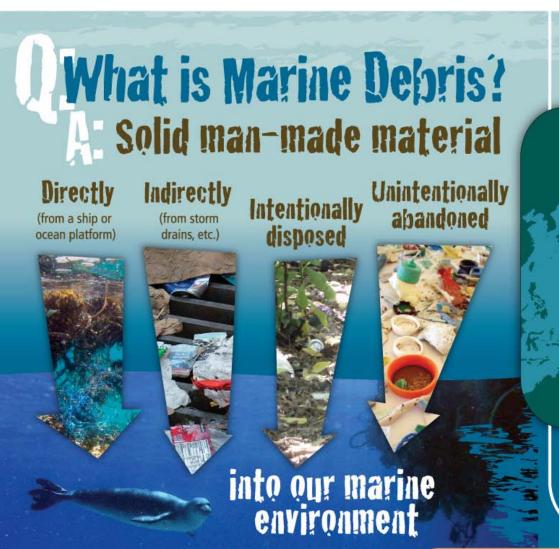




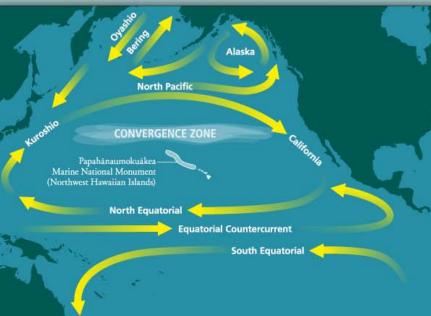
The National Oceanic and Atmospheric Administration (NOAA) Marine Debris Program helps protect and conserve our nation's natural resources, oceans, and coastal waterways for future generations through the prevention, identification, and reduction of marine debris on a national and international level.



The University of Hawaii Sea Grant College Program supports an innovative program of research, education, and extension services directed to the improved understanding and stewardship of coastal and marine resources of the state, region, and nation. Science serving the people of Hawaii and the Pacific for over 40 years.



Marine debris moves with the winds and ocean currents, sometimes far from its origin.



In the north Pacific Ocean, a marine debris "hot spot" known as the Subtropical Convergence Zone (STCZ) concentrates debris. Debris accumulates in this area because surface waters come together, driven by winds. This "hot spot" shifts southward over the Hawaiian Archipelago during winter months, carrying with it marine debris from around the Pacific Ocean.

Marine debris, such as ghostnets (defence inshing necs), fishing line, and trap gear (crab pots), poses an entanglement threat to our wildlife. These entanglements can lead to serious injury and often death.

IMPACT'S OF MARINE DEBRIS

Human health and safety

Habitat destruction

WILDLIFE ENTANGLEMENT

Vessel damage and navigational hazard

Alien species transport

Aesthetics or beauty of our environment





HAWAIIAN ISLANDS

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Marine debris is often ingested by animals such as sea turtles, marine mammals, and seabirds. Items such as lighters and small plastic

ieces may look like food to an animal, or have an animal's natural food attached to it. Debris may also be ingested accidentally with actual food items. Sometimes debris ingested is regurgitated, but many times eating debris leads to illness, starvation and even death. Recently, plastic particles have been shown to concentrate toxic chemicals. More research is needed on the transfer of these toxins to the animals that ingest them.



Five species of sea turtle can be found in Hawaii. Worldwide, marine debris ingestion has been

WHAT TO DO

if you see an entangled animal:

ENTANGLEMENT REPORTING INFORMATION: NOAA Fisheric NEVER APPROACH AN ENTANGLED ANIMAL. Entangled animals, wheth dead or alive, pose risks to human

To learn more about marine debris and how you can help, visit

www.MarineDebris.noaa.gov

- GET INVOLVED! Participate in local cleanups in your area.
- Remember that our lands and seas are connected.
- REDUCE the amount of waste you produce.
- ▼ REUSE items whenever possible! Choose reusable items over disposable ones.
- RECYCLE as much as possible! Bottles, cans, cell phones, ink cartridges, and many other items can be recycled.