

CAMBRIAN BEACH GUARDIANS



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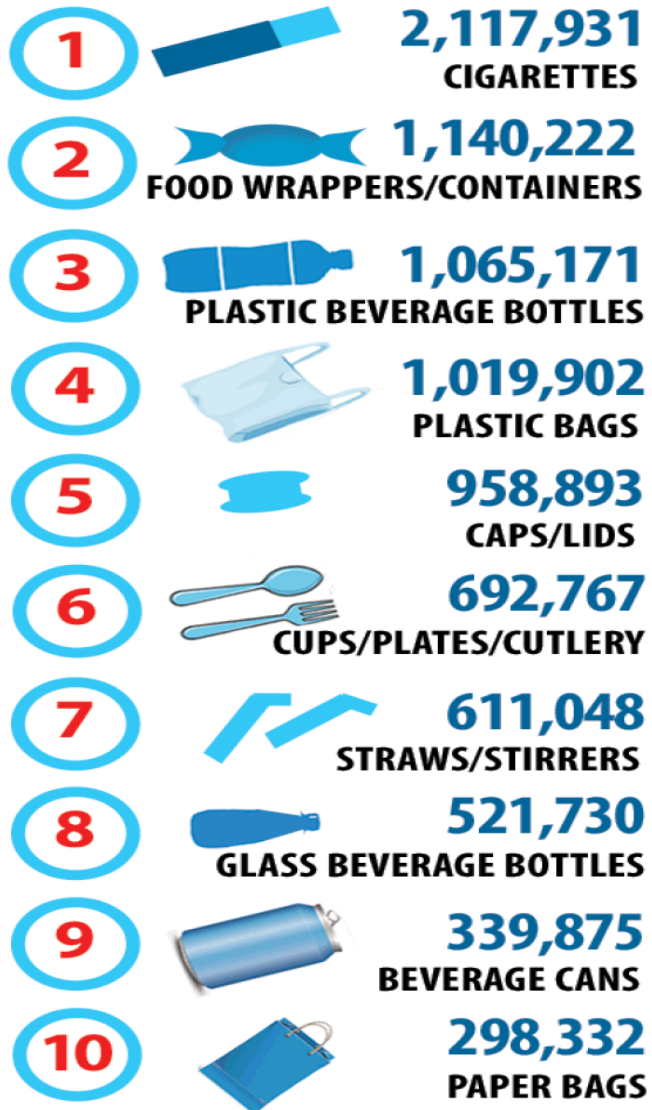
TINA TRIGGS

Our Area Cardigan Bay / Cambrian Coast

- Cardigan Bay is one of the most important breeding groups in the UK for dolphins.
- Largest Sea Turtle ever found was on Harlech beach in the 1980's. Killed by entanglement in fishing rope.
- There are 8 species of sea turtles, 6 are endangered.

What is Marine Litter

TOP 10 TRASH FOUND IN THE WORLD'S OCEANS



Source: International Coastal Cleanup 2012, Ocean Conservancy

Effects on Wildlife

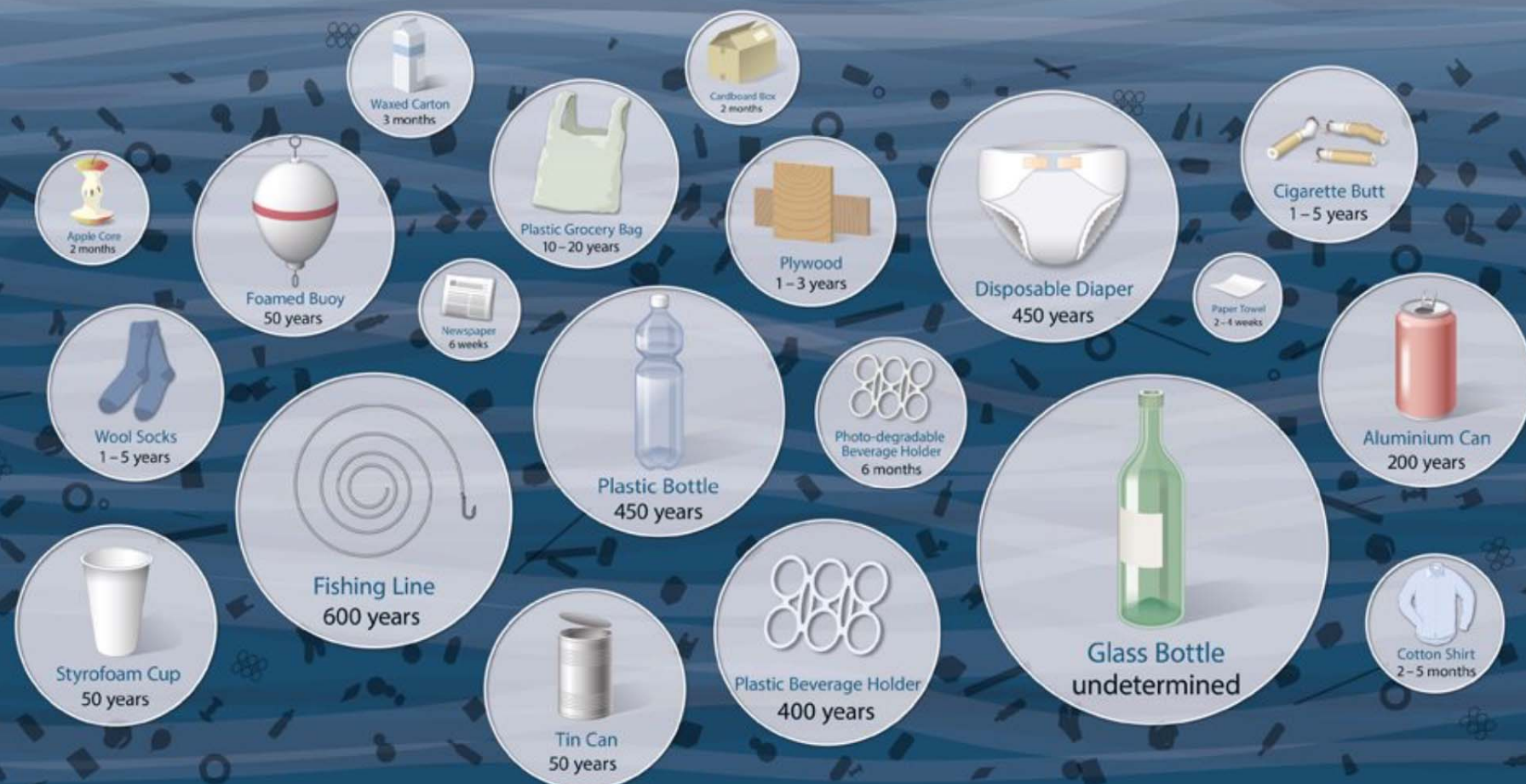


What's it to you

- Every other breath comes from oxygen produced by the sea.
- 8 millions tons of plastic enters the ocean every year.
- Plastic stops photo-synthesis of plant plankton.

HOW LONG UNTIL IT'S GONE?

Estimated decomposition rates of common marine debris items



Estimated individual item timelines depend on product composition and environmental conditions.

Source: NOAA (National Oceanic and Atmospheric Administration), US / Woods Hole Sea Grant, US
Graphics: Oliver Lüde / Museum für Gestaltung Zürich, Zürich

What are micro-plastics?

- Large plastics break down into small pieces called micro-plastics.
- Micro-plastics are eaten by fish thinking they are food.
- Micro-plastics attract other toxic chemicals.
- Micro-plastics are now in our food chain.

Nurdles

- Nurdles are used by industry to mould larger plastic items.
- Plastic industry loses around 1% per year.
- Over one hundred nurdles is considered a large amount on a beach.
- Locally on Harlech, Llandanwg & Barmouth beaches nearly 800 were found.

How big is the problem

- Since 1994 plastic on our beaches has more than doubled.
- By 2018 100% of marine life will have eaten plastic.
- By 2050 there will be more plastic than fish in the oceans.
- No part of the ocean has been sampled without plastic.

Cleaning up our mess

- Don't drop litter, it kills.
- Beach cleans.
- Refuse single use plastics (i.e. plastic bags, plastic straws).
- Recycle anything you can.

We need your help

There is no way to remove micro-plastics from our beaches until now. We will be the first in Wales to use special screens from America to filter and remove these toxic plastics.

Please join our Facebook page
Cambrian Beach Guardians
for upcoming events