

**SOURCES OF
PLASTIC AND ITS
LIFE CYCLE**

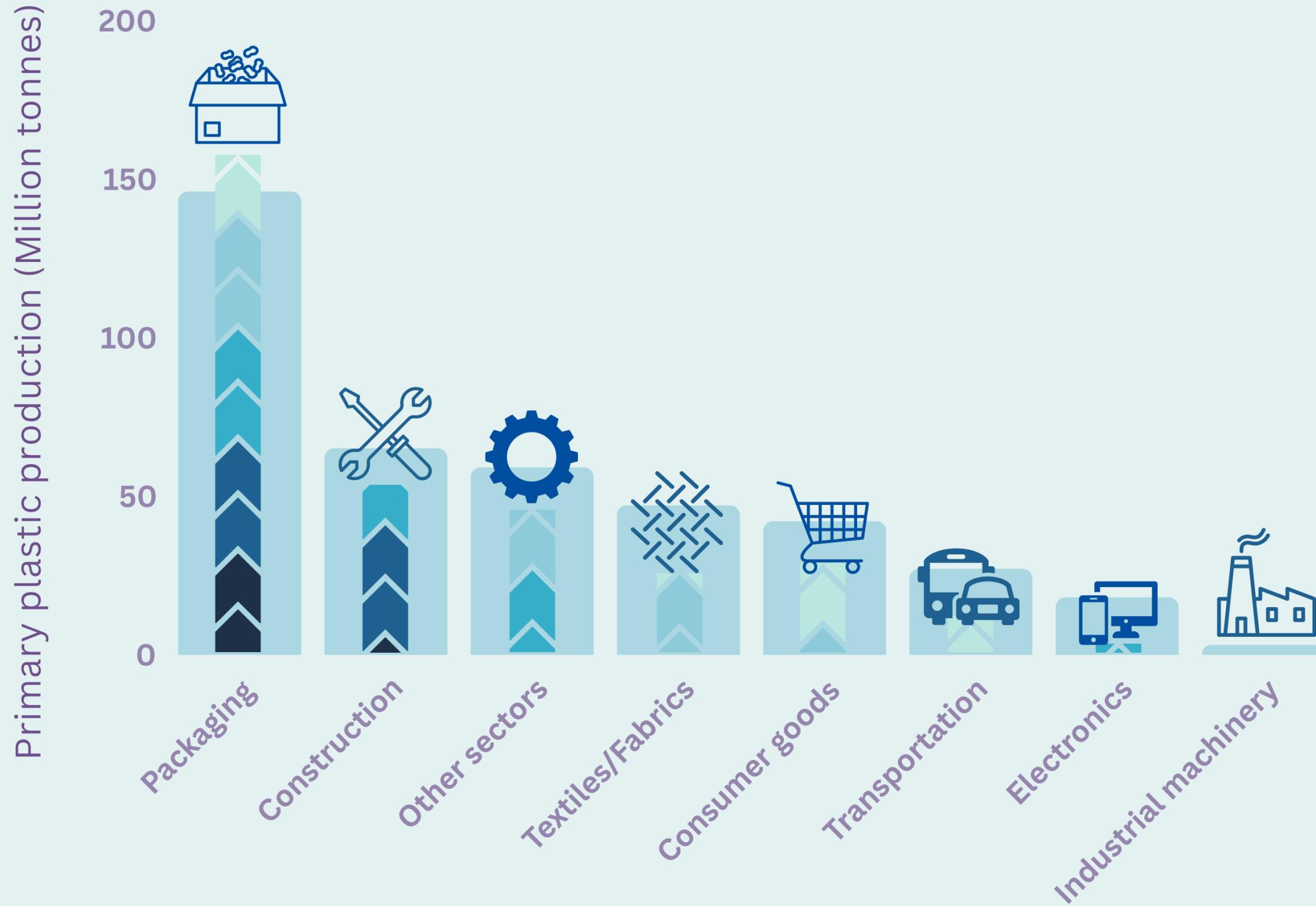
DISCUSSION

HOW DO WE ALL USE
PLASTIC?



PLASTIC USES

INDUSTRY PLASTIC PRODUCTION



BUT WHERE IS ALL THIS PLASTIC GOING?

9%
IS RECYCLED

12%
IS BURNT

78%
GOES TO
LANDFILL

1%
GOES INTO THE
OCEAN

SOURCES OF OCEAN PLASTIC



**MISMANAGED
PLASTIC WASTE
(LITTER)**

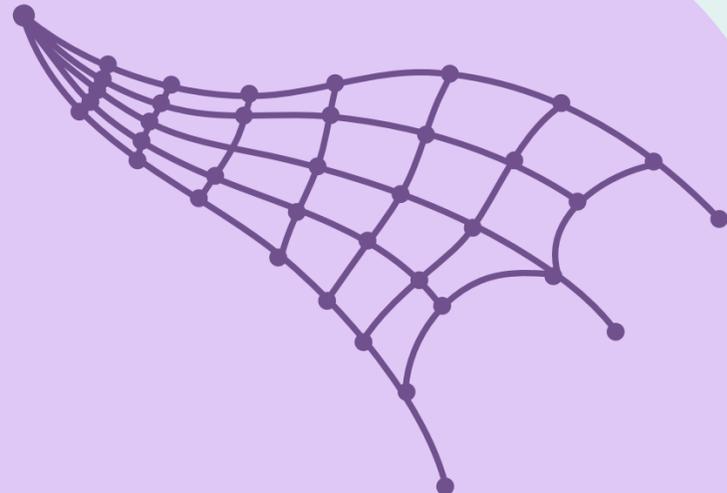


**SEA-BASED PLASTIC
DEBRIS**



MICROPLASTICS

EXAMPLES



FISHING NETS

ENOUGH LOST AT SEA
EVERY YEAR TO
CIRCLE EARTH MORE
THAN 18 TIMES



CLOTHING

NEARLY 70 BILLION
ITEMS ARE MADE OF
PLASTIC EACH YEAR



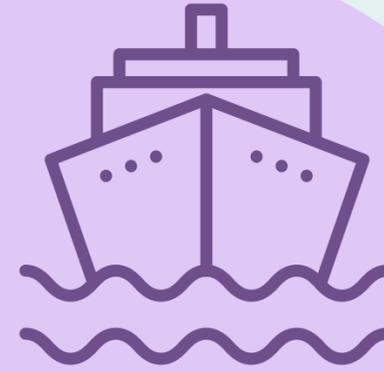
FIBRES

ONE MILLION
MICROPLASTICS PER
LOAD OF WASHING

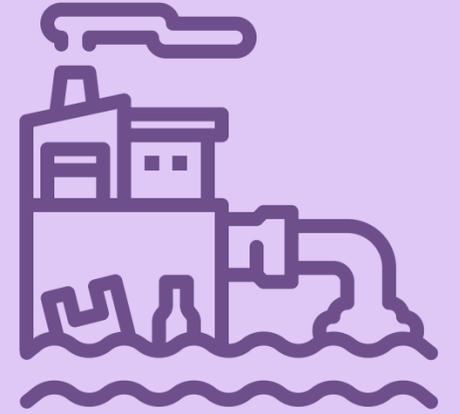
PATHWAYS



WIND



DIRECT INPUT
TO OCEANS



WASTEWATER



ATMOSPHERE



RIVERS



RUNOFF (E.G. URBAN,
AG, INDUSTRY)

DISCUSSION POINTS

LOCAL SOURCES

HAS ANYONE EVER FOUND PLASTIC ON THE BEACH THAT THEY CAN RECOGNISE THE SOURCE OF?

WHERE IS MOST OF THE PLASTIC ON THE BEACHES AROUND ARNHEM LAND COMING FROM?

PLASTIC IN NORTHEAST ARNHEM LAND

MARINE DEBRIS AND GHOST NET CLEAN UP OVERVIEW FOR 2022

DEBRIS WEIGHT
31,491 kg

DEBRIS VOLUME
232 m³

DISTANCE
87.5 km

PEOPLE WHO
HELPED
217

GHOST NETS
9

SEA SHEPHERD & DHIMURRU ABORIGINAL CORPORATION



DJULPAN 2022 BEACH CLEAN

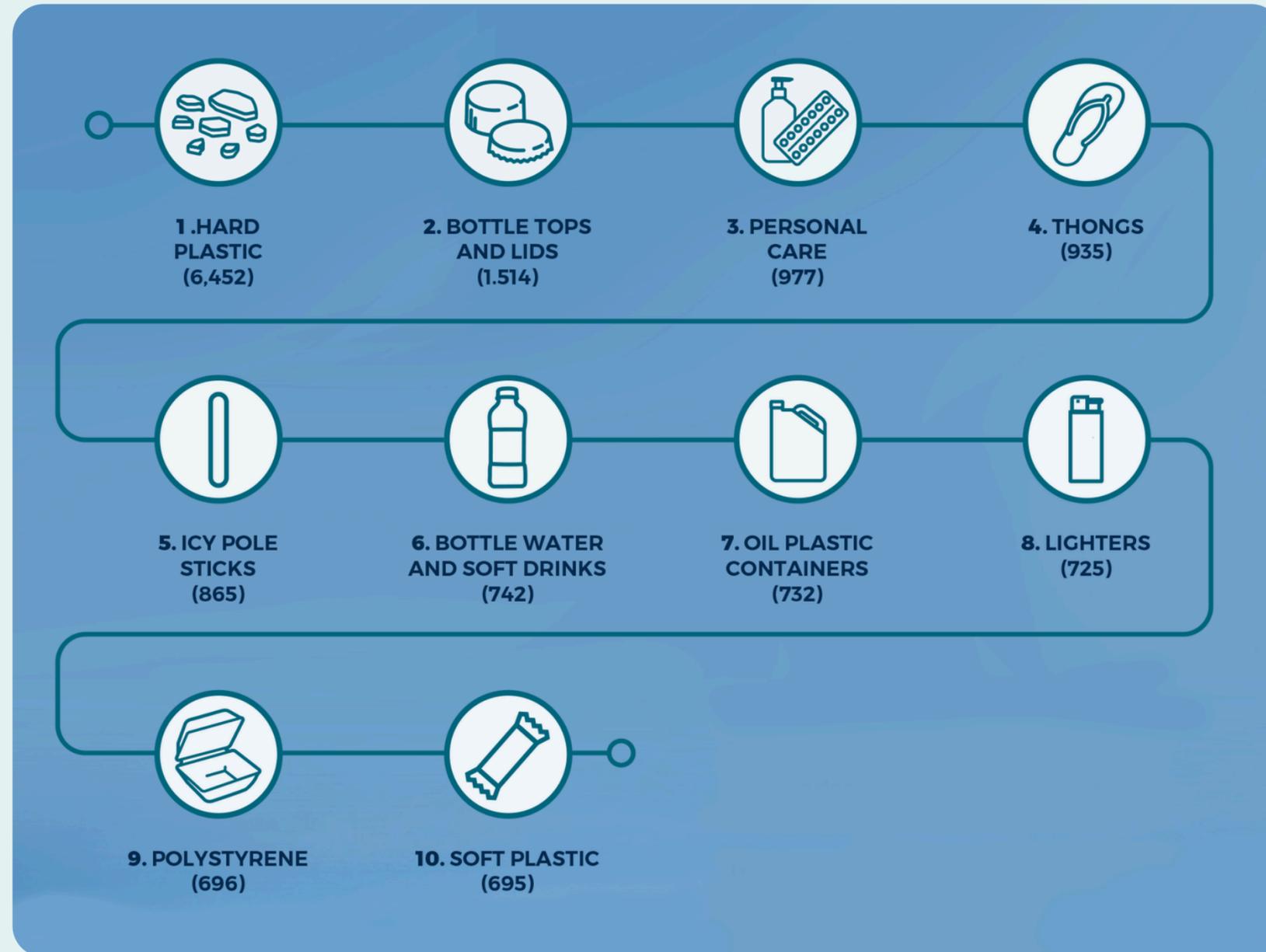
SEA SHEPHERD AND DHIMURRU ABORIGINAL CORPORATION

DEBRIS REMOVED
10.4 TONNES

FISHING NETS
1.1 TONNES

CLEAN-UP BAGS
1440

TOP 10 ITEMS COLLECTED



SOURCE: SEA SHEPHERD AUSTRALIA, DJULPAN IMPACT REPORT 2022

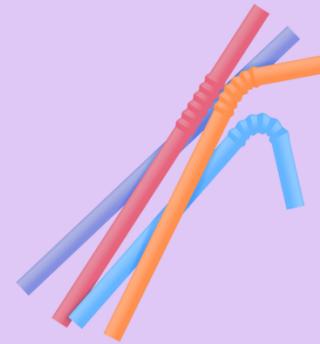
LIFE CYCLE OF PLASTIC



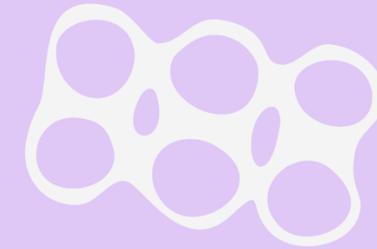
PLASTIC BAG
20 YEARS



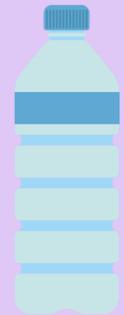
COFFEE CUP
30 YEARS



PLASTIC STRAW
200 YEARS



6-PACK RINGS
400 YEARS



PLASTIC BOTTLE
450 YEARS



PLASTIC CUP
450 YEARS



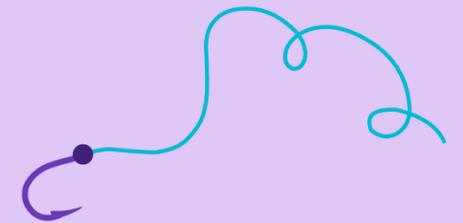
COFFEE POD
500 YEARS



DISPOSABLE NAPPY
500 YEARS



TOOTHBRUSH
500 YEARS



FISHING LINE
600 YEARS

LIFE CYCLE OF PLASTIC

THE LIFE CYCLE OF A PLASTIC BOTTLE

What really happens to the plastic you throw away - Emma Bryce

Watch on YouTube

Share

The image is a YouTube video player thumbnail. The background is dark grey with a pattern of white and light blue plastic waste, including bottles, caps, and crumpled pieces. The title 'THE LIFE CYCLE OF A PLASTIC BOTTLE' is written in large, bold, white and light blue letters. A red play button icon is centered over the word 'PLASTIC'. In the top left corner, there is a TED Ed logo and the text 'What really happens to the plastic you throw away - Emma Bryce'. In the top right corner, there is a red circular button with a white arrow and the text 'Share'. In the bottom left corner, there is a black bar with the text 'Watch on' followed by the YouTube logo and the word 'YouTube'. A small illustration of a blue plastic bottle is in the bottom right corner.

PRACTICAL

LOCAL BEACH CLEAN EXCURSION

OR

**CONTINUE SORTING BOTTLE LIDS
AND USE THE RECYCLING MACHINES**