# A SAD SPLASH MAN HONG KONG'S MARINE LITTER TRAGEDY

of marine refuse on average are collected by the Hong Kong Government per year



Litter can enter the sea in many ways, e.g. through storm drains and waterways During festivals (e.g. the Dragon Boat Festival) and other recreational activities

> Improper disposal of industrial waste or accidental product loss during transport, e.g. plastic pellets



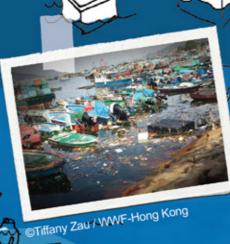
MILLION of plastics enter the ocean every year =

the contents of

ONE GARBAGE TRUCK dumped into the world's oceans **EVERY MINUTE** 



Improper disposal of household waste and construction material



Fishing-related debris, such as abandoned fishing nets and polystyrene boxes



Toxins from microplastics can bioaccumulate along " the food chain, eventually threatening human health



60-80%

of marine litter is made up of plastics. Disposable, single-use items are frequently encountered in the sea



**MORE PLASTICS** THAN FISH (by weight)



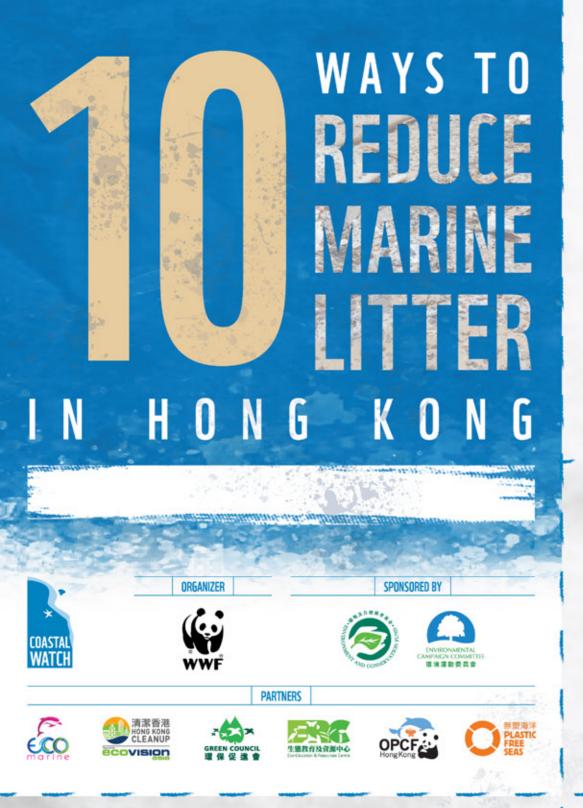
© Patrick Yeung / WWF-Hong Kong

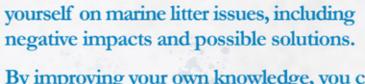


Globally,

have been affected by entanglement in or ingestion of plastic debris etc







By improving your own knowledge, you can raise awareness and influence others' attitudes towards this serious global issue. Begin talking to children about this issue at an early age you will influence their daily habits and help tackle the problem at its source.







Harness consumer power to help make business models more green by rewarding companies that use green purchasing, reduce GREEN waste and recycle.



Dispose of all rubbish

properly. After visiting our

even more by taking away litter left behind by others!

natural environment, always

take your litter away with you. Help the marine environment

Visit and spend time in Hong Kong's amazing coastal and marine environments. These ecosystems are so intricate and so vital to nature and ourselves. You will be pleasantly surprised by what you find!



by using less single-use items and avoid products with excessive packaging.



Help protect our coastlines and marine environment through different channels, e.g. waste reduction campaigns, petitions...however you can!

## BECREATIV

Convert old and abandoned materials into useful products keep them out of landfills and the marine environment.







Reporting marine litter incidents and blackspots helps pinpoint locations for clean-ups and can be useful for research purposes.



(COOPERATING WITH COASTAL WATCH)

www.epd.gov.hk/epd/ clean\_shorelines/node/15.html

www.trailwatch.hk/?t=incidents

**TRAILWATCH** 





By taking part in clean-up events, we physically reduce the amount of litter in our coastal environments and experience the seriousness of the issue first-hand. Various groups organize clean-up events for schools and the public.

**ECO-EDUCATION AND RESOURCES CENTRE** http://www.erc.org.hk

**ECO MARINE** 

http://ecomarinehongkong.org

**GREEN COUNCIL** 

http://www.greencouncil.org

HONG KONG CLEANUP http://www.hkcleanup.org

OCEAN PARK CONSERVATION FOUNDATION, HK http://www.opcf.org.hk

PLASTIC FREE SEAS http://www.plasticfreeseas.org **□**8**.**Ba

飘飘

## TO KNOW MORE:





## REFERENCES

Coastal Watch website. Press release: Coastal Watch project first year survey results released. (22 Oct 2015; https://coastalwatch.hk/surveyresult2015\_en/).

Cole M., Lindeque P., Fileman E., Halsband C., Goodhead R., Moger J. 2013. Microplastic ingestion by zooplankton. Environmental Science & Technology, 47: 6646-6655.

Jambeck J.R., Geyer R., Wilcox C., Siegler T.R., Perryman M., Andrady A., Narayan R., Law K.R. 2015. Plastic waste inputs from land into the ocean. Science 347: 768-770.

Mott MacDonald. 2015. Investigation on the Sources and Fates of Marine Refuse in Hong Kong. Study Report. Environmental Protection Department, Hong Kong.

Secretariat of the Convention on Biological Diversity and the Scientific and Technical Advisory Panel—GEF. 2012. Impacts of Marine Debris on Biodiversity: Current Status and Potential Solutions, Montreal, Technical Series No. 67, 61 pages.

World Economic Forum, Ellen MacArthur Foundation and McKinsey & Company. 2016. The New Plastics Economy: Rethinking the future of plastics. World Economic Forum, January 2016.

TURN OVER TO LEARN ABOUT HK'S MARINE LITTER TRAGEDY