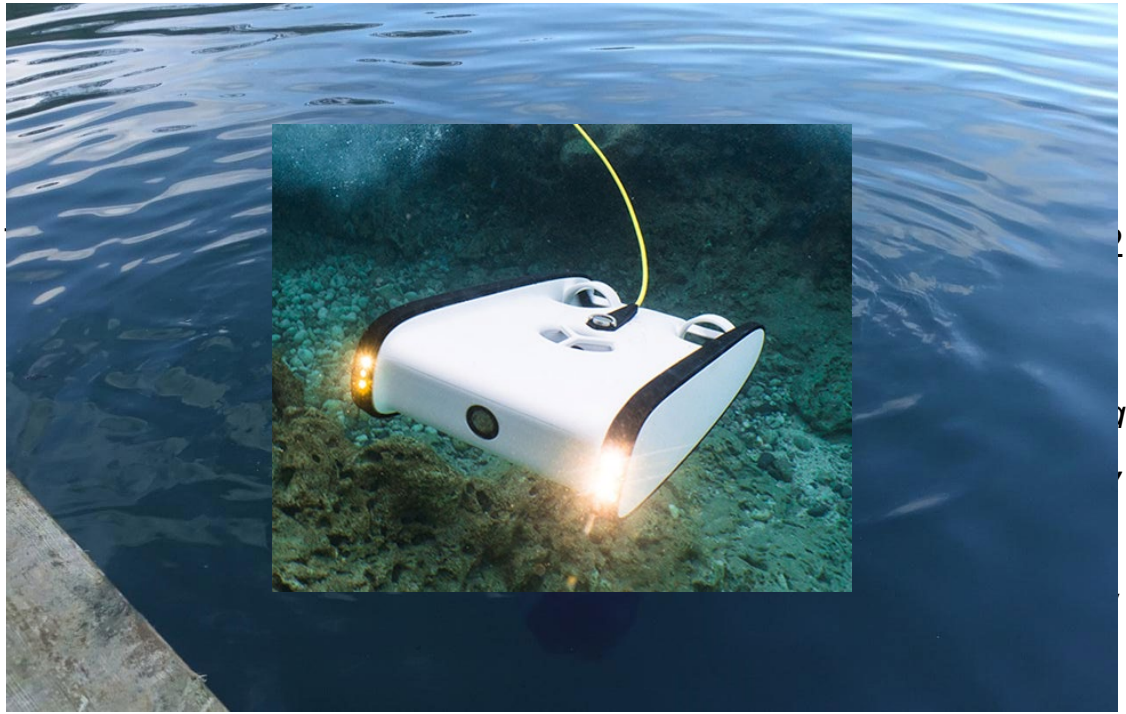
Marine debris from Wastewater Outfalls

Jake Thompson



Háskólasetur Vestfjarða
University Centre of the Westfjords

2020 masters thesis entitled:

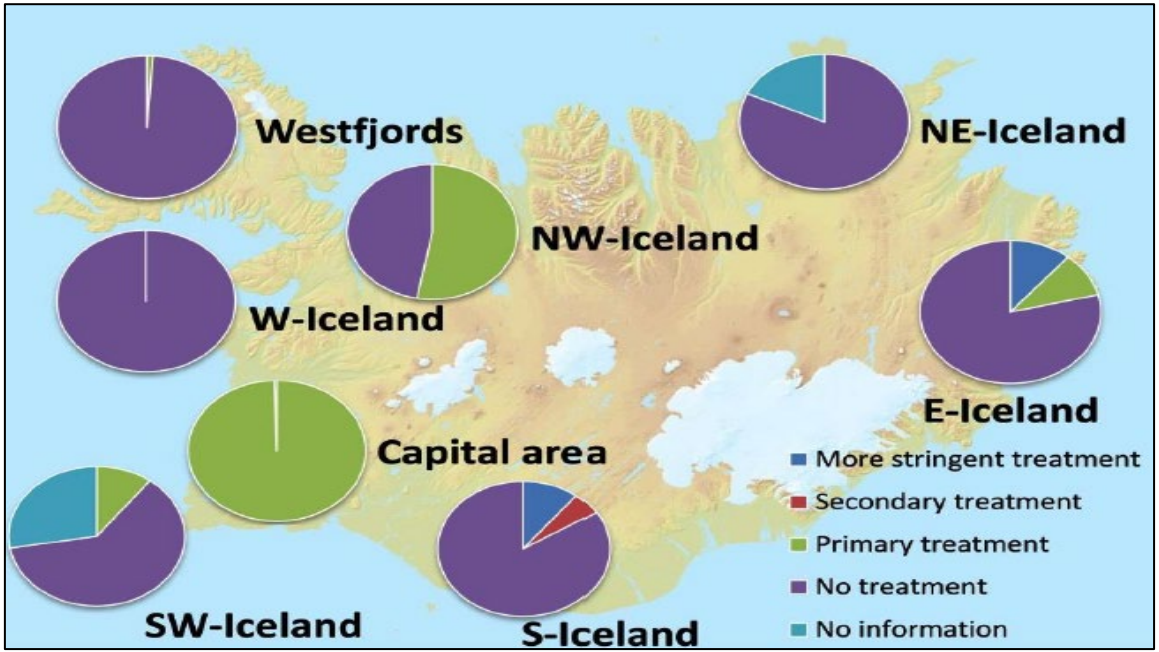
ated wastewater emissions
, Iceland

work through community action,

My friends and family are glad that I've moved on from scuba diving in these 'areas' to utilising underwater drone technology.

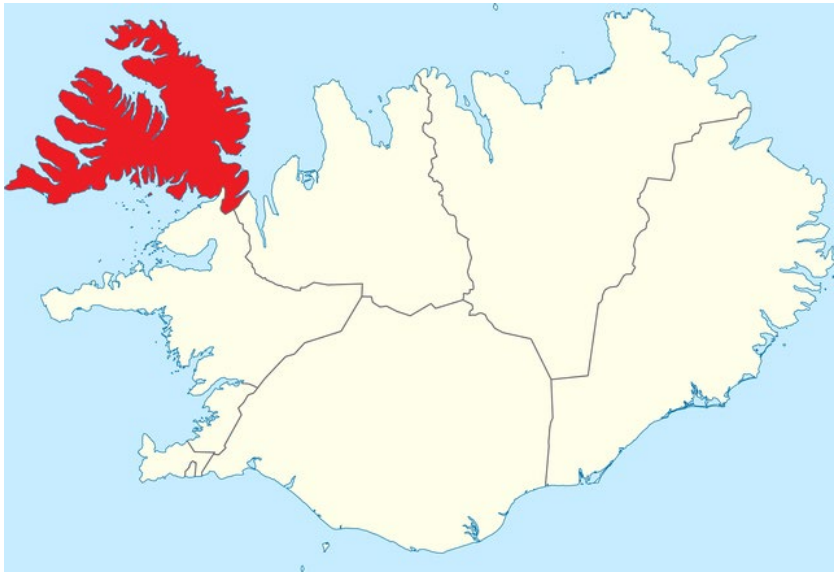
Background: Wastewater Treatment

- 70% coverage in Iceland (population)
  - Focus on Reykjavik
  - Rural areas lack infrastructure
- Direct emissions into the sea is acceptable due to strong ‘decontaminating’ currents



(EAI, 2013)

Study Site: Ísafjörður

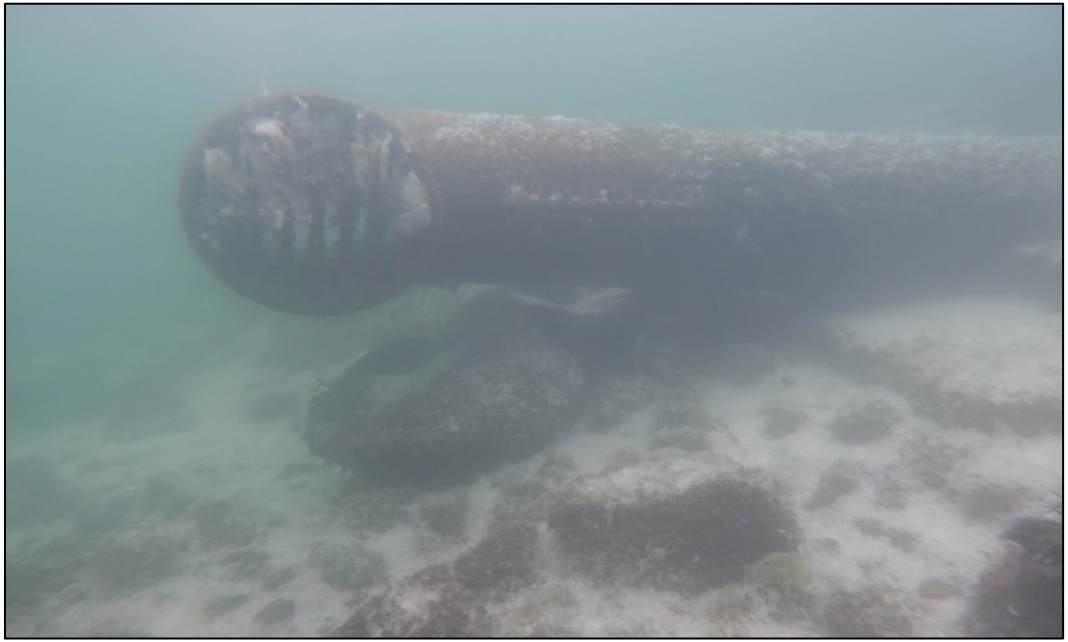


(Jake Thompson, 2018)

Unfiltered Findings

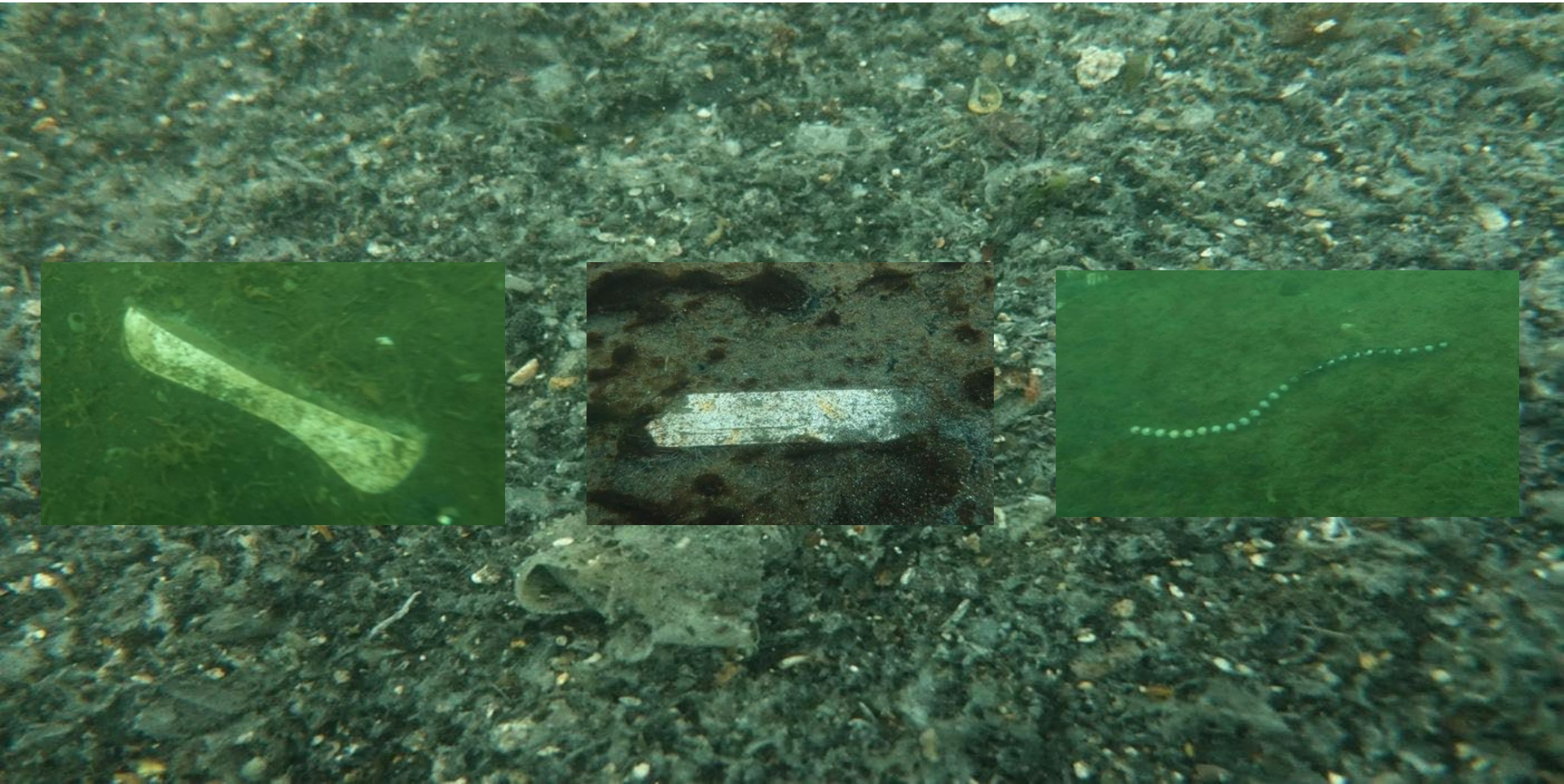
Benthic underwater observations allowed for a wider understanding of issues

- Large amount of plastic and nonwovens
- Large amount of organic matter from paper detritus



(Jake Thompson, 2018)

Large amount of plastic debris and nonwoven products, gradually deteriorating




08 APR 2021
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244 DEG
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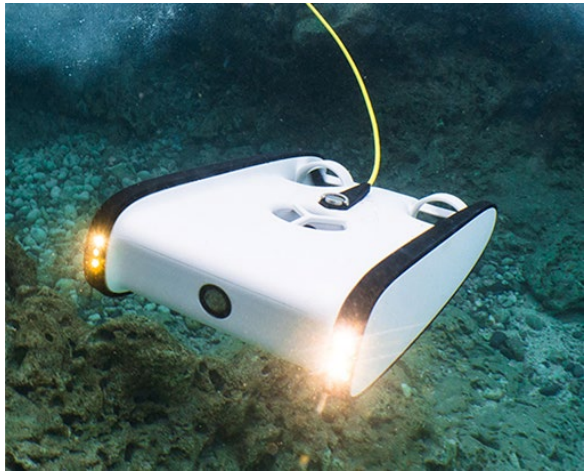
Opportunities and solutions

Monitoring



(TechCrunch, 2019)

Quick Wins

(Ecosol, 2020)

Community engagement

(M.I, 2020)

Acknowledgements

Dr. Rakel Guðmundsdóttir - Marine and Freshwater Research Institute (MFRI)

Þórarinn Gunnarsson - FabLab Isafjordur

Sveinbjörn Hjálmarsson - Dive Westfjords

Wildlife Conservation Society

University Centre of the Westfjords