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# Detectability of eDNA for green sea turtles (*Chelonia mydas*) in coastal environments



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# Sampling

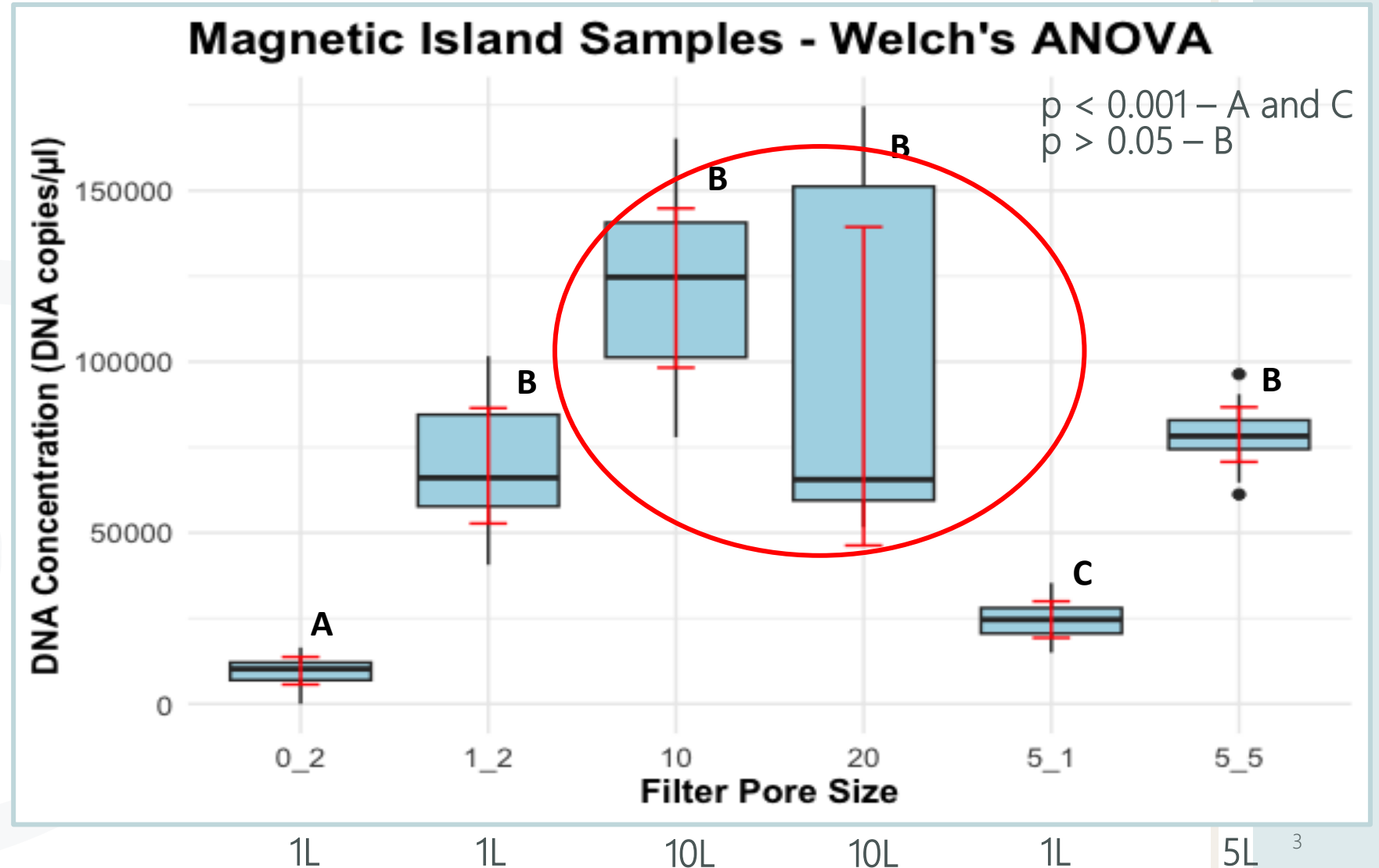
1. Closed artificial systems.
2. Closed natural systems.
3. Open natural systems.



# Filter size comparison

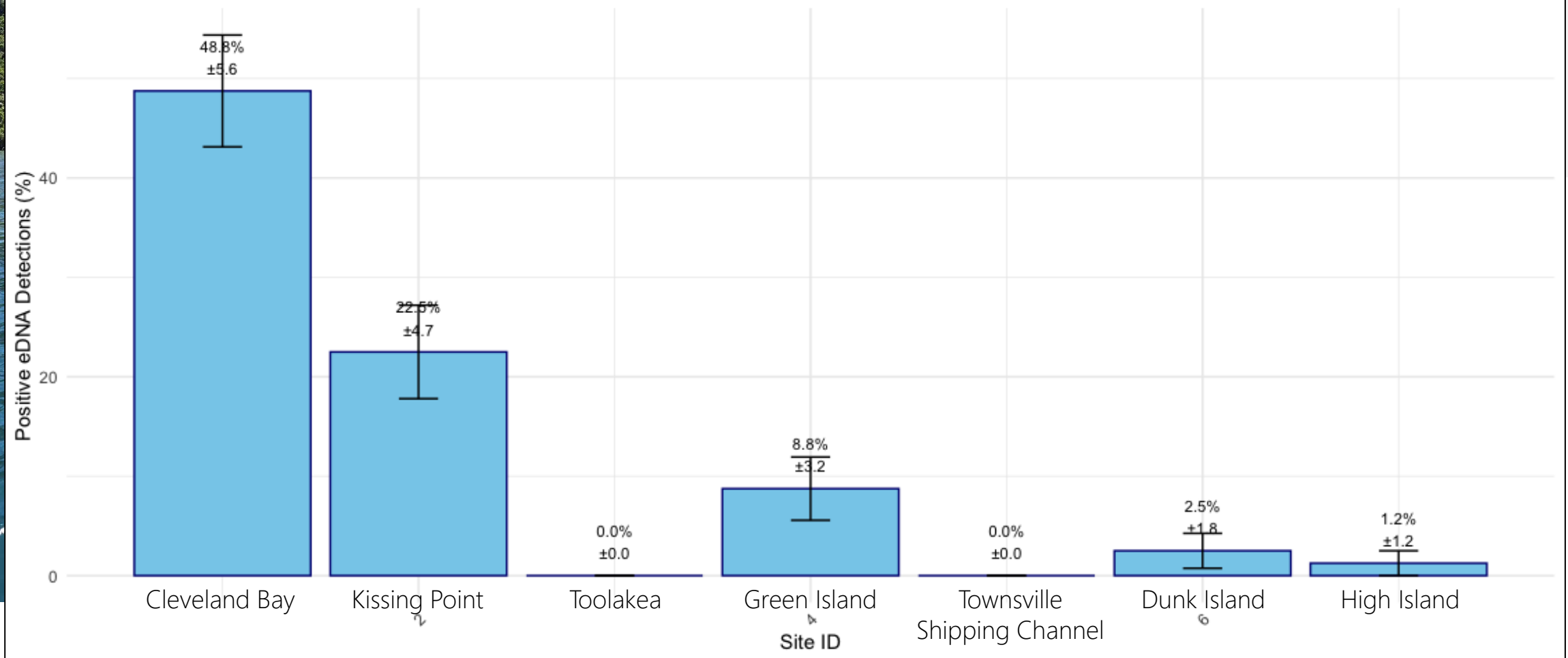
Take home message:

Larger filter pore sizes processing larger volumes work best.

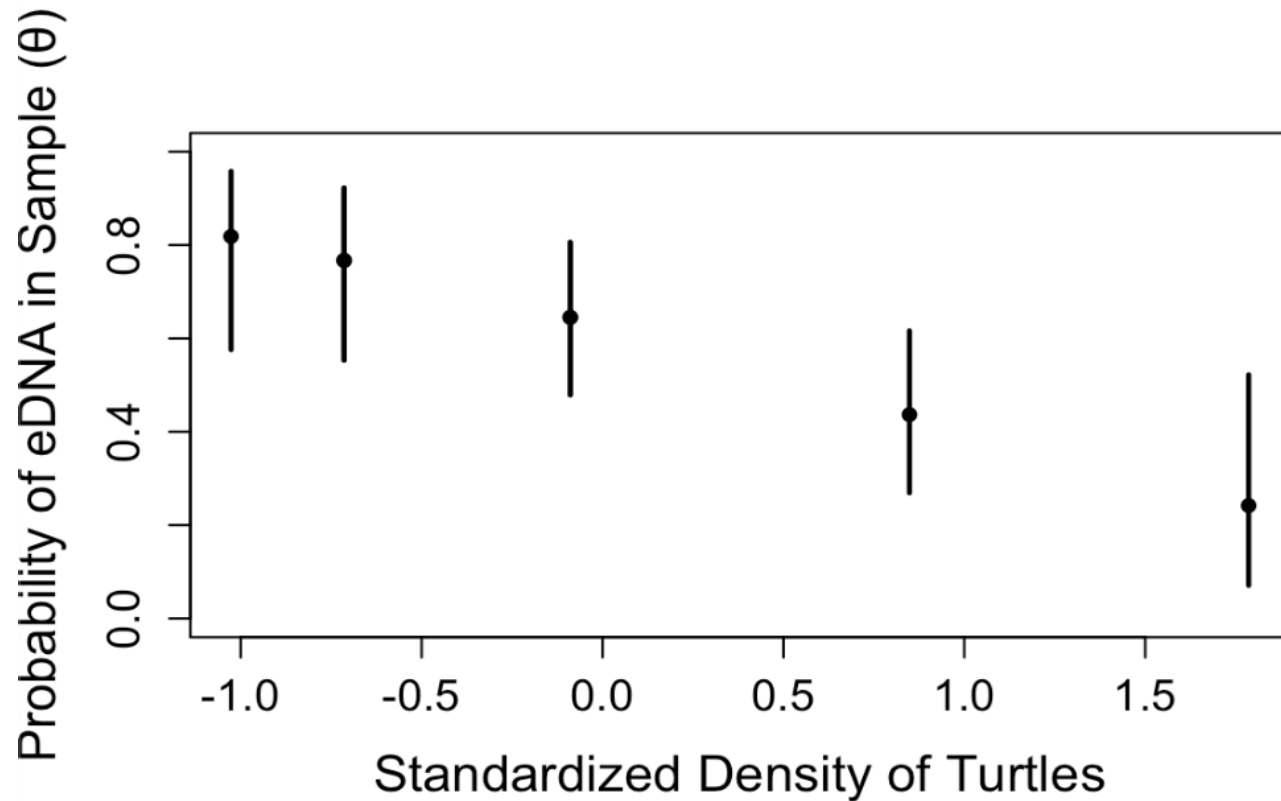


# SAMPLING IN

Percentage of Positive eDNA Detections by Open Water Site



# Occupancy Modelling eDNAoccupancy R package (Dorazio & Erickson 2017)



Negative relationship

BUT

Confounding factors

# TAKE HOME MESSAGES

Sea turtles are shedding detectable amounts of DNA into their environments.

The best method is filtering larger volumes of water through a larger filter pore size.

