

# Does the American lobster fishery need a bait testing service to facilitate change in bait use?

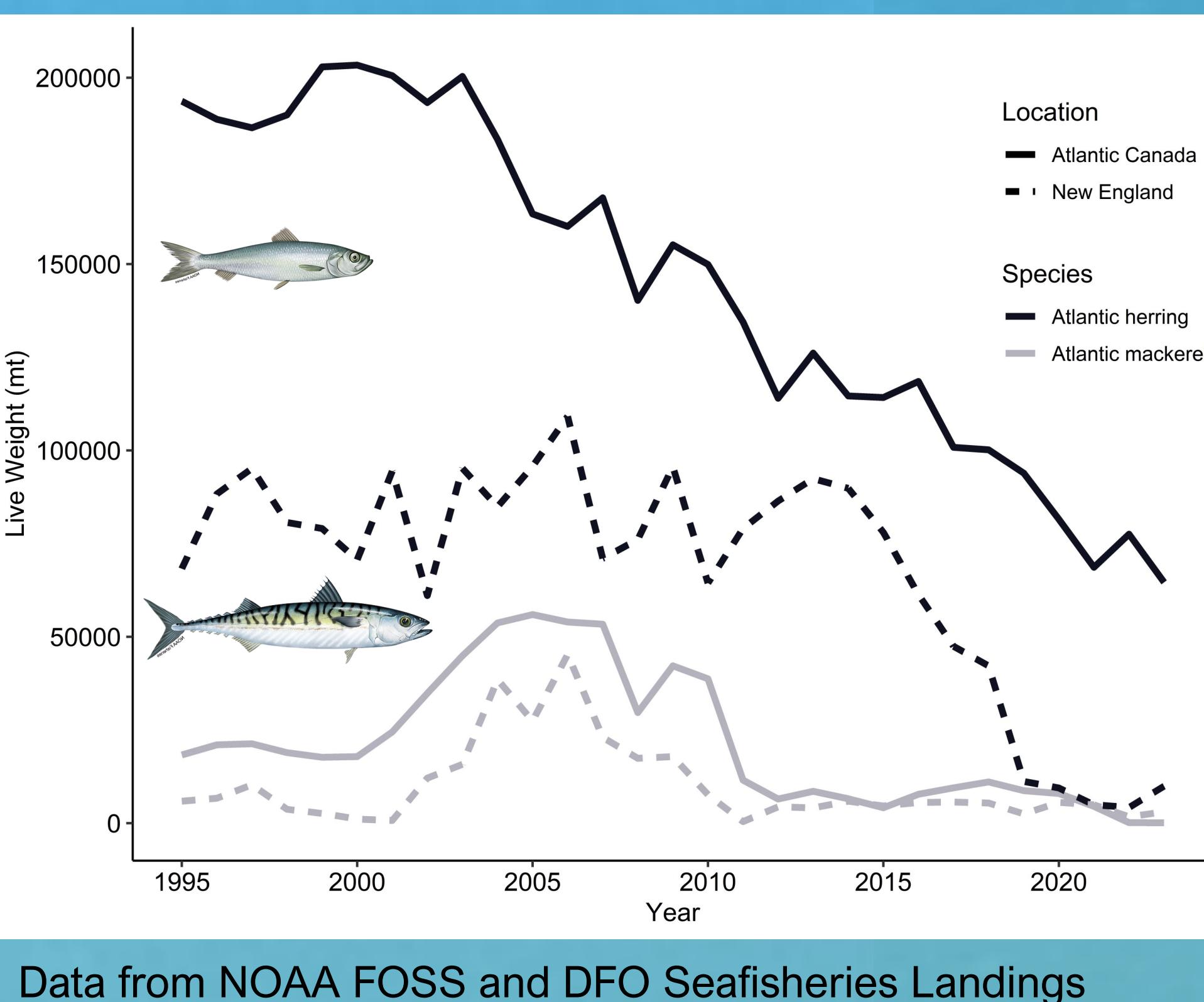
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## Problem: The Bait

- The American lobster fishery needs new baits.
- Bait costs are increasing and the sustainability of some bait fisheries is questionable.
- Industry must find new baits on their own, risking livelihoods on the possibility of poor performing baits.



## A Solution: a Bait Testing Service

A science-based testing service could help facilitate the discovery and implementation of sustainable alternative baits.

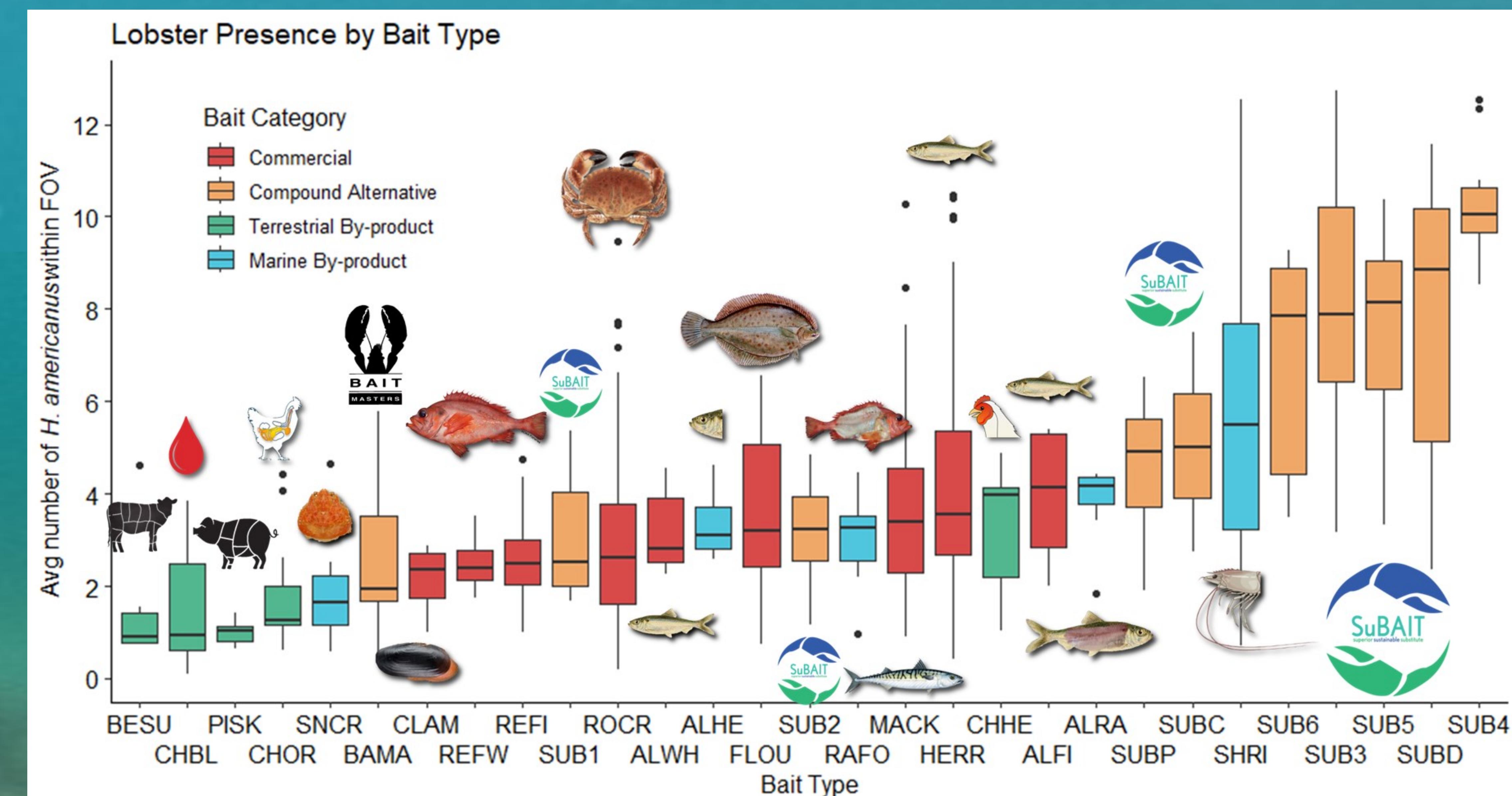
### Methods:

- Stage 1: Baited Remote Underwater Video
- Stage 2: Traps with accelerometry
- Stage 3: Catch per unit effort data



### Goal:

Foster economically feasible development of sustainable baits from a variety of sources to provide a robust solution to current bait problems.



Previous experiments have already explored the comparative attractiveness of 40 different baits. Additional factors that significantly impacted lobster responder to bait included deployment location, time of year, and benthic substrate.