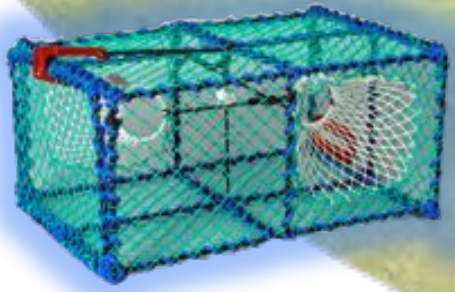


Camera Shy Cod?

Behaviour of Blue Cod (*Parapercis colias*) when interacting with cod pots



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Research Question:

Does cod potting give accurate population estimates.
Looking at size frequency and outside of the pot population

Relevance of Research:

- Shift globally towards increased management of fisheries
- Fishery's management relies on accurate estimations
- Blue Cod Important commercial and recreational species In New Zealand

Fact:

Blue Cod are able to change gender between male and female depending on size ,food, social structure and environmental conditions.

Methods:

- Cod pots with 4 cameras set off the Otago coast.
- Record timing and size entering the pot
- Estimated size using known length in the Pot
- Recorded snapshot every 5 minutes of fish outside of the pot.
- Compared fish caught versus number seen outside

Expected results:

- Smaller Blue Cod enter the pot first
- Higher escape rate with larger Cod
- The more Blue Cod outside the pot results in more captured