

INDUSTRY PERSPECTIVES

New Zealand



NZ Domestic SLL Fleet

- 20 Vessels
- Operationally diverse
- Species: SBT, SWO, BIG, TOR
- South of 30°
- 5000-7000 hooks per trip (5-7 days)
- ~1 - 1.5 million hooks per annum
- ~10m branchlines
- 3 - 4 Crew



Mandated Mitigation

- Hook Shielding Devices on 100% of hooks

OR

- **Tori line** and night setting

OR

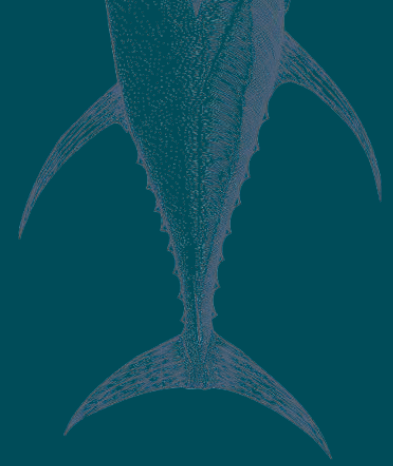
- **Tori line** and line weighting

Best Practice Recommendations (ACAP):

- 100% Hook Shielding Devices

OR

- Tori line, night setting and line weighting



Industry Learnings

- No one size fits all
- Fishers are part of the solution
- Target fishery and vessel specific
- Trial and transitional support
- Affordable

Our focus

To support fishers to test different types and combinations of mitigation on their own vessels across their different fisheries

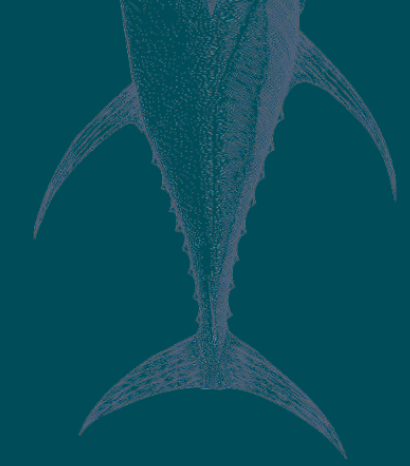


Line Weighting

- Health & Safety Management
- Various options
 - Sliding weights
 - Weighted hooks
 - Lead swivels
- Any weight > sink rate than 0 weight

Upcoming trials 2024-25

- Procella 2.0 Hooks
- Weighted Swivel
- With and without Hook Pods



Tori Lines

- Baseline for NZ domestic fleet
- Streamers are key
- Aerial extent to protect where hooks are available to birds
- Most effective when specific to vessel
- No impact to catch rate



Hook pods

Current Season

- 14 vessels using Hook pods
- 13 vessels also line weighting

Performance so far

- ~1% loss rate (incl. bite offs and malfunction)
- Seabird-Snood entanglement rate are very rare
- Increased weighting when using hook pods



Combinations of Mitigation

No one size fits all - every vessel is striving to improve and tailor their mitigation.

In lower risk fisheries the mandatory baseline is used:

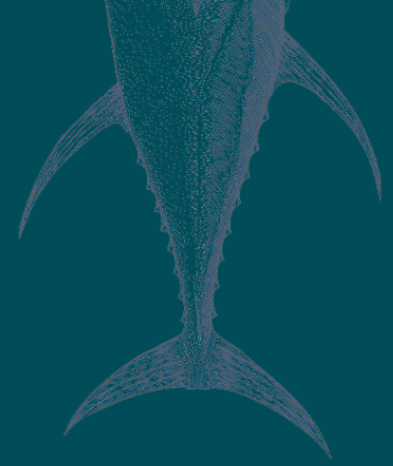
- *Tori line + weighted hooks*
- *Tori line + night setting*
- *Hook pods + weighted hooks*

In higher risk fisheries additional mitigation is used:

- *100% Hook pods + weighted hooks + extra weight at clip + night setting*
- *<100% Hook pods + tori line + weighted hooks + night setting*

In addition, skippers have also committed to:

- *Dying squid bait blue (common practice)*
- *Using hauling mitigation*

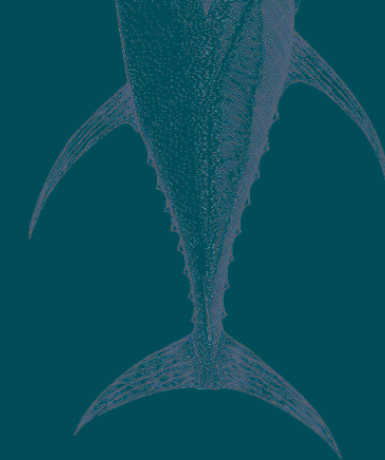


Implementation Success

- Outreach and engagement programme
- Provide mitigation resources, training, advice to fishers
- On-call mitigation experts to support fishers responding to escalating interactions
- Education not compliance

Toolbox Approach

- Mandatory Mitigation provide an agreed baseline
- But there are more tools in the toolbox
- Industry responsible to ensure the tools are used appropriately in fishery specific operations



Key Learnings

- Problem recognition is fundamental
- Toolbox Approach
- Allow fishers to determine vessel specific combinations
- Provide support at all stages
- For our domestic fleet this approach has been the most effective.



Questions?



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