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Department of Conservation

MIT2018-01: Protected Species **Engagement Project**

Draft interim progress report for the **Conservation Services Programme**

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Introduction

Reducing the impacts of commercial fishing on protected species relies on individual fishermen actively applying best practice mitigation methods to their fishing activity. Applying and developing mitigation methods in specific circumstances also requires an understanding of the protected species that may be impacted, and the nature in which they interact with fishing activity.

When protected species are accidentally captured in commercial fisheries, correct handling can greatly reduce the negative impact to the animal. This project involves the production of multimedia resources for fishermen on mitigation measures and best practice handling methods. It builds upon existing educational resources developed (protected species identification quides etc.)

Objectives of this project

- To produce six short animated videos on key mitigation measures to demonstrate the deployment of key mitigation gear in the commercial fishing industry
- 2. To produce a pictorial guide on the handling of marine protected species
- 3. Provide translations in five languages for both the videos and the handling guide

Method

To address the first objectives of this project, six animated videos on key mitigation measures were developed. Videos provide a quick and effective way of delivering information across a range of platforms. Animation was the preferred method of information delivery due to the 'paired back' nature of the imagery enabling main messages to be communicated effectively. The animations include both on screen text and voiceover. Videos range from 1:13 to 2:50 minutes and were prepared based on multiple rounds of presentation and feedback. Initial stakeholder feedback was sought on the individual storyboards at a workshop on 7 March 2019 where representatives from MPI, DOC and Fisheries were present. Topics of the six videos cover: bird bafflers, tori/streamer lines, hook shielding devices, discard management, light management and sink rate. Feedback was collated and amendments made before proceeding with animation.

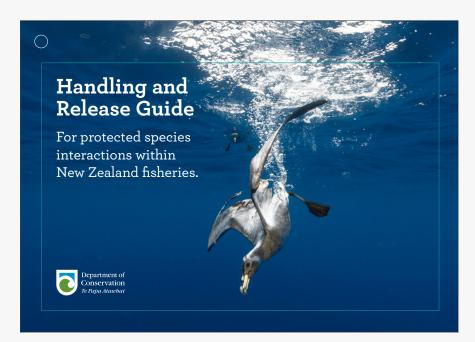
The pictorial handling guide has also been developed alongside the video production with illustrations developed based on detailed photos and guidance provided by DOC. Protected species covered in the guide are seabirds, dolphins and whales, rays, turtles, seals and seal-ions, sharks and sea snakes. As with the mitigation videos, multiple rounds of presentation and feedback was sought. The pictorial guide has been designed to be utilised as a digital and physical resource. The guide is designed to complement the current protected species identification guides – to be printed to A5 size on waterproof paper with a ring bind.

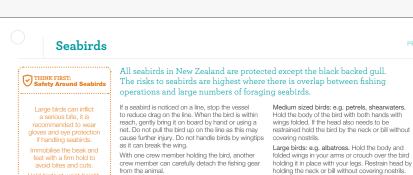
All resources were developed based on current DOC design guidelines.

Next steps

- The resources will be presented to the Conservation Services Programme Technical Working group on 17 July 2019 for final feedback before going to translation services for translation into Russian, Indonesian, Korean, Ukranian and Japanese. Resources to be finalised by August 2019.
- 2. Delivery avenues investigated and confirmed to allow the most efficient dispersal of the resources to the target market.
- 3. Creation of a short promotion animation for social media
- Final report to be delivered after 6 months of resource circulation covering the effectiveness of the resources and recommendations going forward.

Handling and Releasing guide





from the animal. Small birds: e.g. storm petrels, diving petrels. Bird can be held in one hand with its back in the palm of the hand and the neck between index

and middle fingers.



Hold birds at waist-height,

well away from your face.







Penguins: Hold the penguin firmly by the neck. Put

the penguin under your arm to hold the flippers in.

grip to avoid bites. Hold the bird, with wings folded,

Gannets: Hold back of head firmly and maintain

pg 1

Seabirds

If a live seahird is landed on the vessel

- Once a seabird is on board, move slowly around it.
- Keep the bird's bill away from your face to avoid injury.
- Cover the bird's eyes and head with a loose cloth to help calm it, making sure to keep nostrils exposed. For gannets, which do not have nostrils, allow the bill to stay slightly open.
- Fold wings into resting position and hold gently but firmly to the bird's body. Avoid applying pressure to the breast as this may cause damage. Never restrict the bill or

How to remove a hook

- With one crew member holding the bird. another crew member can detach the fishing gear from the animal.



- Exposed hooks in bills or neck can be snipped off. Flatten the barbs with pliers or cut off barbs with snips if pulling hook back through the tissue.
- If the hook is swallowed, cut the line as close to the mouth as possible. Do not try and pull hook out from inside the bird. Untangle and cut away any line caught around the bird's wings, body or legs.



- Waterlogged birds will need to be dried off before release. Dry any excess water off carefully with cloth. Place the bird in a box with air holes in a sheltered area away from sunlight and wind. A towel in the base of the box with aid in absorbing excess water from the bird. Do not place the box in a heated wheelhouse or galley. The animal is safe to release once feathers are dry and it appears alert.



Animation - storyboard for Streamer/Tori Lines

