

Trawl - Protected Species Risk Management Plan

FV (ID)		Port		Date	
Owner		Skipper(s)			

Purpose: This PSRMP documents agreed procedures and actions that skippers will follow to reduce risk of protected species captures and includes implementation of best practice Mitigation Standards. Skipper(s) and crew are also to read and understand the supporting Operational Procedures. Information in this plan will be provided to MPI and SNZ for reporting and management.

Regulations: All protected species captures are reported using the electronic NFPS Catch Report.

MS Alignment: ☐ 1.1, ☐ 1.2, ☐ 2.1, ☐ 2.2, ☐ 3.1, ☐ 3.2, ☐ 3.3, ☐ 3.4, ☐ 4.1, ☐ 4.2, ☐ 4.3



Additional
Resources

Vessel's Practices – Health and Safety of crew comes first	
Discharge management	<ul style="list-style-type: none"> - <u>Shooting and Hauling</u>: No discharge immediately before or during - <u>Towing</u>: No continuous discharge, fish waste is held or batched at intervals (select one or indicate if both) - <u>Storage & discharge point</u>: E.g. Stored in fish bins and dumped from stern while steaming - All practicable stickers are removed from the net before each shot. - Gear and deck kept clean, scuppers controlled to contain fish waste during processing
Warp	<ul style="list-style-type: none"> - <u>Warp mitigation device</u>: E.g. baffler, warp-deflector, tori line, etc <ul style="list-style-type: none"> - Where: E.g. on side closest to discharge - When: E.g. Always, unless there is no risk to seabirds as agreed with LO - Warps not overly greased; sprags removed; splices wrapped and not near surface when towing - Synthetic warps: E.g. red Dyneema
Net	<ul style="list-style-type: none"> - Minimise time net is at/near surface to reduce risk of seabird interactions - Fishing gear/equipment is regularly inspected and maintained, and repairs occur while net is onboard or when low-risk to seabirds
High-risk periods/areas	<ul style="list-style-type: none"> - E.g. avoid fishing around high seabird abundance or over full moon - Avoid shooting amongst large numbers of protected species - Some high-risk periods/areas include: (include areas and times discussed with LO) - Areas avoided when using external lights at night: x
Acoustic deterrents	- Number, make, model, intensity, spacing, battery change schedule, performance checks and indicate where/when in use
Light management	<ul style="list-style-type: none"> - Lighting reduced to minimum requirements and intensity for operations and safety - Essential lights are shielded, angled, and/or positioned to only light required areas
Other	<ul style="list-style-type: none"> - Skipper and crew follow safe protected species handling and release procedures - Dead captures are shown to the camera for independent ID; report bands to your LO - Laser: Y/N (Identify type, intensity and when in use)

Contact your Liaison Officer when a TRIGGER POINT is reached

24 hr	(Alive or Dead) Any great albatross, penguin, dolphin, whale, sea lion, turtle or basking shark (Alive or Dead) 2 albatrosses/mollymawks, or 5 small (e.g. petrel/shearwater) seabirds (Dead) Any black petrel, flesh-footed shearwater or white pointer shark	
7 day	(Alive or Dead) 10 protected seabirds of any type or 5 fur seals	
Contact:	Ph:	Email:

TEN GOLDEN RULES

FOR INSHORE TRAWL FISHING TO SAVE PROTECTED SPECIES

- 1. Ensure your vessel has on board the current inshore Trawl Operational Procedures (OP), a Protected Species Risk Management Plan (PSRMP), and a map of the current trawl prohibition areas, and that you and your crew are familiar with them.**
- 2. While the net is in the water, either hold or batch discharge fish waste away from the path of the warps.**
- 3. Always have a fit & proper bird scaring device onboard and deploy it anytime there is a risk to seabirds, i.e. when seabirds are present and when discharging fish waste near warps.**
- 4. Ensure warps are not overly greased, all warp splices are wrapped and not near the water's surface, and that any sprags are removed or 'whipped'.**
- 5. Minimise time trawl gear is at or near the surface. Whenever possible conduct gear maintenance/repairs while net is onboard.**
- 6. Remove stickers from net before shooting, especially small fish and squid.**
- 7. While ensuring safe operating standards, minimise and contain lighting so not to attract or disorientate seabirds, especially while sheltering, at anchor, or steaming past colonies.**
- 8. Ensure you and your crew follow safe protected species handling procedures and protocols. Record and report bird band numbers to your Liaison Officer.**
- 9. Report protected species captures by ERS. Remember it is not illegal to catch a protected species but it is illegal to not report it!**
- 10. Notify your local Liaison Officer (same day) when protected species captures reach a Trigger point. Assess the event and, if possible, implement further risk reduction.**

For support phone your local Liaison Officer.

DOC CSP Protected Species Liaison Programme Trawl10GRs (Version 5 Dec 2025)



New Zealand Coastal Trawl Operational Procedures Protected Species Risk Management

Version 4.0 December 2025

Disclaimer: *These Operational Procedures do not replace or override any fisheries legislation or other regulations, including but not limited to Health & Safety, Maritime Safety, Fisheries, Animal Welfare or the Wildlife Act. Vessel operators are required to ensure that both they and their crew understand all regulations and requirements that are relevant to the fisheries and environment that they are operating in, whilst always maintaining crew and vessel safety.*

1. PURPOSE

The purpose of the Operational Procedures (OPs) is to provide a structured approach to the mitigation of risk to protected species.

The New Zealand fishing fleets, both inshore and deepwater, experience some level of monitored capture.

Many protected species are of great importance to the wider community and have tourism value in some regions. All protected species have biodiversity value to New Zealand and varying levels of population and threat status, with government and relevant agencies monitoring and managing impacts on their populations.

There are legal frameworks and guidelines in place for specific protected species groups. Seafood New Zealand (SNZ) Operational Procedures (OPs) aim to summarise key information on risk and mitigation options for inshore fisheries.

The OPs align with the 'Mitigation Standards to Reduce the Incidental Captures of Seabirds in New Zealand Commercial Fisheries' (Toolbox of Measures) developed by the Department of Conservation (DOC) and Fisheries New Zealand (FNZ). These standards, based on international best practice and statutory requirements, provide bycatch mitigation options that are above and beyond minimum legal requirements.

The OPs sit alongside vessel-specific Protected Species Risk Management Plans (PSRMPs). The PSRMPs document each vessel's individual approach to minimising risk to protected species and how they implement the OPs, legal requirements, and mitigation standards.

Fishers are legally required to reduce any undue impact on protected species and report all interactions with protected species using an electronic Non-Fish Protected Species (NFPS) capture form.

Remember it is not illegal to catch a protected species however it is illegal not to report it.

The ultimate mitigation practice is to **LOOK – THINK – ACT**

2. LEGISLATION AND GUIDING POLICY DOCUMENTS

The Wildlife Act and Marine Mammals Protection Act

The Department of Conservation (DOC) are responsible for the Wildlife Act 1953 and Marine Mammals Protection Act 1972. The Acts protect various species, and it is an offence to hunt, kill, take, disturb, possess, buy, sell or destroy any protected species or any part of one without a permit. For some species (e.g. Antipodean albatrosses, Hector's dolphins) you may receive an authorisation from DOC to retain these for analysis ashore.

It's not an offence to accidentally catch any of these species if they are released immediately and the capture is reported accurately as soon as possible to DOC and MPI, via your electronic logbook.

Crew must observe safe handling practices for themselves and protected species when dealing with captured animals. Handle animals with care to minimise any further stress, harm or injury, and to maximise the chances of post-release survival. Refer to the [DOC Handling and Release Guide](#) for further diagrams and instructions.

The Fisheries Act

The Fisheries Act 1996 regulates fishing and is administered by Fisheries New Zealand (FNZ). They produce the mitigation and reporting circulars which describe the legal requirements. See the Reporting Requirements (Section 3) and Mitigation Measures (Section 8) of this OP for more information.

Beyond this, FNZ have only reasonably blunt tools to regulate impacts on protected species – for example closed areas/seasons and setting fisheries related mortality limits (FRMLs). The goal of this OP and the support you receive from DOC Liaison Officers and Seafood New Zealand aims to keep captures sufficiently low to avoid such measures.

Department of Conservation, Conservation Services Programme (CSP)

There are provisions under the Fisheries Act 1996 for both fisheries services (which largely sit with FNZ) and conservation services (which largely sit with DOC). Conservation services are outputs produced to mitigate the adverse effects of commercial fishing on protected species, as agreed between the Minister for Conservation and the Director-General of the Department of Conservation. Following consultation, industry is levied to provide services to undertake research relating to the effects of fishing on protected species and research into measures to mitigate the adverse effects of commercial fishing on protected species.

The DOC Liaison Programme is one such output enabled through CSP, and Liaison Officers are your primary contact to utilise for mitigation advice and protected species capture responses.

National Plan of Action - Seabirds

The National Plan of Action – Seabirds ([NPOA](#)) is part of an international management framework that guides seabird risk management. It is a requirement of the Agreement on the Conservation of Albatrosses and Petrels (ACAP) of which New Zealand is a signatory. It is also linked to United Nations Food and Agriculture Organisation (FAO) processes and guidelines.

The NPOA guides assessment and management of risk to seabirds in New Zealand fisheries. This management comes mostly from Fisheries New Zealand (FNZ) and Department of Conservation (DOC) with support from fishing industry bodies such as Seafood New Zealand (SNZ).

The Risk Assessment referred to in the NPOA assesses the impact of potential fisheries mortalities on 70 of the seabird species that breed in New Zealand. Risk for each seabird species is estimated as the ratio between the estimated annual deaths from fishing and the number that the population can withstand. The risk ratios are assessed on a fishery-by-fishery basis where data is sufficient to allow this.

A key NPOA objective is to move seabird species to lower risk categories, so the populations are not threatened, and a long-term objective is to have negligible impact on all 70 seabird populations.

DOC and FNZ have published mitigation standards which specify ‘best practice’ seabird bycatch mitigation methods for each fleet to support the NPOA.

Species specific approaches

Species specific approaches are in place for some particularly at-risk species including hoiho (yellow-eyed penguin) which are managed in line with the Te Kaweka Takohaka mō te Hoiho. This is a high-level strategy which aims to restore hoiho populations in the face of pressures from human activities.

More detailed threat management plans are in place for New Zealand sealions and Hector’s dolphins which are managed with area specific fisheries related mortality limits (FRMLs).

Te Mana O Te Taiao Aotearoa New Zealand Biodiversity Strategy 2020

The Government also administers the [Biodiversity Strategy](#) which includes the objective (12.2.1):

The number of fishing-related deaths of protected marine species is decreasing towards zero for all species.

3. REPORTING REQUIREMENTS

All protected species captures must be reported. Protected species are considered caught if they have become fixed, entangled, or trapped in such a way that they cannot move freely or free themselves. Deck strikes must also be reported and are defined as: where a bird collides with, or lands on a vessel or its superstructure, and is unable to leave the vessel of its own accord because it is injured or disoriented.

Instructions for completing E-logbooks, including species codes can be found here:

<https://www.mpi.govt.nz/dmsdocument/70593-Fisheries-E-logbook-Users-Instructions-and-Codes-Circular-2025>

If you are 100% sure of the identification of a protected species you have captured, use the individual species codes supplied by FNZ and available in the identification guides supplied by your Liaison Officer. If you are not 100% sure of the species identification, take a photo and send it to your Liaison Officer who may help you identify the protected species. You can use a more general group code if you are unsure (e.g. XMA - 'Smaller albatross – unidentified').

Seabirds

All seabirds, except black-backed gulls, are protected.

DO NOT USE CODE XAL (unidentified albatross). If you use this code, your Liaison Officer will be in touch to confirm ID. Please take photos and confirm with LO if you are uncertain.

Albatrosses should, as a minimum, be split into **XGA – Great albatrosses** (wandering and royals) and **XMA – Smaller albatrosses** (mollymawks). Split mollymawks to species level if you are confident – this just takes a bit of practice.

Record any leg band numbers, take a photo and send it to your LO. These are important for scientific assessment purposes.

If dead birds have a recorder attached remove this and inform your Liaison Officer

For dead birds show them to the camera including views of the head (side on), feet, upper and lower side of wings. This is important for identification confirmation.

Marine Mammals

All marine mammals are protected including NZ fur seal, NZ sea lion, dolphins and whales. Please make sure your crew are aware of the differences between seals and sea lions and are checking all individuals as juveniles can be misidentified.

Fur seals have a pointy nose, long whiskers and a thick double layer of fur. The maximum size is 2.5 m and 150 kg (females 1.5 m, 50 kg) use code **FUR**

Sea lions have a flat nose, shorter whiskers, and 'velvety' fur. The maximum size is 3.5 m and 400 kg (females are smaller and lighter in colour 2.0 m, 160 kg) use code **HSL**

SEA is the general code for seals and sealions. If you use this code, your Liaison Officer will be in touch to confirm ID. Please take photos and confirm with your LO if you are uncertain.

Any dead marine mammals should preferably be marked before returning them to the sea, with twine or cable ties around the jaw. This avoids them being double counted if recaptured in a trawl.

Marine Reptiles

All marine reptiles, including sea turtles, sea snakes, and kraits are protected.

Three species of sea snake are present in New Zealand, and all are protected. The group code is **SSN** but they are relatively easily identifiable to species based on colour.

Although turtles breed in the tropics and subtropics, there are five species that are seen in New Zealand waters, with green and leatherback being the most common.

Leatherback Turtles (**LBT**) are easy to identify due to their size and ridged leathery looking back.

Hard-shelled turtles will be harder to split to species level – use the identification guides and the following codes:

- Green turtle **GNT**
- Hawksbill turtle **HBT**
- Loggerhead turtle **LHT**
- LHT Olive Ridley turtle **ORT**

The group code for turtles is **TLE**. If you use this code, your Liaison Officer will be in touch to confirm ID. Please take photos and confirm with your LO if you are uncertain.

Protected Fish

There are two bony fish species that are protected species:

- Giant grouper **GGP**
- Spotted black grouper **SBG**

Similar to seabirds, NZ's shark species are managed under a 'NPOA -Sharks' that documents the planned actions for conservation and management of those species. Several sharks and ray species are protected under NZ legislation including:

- Oceanic whitetip shark **OWS**
- Basking shark **BSK**
- Deepwater nurse shark **ODO**
- White pointer shark **WPS**
- Whale shark **WSH**
- Manta ray **RMB**
- Spinetail devil ray **MJA**

Benthic Species

A number of benthic species (things that live on the seafloor) are protected, including:

- Black corals **COB**
- Gorgonian corals **GOC**
- Stony corals **SIA**
- Hydrocorals **COR**

In addition to corals, it is a requirement under the Fisheries Act to report captures of sponges and bryozoans and record the weight of each species. These must be reported with a weight, whether they are alive or dead. For weights above a kilogram round to the nearest kilogram and use the following codes:

- Unidentified corals use **COU**
- Bryozoans use **COZ**
- Sponges use **ONG**

Identification can be difficult - if you are unsure use **CSB** which covers all three groups. However, if you use this code, your Liaison Officer will be in touch to confirm ID as not all corals are protected. Please take photos and confirm with your LO if you are uncertain.



Handling and release guide



Species ID guides



DOC Liaison Programme

4. NON-FISH PROTECTED SPECIES IDENTIFICATION AND HANDLING RESOURCES

- DOC protected species identification guides are available at: <https://www.doc.govt.nz/our-work/conservation-services-programme/csp-resources-for-fishers/protected-species-identification-guides/>
- A detailed set of invertebrate NFPS material is available at: https://fs.fish.govt.nz/Doc/23020/AEBR_86.pdf.ashx
- Earth Sciences NZ invertebrate guides are available at: <https://niwa.co.nz/oceans/identification-guides>
- Handling and Release Guide – For protected species interactions within New Zealand fisheries: <https://www.doc.govt.nz/globalassets/documents/conservation/marine-and-coastal/marine-conservation-services/resources/protected-species-handling-guide-2022.pdf>

Fishers can request hard copies of these documents in both English and Indonesian to keep onboard, via their Liaison Officer.

5. PROTECTED SPECIES RISK MANAGEMENT PLANS (PSRMPs)

Your Liaison Officer will help with the development of your Protected Species Risk Management Plan (PSRMP). This will detail your vessel's specific approach to mitigating protected species interactions. It will summarise the legal requirements and also include a comprehensive list of non-regulated measures that reduce risk.

This is your plan – ensure that it accurately represents what is happening on your vessel.

Do not write anything into the PSRMP that you do not intend on doing.

Trigger points are included in your PSRMP to help you proactively manage NFPS interactions and tell you when to act – they are our real time reporting “threshold” system and first line of defense to escalating risks on the water.

The goal of a trigger point is to trigger a response by the skipper - to stop and think about the capture and how to avoid it happening again.

If you hit a trigger, you need to think very carefully before shooting again and aim to change something to reduce the chances of it happening again.

Report all trigger points to your Liaison Officer within 24 hours so that any follow-up can be discussed and carried out immediately.

When a trigger point is reached, the Liaison Officer and the operator/owner and skipper (noting these might be the same person at times) will work together to review the situation.

If interactions continue to escalate, or the interaction is a species of concern, the Liaison Officer, your licensed fish receiver, and Seafood NZ can support the response and ensure fleet-wide communication of high-risk times and areas.

Audit and review

The Government will audit the implementation of your PSRMP via Electronic Monitoring and port-based visits. Information collected will be provided to DOC, FNZ and the Liaison Officer.

If your NFPS interactions are continuous or significant, either the plan needs updating or practices onboard need to be improved. Your Liaison Officer can work this through with you and update your plan if necessary.

Your PSRMP may also need updating at other times. For example, if you change gear or target species, or there are changes in any element of your fishing operations that relate to the risk of protected species captures. At these times, please contact your Liaison Officer.

Camera footage will be reviewed for all protected species interactions.

6. RESPONSIBILITIES

Operator and Skipper Responsibilities

- Ensure all crew are briefed on the OP and the vessel's PSRMP and fully understand their responsibilities.
- Display a copy of the PSRMP on the bridge.
- Manage fishing operations in time and place based on experience and the information provided in this OP to minimise overlap with protected species.
- Be aware of protected species activity around the vessel and in the area; take actions to minimise risk. (See Section 8)
- Ensure correct protected species reporting to FNZ and DOC. (See Section 3)
- Ensure the Liaison Programme trigger points are reported promptly to your local Liaison Officer and work with them to review the effectiveness and implementation of content in the PSRMP. (See Section 5)
- Reach out if you need support, including for protected species ID.

Crew Responsibilities

- Know the PSRMP contents – this is your approach to minimising risk.
- Maintain a watch of seabird and marine mammal activity around the vessel and advise the skipper when there is risk that requires action.
- Advise skipper if any animal is seen caught and ensure its immediate release if alive.
- Check and maintain any mitigation equipment (e.g. Hookpods, tori lines, bafflers).

7. MITIGATION MEASURES

Legal requirements

There are a number of restrictions on trawling which can be found under the general Fisheries Regulations:

<https://www.legislation.govt.nz/regulation/public/2001/0253/latest/whole.html>.

Trawl restrictions in place for Hector's and Maui dolphins are appended to this OP

Fishers should also check with the Liaison Officer or Seafood NZ for any voluntary measures that have been adopted by region, these will be appended to this OP.

Protected Species Risk Management Plans (PSRMP)

Your Liaison Officer will help with the development of your Protected Species Risk Management Plan (PSRMP). This will detail your vessel's specific approach to mitigating protected species interactions. It will be updated regularly and include a comprehensive list of measures that reduce risk.

This is your plan – ensure that it accurately represents what is happening on your vessel.

Important mitigation measures beyond those in the regulations that should form part of your plan include:

- Offal and discards management and control
- Warp mitigation
- Minimising the amount of time nets are at the surface
- Shooting only clean nets
- Use of acoustic devices
- Light control, including when at anchor and steaming
- How you choose where and when to fish to minimise risk

8. RISK MANAGEMENT

Vessel operators need to be aware of all factors of your operation that can influence the risk posed to protected species.

RISK ITEM	RISK FOR	WAYS TO MANAGE RISK
Warp Capture	Seabirds (mostly albatross)	<ul style="list-style-type: none"> Stopping or controlling (batching) offal/waste discharge while warps are in the water will greatly reduce or even eliminate interactions - this is the PRIMARY risk reducing measure Fitting mitigation devices (tori lines, bafflers, deflectors or scarers) that are well designed and appropriately implemented will keep seabirds away from the warp danger area Ensuring warp splices are 'wrapped', and any sprags removed and 'whipped' Using Dyneema warps may reduce risk
Net Captures	Seabirds (mostly petrels, shearwaters, shags and penguins) Marine mammals Marine reptiles	<ul style="list-style-type: none"> Net captures occur during both shooting and hauling of the net. Therefore, it is important that the vessel prevents offal discharges both before and during hauling and shooting. Minimising the amount of time the net is on the surface will also reduce this risk. So, getting the gear to fishing depth and later aboard quickly is important. Avoid trailing the gear in the water while mending. Minimise 'openness' of net when shooting and hauling Avoiding setting the net when large numbers of birds or mammals are present Ensuring that the net is clean of stickers and other food attractants when being set Acoustic devices
Deck Strike	Seabirds	<ul style="list-style-type: none"> Minimise light spill, especially at anchor and when steaming close to colonies Keep deck clean

MAIN SPECIES AT RISK – SOUTH ISLAND

Seabirds at Risk	Species Code	Main Risk Area	Place, Time, Risk Profile
Buller's albatross	XPB	Particularly east coast	<ul style="list-style-type: none"> Southern species nests on the Snares and forages on both coasts Particularly vulnerable to warp strike
Salvin's albatross	XSA	Particularly east coast	<ul style="list-style-type: none"> Summer breeders on the Bounty and Snares Islands Forages on both coasts, further north on the East Coast than white-caps Particularly vulnerable to warp strike
White-capped albatross	XWM	All areas	<ul style="list-style-type: none"> Summer breeder on Auckland Islands Forages on both coast, closer inshore than Salvin's Particularly vulnerable to warp strike
Foveaux Shag and Otago Shag (previously Stewart Island Shag)	XHG	Foveaux Strait, Stewart Island, Otago	<ul style="list-style-type: none"> Present Oamaru south to Stewart Island, have been identified as far north as Banks Peninsula Fly in flocks to or from feeding grounds and forage up to 10km offshore Seabed forager (down to 30m) also forage in murky water
King Shag	XHG	Marlborough Sounds and western D'Urville	<ul style="list-style-type: none"> About 85% of all existing birds are located at five colonies: Rahuinui Island, Duffers Reef, Trio Islands, Sentinel Rock, and White Rocks Forage up to 25km from their colony Seabed forager (down to 50m) during daylight hours
Spotted shags	XPP	All areas	<ul style="list-style-type: none"> Summer breeders, ranging further from colonies outside of breeding season Can raft and feed in large numbers Hot spots –Banks Peninsula, Otago
Sooty shearwater	XSH	East coast	<ul style="list-style-type: none"> Can feed very aggressively pre- and post-breeding (Spring and Autumn) Strong diver and aggressive feeder around vessels at times Vulnerable to net capture, including when towing in shallow water
Westland petrel	XWP	West coast	<ul style="list-style-type: none"> Winter breeders at Punakaiki, small population Good divers, and boat followers
White-chinned petrel	XWC	More so East coast	<ul style="list-style-type: none"> Summer breeder on subantarctic islands Good diver

Hector's dolphin	HDO	East and West coasts	<ul style="list-style-type: none"> • Most abundant off the ECSI and WCSI but also found on the north coast (Golden/Tasman Bay and Marlborough Sounds) and south coast (Te Waewae Bay) • Patchy distribution, often in dirty shallow water and off river mouths but can extend range 20nm offshore • Thought to range further offshore at night • Use sonar to detect prey, but not 100% of the time – making them susceptible to captures • NCSI, ECSI and SCSi: Closures regulated as of June 2020. See supplemental material for maps • Subject to Fishery Related Mortality Limits, by area
Dusky dolphin	DDO	All areas,	<ul style="list-style-type: none"> • Found all around the coastline of New Zealand
NZ Sea Lion	HSL	Otago to Stewart Island	<ul style="list-style-type: none"> • Re-establishing on Mainland NZ • Present year-round in southern coastal waters
NZ Fur Seal	FUR	All areas	<ul style="list-style-type: none"> • Present year-round on entire NZ coastline, mainly rocky shores • Main SI colonies in Kaikoura, D'Urville Island Separation Point, Cape Foulwind, Banks Peninsula, Otago, Stewart Island, Ruapuke, Fiordland, the Solander Islands
Great white shark (White pointer)	WPS	Particularly Stewart Island and Foveaux Strait	<ul style="list-style-type: none"> • Most common over summer, particularly Nov-Mar • Trans-Tasman population (range between NZ, Australia and the South Pacific islands – highly migratory species)

MAIN SPECIES AT RISK – NORTH ISLAND

Species	Species Code	Main Risk Area	Place, Time, Risk Profile
Black petrel	XBP	East coast	<ul style="list-style-type: none"> • Summer breeder on Great and Little Barrier (migrate to S. America) • Aggressive feeding on arrival into NZ and before departure • Naturally forages offshore at shelf break but follows boats inshore • Good diver
Flesh-footed shearwater	XFS	East coast	<ul style="list-style-type: none"> • Summer breeder on several Islands on East Coast to Marlborough Sounds and Sugarloaf Islands off Taranaki (migrate to N. Pacific). • Aggressive feeding on arrival into NZ and before departure • More inshore distribution than black petrel • Even better diver than black petrel
Buller's albatross	XPB	All areas	<ul style="list-style-type: none"> • Southern species nests on the Snares and forages on both coasts • Particularly vulnerable to warp strike
Salvin's albatross	XSA	All areas	<ul style="list-style-type: none"> • Summer breeders on the Bounty and Snares Islands • Forages on both coasts, further north on the East Coast than white-caps • Particularly vulnerable to warp strike
White-capped albatross	XWM	All areas	<ul style="list-style-type: none"> • Summer breeder on Auckland Islands • Forages on both coast, closer inshore than Salvin's • Particularly vulnerable to warp strike
Dusky dolphin	DDO	All areas	<ul style="list-style-type: none"> • Found all around the coastline of New Zealand, but more so on the east coast North Island
NZ Fur Seal	FUR	All areas	<ul style="list-style-type: none"> • Present year-round on entire NZ coastline, mainly rocky shores • Main NI colonies
Great white (White pointer)	WPS	North east coast	<ul style="list-style-type: none"> • Most common over summer, particularly Nov-Mar • Trans-Tasman population (range between NZ, Australia and the South Pacific islands – highly migratory species)

Hector's and Māui dolphins Threat Management Plan

North Island fisheries measures



Below is a summary of the new fisheries measures to support the Threat Management Plan for Hector's and Māui dolphins, which come into effect on

1 October 2020.

Hector's and Māui dolphins are only found in New Zealand waters and together are one of the world's rarest dolphin species.

Extensive measures are already in place to reduce fishing-related threats to Hector's and Māui dolphins and more is needed to be done to protect them.

The Government is extending and creating new areas that will prohibit the use of commercial and recreational set-nets in both the North Island and South Island.

While trawl fishing poses a lower risk of fishing-related mortality, given the critically endangered status of the Māui dolphin, the Government is also extending the trawl prohibition within the central Māui dolphin habitat zone.

What does this mean for the North Island?

The west coast North Island, from Cape Reinga down to Wellington, will see new measures introduced.

- New commercial and recreational set-net closures out to 4 nautical miles offshore will be created between Cape Reinga and Maunganui Bluff, and between Hawera and Wellington.
- Set-net closures will be extended between Maunganui Bluff and the Waiwhakaiho River (New Plymouth) from 7 nautical miles to 12 nautical miles offshore, as well as between the Waiwhakaiho River and Hawera from 2 nautical miles to 7 nautical miles offshore.
- Set-net closures within the Manukau Harbour will be extended to Taumatarea Point in the north and Matakawau Point in the south within the harbour.
- An extension to commercial trawl closures between Maunganui Bluff and Pariokariwa Point will be put in place, extending south to the Waiwhakaiho River (New Plymouth) and to 4 nautical miles offshore. This falls within the central Māui dolphin habitat zone.
- Commercial and recreational drift netting will be banned in its entirety in all New Zealand waters.
- A change to the regulations allows the Minister to act immediately to impose further restrictions if a single dolphin is caught in the Māui dolphin habitat within the west coast of the North Island.

How do the measures affect commercial fishers?

The measures will prevent commercial set-net fishing in the areas outlined above, extend closures to trawl fishing in the central Māui dolphin habitat zone, and prohibit drift netting in all New Zealand waters. These changes are significant to fishers who operate between Maunganui Bluff and Hawera, given the scale of the offshore extensions. However, the measures will also be notable in the Northland, Manawatu-Whanganui, and Wellington (Kapiti) regions where there are currently few or no commercial restrictions on the use of set-net.

An additional new measure will enable the use of commercial ring nets in set-net prohibition areas within west coast North Island harbours; this fishing method poses a low risk to Māui dolphins.

Other commercial fishing methods including drag netting and beach seining may continue to be used unless otherwise prohibited.



Fisheries New Zealand

Tini a Tangaroa

Will the new measures impact customary fishing?

Tangata whenua may still authorise customary fishing to be carried out by non-commercial or commercial fishers, with or without a fishing vessel, using any type of gear or method.

What do the measures mean for recreational fishers?

Recreational fishers will no longer be able to fish using set-nets in the areas outlined above, or drift net in any New Zealand waters. The set-net changes will be notable in the Northland, Manawatu-Whanganui, and Wellington (Kapiti) regions where there are currently few or no restrictions on the use of set-net.

Other recreational fishing methods including drag netting and beach seining may continue to be used unless otherwise prohibited.

What does this look like in your area?



For more information, please visit www.fisheries.govt.nz/dolphintmp or contact dolphintmp@mpi.govt.nz



Seabird Bycatch Mitigation Standards Guide

Under 28m Trawl

What Are Seabird Bycatch Mitigation Standards?

August 2021

The seabird bycatch Mitigation Standards were developed alongside the NPOA Seabirds 2020. They document the 'best practice' mitigation methods for reducing the risk of seabird captures in New Zealand commercial fisheries. It is expected that by 2025 each vessel will have a Protected Species Risk Management Plan (PSRMP) that is tailored to their operational needs and works towards achieving the best bycatch mitigation options available.

These Mitigation Standards do not replace or override any fisheries regulations, or legislation on workplace health and safety, maritime safety, or other relevant subject.



'Best Practice' Mitigation Methods

1. Control the discharge of fish waste

- No discharging of fish waste immediately before or during shooting or hauling.
- During the tow, only discharge fish waste if it is batch discharged.
- Document a plan for fish waste discharge should there be any equipment failures. Keep a copy on board.
- Whilst still allowing the free movement and egress of water, maintain a secondary system that prevents uncontrolled fish waste discharge (*i.e.* equipment to minimise fish waste lost to factory floor or deck, grating and/or trap systems in fish sorting and gutting areas that lead overboard).

2. Protecting seabirds from trawl warps

- While discharging fish waste, have a seabird scaring device on/near the warp nearest to the side discharging.
- Ensure the seabird scaring device is well maintained, with spare parts onboard.
- Ensure warps are well maintained (*i.e.* not overly greased, splices 'wrapped', sprags removed or 'whipped', and splices are not near the water's surface).
- Seabird scaring devices do not need to be deployed if the vessel is operating at a time and place that the operator and Liaison Officer agree poses no risk to seabirds.

3. Minimise any attractions or access to the trawl net itself

- All practicable stickers are removed from the net before each shot.
- Minimise the time the net is at or near the surface of the water. Shoot and haul as quickly as practicable.
- Regularly inspect and maintain gear and equipment to reduce the risk of gear failure.
- Where possible, conduct maintenance during periods of low risk to seabirds and with the net on board.

4. Minimise deck landings or vessel impacts by seabirds

- Keep additional and unnecessary deck lighting to a minimum so as not to attract or disorientate seabirds, especially while sheltering or at anchor.
- Keep gear and deck clean of any remaining fish waste where possible.
- Ensure crew are familiar with safe seabird handling procedures (see [DOC Handling and Release Guide](#)).

For More Information

Contact your Liaison Officer for any questions you may have. They will be working with you to try and achieve these Mitigation Standards. The full document is available on the [MPI website](#).

Managing artificial lights to reduce seabird vessel strikes



Aotearoa New Zealand is the seabird capital of the world. Our seabirds are taonga (treasures) and our long coastline is dotted with their colonies. Unfortunately, many of our seabirds are threatened with extinction, so managing threats, including light pollution, is critical to their survival.

Why is light management important?

Many seabirds get disorientated by artificial lights at night, which can lead to collisions with vessels (vessel strikes). Following vessel strikes, seabirds can be contaminated with chemicals on deck (eg oil or fuel), causing loss of waterproofing and subsequent drowning. Vessel strikes can also cause direct seabird deaths. The risk of vessel strike is highest during foggy and rainy nights.

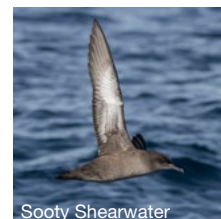
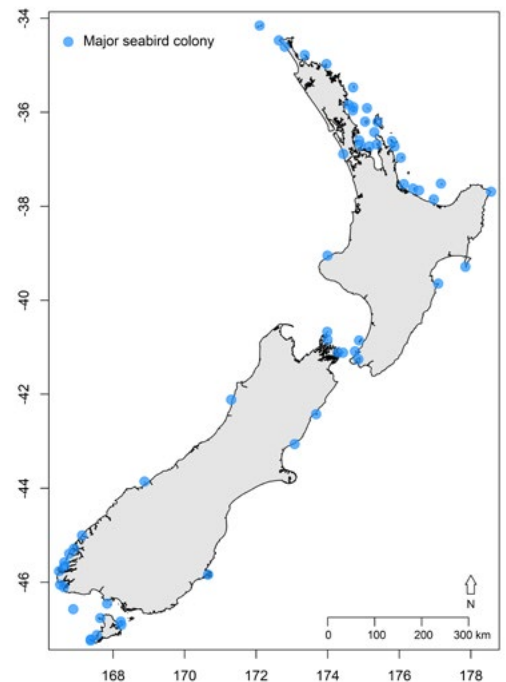
What can you do to help seabirds?

We recommend taking the following actions, while maintaining vessel and crew safety.

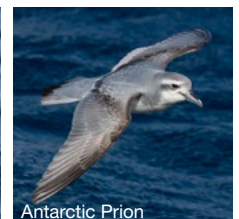
- Minimise light use, especially spotlights and floodlights, when you are within 5 km of an offshore island, where most seabird colonies are located.
- Avoid unnecessary movements and activities at night.
- Eliminate unnecessary lights.
- Shield lights to only light areas essential for safe operations.
- Use lights with reduced or filtered blue and violet wavelengths (eg 2200 K).
- Use black-out blinds wherever possible.
- Practice safe seabird handling and release techniques when vessel strikes occur (see diagrams below).
- Record and report vessel strikes.

Commercial fishers

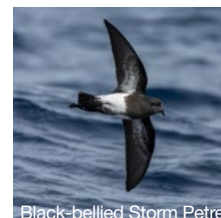
- Follow your Protected Species Risk Management Plan and operational procedures.
- Contact your liaison officer for more information.



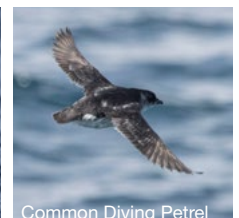
Sooty Shearwater



Antarctic Prion



Black-bellied Storm Petrel



Common Diving Petrel

Shearwaters and petrels (including diving petrels, storm petrels and prions) are particularly susceptible to vessel strikes. *Photos: Oscar Thomas*

Safe seabird handling techniques

Small birds



Medium birds



Dry off waterlogged bird before release



Safe release techniques



Slow or stop vessel, sit it on the deck railing and when wings open allow it to fly off



Department of
Conservation
Te Papa Atawhai

For more information contact marine@doc.govt.nz.



**Te Kāwanatanga
o Aotearoa**
New Zealand Government



Protected Species Information for Commercial Fishers

Toanui/Flesh-footed Shearwater

Where are flesh-footed shearwaters?

Breeding location: Toanui/Flesh-footed shearwaters breed on islands off the coast of north of New Zealand and in the Marlborough Sounds, Australia, and on St Pauls Island in the Indian Ocean. Mauima/Lady Alice Island, Northland Ohinau Island, Coromandel and Titi Island, Marlborough also carry large colonies.

Breeding time: Toanui/Flesh footed-shearwaters breed from September to May. When they are not breeding, they migrate to the Northern Hemisphere to forage around Japan, India, and North America.

Foraging distribution: Toanui/Flesh-footed shearwaters forage and feed in the entire inshore area of the North Island and the upper South island, with concentrations found closer to where they breed. Offshore they extend and are found on the East and West of the North Island. They are active at the day and night during their breeding season, with most feeding occurring during the day.



How to recognise flesh-footed shearwaters

Toanui/Flesh-footed shearwaters are approximately 45cm long and are dark brown. They have a light pink coloured bill and white-flesh coloured legs and feet.

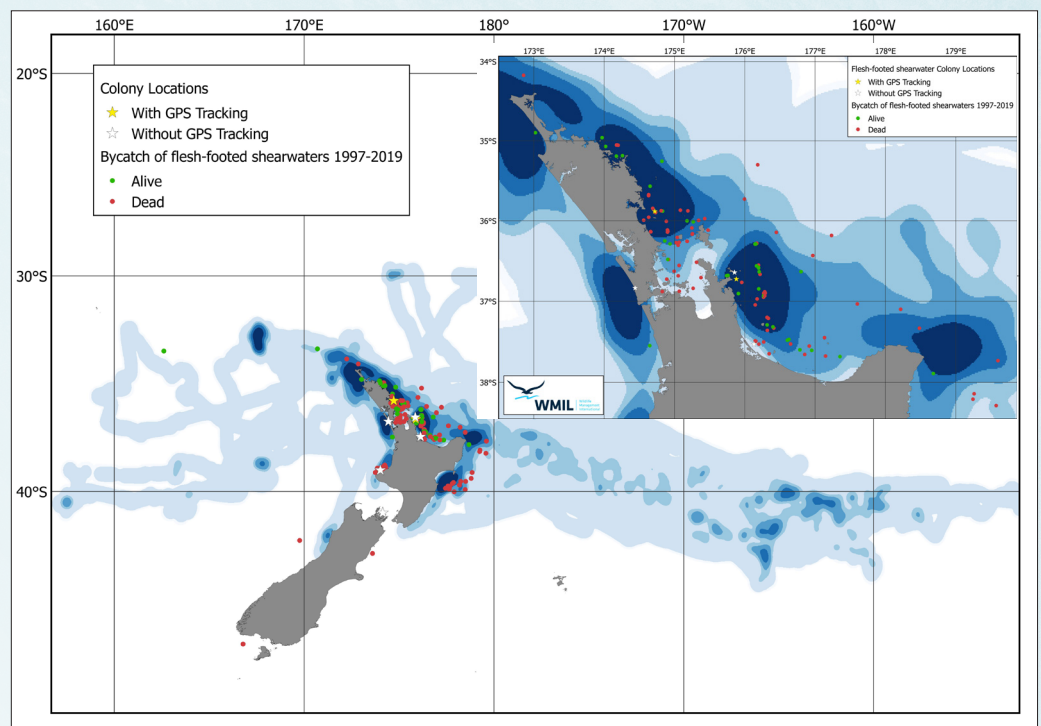
Distribution Map:

The distribution map shows where flesh-footed shearwaters are more likely to be found during the breeding season and where bycatch has occurred.

The dark blue areas indicate where numbers are most concentrated (hot spots) for foraging and feeding. These areas are also where most captures have been reported.

This data was accumulated from 1997 to 2019 breeding seasons.

It is not illegal to capture seabirds. IT IS ILLEGAL not to report captures of seabirds.





Protected Species Information for Commercial Fishers

Tākoketai/Black Petrel

Where are black petrels?

Breeding location: Tākoketai/Black petrel breed only in New Zealand. There are two remaining breeding colonies found in the Hauraki Gulf on Aotea/Great Barrier Island and Te-Hauturu-o-Toi/Little Barrier Island.

Breeding time: Tākoketai/Black petrel breed from October through to June each year. When they are not breeding, they migrate to South American waters to forage and feed.

Foraging distribution: Tākoketai/Black petrels forage and feed in the entire inshore area of the East Coast of the North Island from Mahia to Kaitaia. Their distribution is focused on deeper water near the continental shelf, with concentrations found closer to Great Barrier Island where they breed. Offshore they extend and are found on the East and West of the North Island.



How to recognise black petrels

Tākoketai/Black petrels are black or very dark brown, with black feet. The bill is pale yellow with a black tip and a distinctive double tube nostril on top.

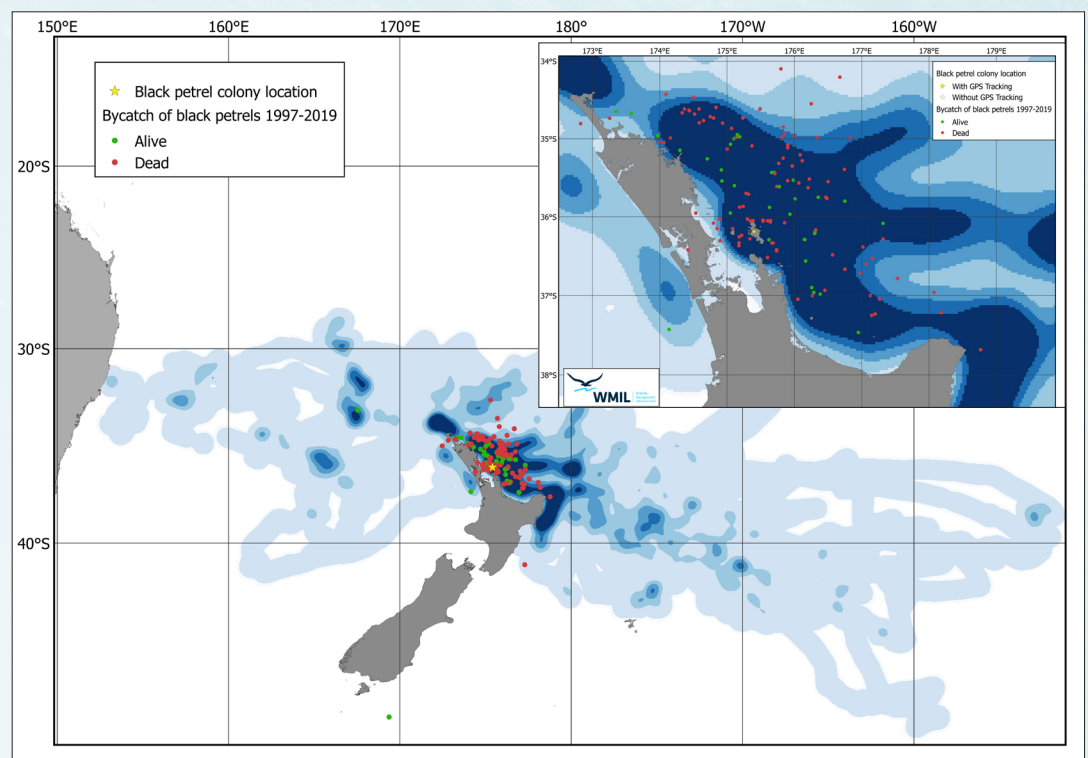
Distribution Map:

The distribution map shows where Tākoketai/black petrels are more likely to be found during the breeding season and where bycatch has occurred.

The dark blue areas indicate where numbers are most concentrated (hot spots) for foraging and feeding. These areas are also where most captures have been reported.

This data was accumulated from 1997 to 2019 breeding seasons.

It is not illegal to capture seabirds. IT IS ILLEGAL not to report captures of seabirds.



Identifying New Zealand Mollymawks

SMALLER ALBATROSSES

The *Thalassarche* albatrosses, sometimes known as mollymawks, are considerably smaller than the great albatrosses. The following guide is to help you identify any mollymawks you may encounter.



Blue/grey bill
with yellow tip



**New Zealand
white-capped
albatross**

XWM

Distinguishing characteristics

- Larger-sized
- White head

Wingspan

180 – 256 cm

Yellow/grey bill
with dark tip



**Salvin's
albatross**

XSA

Distinguishing characteristics

- Larger-sized
- Mid-grey head
and white crown

Wingspan

256 cm

Chrome yellow bill
with dark tip



**Chatham Island
albatross**

XCI

Distinguishing characteristics

- Medium-sized
- Darker grey head
- Most common around
the Chatham Rise

Wingspan

220 cm



Image: © M. P. Pierre

Image: © M. P. Pierre

Image: Scott Brooks

Yellow/orange bill (XKM)



Campbell albatross

XCM

Distinguishing characteristics

- Larger-sized
- White head with black eyebrows
- More common in summer

Wingspan

250 cm



Southern black-browed albatross

XSM

Distinguishing characteristics

- Larger-sized
- White head with black patch around eye
- More common in winter

Wingspan

210 – 250 cm



Black and yellow bill



Southern and Northern Buller's (Pacific) albatross

XPB

Distinguishing characteristics

- Medium-sized
- Grey head and neck with white-ish crown

Wingspan

213 cm



Grey-headed albatross

XGM

Distinguishing characteristics

- Medium-sized
- Grey head and neck

Wingspan

220 cm



Dark bill with pale blue stripe



Light-mantled sooty albatross

XLM

Distinguishing characteristics

- Medium-sized
- Dark brown body and head with greyish neck and back
- White eye ring

Wingspan

220 cm

