



# NZ sea lion/Rāpoka proposals for 2020/21



# Overview

- Ōtākou
- Murihiku
- Rakiura
- Auckland Islands
- Campbell Islands
- All areas



# Ōtākou



Area	Proposal	Related threat/issue	Workstream
Ōtākou	<ul style="list-style-type: none"> <li>Pup count, tagging, microchipping</li> </ul>	Monitoring population	Evaluation
	<ul style="list-style-type: none"> <li>Interactions with coastal users: surfers, divers, dog walkers, tourist/visitors, etc.</li> </ul>	Human interaction, Vehicles, Dogs	Targeted research Engagement
	<ul style="list-style-type: none"> <li>Interactions with coastal structures / developments: railway tracks, roads, etc.</li> </ul>	Human interaction, Vehicles	
	<ul style="list-style-type: none"> <li>Sea lion habitats and private land management actions</li> </ul>	Human interaction, Vehicles, Dogs	Targeted research
	<ul style="list-style-type: none"> <li>Study of fisheries (rec/commercial): set net, sea lion feeding, entanglement.</li> </ul>	Human interaction, fisheries	

# Ōtākou – Hoopers inlet project



# Murihiku



Murihiku	<ul style="list-style-type: none"> <li>Pup count, tagging, re-sighting, microchipping</li> </ul>	Monitoring population	Evaluation
	<ul style="list-style-type: none"> <li>Interactions with coast users: surfers, divers, visitors, etc.</li> </ul>	Human interaction, Vehicles, Dogs	
	<ul style="list-style-type: none"> <li>Habitats and private land management actions</li> </ul>	Human interaction, Vehicles	Targeted research Engagement
	<ul style="list-style-type: none"> <li>Interactions with coastal structures / developments</li> </ul>	Human interaction, Vehicles, Dogs	
	<ul style="list-style-type: none"> <li>Study of fisheries (rec/commercial): set net, sea lion feeding, entanglement.</li> </ul>	Human interaction, fisheries	Targeted research



# Rakiura

## Rakiura

• Pup count, tagging, re-sighting, microchipping	Monitoring population	Evaluation
• Interactions with coast users: divers, rec. fishermen, tourist/visitors, etc.	Human interaction, Vehicles, Dogs	Targeted research Engagement
• Interactions with aquaculture installations	Human interaction	
• Interactions with hunters	Human interaction	Engagement
• Study of fisheries (rec/commercial); set net, sea lion feeding, entanglement.	Human interaction, fisheries	Targeted research



# Auckland Islands

<b>Auckland Islands</b>	Pup count, tagging, re-sighting, microchipping at Enderby Is (extended season, Dec-March)	Monitoring population	Evaluation
	Pup count, tagging, re-sighting at Dundas Is (extended season, Dec-Jan)	Monitoring population	Evaluation
	Necropsies Enderby / Dundas? + analysis	Pup mortality	Targeted research
	Foraging distribution and diet	Foraging ecology, threat overlap	Targeted research
	Klebsiella trail solution	Pup mortality	Direct mitigation

# Campbell Island



Campbell Island	Pup count, tagging, re-sighting	Monitoring population	Evaluation
	Pup mortality solutions	Pup mortality	Direct mitigation
	Terrain traps solutions assessment	Pup mortality	Direct mitigation
	Foraging distribution and diet	Foraging ecology, nutritional stress, threat overlap	Targeted research





# Across all areas

Others / all areas

<ul style="list-style-type: none"><li>• Mātauranga māori actions**</li></ul>	Iwi perspective	All
<ul style="list-style-type: none"><li>• Coastal species liaison</li></ul>	Community engagement	Engagement
<ul style="list-style-type: none"><li>• Photo ID library of animals with shark scars or distinct scarring</li></ul>	Monitoring population	Evaluation Targeted research

# Kia ora!

