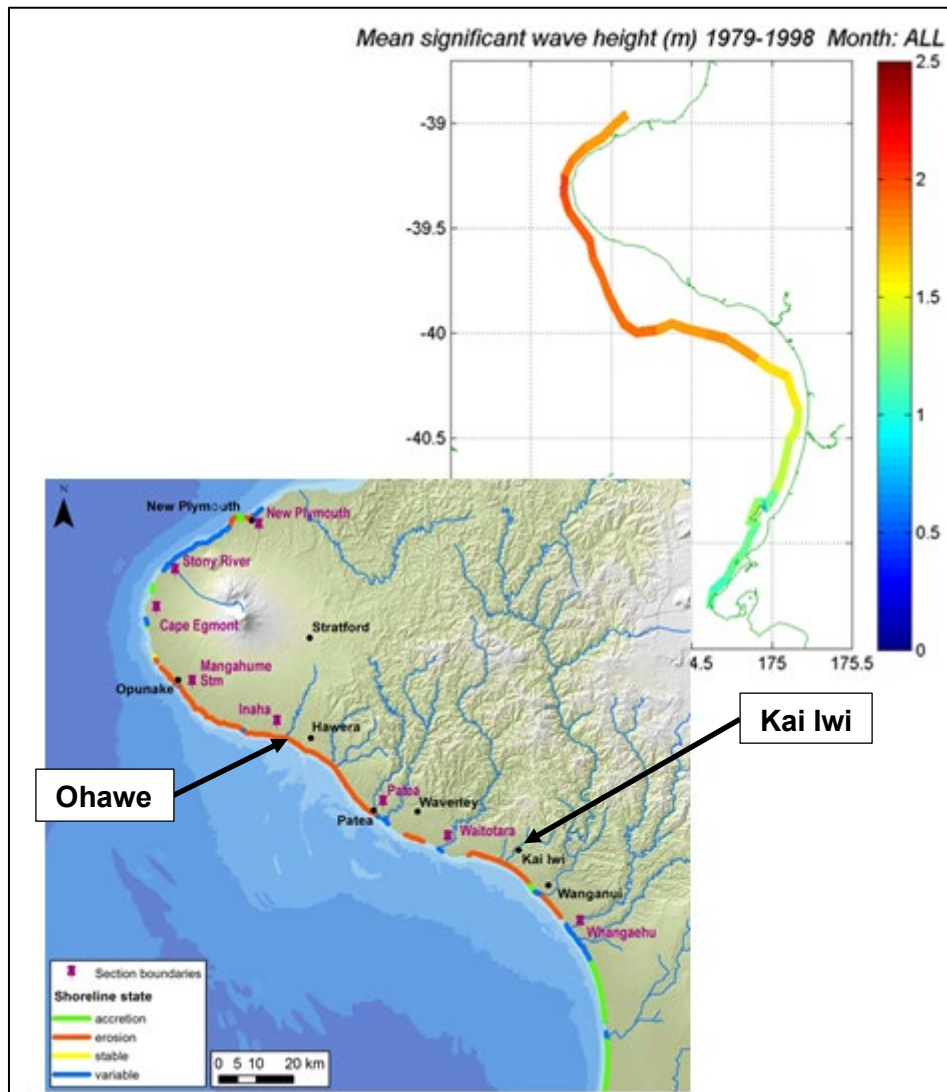


SECTION 3

ENVIRONMENTAL SETTING SECTION APPENDICES



Appendix 3.1: STB trends in coastal erosion/accretion in relation to wave climate.



Appendix 3.2: Sand Dunes and Low Cliffs seascape character type - Waiinu Beach



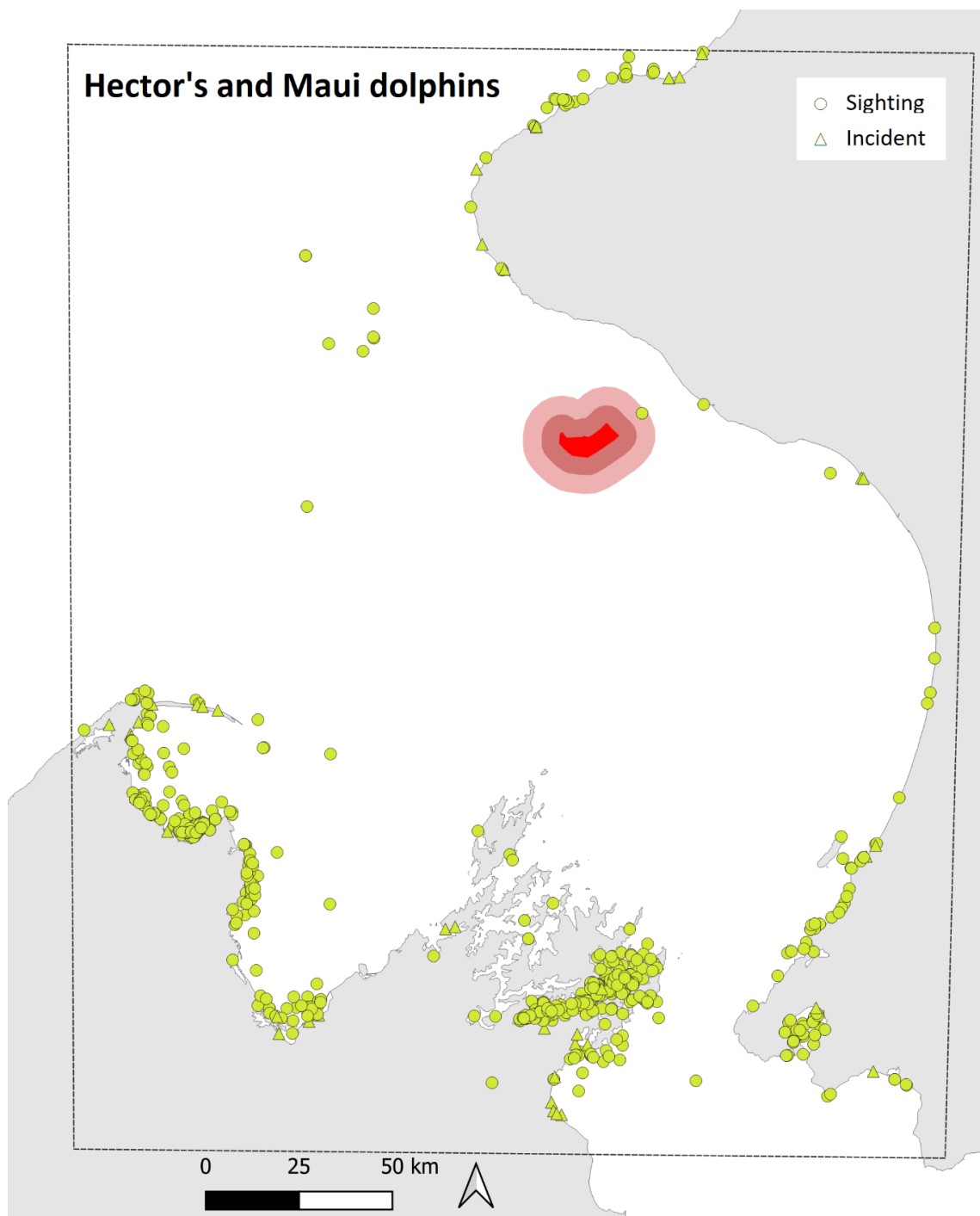
Appendix 3.3: Fossil Cliffs seascape character type - north of Castlecliff Beach



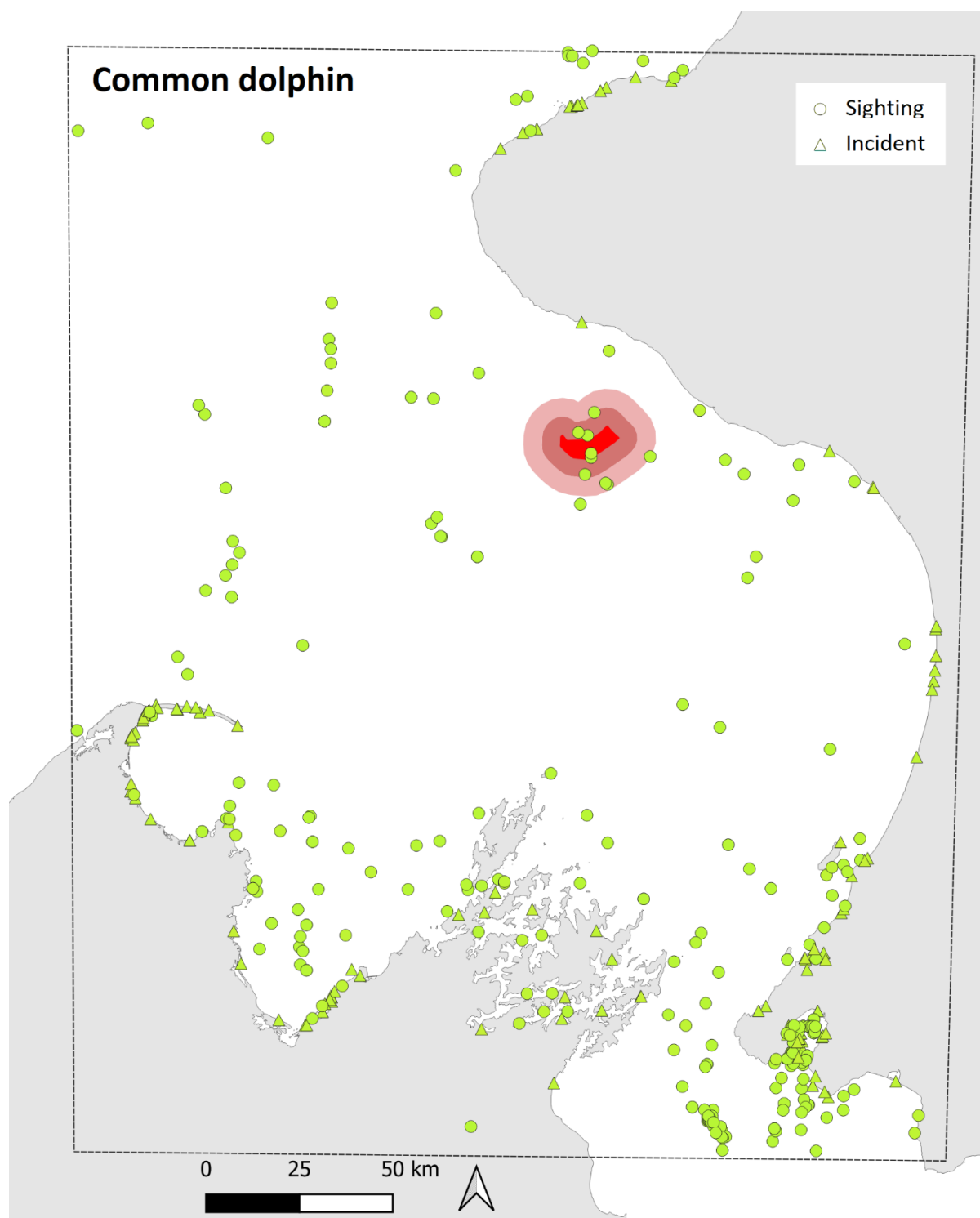
Appendix 3.4: Eroding Sea Cliffs seascape character type - Hawera coast



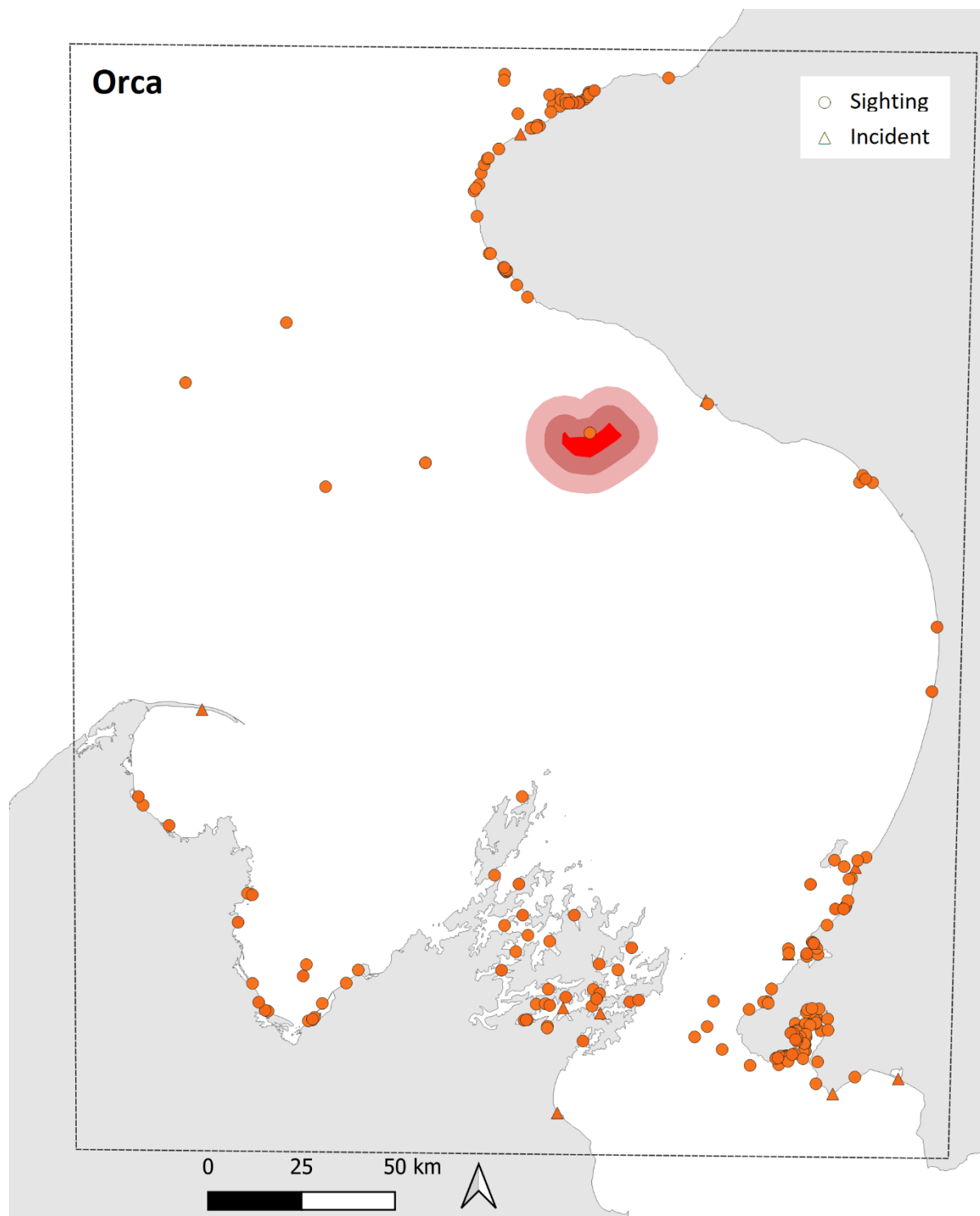
Appendix 3.5: Sand Dunes and Low Cliffs seascape character type - Waipipi Beach



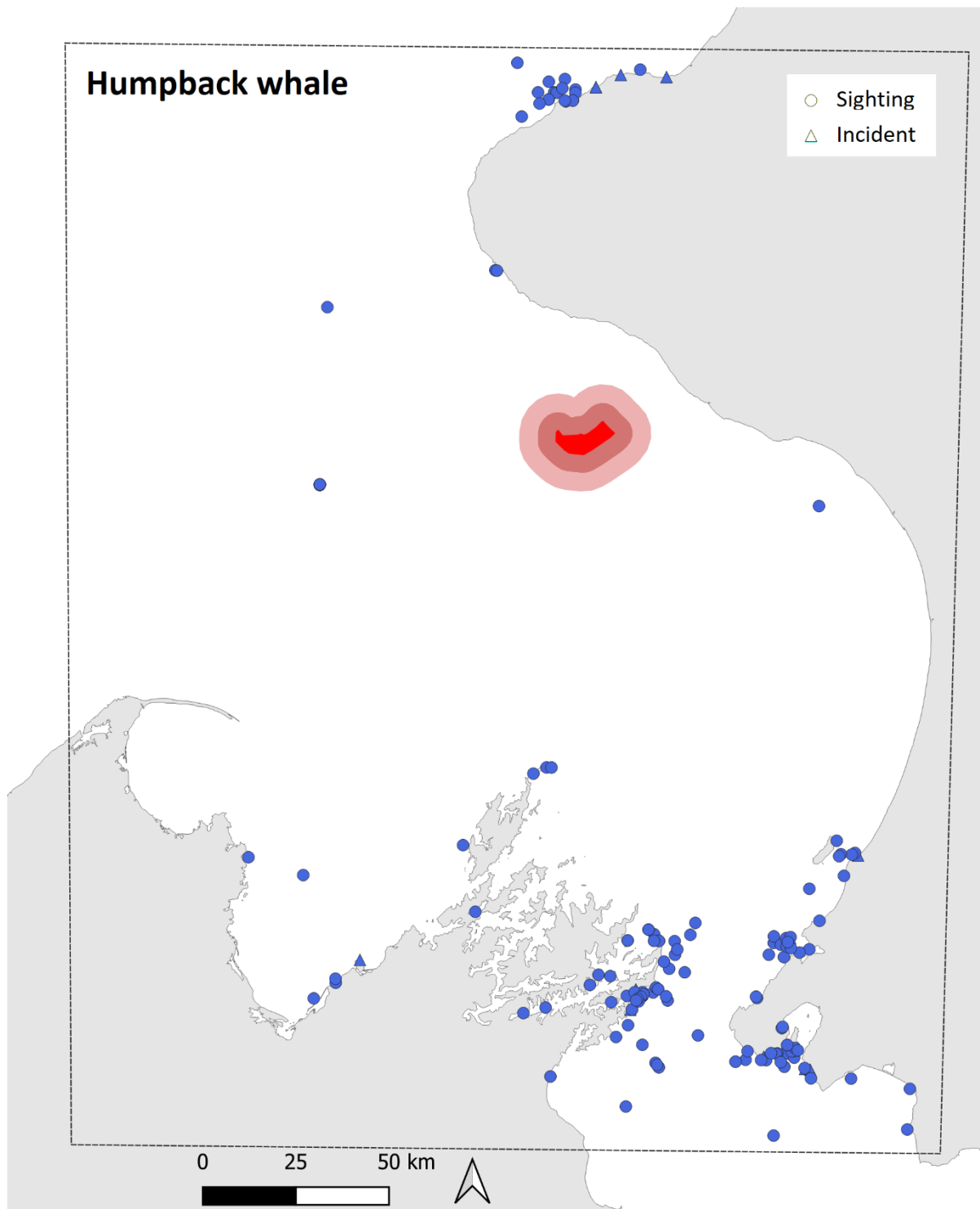
Appendix 3.6 (1): Locations of all sightings and incidents of Hector's and Maui dolphin (DOC Marine Mammal Database to April 2023)



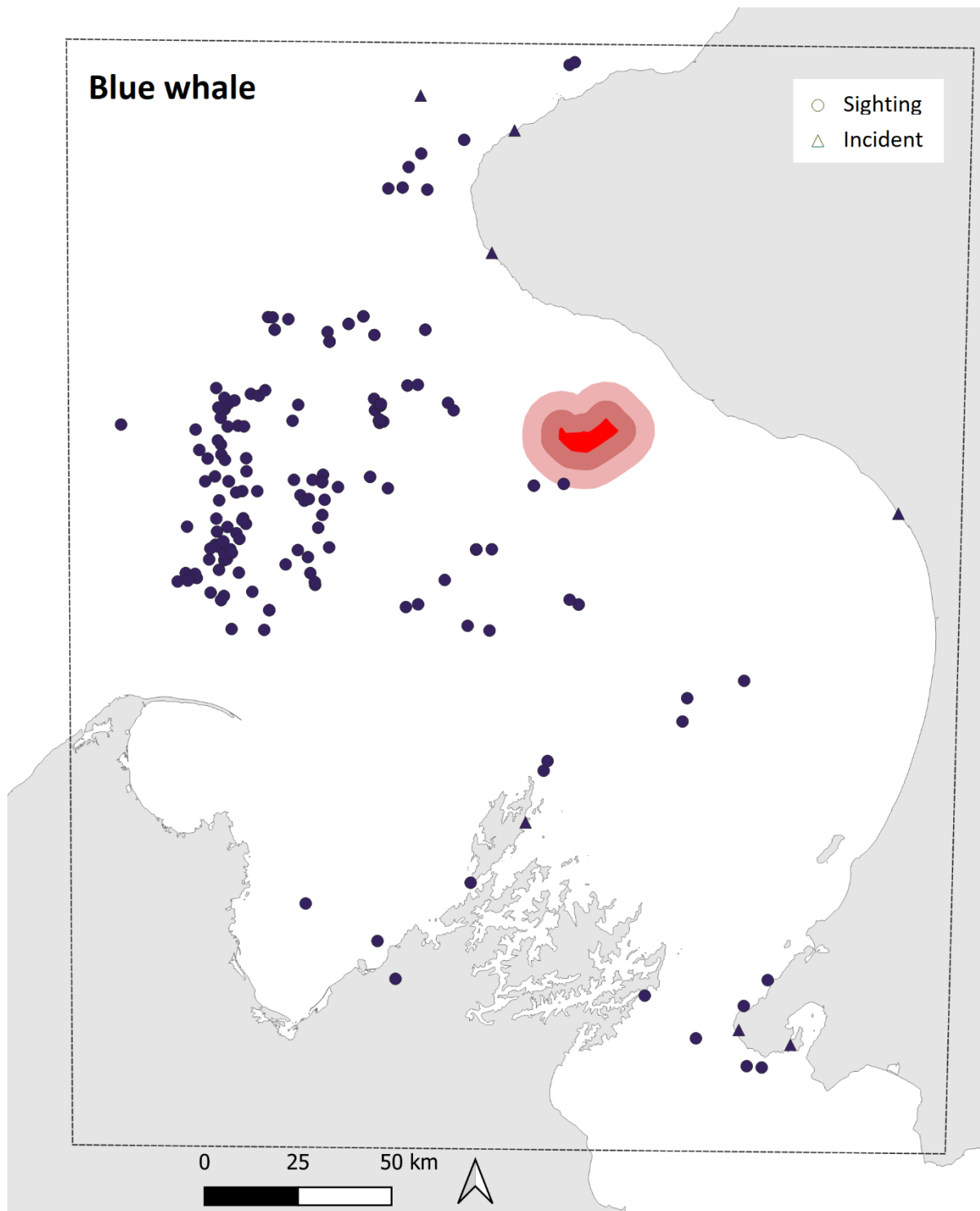
Appendix 3.6 (2): Locations of all sightings and incidents of common dolphin (DOC Marine Mammal Database to April 2023)



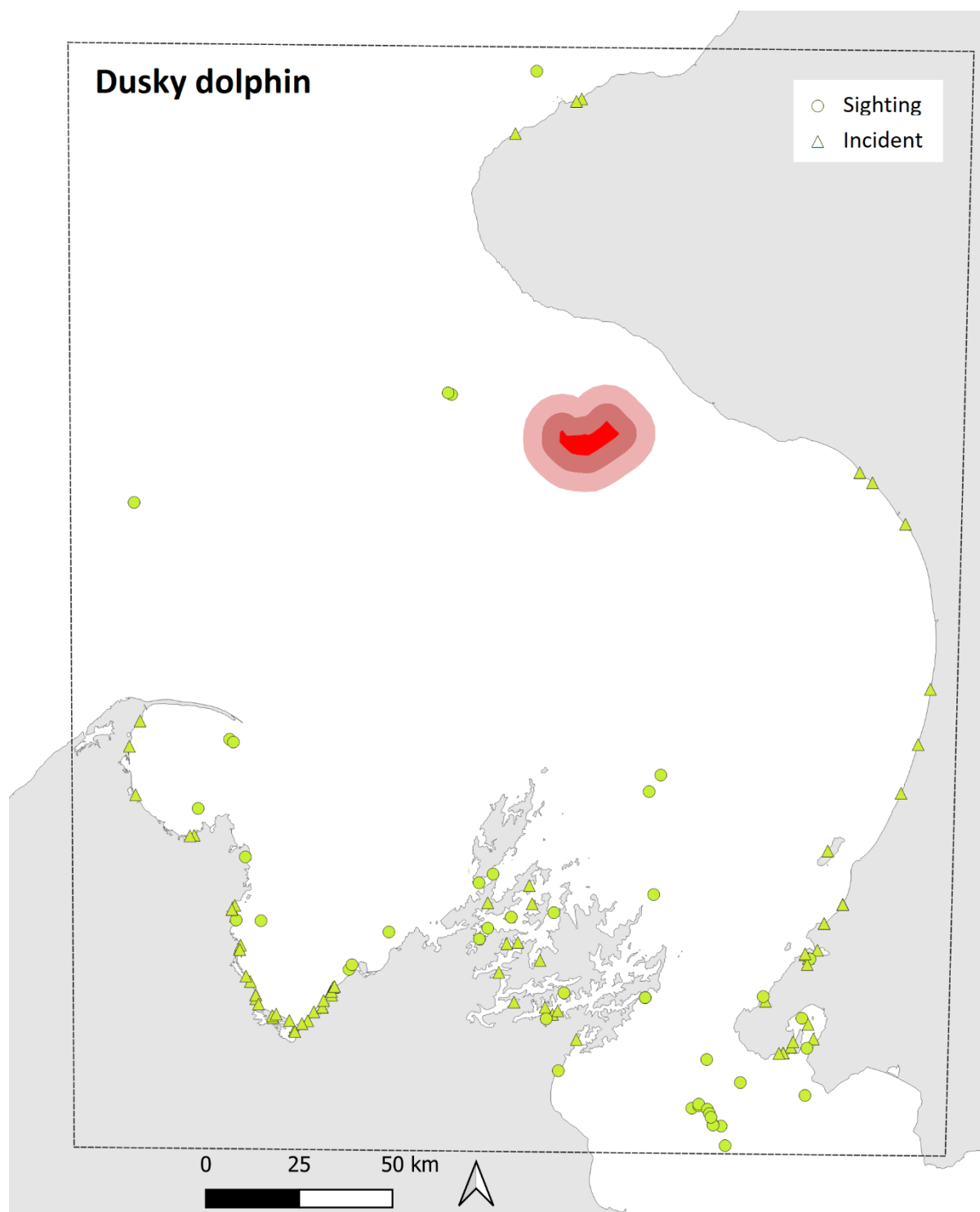
Appendix 3.6 (3): Locations of all sightings and incidents of orca (DOC Marine Mammal Database to April 2023)



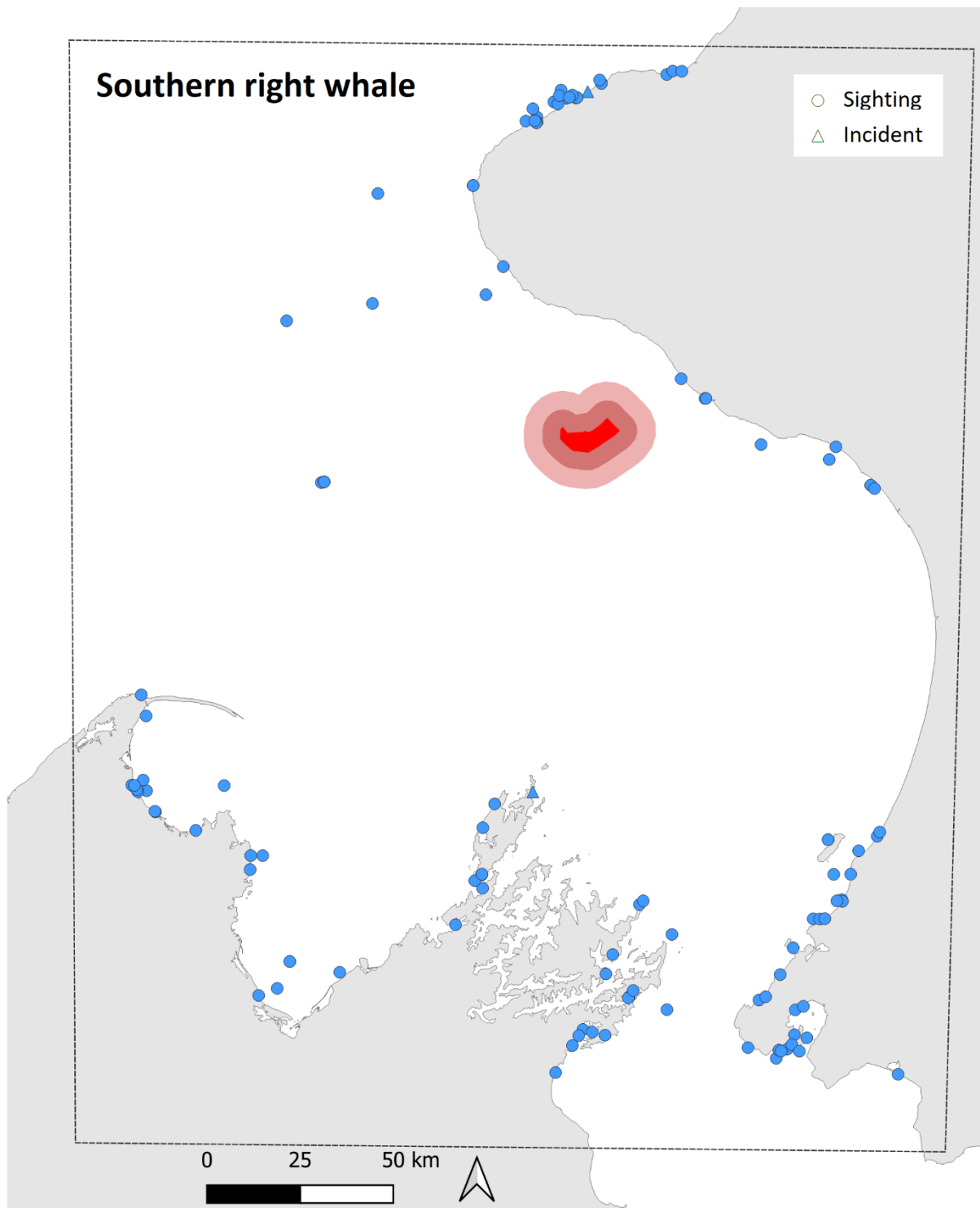
Appendix 3.6 (4): Locations of all sightings and incidents of humpback whale (DOC Marine Mammal Database to April 2023)



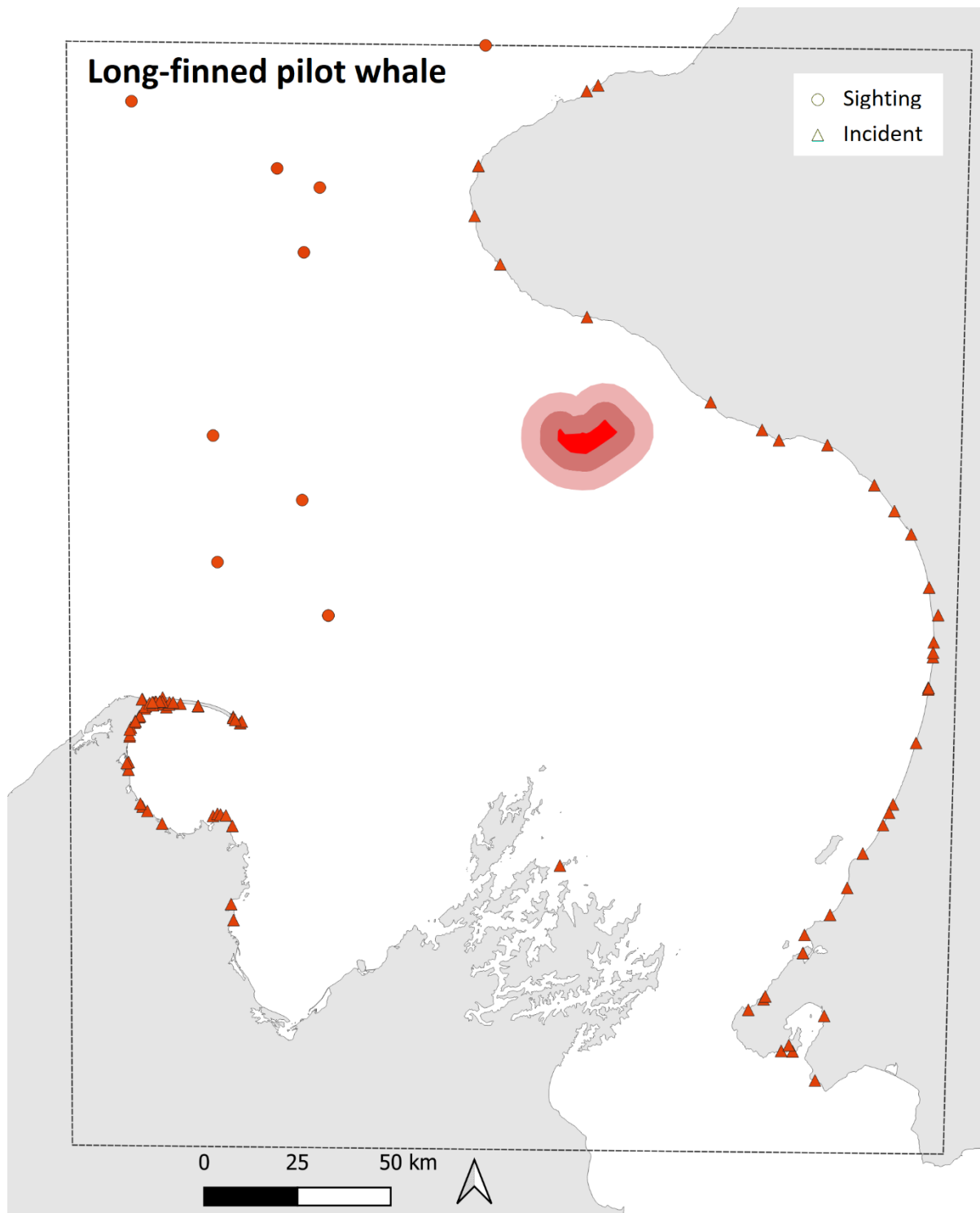
Appendix 3.6 (5): Locations of all sightings and incidents of blue whale (DOC Marine Mammal Database to April 2023)



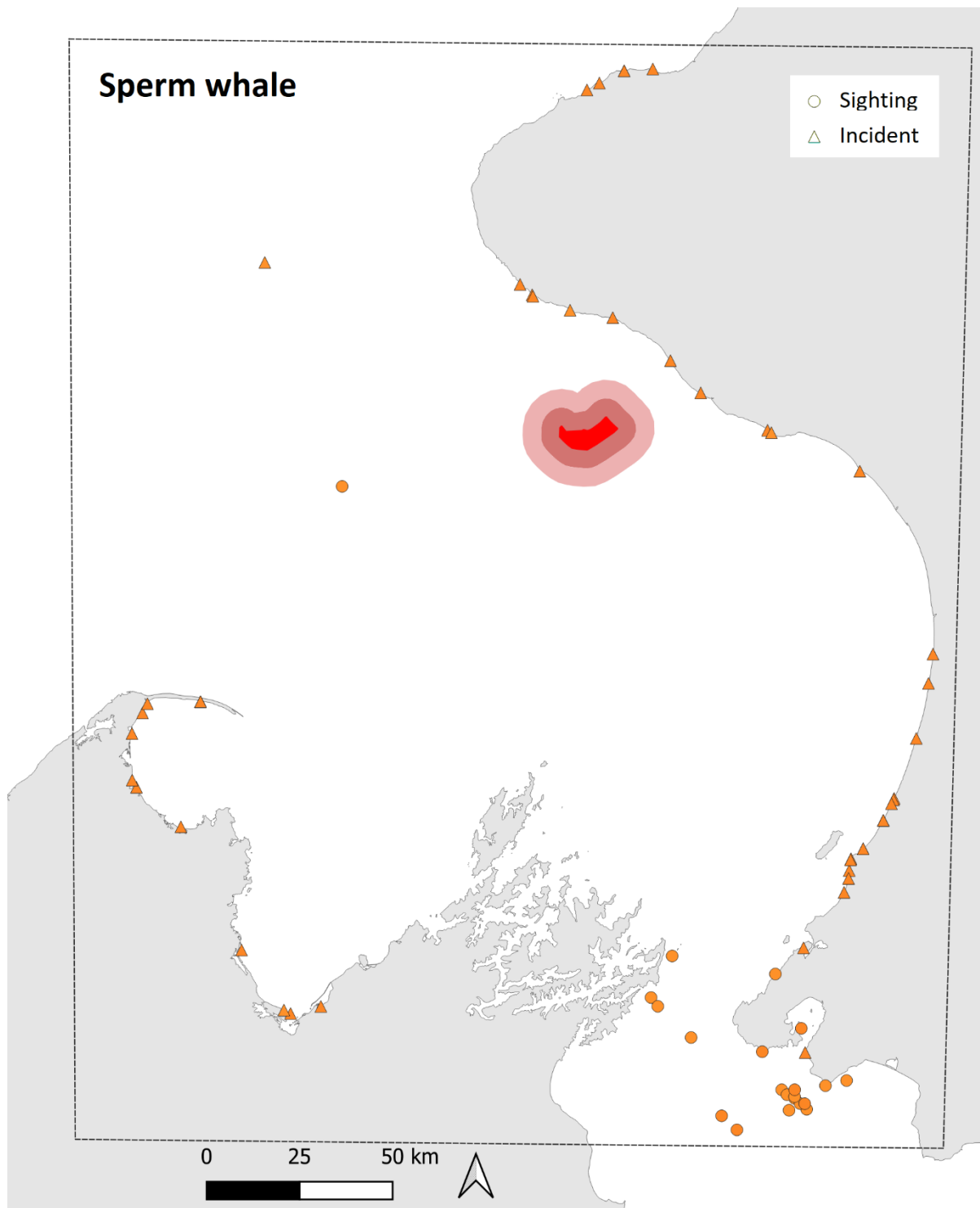
Appendix 3.6 (6): Locations of all sightings and incidents of dusky dolphin (DOC Marine Mammal Database to April 2023)



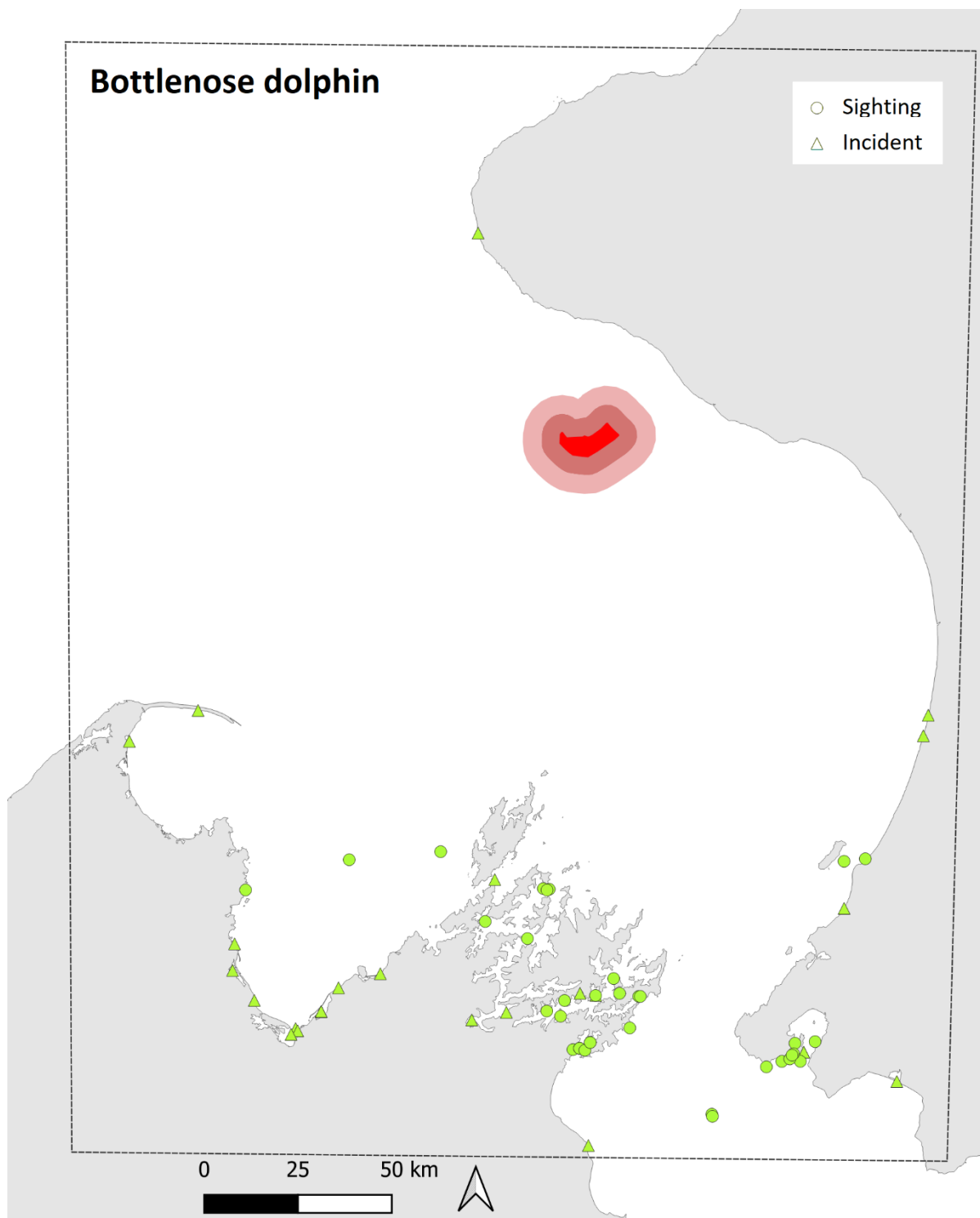
Appendix 3.6 (7): Locations of all sightings and incidents of southern right whale (DOC Marine Mammal Database to April 2023)



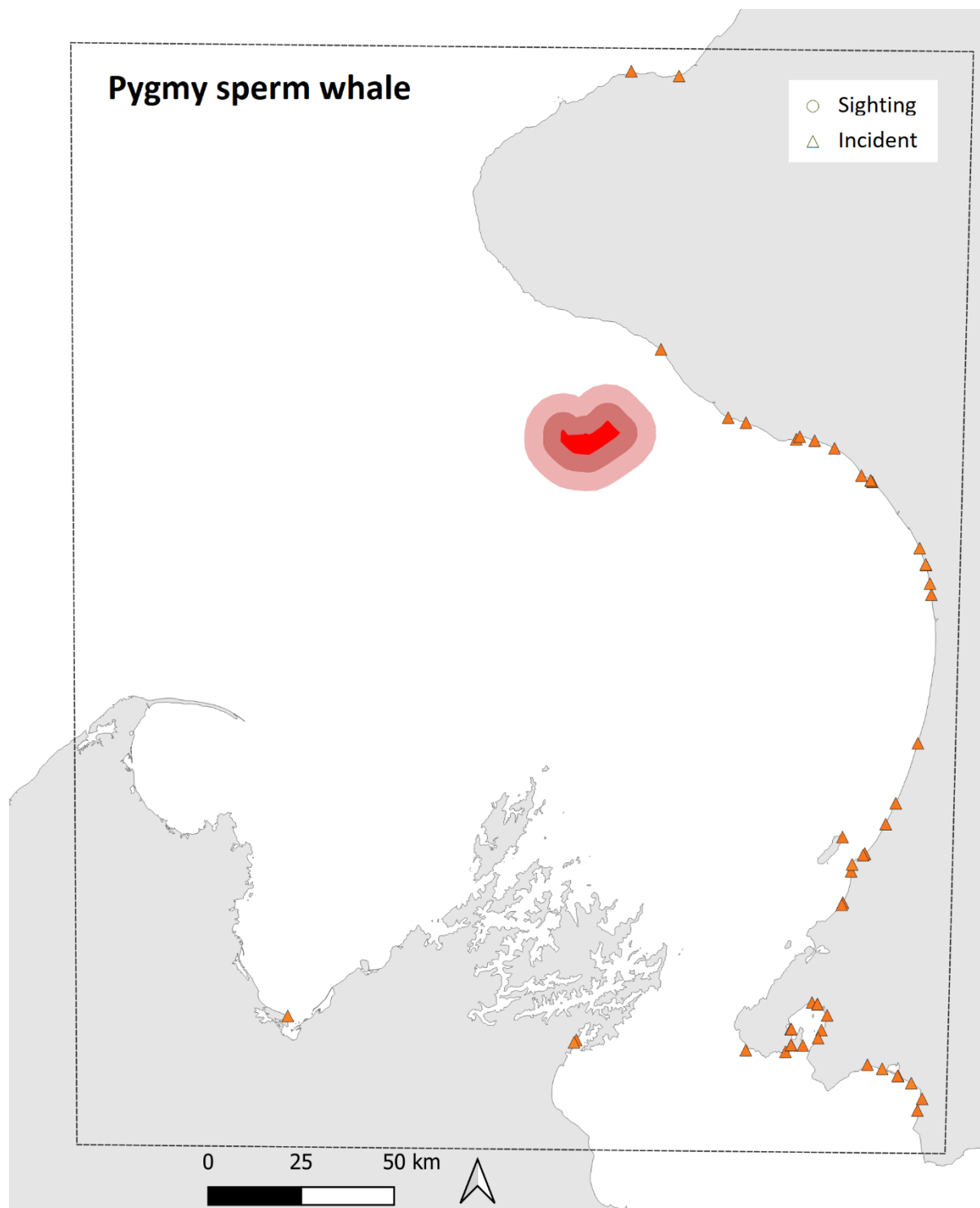
Appendix 3.6 (8): Locations of all sightings and incidents of long-finned pilot whale (DOC Marine Mammal Database to April 2023)



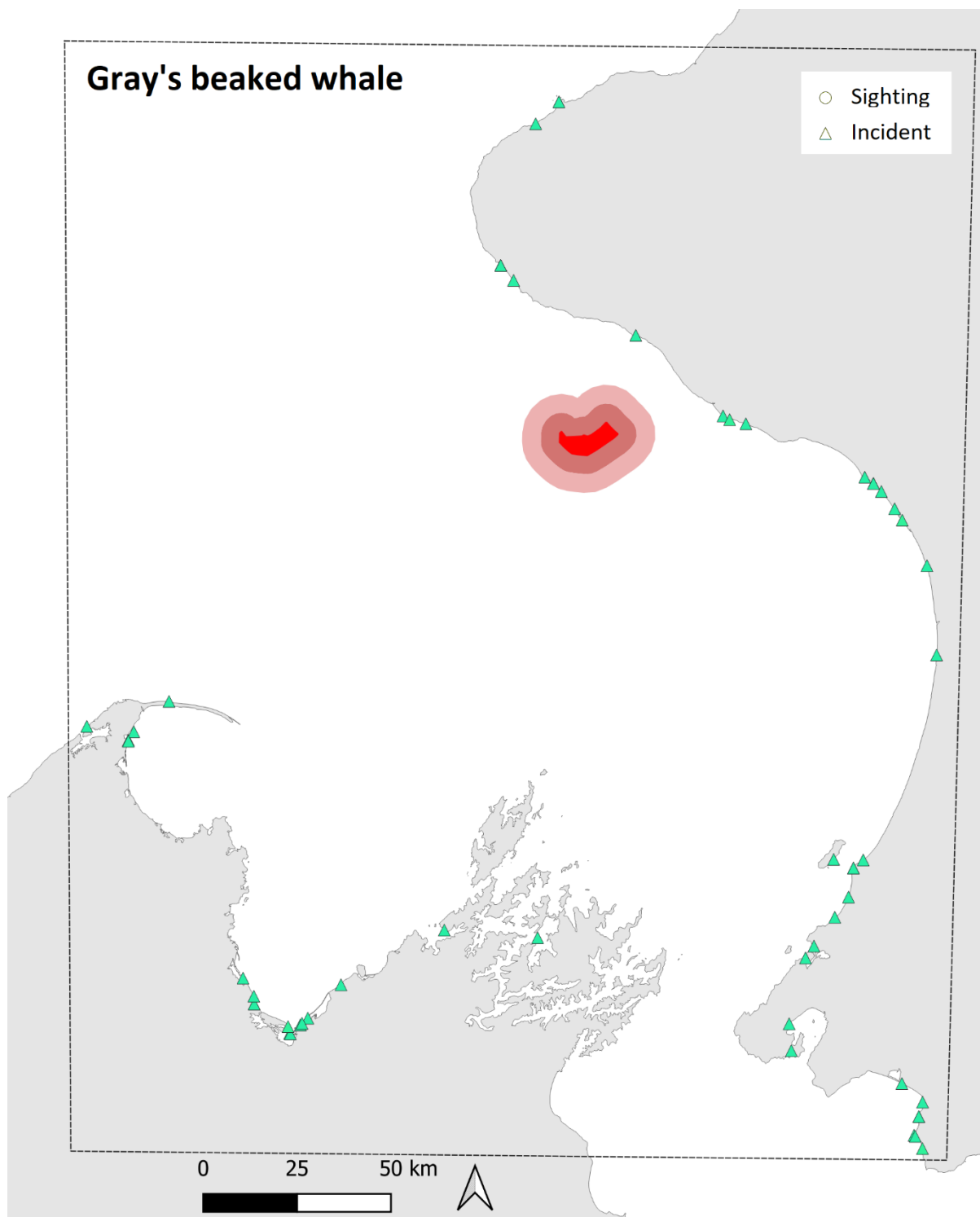
Appendix 3.6 (9): Locations of all sightings and incidents of sperm whale (DOC Marine Mammal Database to April 2023)



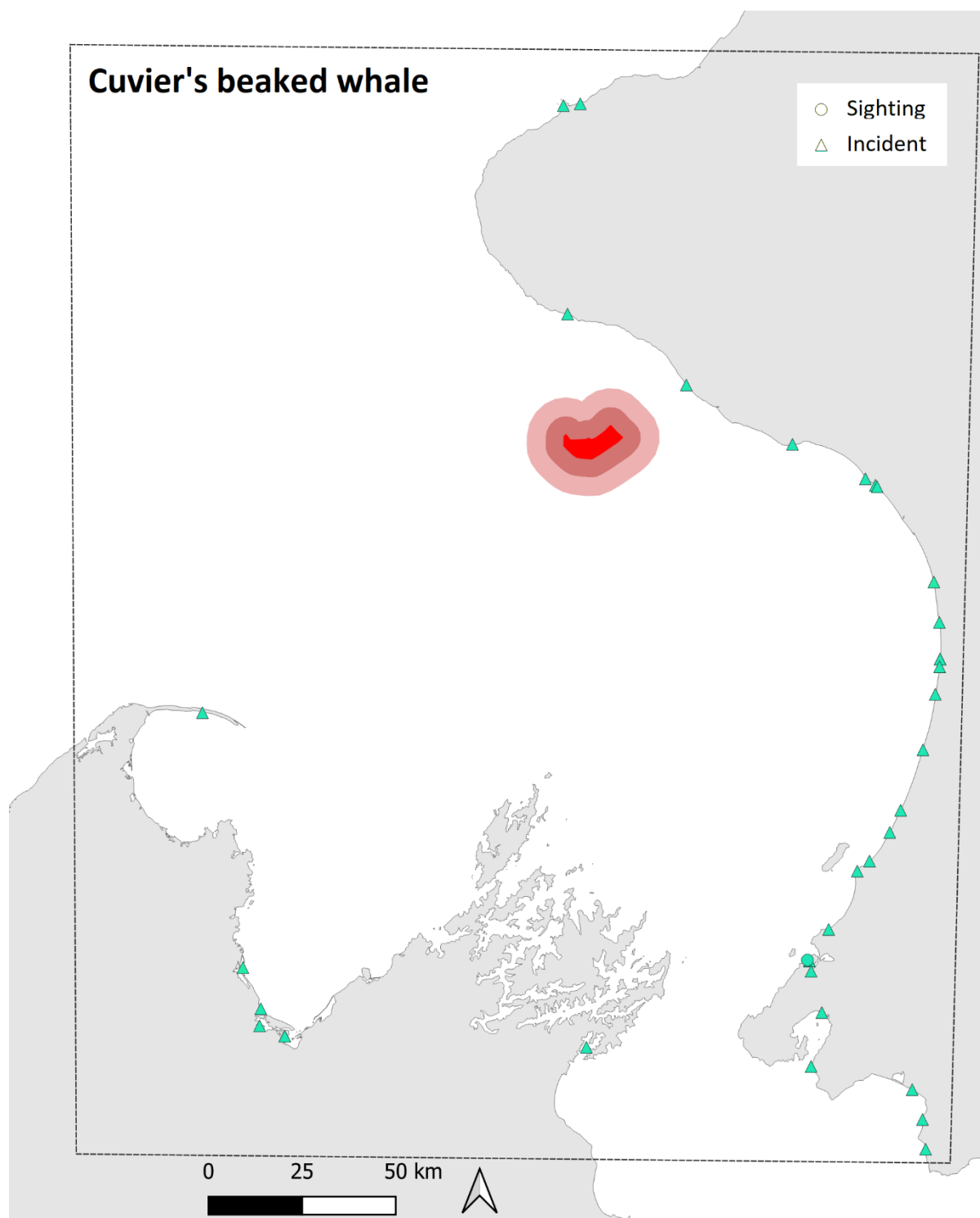
Appendix 3.6 (10): Locations of all sightings and incidents of bottlenose dolphin (DOC Marine Mammal Database to April 2023)



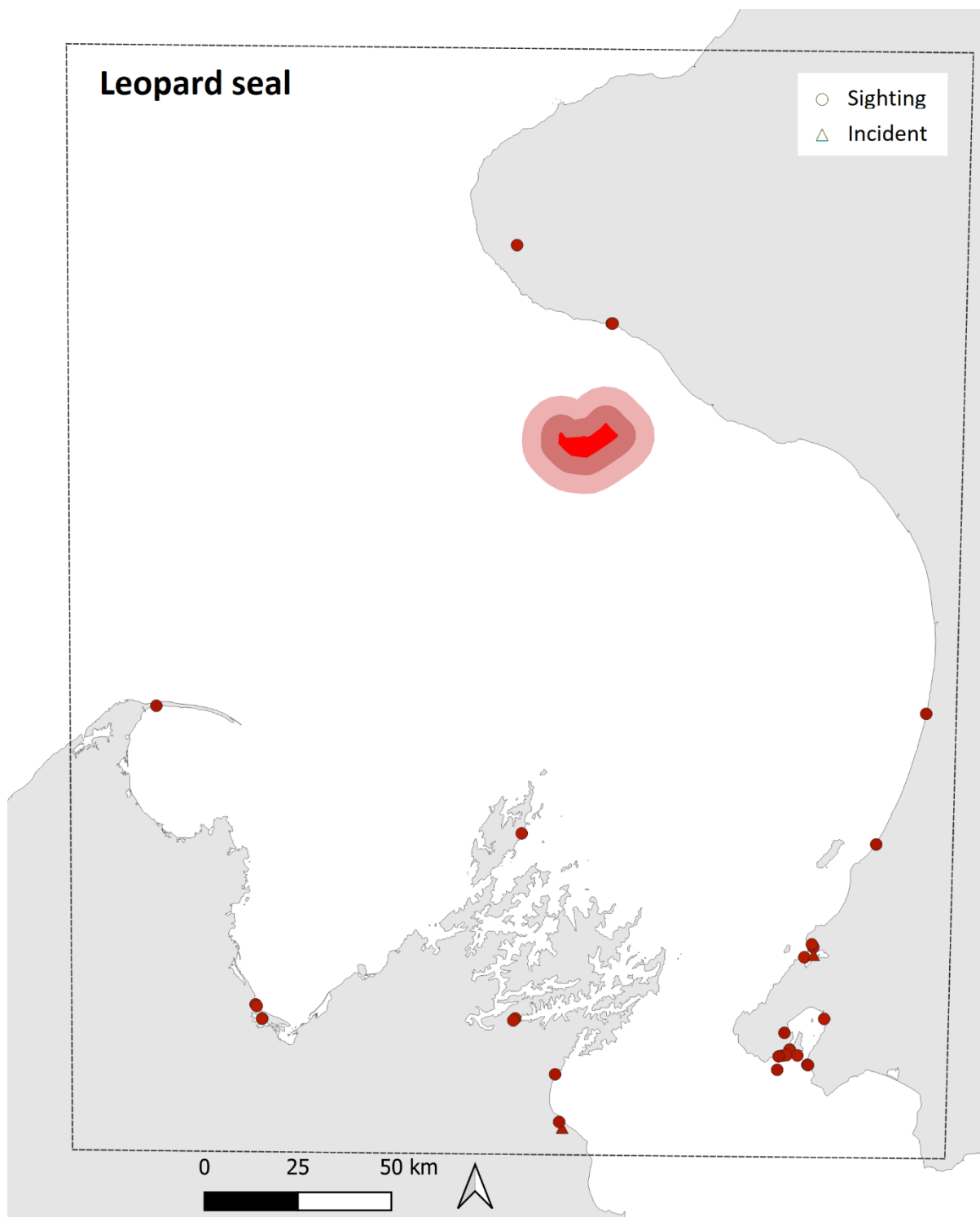
Appendix 3.6 (11): Locations of all sightings and incidents of pygmy sperm whale (DOC Marine Mammal Database to April 2023)



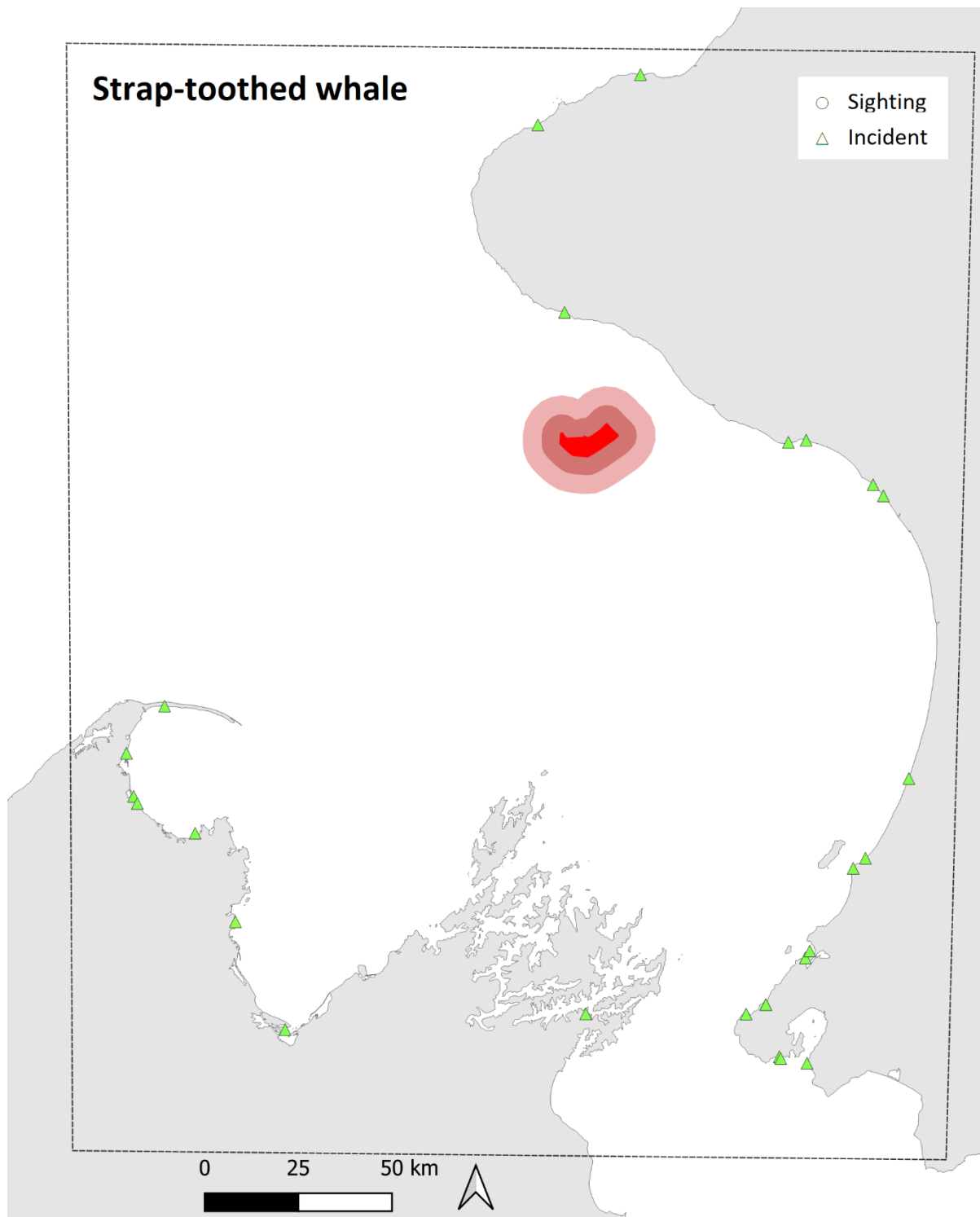
Appendix 3.6 (12): Locations of all sightings and incidents of Gray's beaked whale (DOC Marine Mammal Database to April 2023)



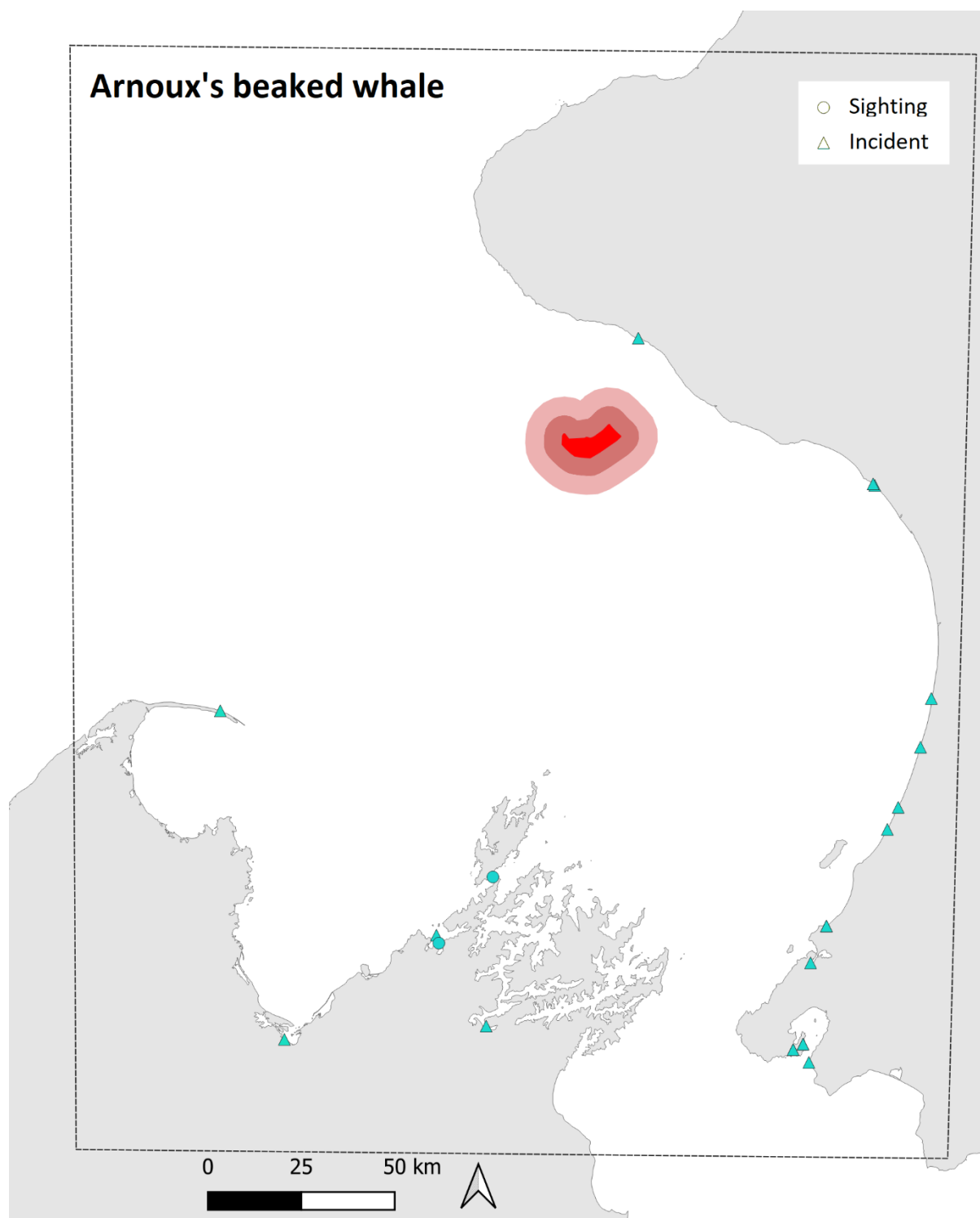
Appendix 3.6 (13): Locations of all sightings and incidents of Cuvier's beaked whale (DOC Marine Mammal Database to April 2023)



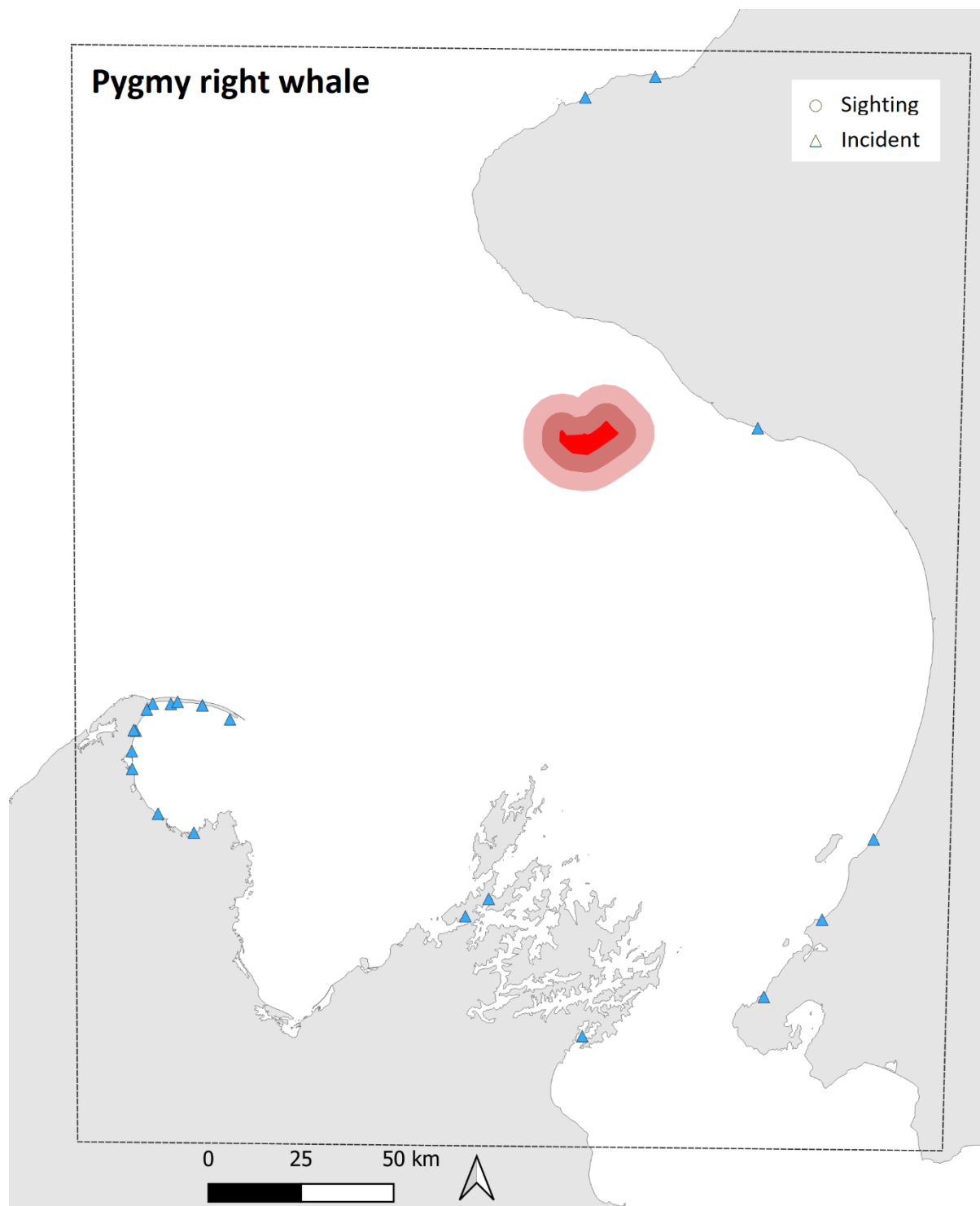
Appendix 3.6 (14): Locations of all sightings and incidents of leopard seal (DOC Marine Mammal Database to April 2023)



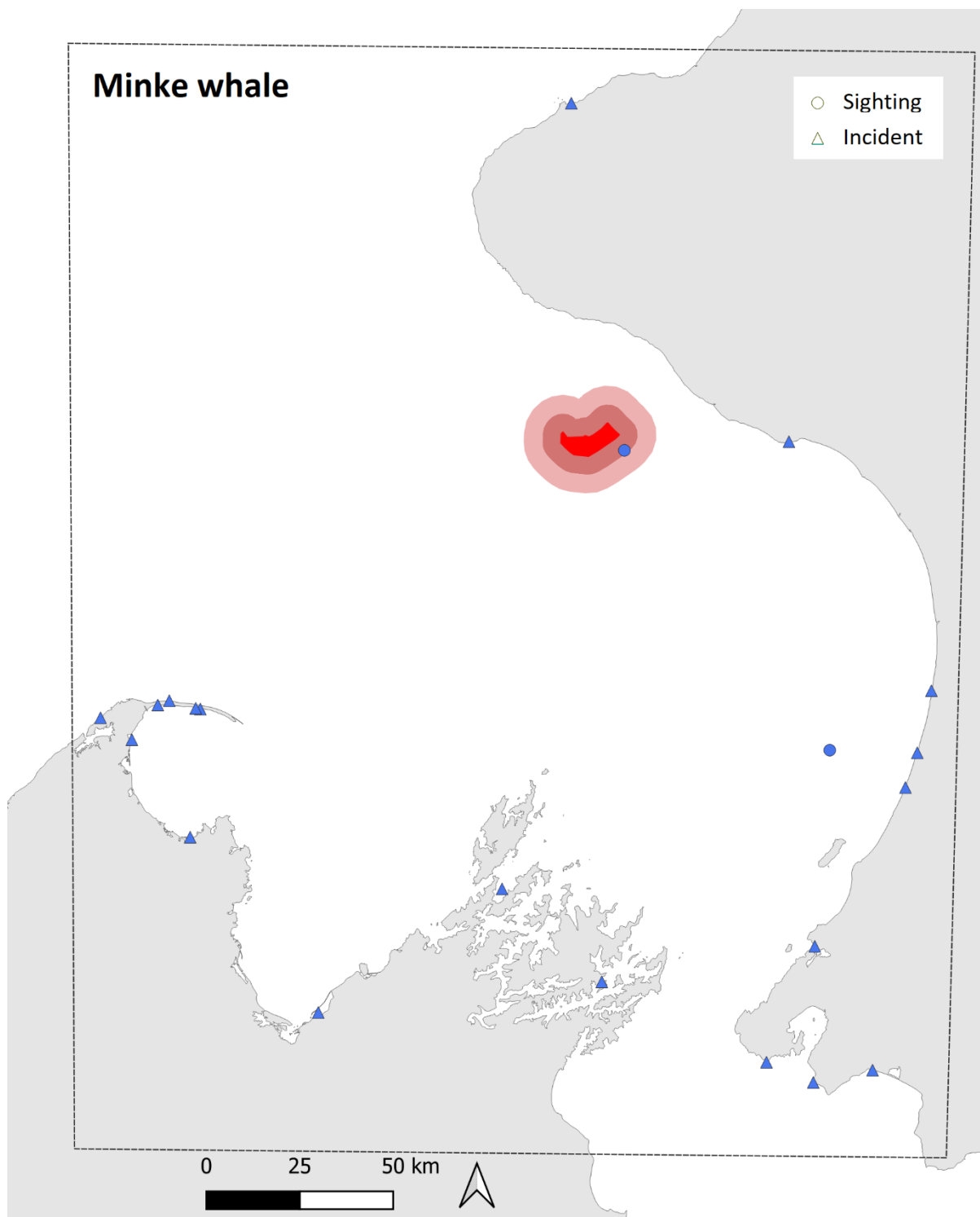
Appendix 3.6 (15): Locations of all sightings and incidents of strap-toothed whale (DOC Marine Mammal Database to April 2023)



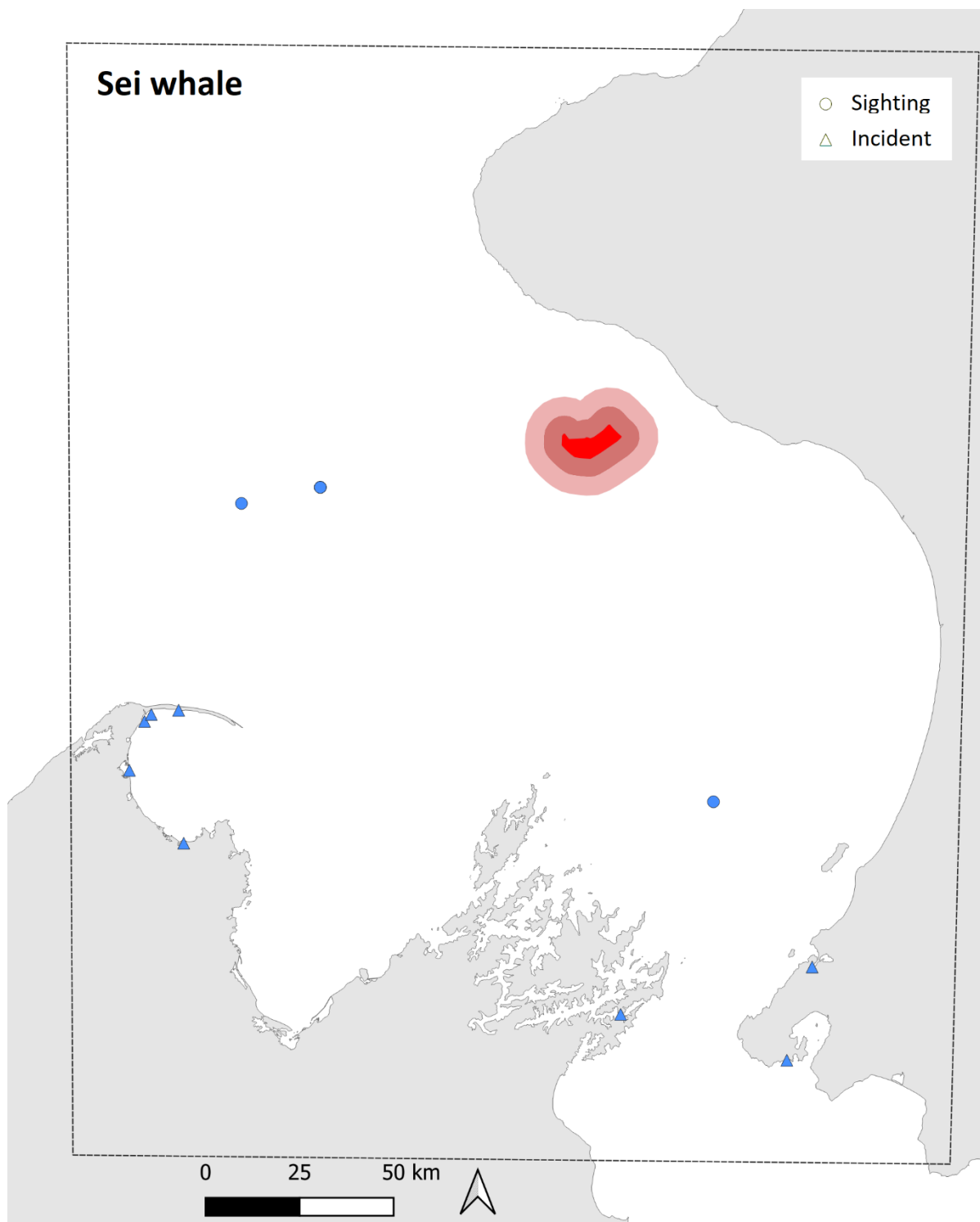
Appendix 3.6 (16): Locations of all sightings and incidents of Arnoux's beaked whale (DOC Marine Mammal Database to April 2023)



Appendix 3.6 (17): Locations of all sightings and incidents of pygmy right whale (DOC Marine Mammal Database to April 2023)



Appendix 3.6 (18): Locations of all sightings and incidents of minke whale (DOC Marine Mammal Database to April 2023)

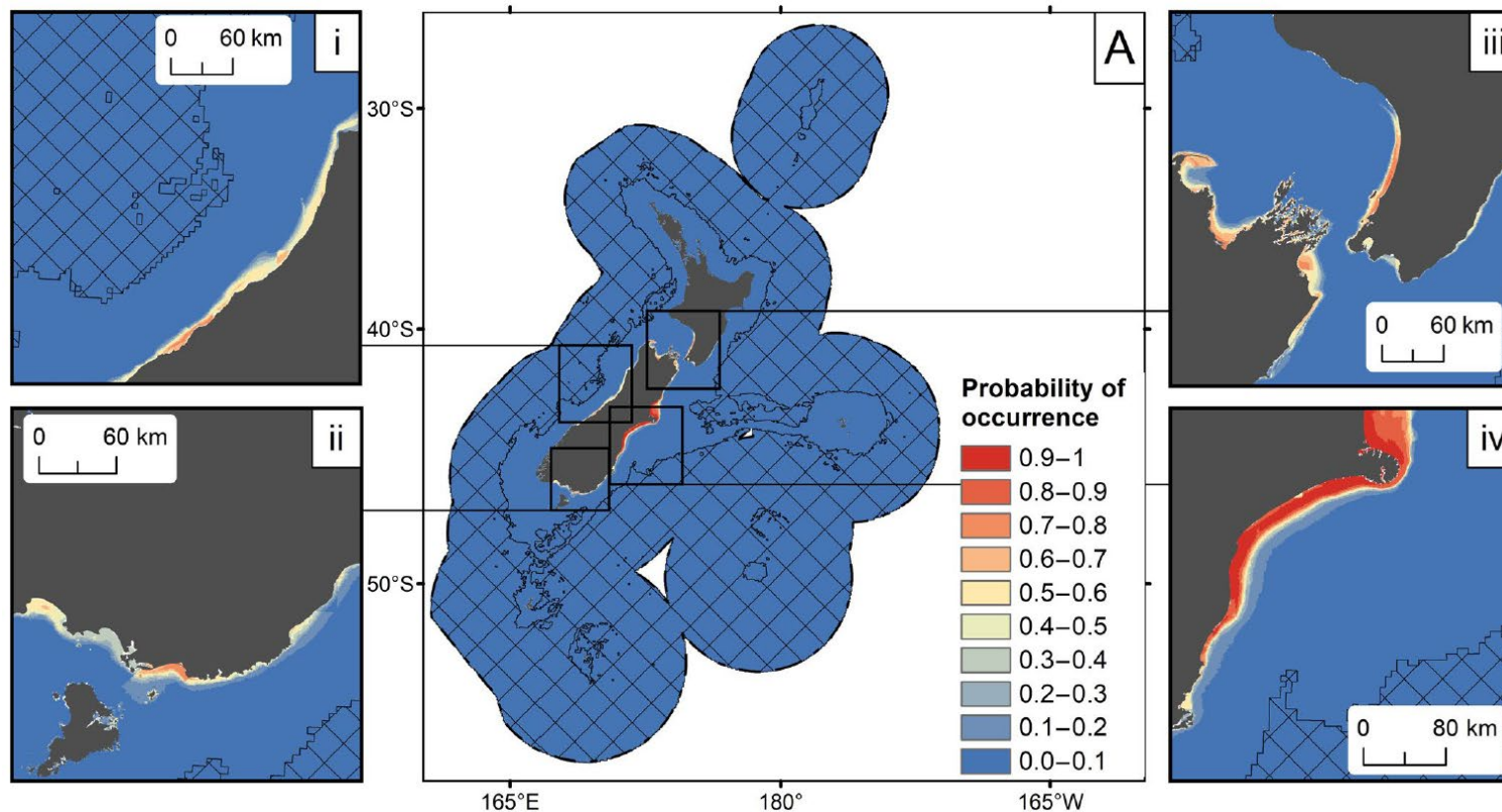


Appendix 3.6 (19): Locations of all sightings and incidents of Sei whale (DOC Marine Mammal Database to April 2023)

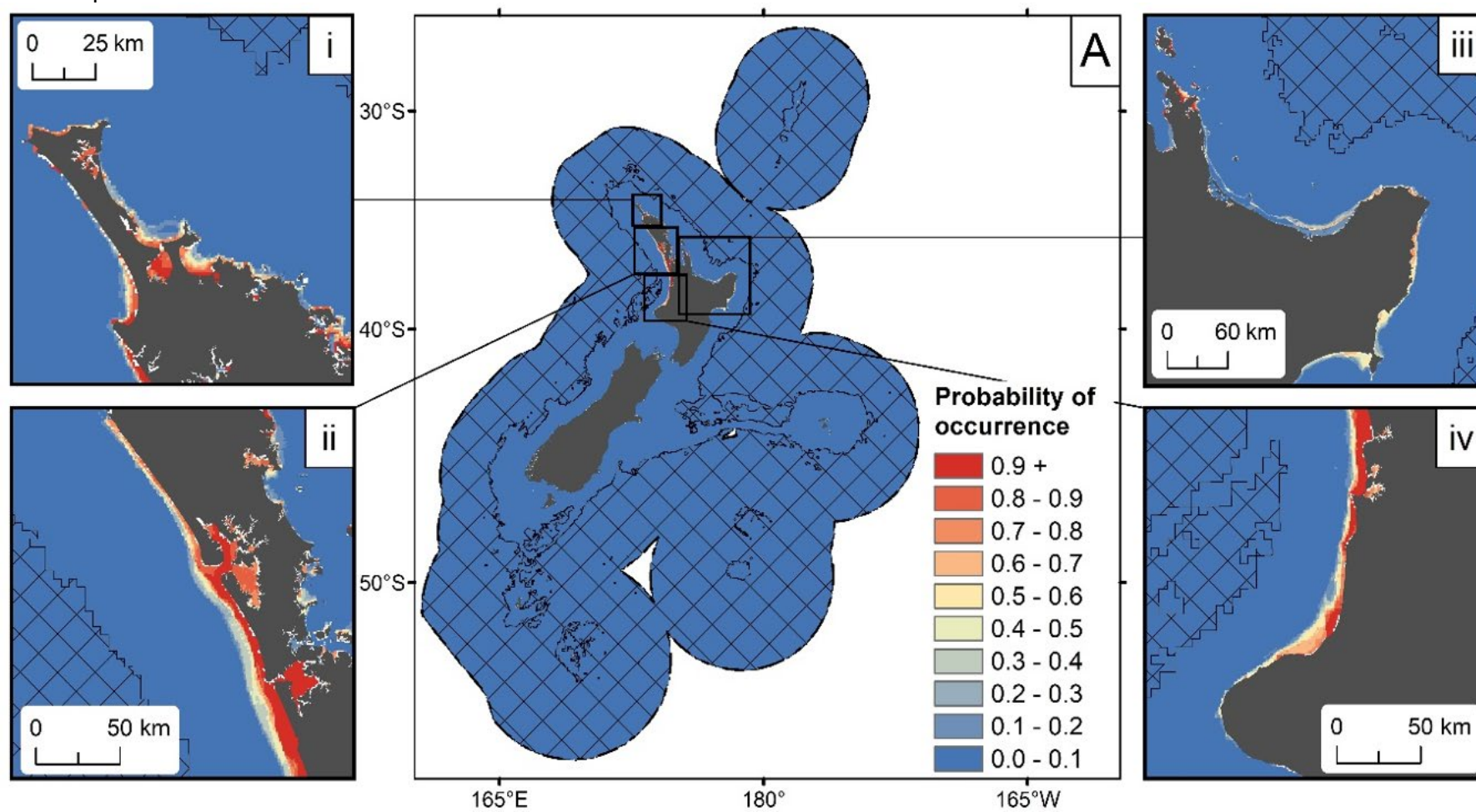
Appendix 3.7: Maps of the predicted probability occurrence of various species of marine mammals in the New Zealand EEZ (Stephenson et al. (2020b))

Modelled using bootstrapped BRTs and areas of low predicted environmental coverage depicting the lower confidence that can be placed in the predicted probability occurrence (criss-cross black line). Inset maps: (i) west coast of South Island including the Fiordland Coast; (ii) south of the South Island including Stewart Island/ Rakiura; (iii) south of the North Island and north of the South Island including Tasman and Golden Bays and Cook Strait; (iv) East of the South Island including Canterbury Bight.

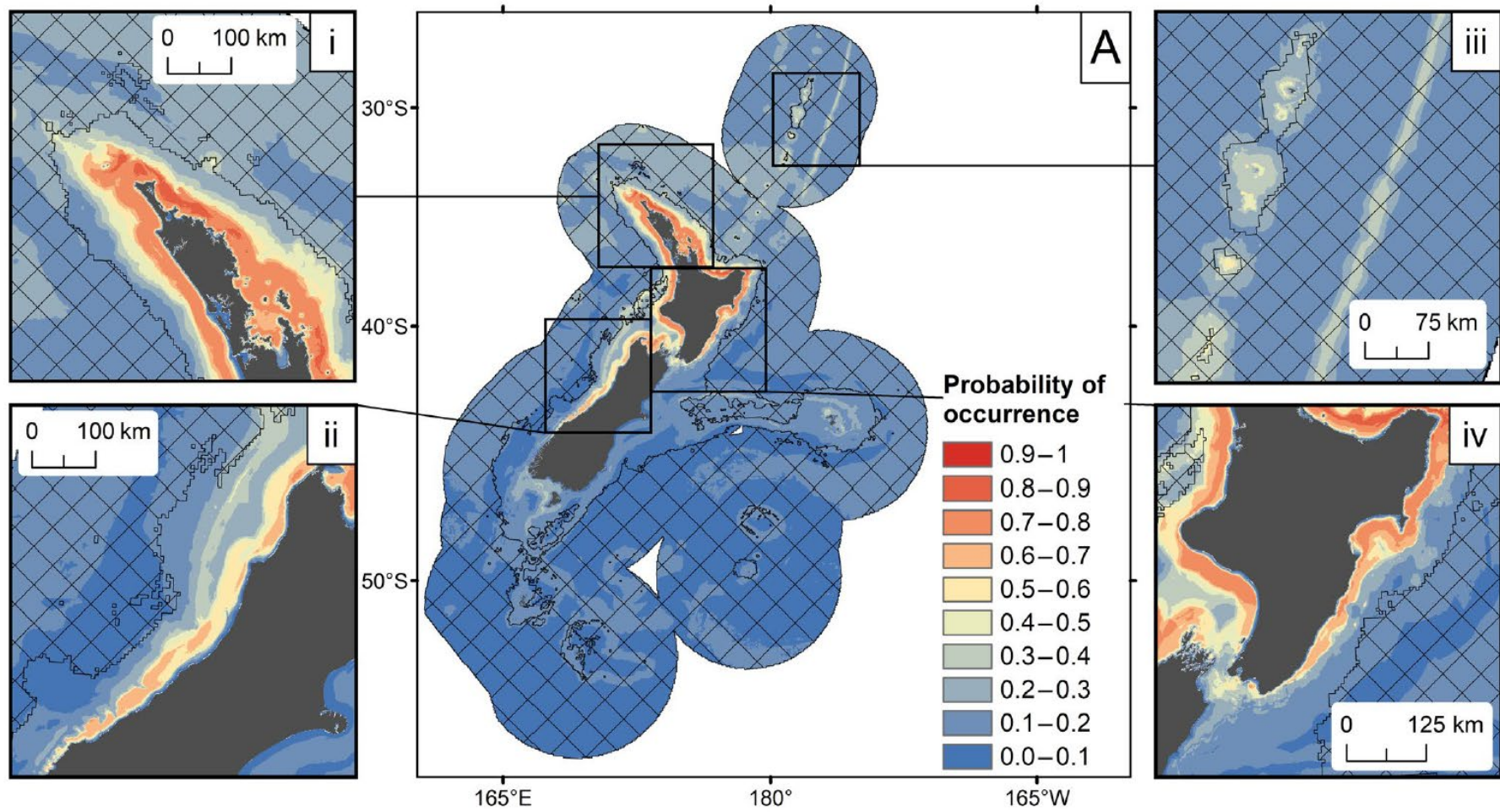
Hector's dolphins



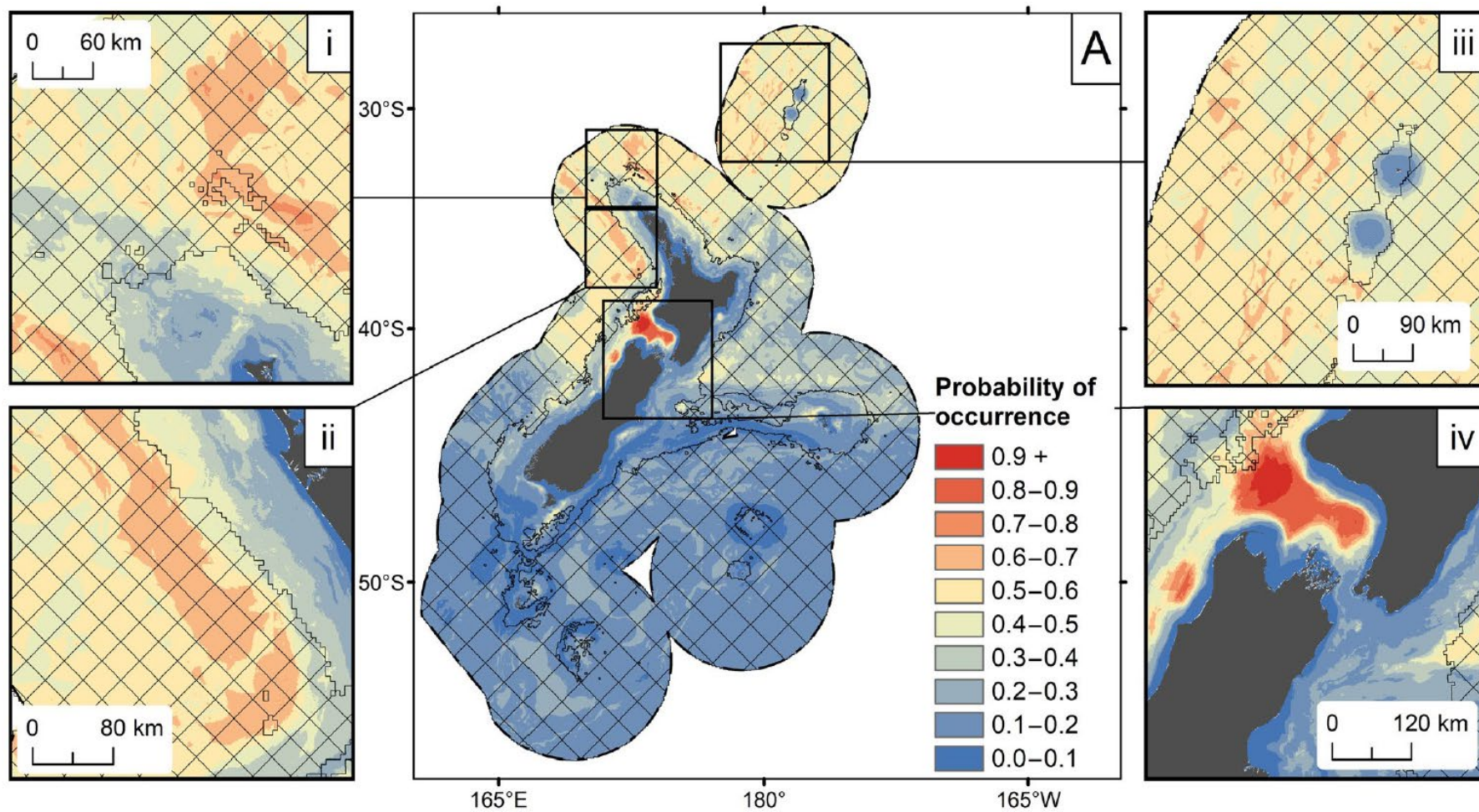
Maui dolphin



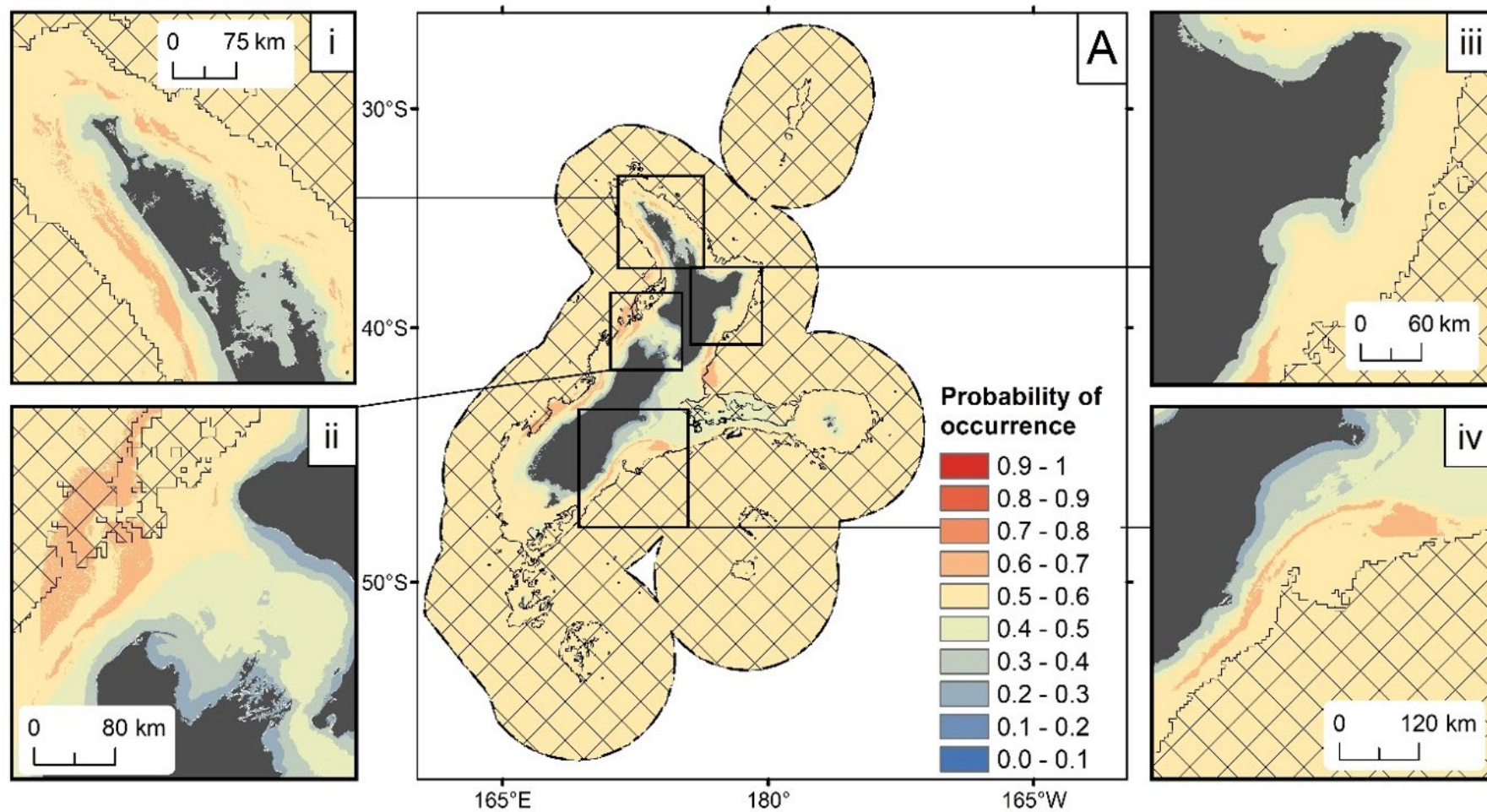
Common dolphins



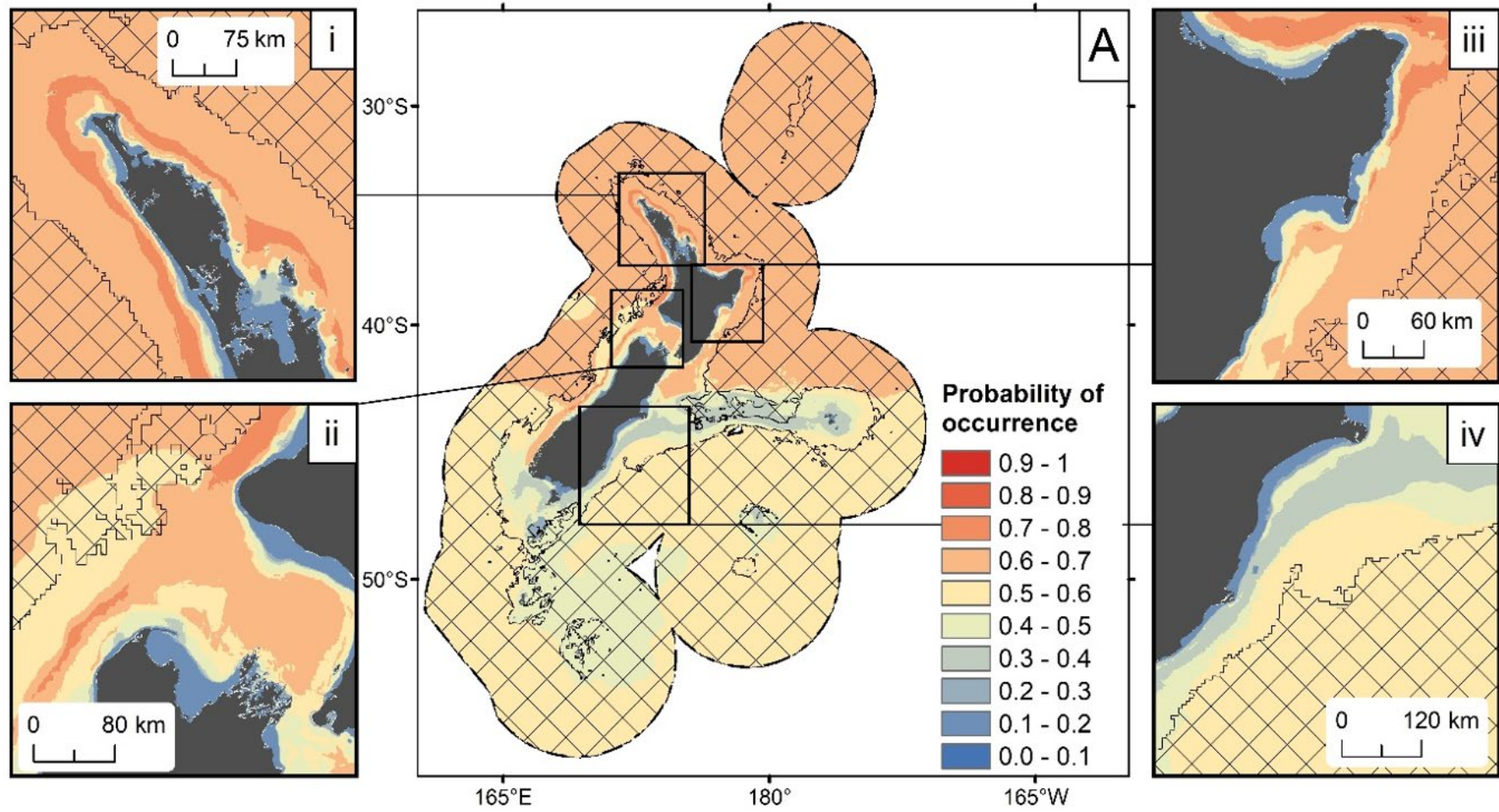
Blue whales



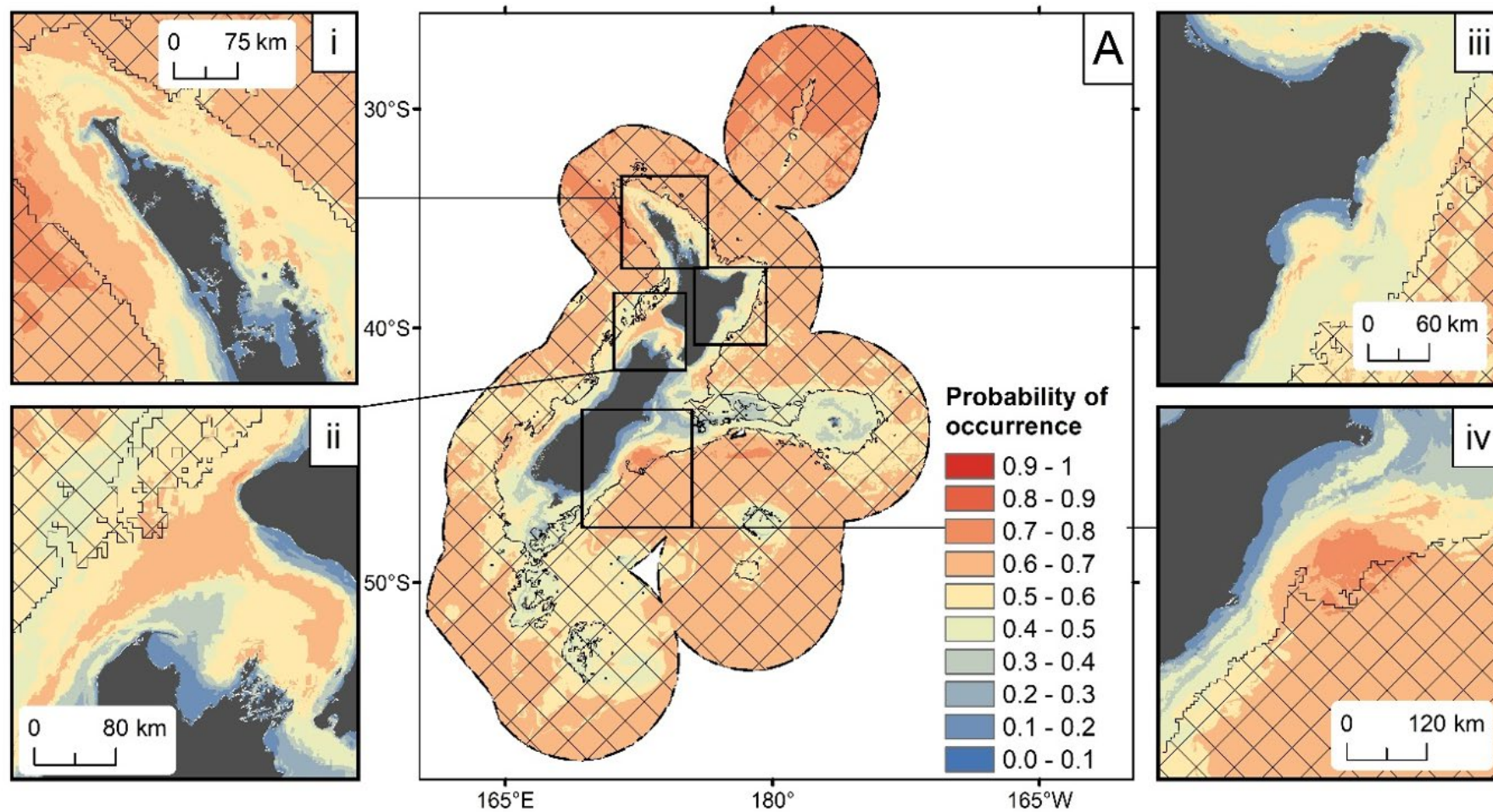
Minke whale



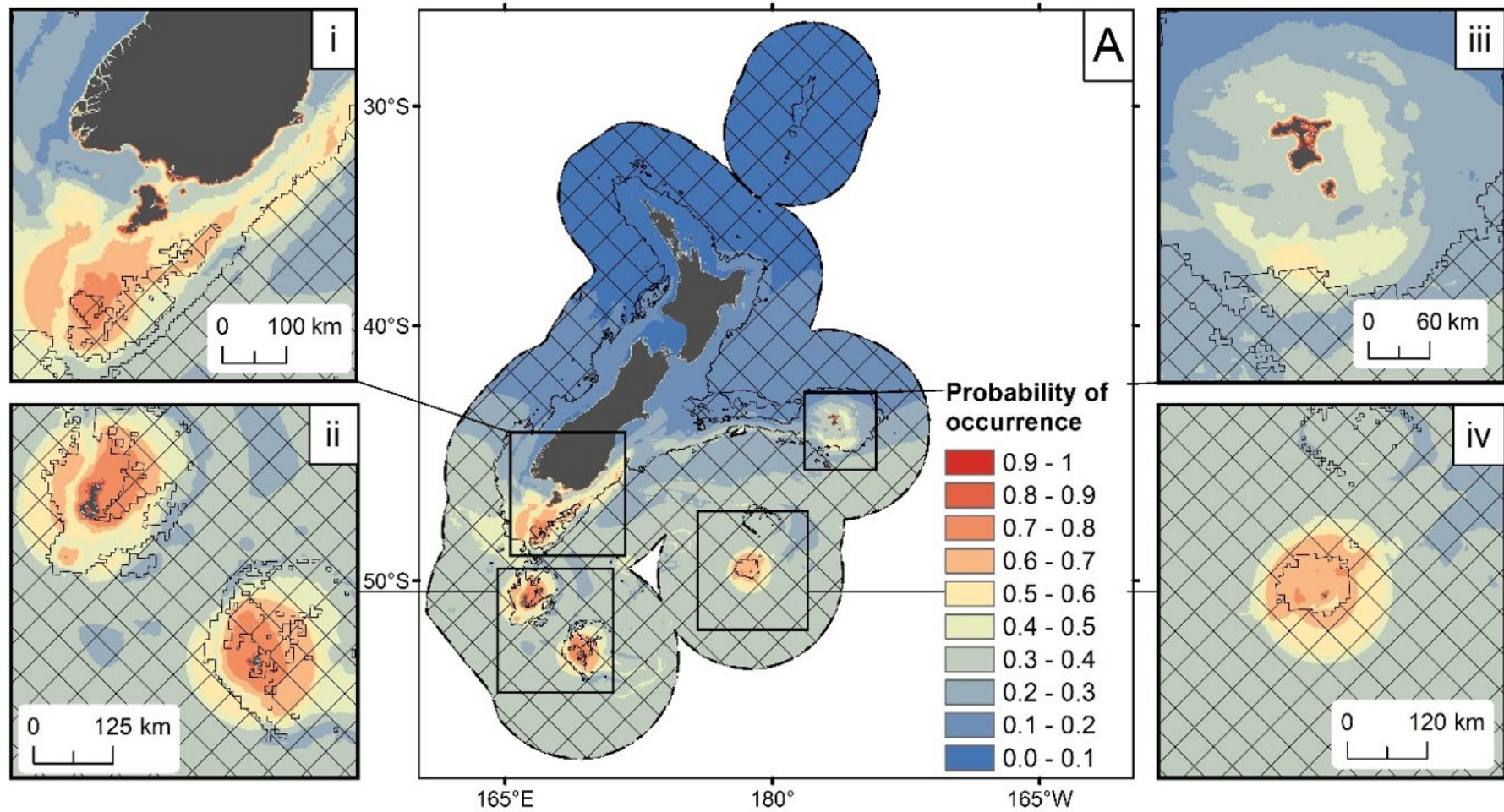
Fin whale



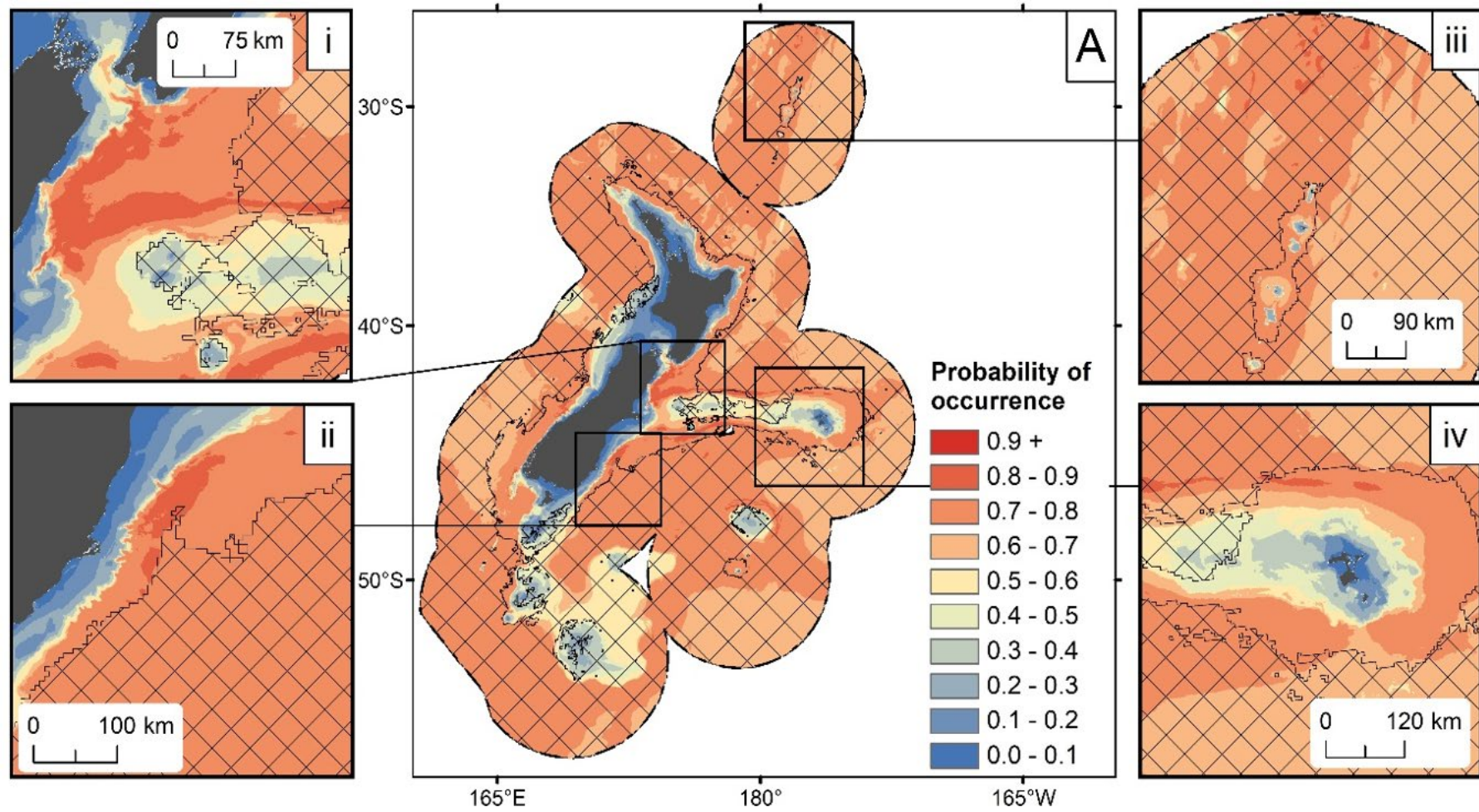
Sei whale



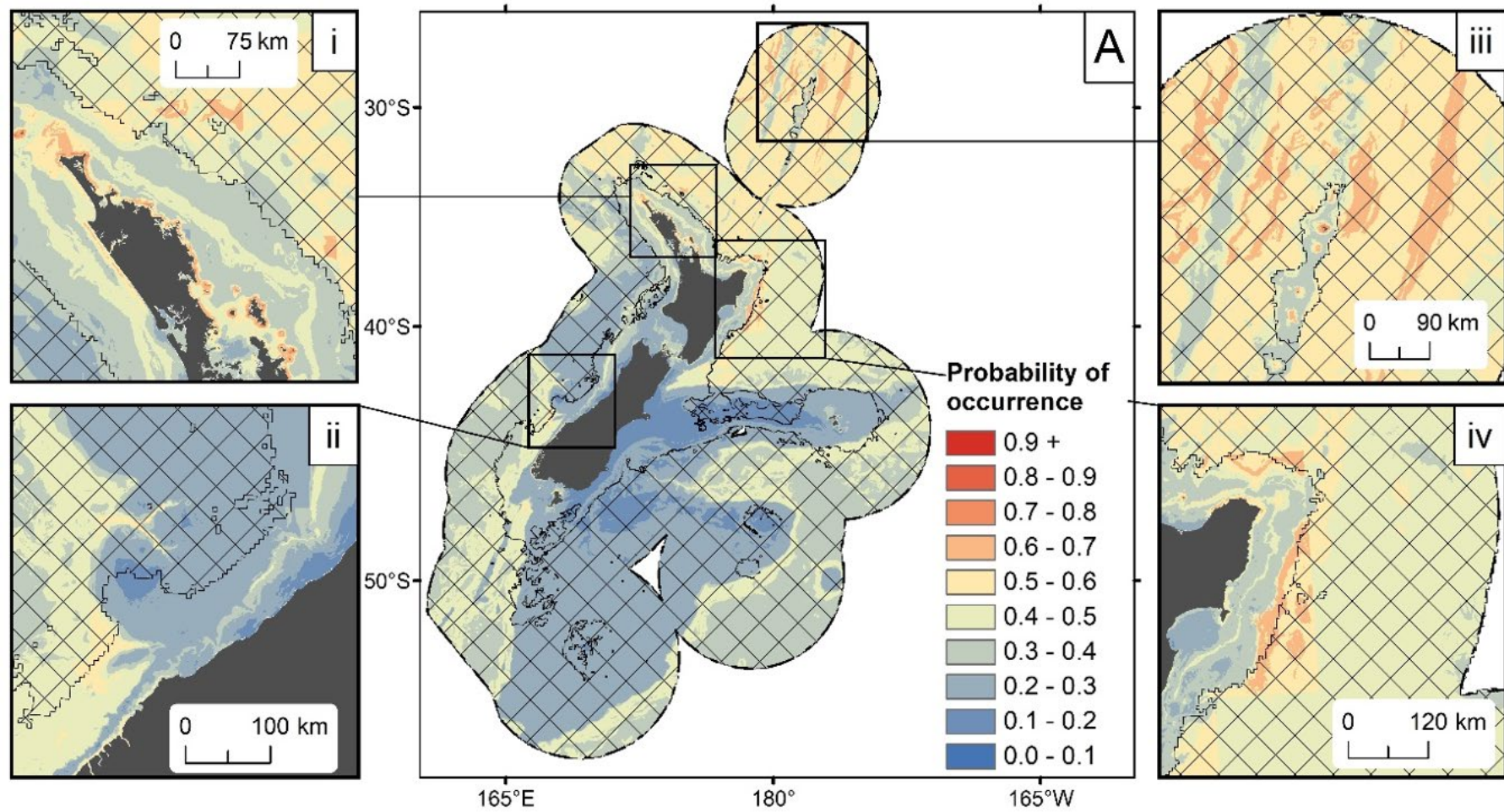
Southern right whale



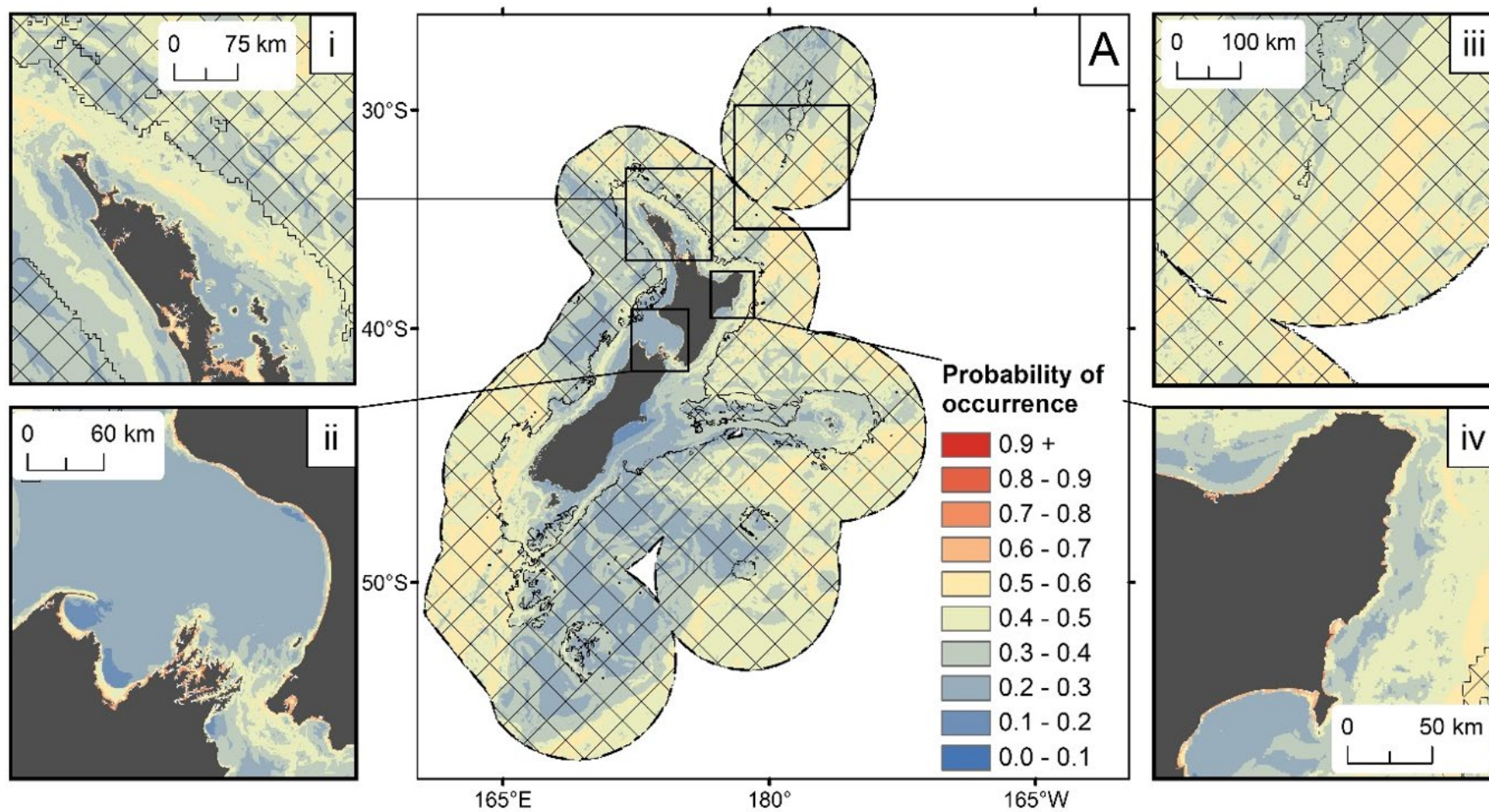
Sperm whale



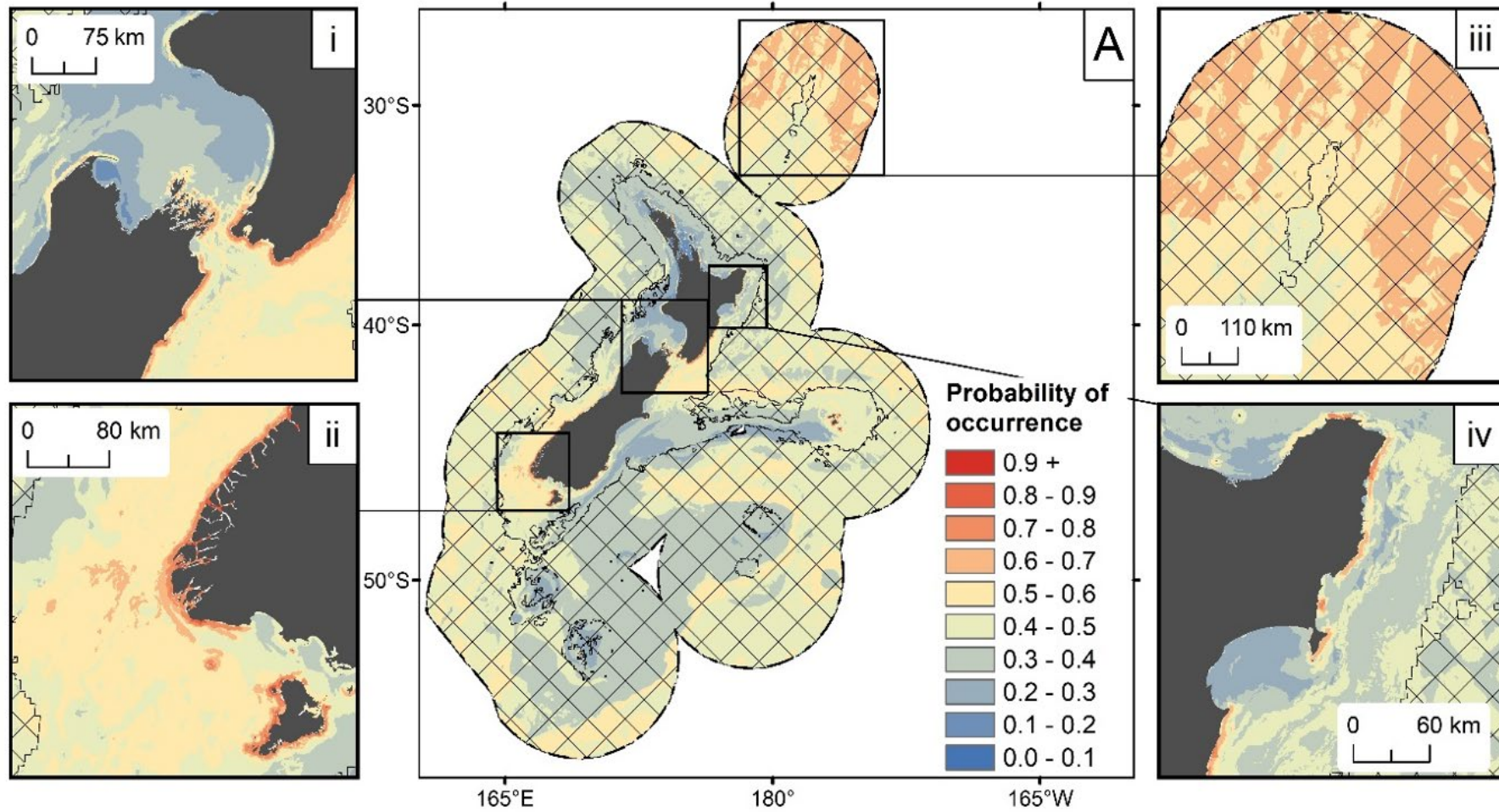
Bottlenose dolphins



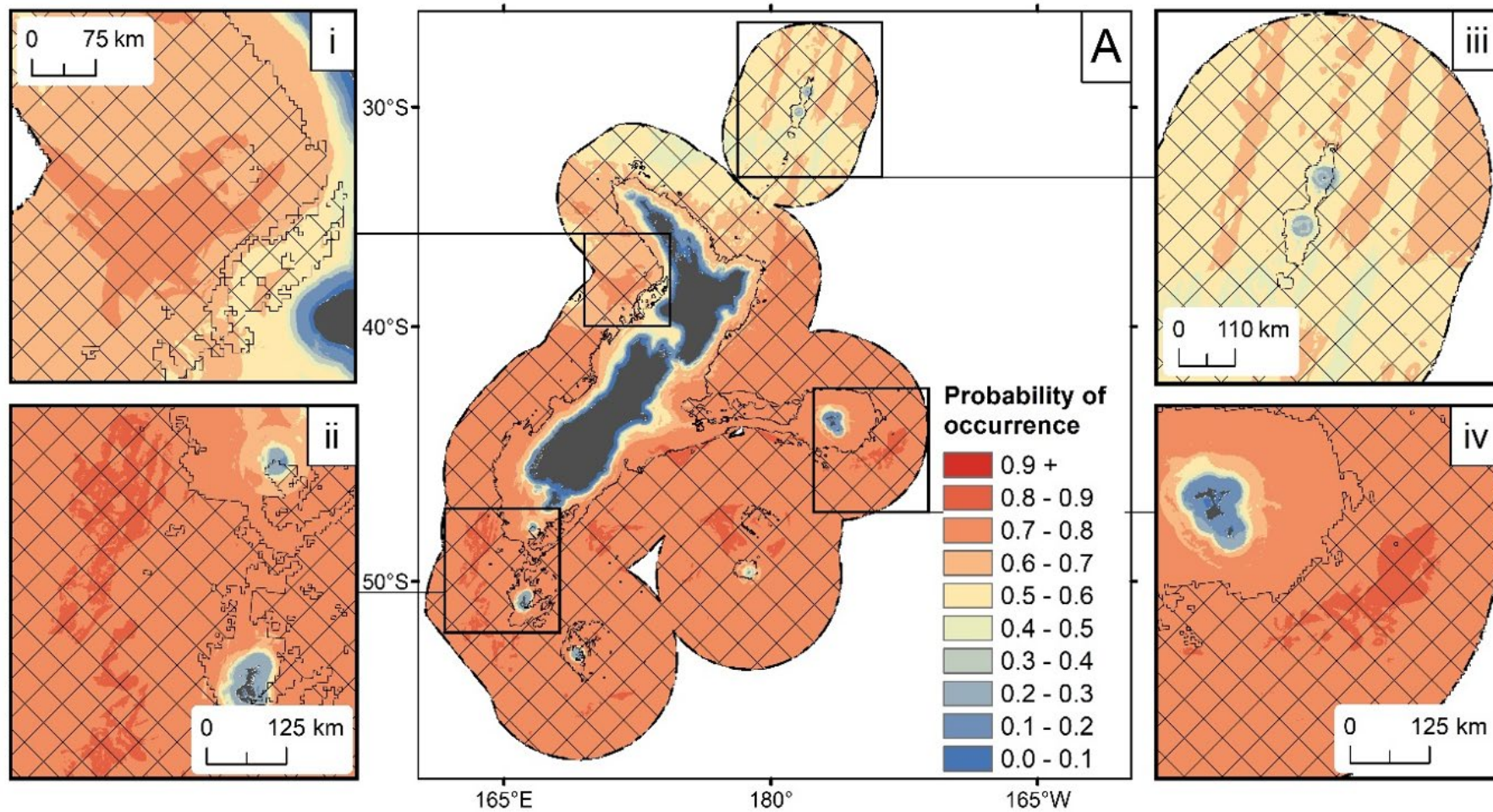
Killer whale



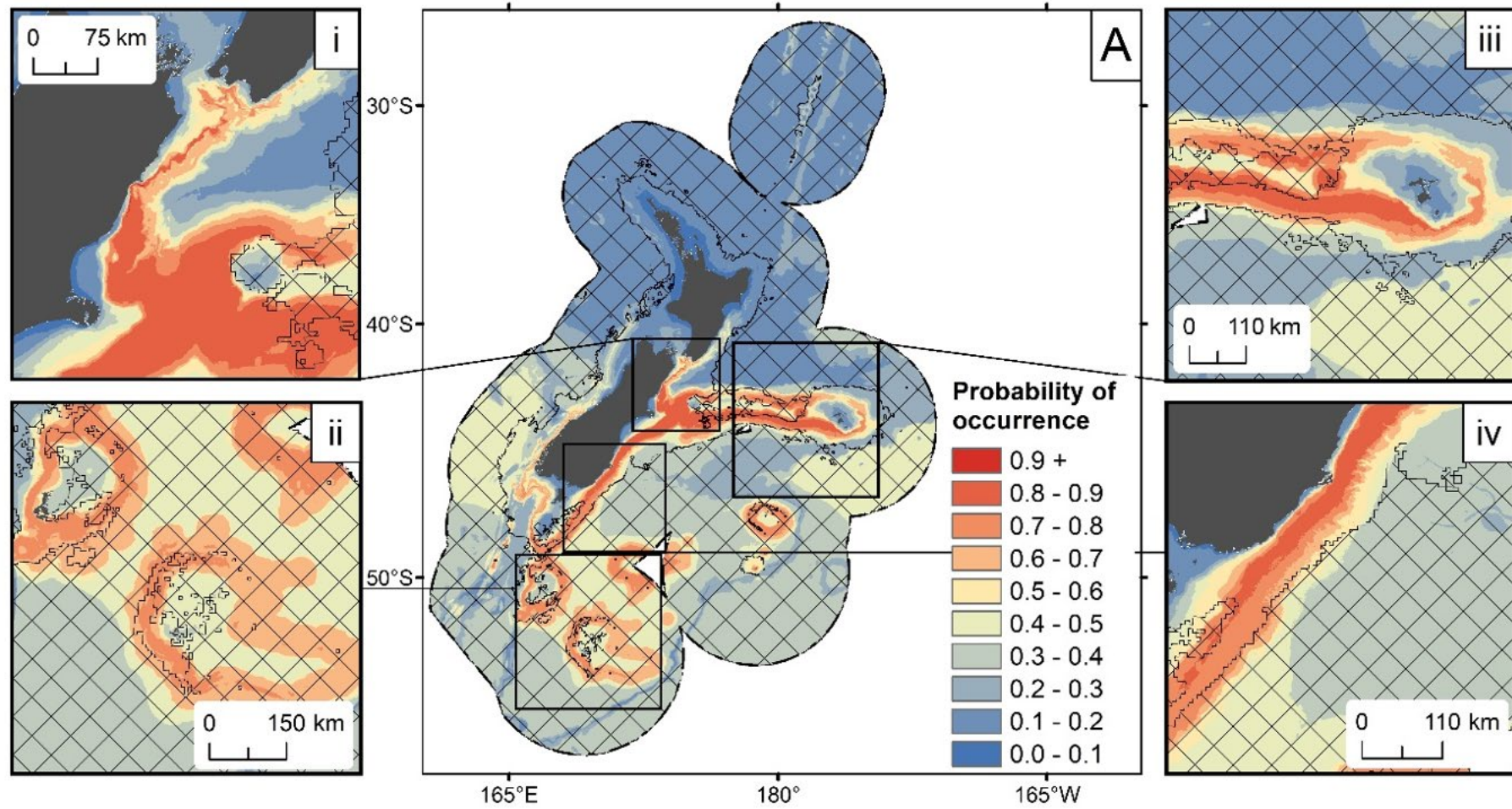
Humpback whale

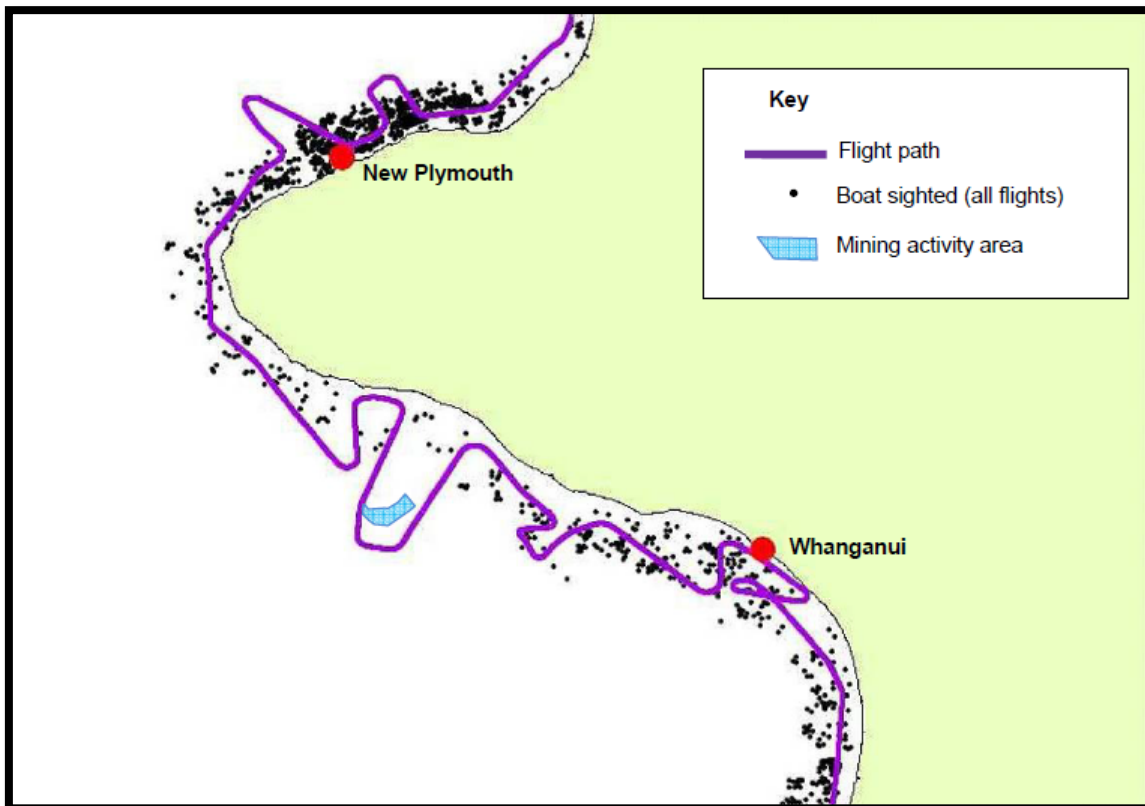


Pilot whales



Dusky dolphins





Appendix 3.8: Inshore boat angling activity, from Tongapurutu to Tangimoana, Taranaki.

Appendix 3.9: Species commonly customarily harvested from the STB and the method used

Māori name	Common name	Scientific name	Harvesting method	Centre of abundance in the STB
Kina	sea urchin	<i>Evechinus chloroticus</i>	hand gathering, diving	Shallow coastal reefs
Pāua	paua, NZ abalone	<i>Haliotis iris</i>	hand gathering, diving	Shallow coastal reefs
Kuku, Kūtai	green-lipped mussel	<i>Perna canaliculus</i>	hand gathering, diving	Shallow coastal reefs
Rori	black sea slug	<i>Scutus breviculus</i>	hand gathering	Shallow coastal reefs
Weke	octopus	<i>Pinnoctopus cordiformis</i>	hand gathering, potting	Coastal reefs
Pupu	cats-eyes, top shells, turban shells and limpets	<i>Turbo smaragdus</i> , <i>Melagraphia aethiops</i> , <i>Cookia sulcata</i> , <i>Cellana ornata</i> , <i>C. radians</i> and <i>C. stellifera</i>	hand gathering	Shallow coastal reefs
Papaka	purple rock crab paddle crab	<i>Leptograpsus variegatus</i> <i>Ovalipes catharus</i>	hand gathering potting	Intertidal reefs Shallow coastal zone
Kōura	red rock lobster	<i>Jasus edwardsii</i>	potting, diving	Subtidal reefs to 50 m
Paeha	sweep	<i>Scorpius lineolatus</i>	lining, netting	Subtidal reefs to 30 m
Nanua	red moki	<i>Cheilodactylus spectabilis</i>	netting	Subtidal reefs to 30 m
Patote	butterfish	<i>Odax pullus</i>	netting	Subtidal reefs to 10 m
Kooriro	conger eel	<i>Conger verreauxi</i>	potting	Subtidal reefs
Rawaru	blue cod	<i>Parapercis colias</i>	Potting, lining	Subtidal reefs and shallow coastal zone to 30 m
Haku	kingfish	<i>Seriola lalandi</i>	lining	Subtidal reefs
Arara	trevally	<i>Pseudocaranx georgianus</i>	lining, netting	Shallow coastal zone to 50 m
Kuparu	John dory	<i>Zeus faber</i>	netting	Open ground and reefs > 25 m
Hiriri	leatherjacket	<i>Parika scaber</i>	lining, netting	Shallow coastal zone to 50 m
Kahawai	kahawai	<i>Arripis trutta</i>	lining, netting	Shallow coastal zone to 15 m
Kumu	red gumard	<i>Chelidonichthys kumu</i>	lining	Shallow coastal zone to 50 m
Mango	rig	<i>Mustelus lenticulatus</i>	netting	Shallow coastal zone to 35 m
Koheru	golden mackerel	<i>Trachurus novaezelandiae</i>	netting	Shallow coastal zone to 20 m
Koheru	horse mackerel	<i>Trachurus declivis</i>	netting	Offshore zone > 30 m
Porae	porae	<i>Nemadactylus douglasi</i>	netting	Subtidal reefs and adjacent sand flats
Reperepe	elephant fish	<i>Callorhynchus milii</i>	lining	Shallow coastal zone to 15 m
Tāmure	snapper	<i>Pagrus auratus</i>	lining	Coastal zone to 30 m

Pioke	northern spiny dogfish	<i>Squalus griffini</i>	netting	Deep water west of Maui platform
Tuare	blind eel	<i>Eptatretus cirrhatus</i>	potting	Throughout the region
Tarakihi	tarakihi	<i>Nemadactylus macropterus</i>	lining	Subtidal reefs and offshore zone > 20 m
Pātiki	lemon sole	<i>Pelotretis flavilatus</i>	netting	Coastal zone especially towards Whanganui
Maka, Makaa, Maka	barracouta	<i>Thyrsites atun</i>	lining	Throughout the region
Warehou	common warehou	<i>Seriolella brama</i>	lining	Shallow coastal zone to 20 m
Warehou	silver warehou	<i>Seriolella punctata</i>	lining	Off shore zone > 50 m
Hoka	red cod	<i>Pseudophycis bachus</i>	lining	Shallow coastal zone to 10 m
Paara	frostfish	<i>Lepidopus caudatus</i>	lining	Offshore zone > 100 m
Hapuka	Groper or bass	<i>Polyprion oxygeneios</i>	lining	Offshore reefs

