

Penguin Rescue Inc Soc

Annual Report 2019/20



Hiltrun Ratz, Rosalie Goldsworthy

2019/20 season

Katiki Point: 20 nests

no new recruits

Okahau Point: 18 nests

incl. 2 females recruited at 2 years old

1 female recruited at 3 years old

Katiki Beach: 0 nests

Shag Point: 0 nests

Katiki Beach

Regular beach checks

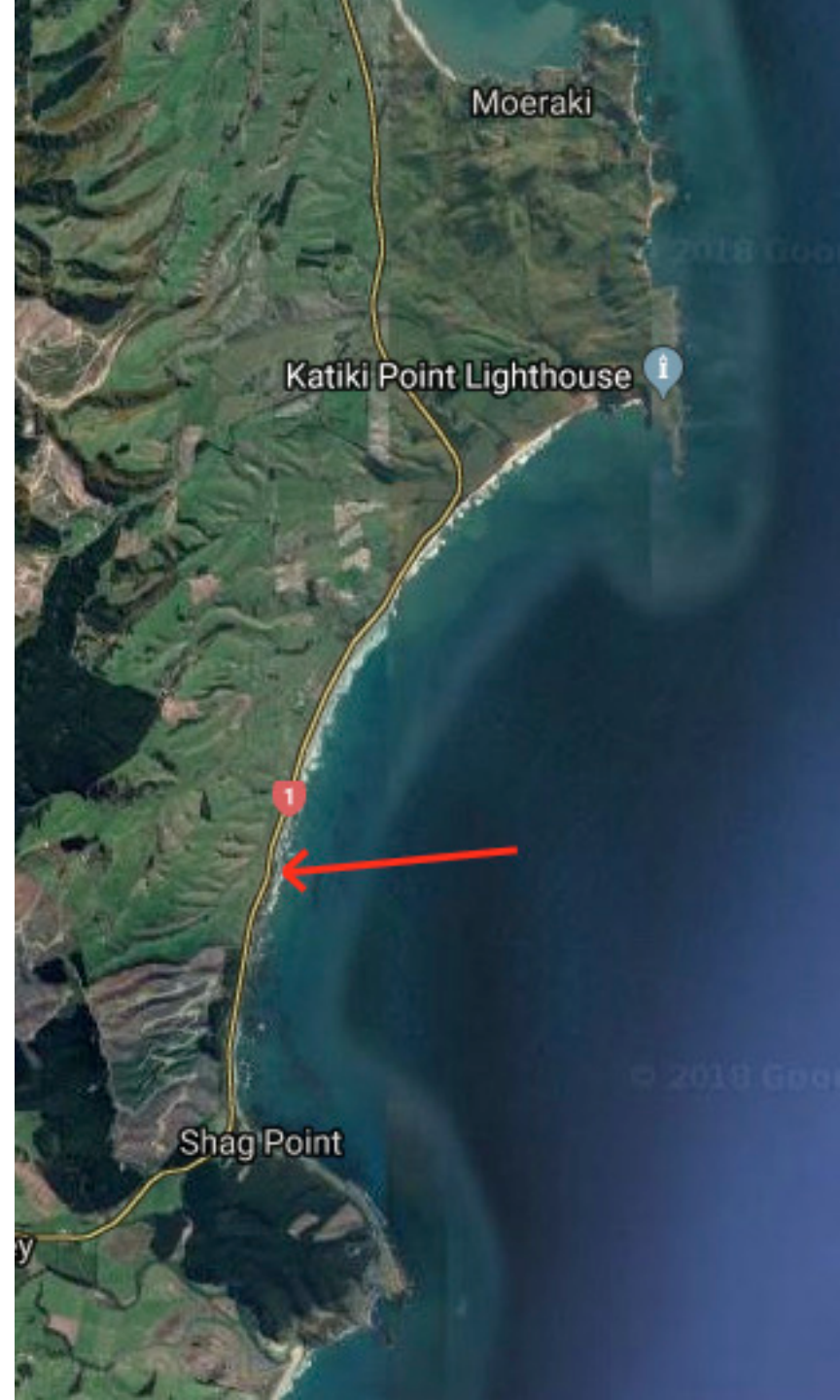
trapped and killed

10 stoats

2 ferrets

18 rats

2 weasel



Shag Point

trapped and killed

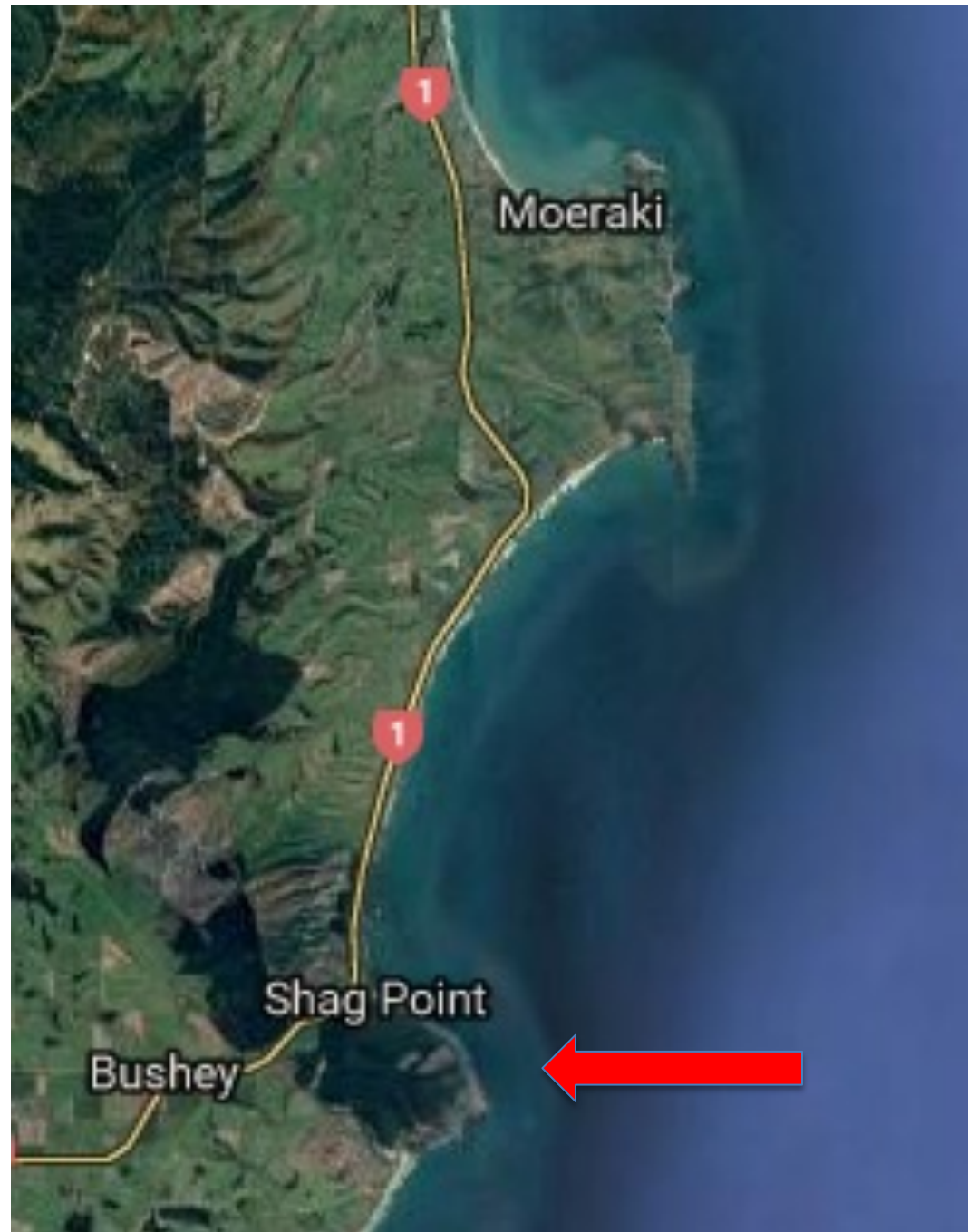
22 stoats

2 ferrets

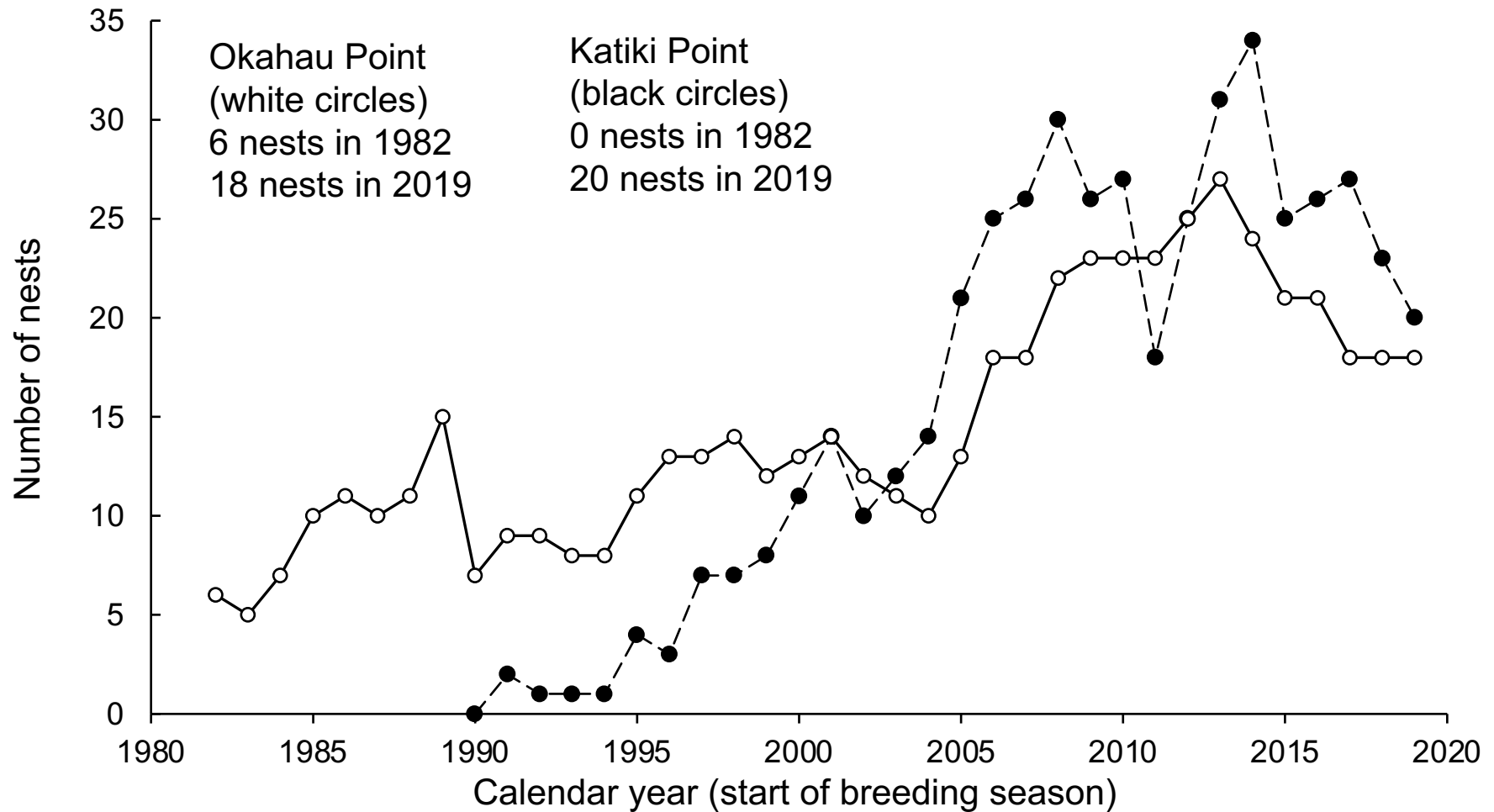
9 rats,

5 weasels

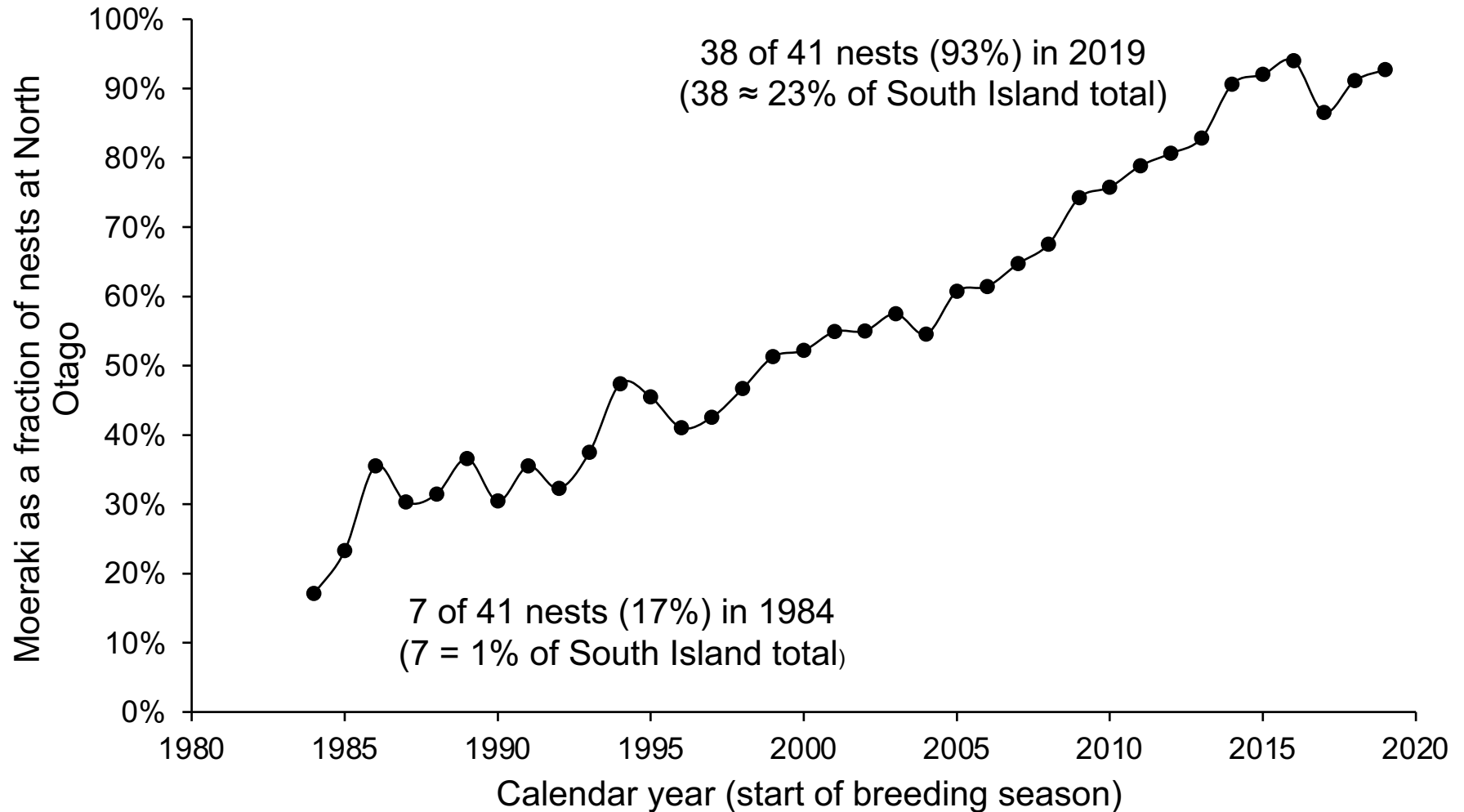
1 hedgehogs



Yellow-eyed penguin nests at Katiki Point and Okahau Point from 1982 to 2019

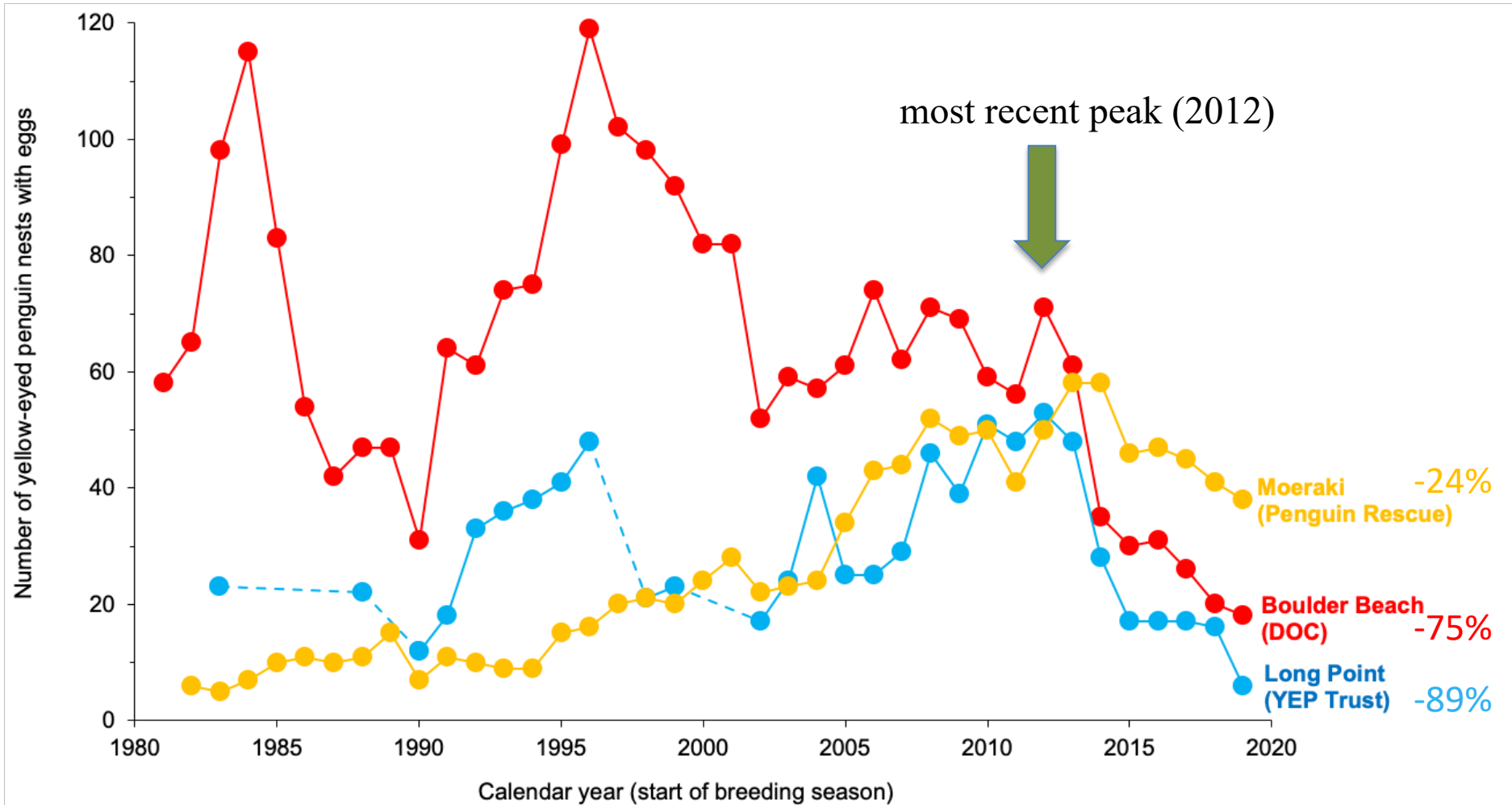


Yellow-eyed penguin nests at Moeraki as a proportion of all North Otago nests from 1984 to 2019



3 key mainland breeding sites for yellow-eyed penguins

Minister of Conservation
Maggie Barry 2 April 2015



Minimum effect of rehabilitation effort on 2019/20 breeding pair numbers

Katiki Point: 20 females bred

18 (90%) have been rehabilitated and released

At best there would have been 2 nests

Okahau Point: 18 females bred

13 (72%) have been rehabilitated and released

At best there would have been 5 nests

Rehabilitation July 2019 - June 2020

Yellow-eyed penguins:

	individuals	admissions	release rate of individuals
adults	37	42	100%
juveniles (1 yr old)	16	24	100%
pre-fledging chicks	49	49	98%
post-fledging chicks	3	5	100%
TOTAL	105	120	99%

Special thanks to



Malaria treatment in rehab

	Female	Male	Unknown sex
breeders	6	4	
non-breeders	1	2	
juvenile			1
pre-fledging chicks*			5
post-fledging chicks			1

*All chicks infected prior to admission

Breeding success in 2019/20

	Katiki Point	Okahau Point
Number of nests	20	18
Fertility eggs hatched / laid	93% (37/40)	94% (33/35)
Chick survival chicks fledged/ hatched	65% (24/37)	73% (24/33)
Chicks raised per pair chicks fledged/ nest	1.20	1.33

Diphtheria

All chicks were treated

Predation outbreak

3 chicks died 19-28 December

2 from KP aged 25 days (1.1kg) and 34 days old (2.6kg)

1 from OP aged 48 days (4.0kg)

Predators killed (since January 2020)

33 cats (31)

32 ferrets (23)

3 stoats (3)

36 rats (22)

1 possum (0)









6 from Penguin Rescue attended

3 posters were presented

“Restricting penguins instead of people: a mitigation of the impact of uncontrolled visitors on yellow-eyed penguins”

Rosalie Goldsworthy, Hiltrun Ratz, Chris Lalas

“Rehabilitation as a management tool to enhance population size of yellow-eyed penguins”

Hiltrun Ratz, Janice Jones, Rosalie Goldsworthy, Chris Lalas

“Prey switching by yellow-eyed penguins attributable to recreational over-fishing?”

Chris Lalas, Hiltrun Ratz

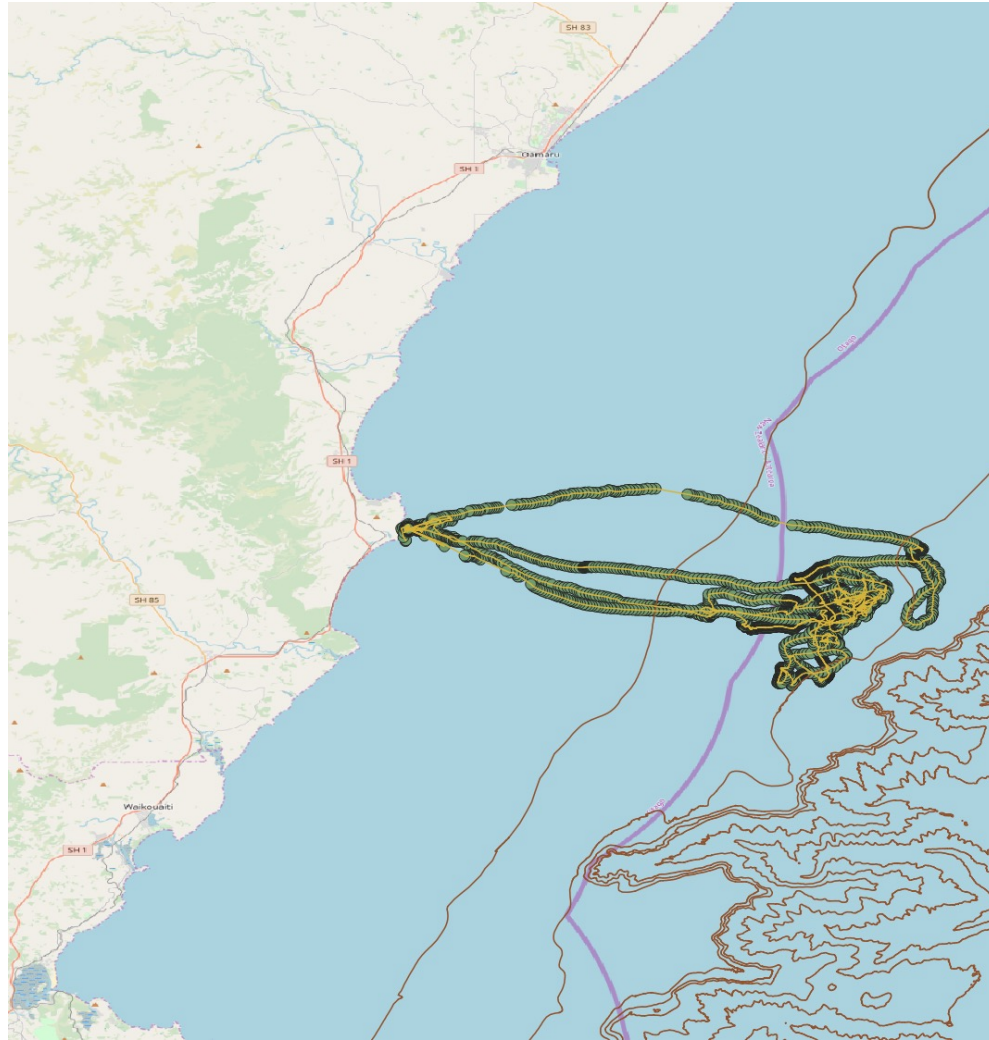
Tracking of single males

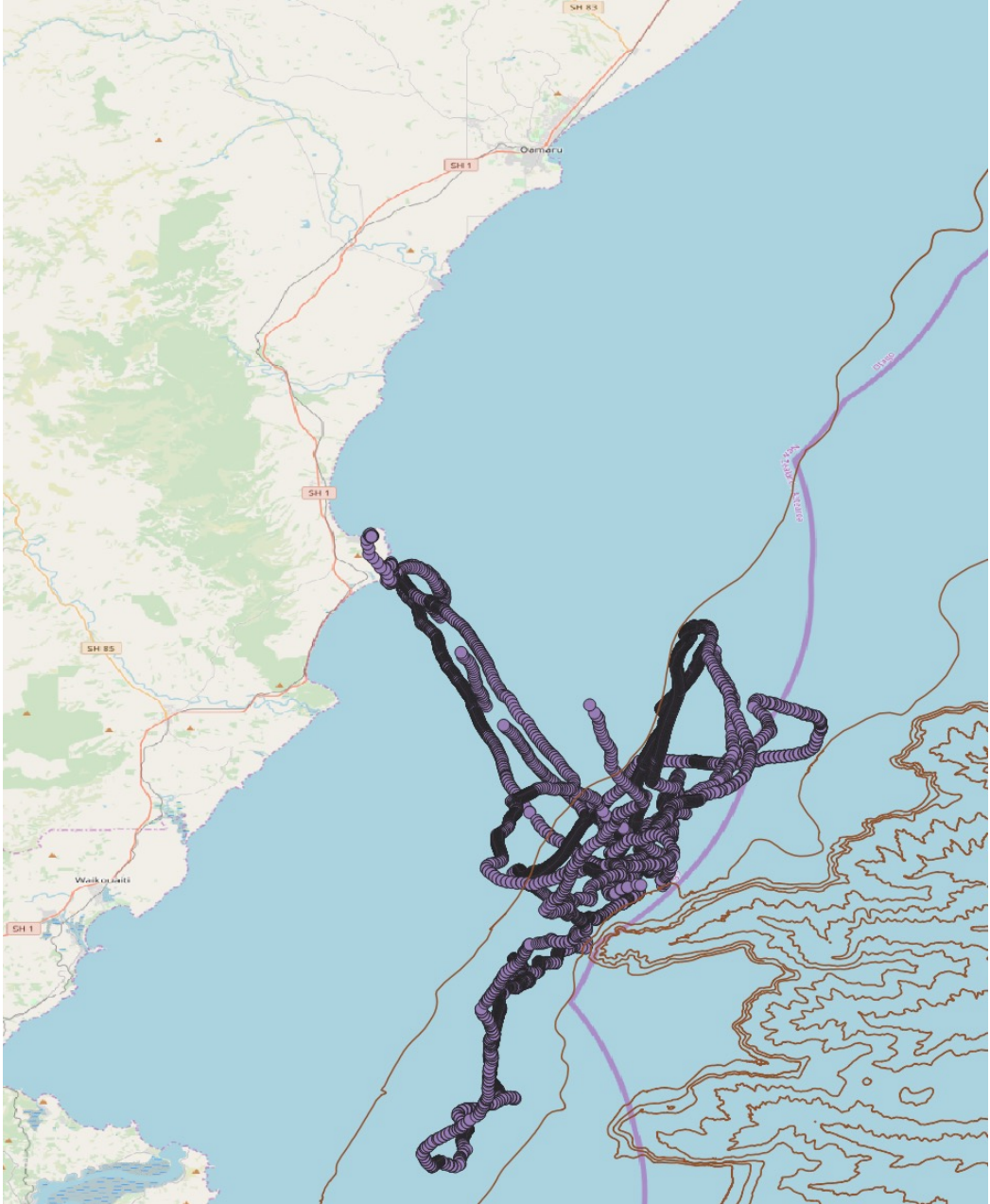
Five non-breeding males from each colony with a dummy egg

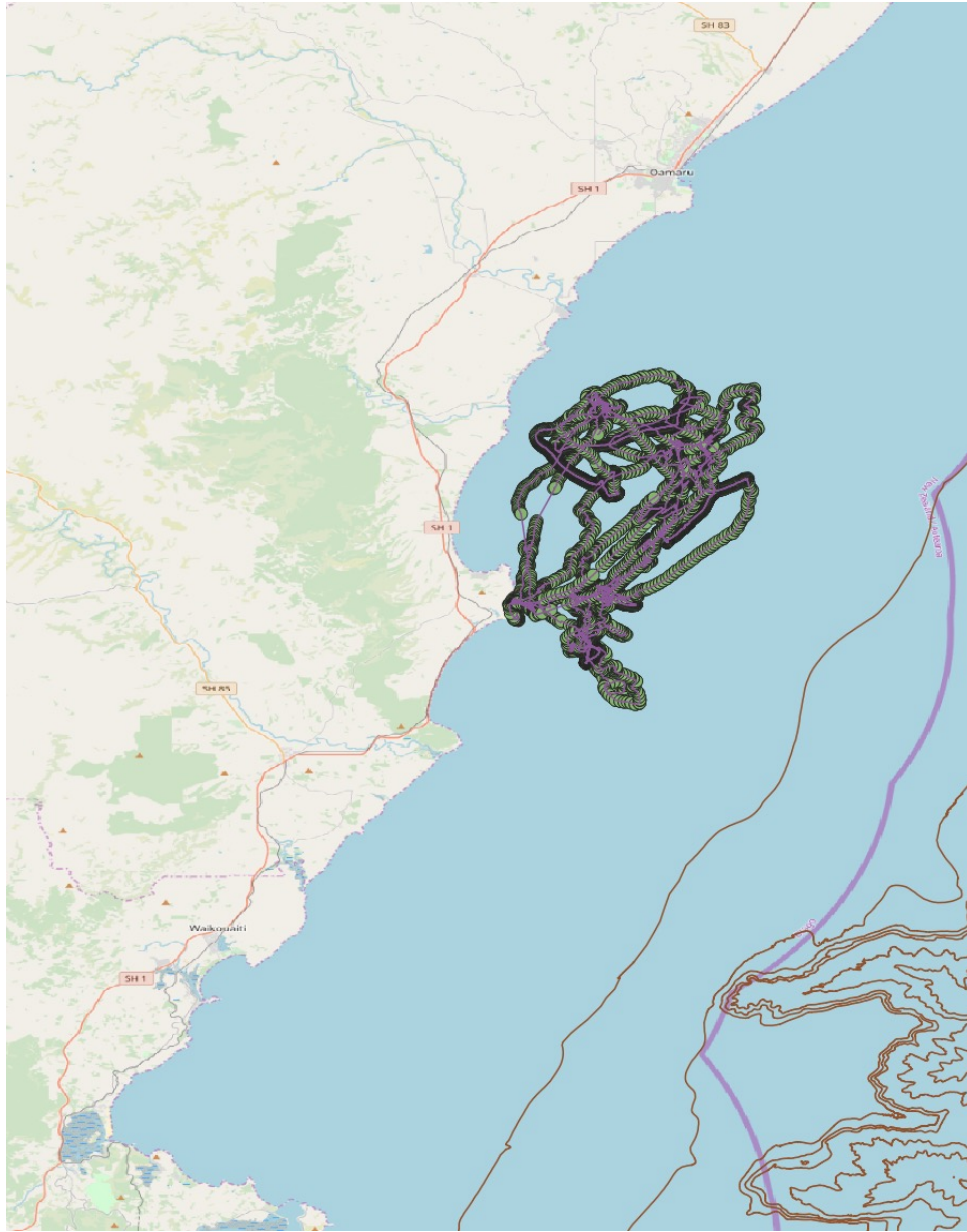


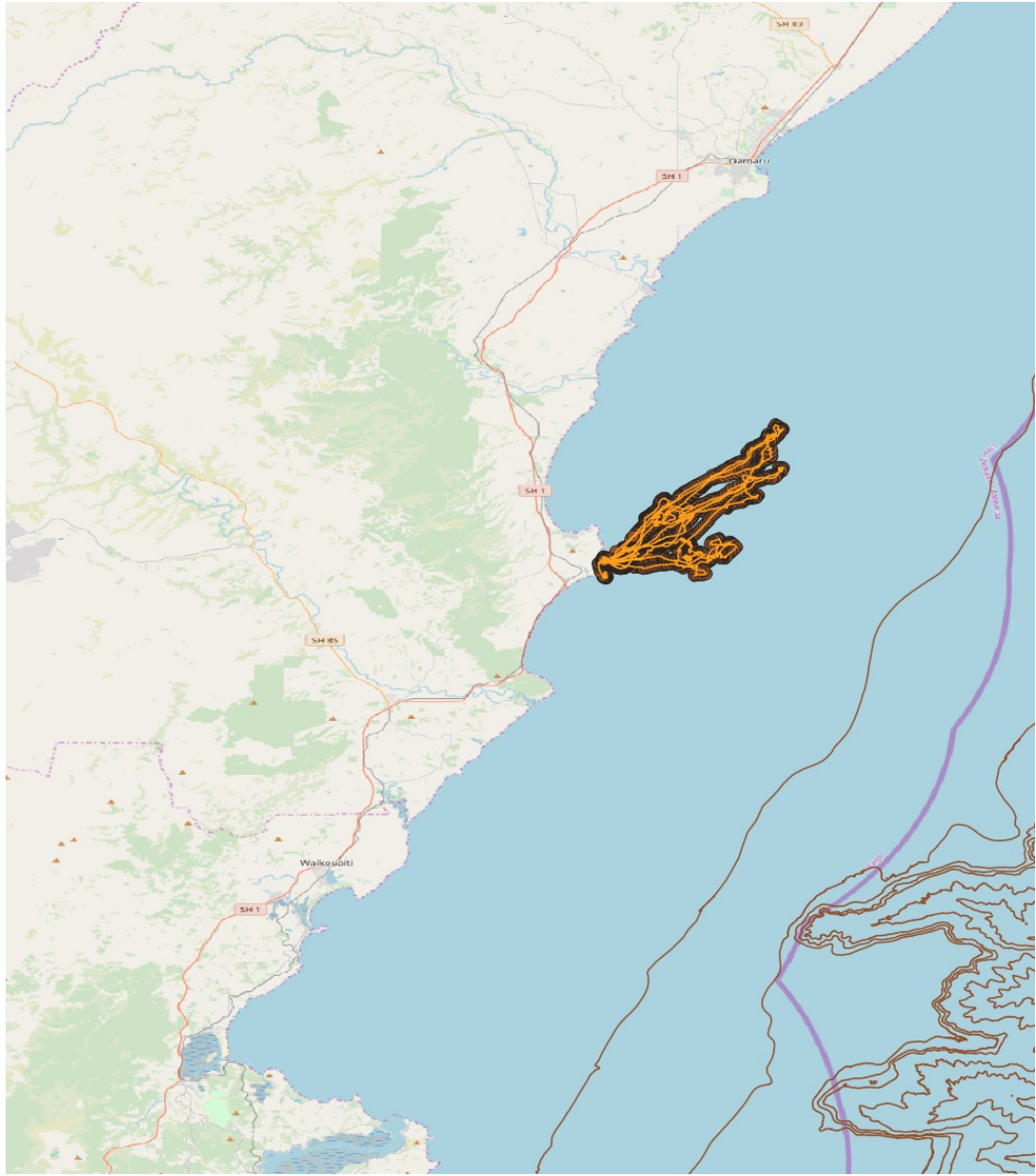
Two bouts of 3 weeks in October and November

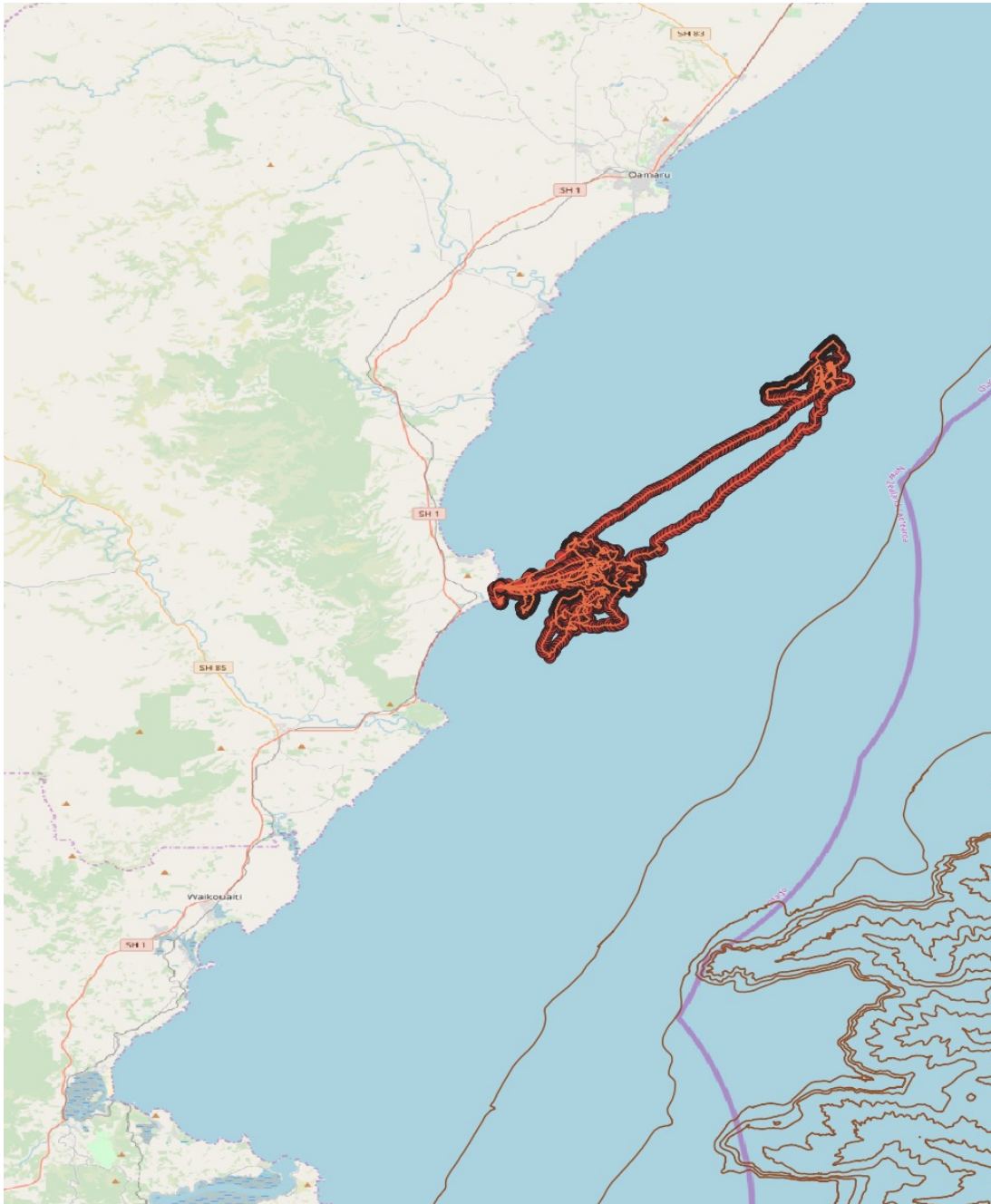












Rosalie Goldsworthy, Member to the NZ Order of Merit



Covid-19 lockdown: the show had to go on:

Monitoring of penguins in the colonies, feeding rehab inmates



To protect 23% of South Island
yellow-eyed penguin population

what is the cost?

\$ 41,315 spent

5500 hours volunteer work = 3 full time positions

33 volunteers; an average of 106 volunteer hours per week

Thank you

All volunteers

- for searching for penguins
- for cleaning the hospital
- for feeding and sorting fish
- for planting and watering
- for advocating
- for going to meetings
- for learning to microchip and take blood
- for peering down microscopes
- for caring
- for doing the legal work
- for raising money
- for doing the science



Bushnell

49°F 9°C

07-18-2020 15:00:02



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Any questions?