

Penguin Rescue Inc Soc

Annual Report 2020/21



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2020/21 season

Katiki Point: 21 nests (95% female survival)

new recruits: 2 females (both 2 years old)

Okahau Point: 20 nests (94% female survival)

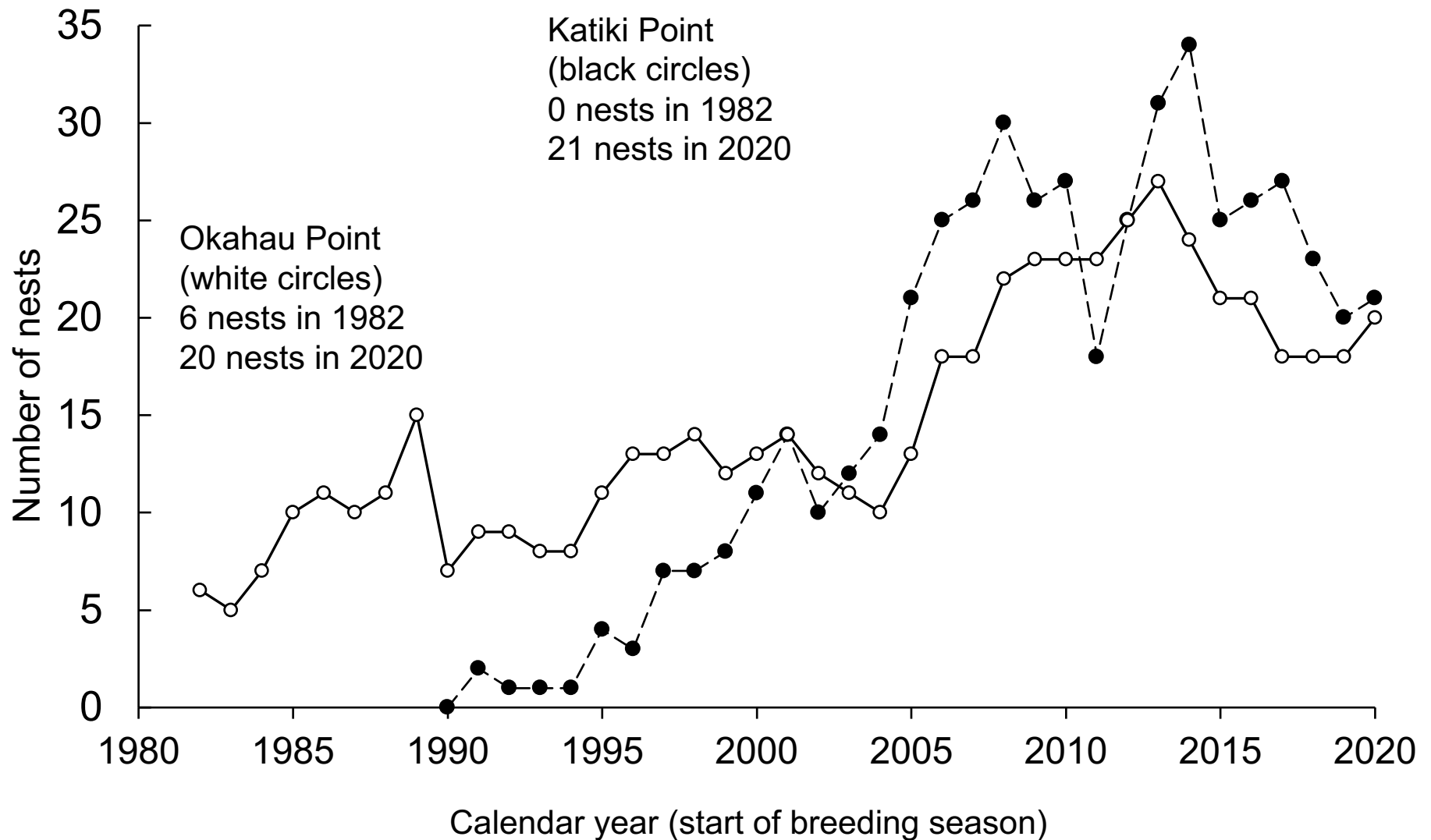
new recruits: 3 females (all 2 years old)

Katiki Beach: 1 nest

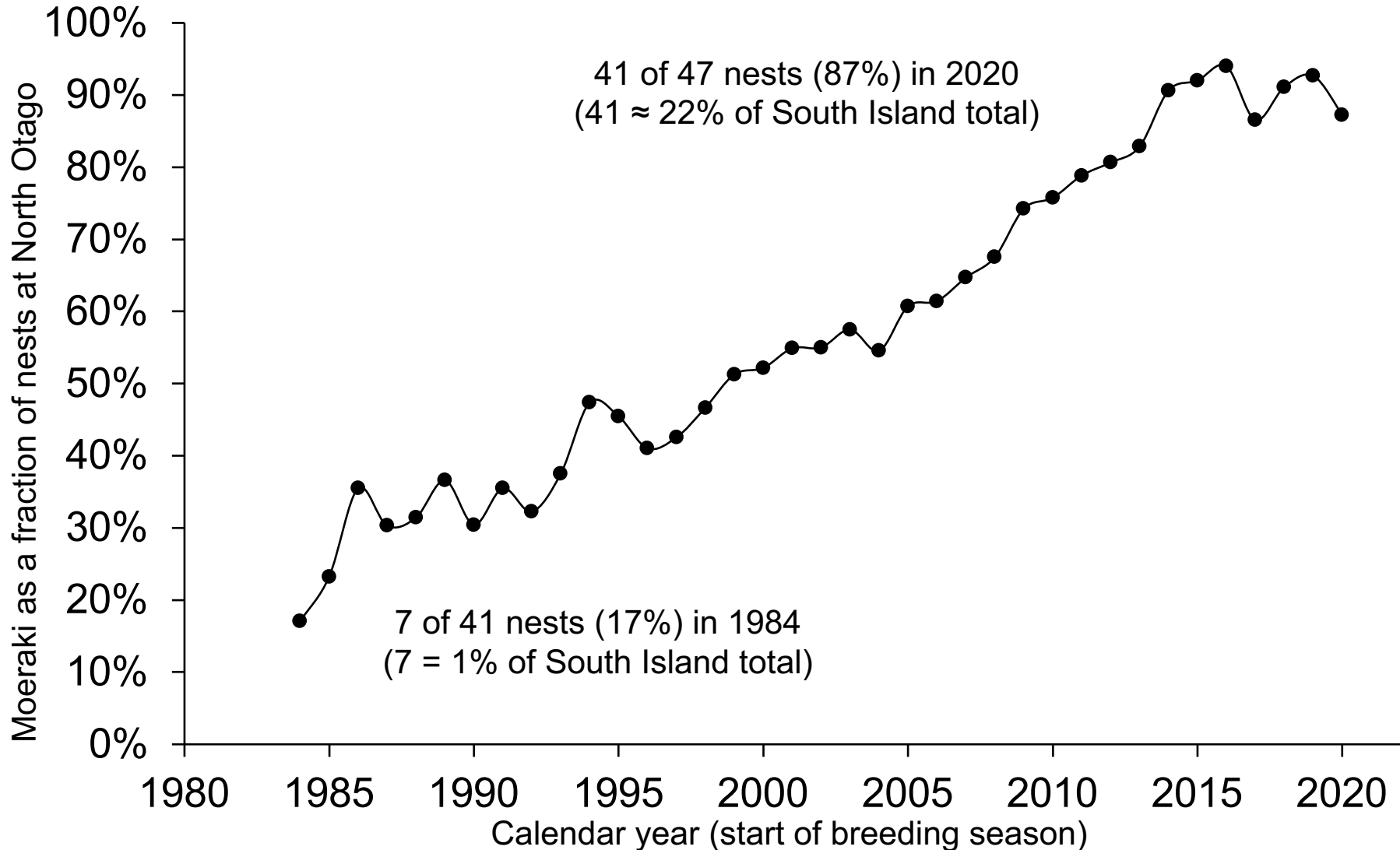
Shag Point: 0 nests

Waianakarua Bluffs: 2 nests

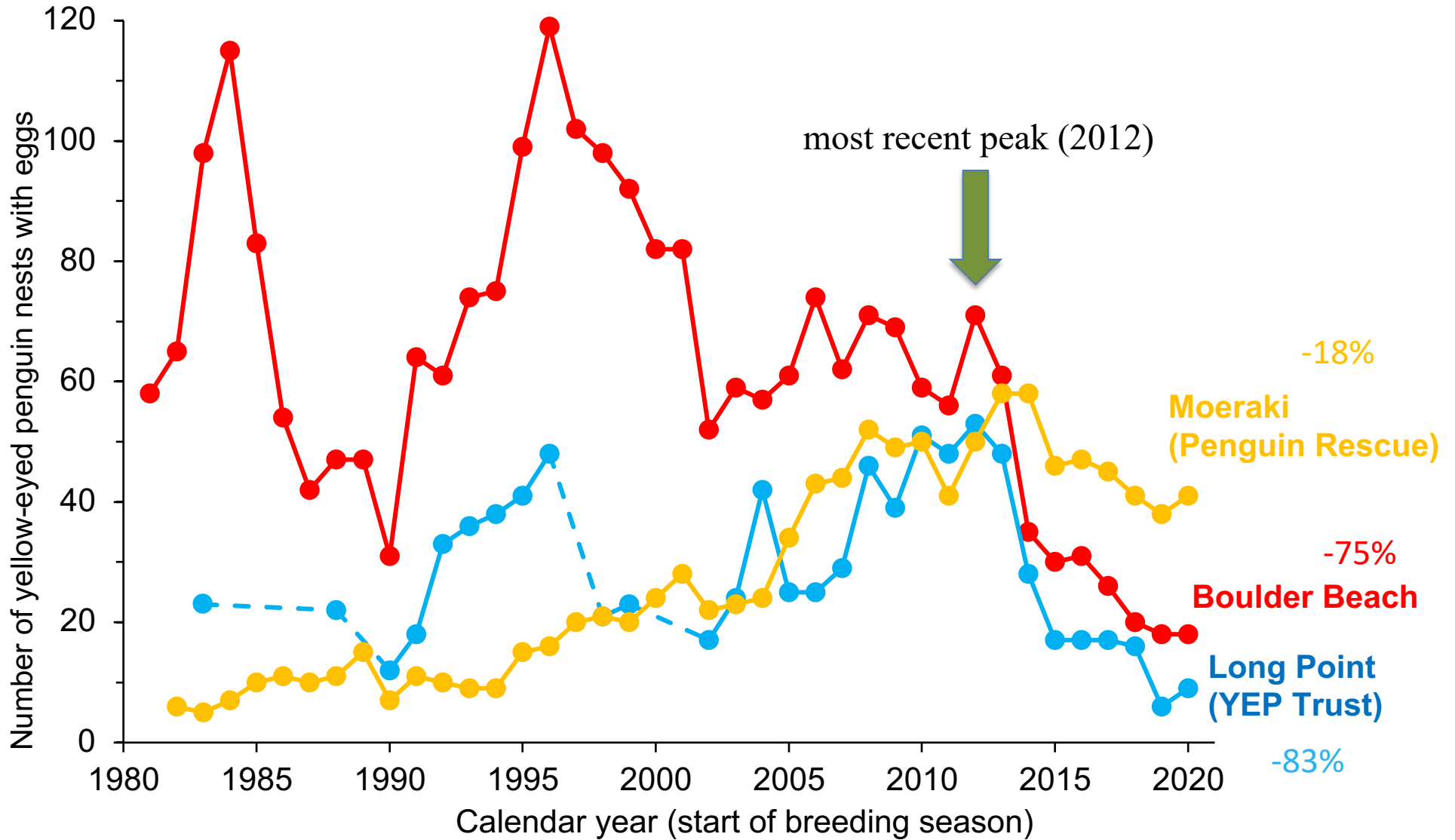
Yellow-eyed penguin nests at Katiki Point and Okahau Point from 1982 to 2020



Yellow-eyed penguin nests at Moeraki as a proportion of all North Otago nests from 1984 to 2020



3 priority breeding sites for yellow-eyed penguins



Breeding success in 2020/21

	Katiki Point	Okahau Point
Number of nests	21	20
Fertility eggs hatched / laid	83% (35/42)	80% (32/40)
Chick survival chicks fledged/ hatched	74% (26/35)	91% (29/32)
Chicks raised per pair chicks fledged/ nest	1.24	1.45

Breeding success in 2020/21

	Katiki Beach	Wainakarua
Number of nests	1	2
Fertility eggs hatched / laid	100% (2/2)	17% (1/6)
Chick survival chicks fledged/ hatched	100% (2/2)	100% (1/1)
Chicks raised per pair chicks fledged/ nest	2.00	0.50

Breeding success in 2020/21

	Aramoana	Total for Penguin Rescue
Number of nests	1	45
Fertility eggs hatched / laid	100% (2/2)	78% (72/92)
Chick survival chicks fledged/ hatched	100% (2/2)	83% (60/72)
Chicks raised per pair chicks fledged/ nest	2.00	1.33

Diphtheria

Chicks hatched at Katiki Pt and Okahau Pt: (excl. 2 chicks at Katiki Beach – found late)	70
Chicks treated:	52 (74%)
Chicks died with Diphtheria symptoms:	0
Chicks died without Diphtheria symptoms:	12 (17%)

Munida gregaria

(Lobster krill)

late October 2020: casts and red pooh



Rehabilitation July 2020 - June 2021

Yellow-eyed penguins:

	individuals	admissions	release rate of individuals
adults	22	25	100%
juveniles (1 yr old)	16	17	100%
pre-fledging chicks	24	24	100%
post-fledging chicks	5	5	80%
TOTAL	67	71	99%

Average days in rehab: 20 days

Malaria treatment in rehab

	Female	Male	Unknown sex
breeders	1	1	
non-breeders	0	1	
juveniles			8
pre-fledging chicks			5
post-fledging chicks			1

Minimum effect of rehabilitation effort on 2020/21 breeding pair numbers

Katiki Point: 21 females bred

19 (90%) have been rehabilitated and released

At best there would have been 2 nests

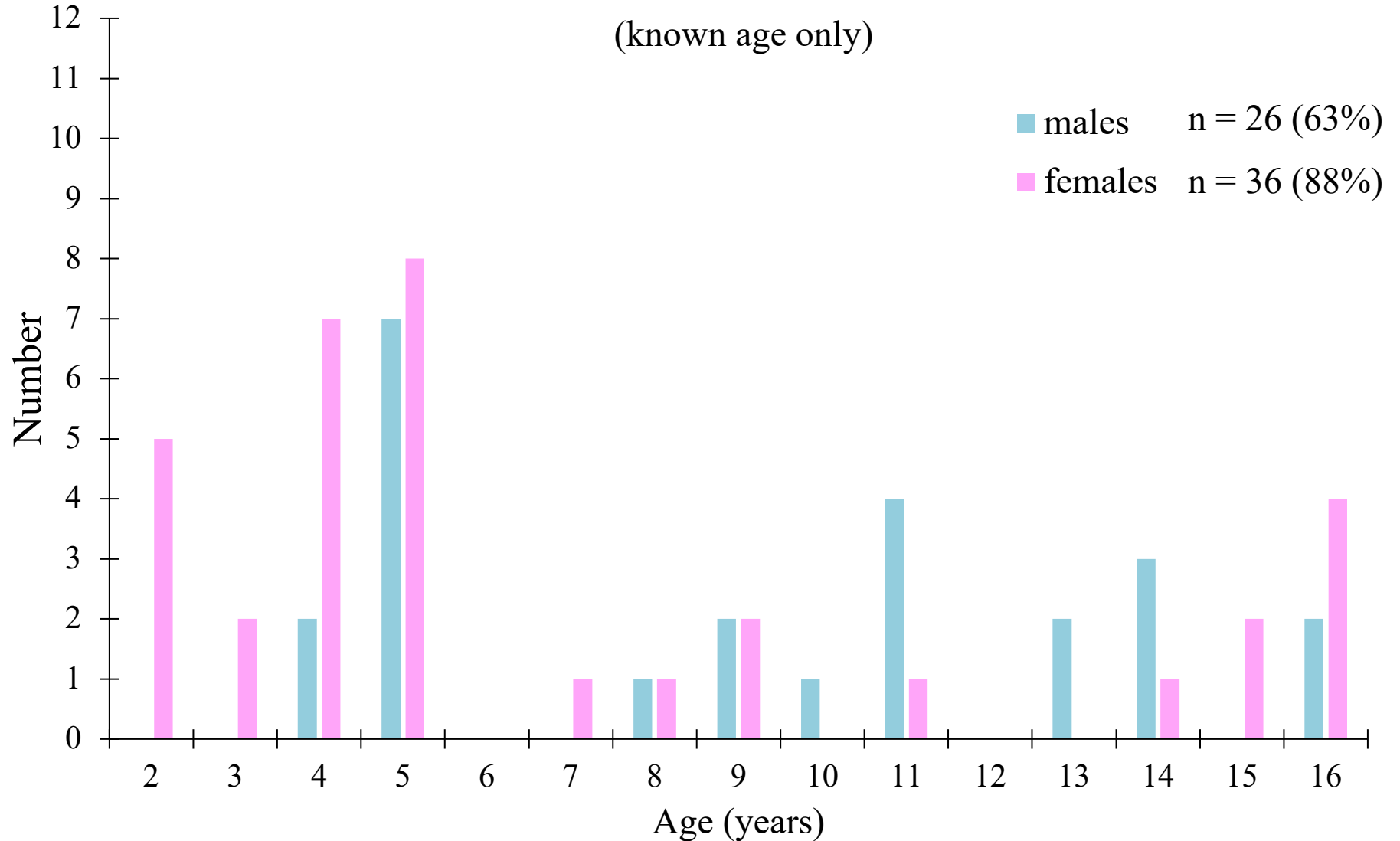
Okahau Point: 20 females bred

15 (75%) have been rehabilitated and released

At best there would have been 5 nests

Age of male and female breeders at Moeraki in 2020

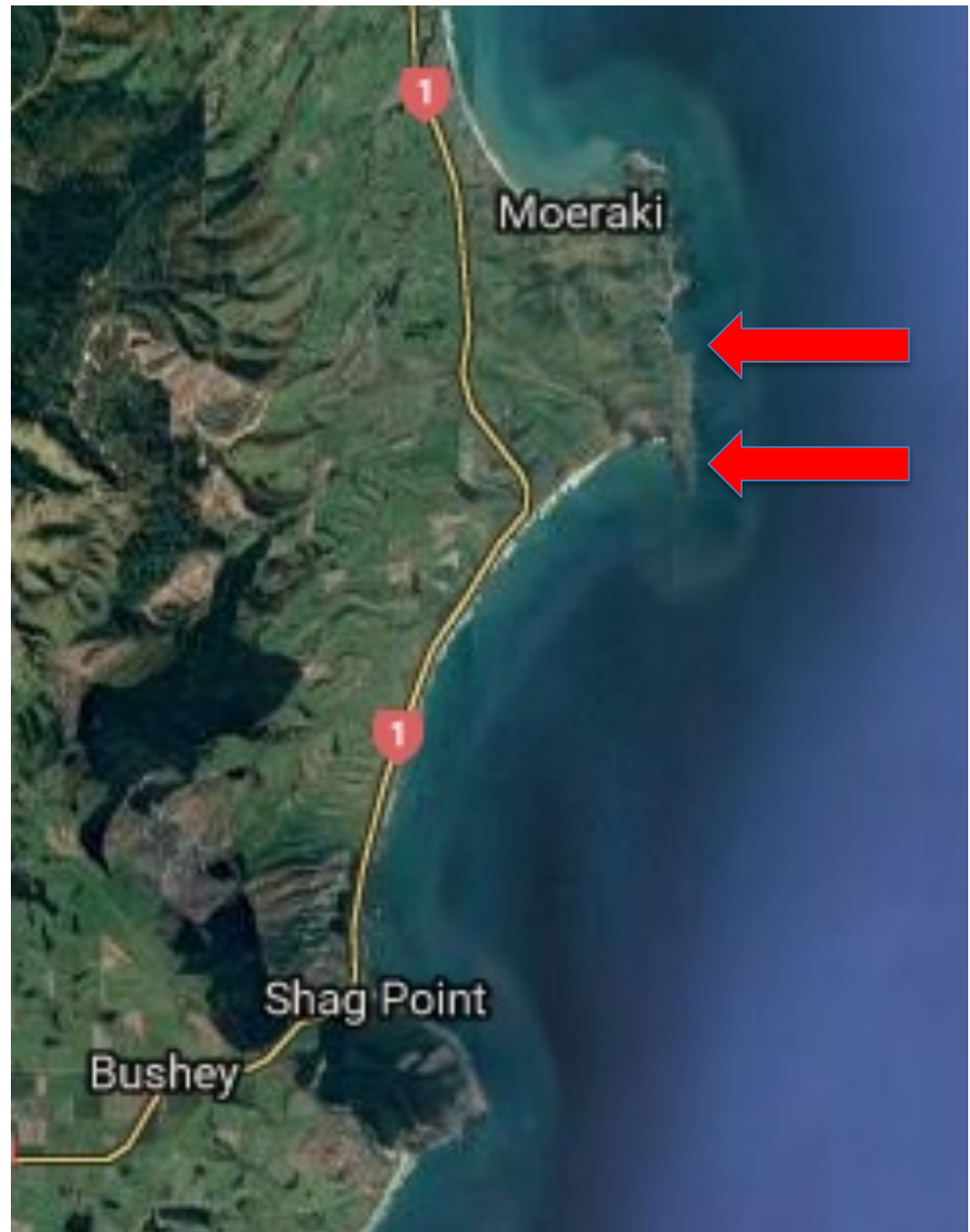
(known age only)



Predators

(trapped)

	Katiki Pt	Okahau Pt
Cats	12	2
Ferrets	16	17
Stoats	7	13
Rats	8	9
Possums	3	0



Jo Taurima

Mana Wild Game Solutions Ltd
(shooting)

Cats 11

Rats 1

Possums 1

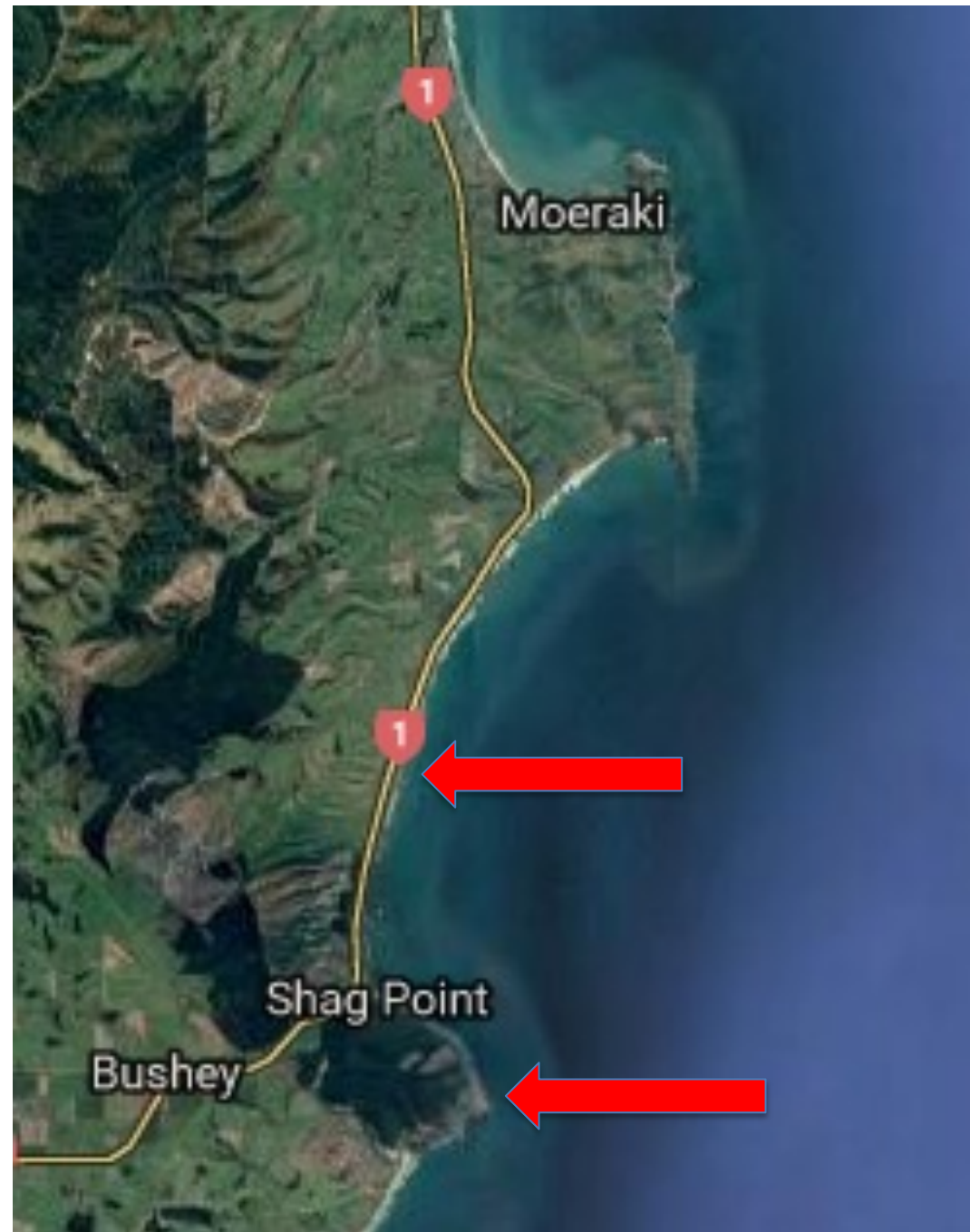
Rabbits 834



Predators

(trapped)

	Katiki Beach	Shag Pt	
Cats			
Ferrets	1	6	
Stoats	15	8	
Rats	15	8	
Possums	1		
Weasels		4	
Hedgehogs		4	



Predators

(trapped)

Waianakarua Bluffs

Hedgehogs 7

Rabbits 4



Tracking of single males

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



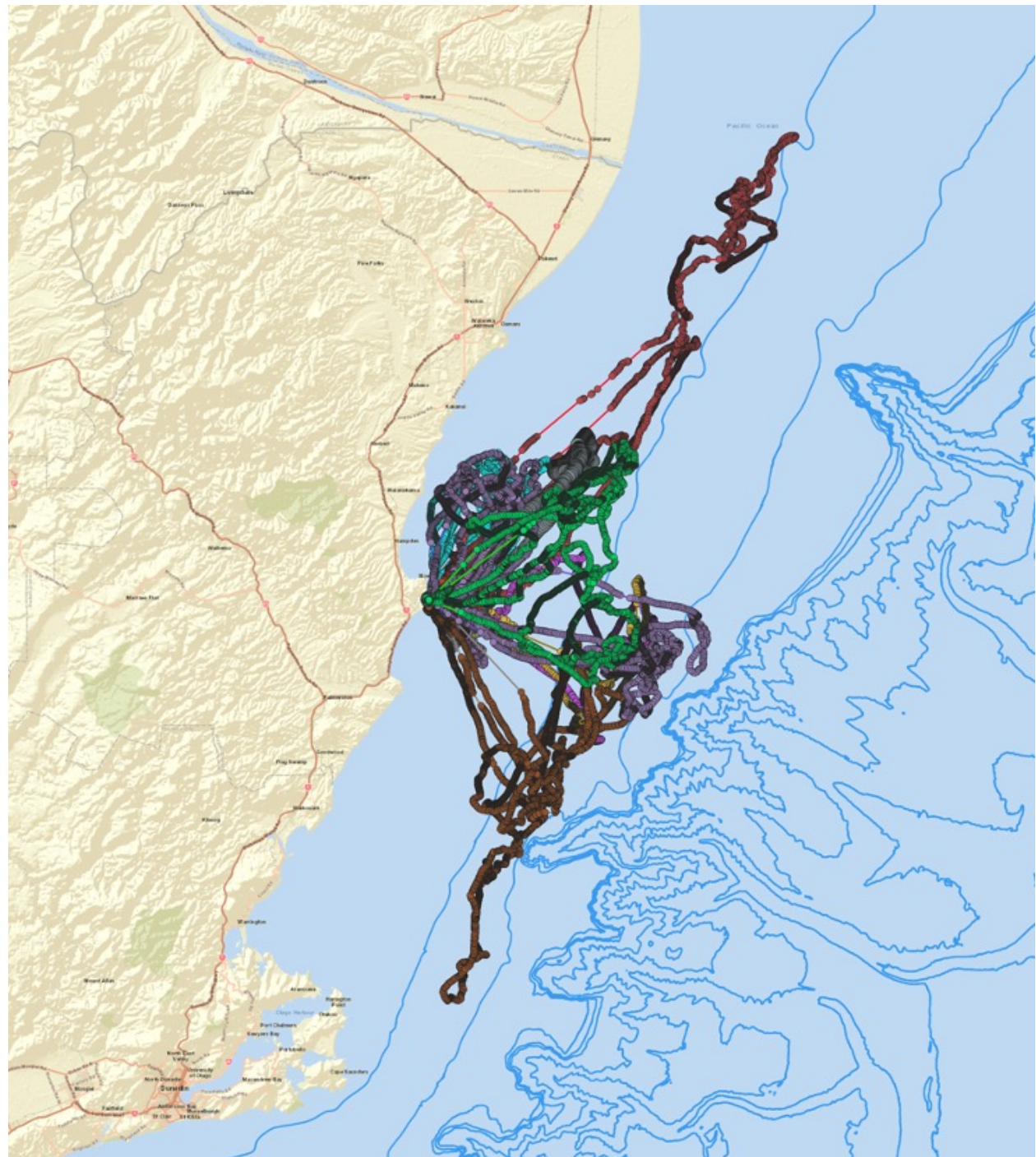
One bout of about 3 weeks in October/November



2019

2 sessions of about 3 weeks

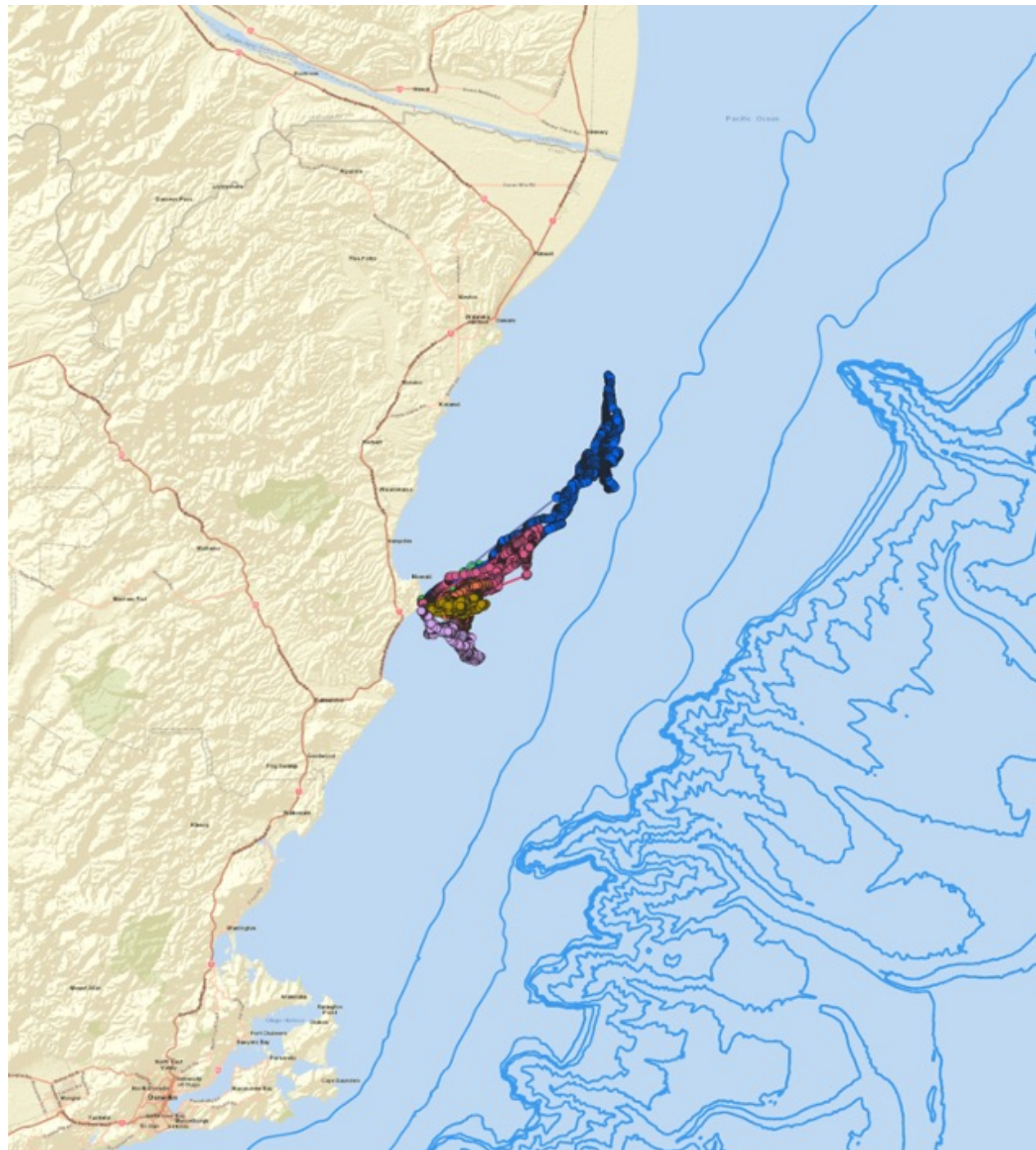
10 males



2020

1 session of about 3 weeks

6 males



To protect 22% of South Island
yellow-eyed penguin population

what is the cost?

\$ 56,815 spent

5659 hours volunteer work = 3 full time positions

15 volunteers; an average of 109 volunteer hours per week

Special thanks to



Unite
against
COVID-19

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



Any questions?