

# Campbell seabirds

Operation Endurance Nov 2019

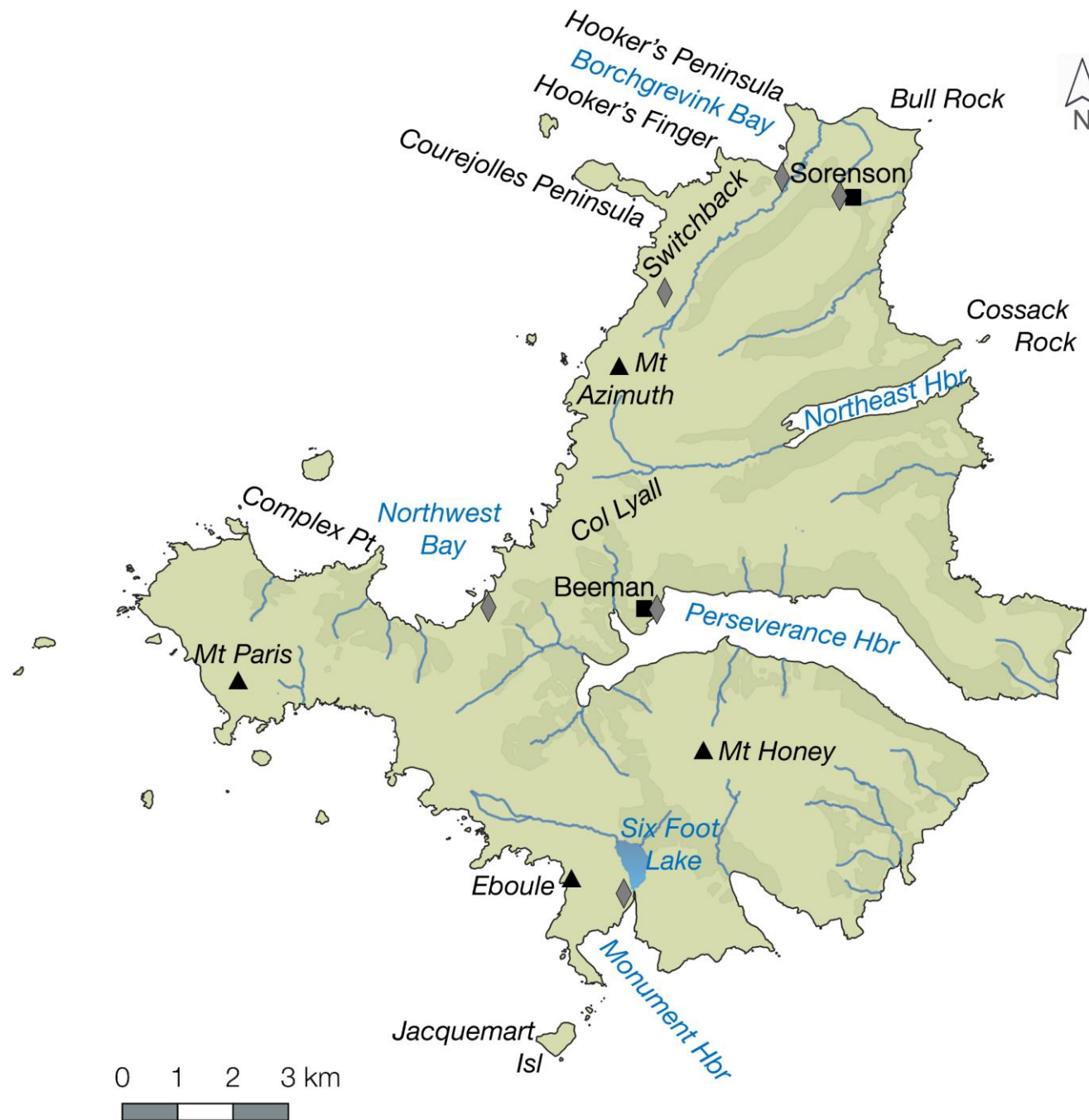
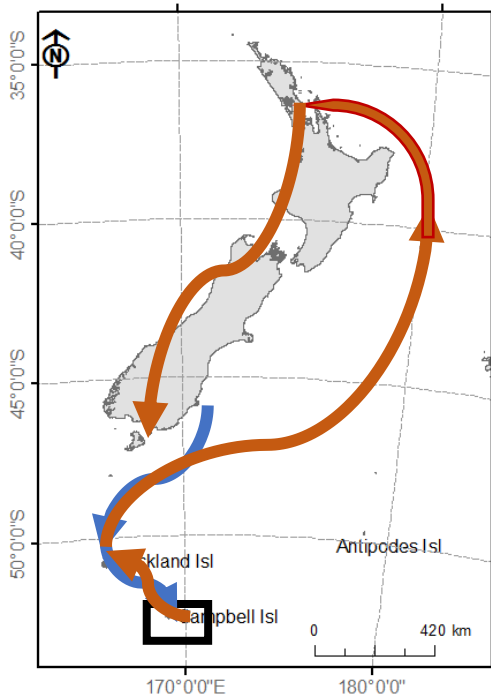


Kalinka Rexer-Huber  
Kevin Parker, Graham Parker



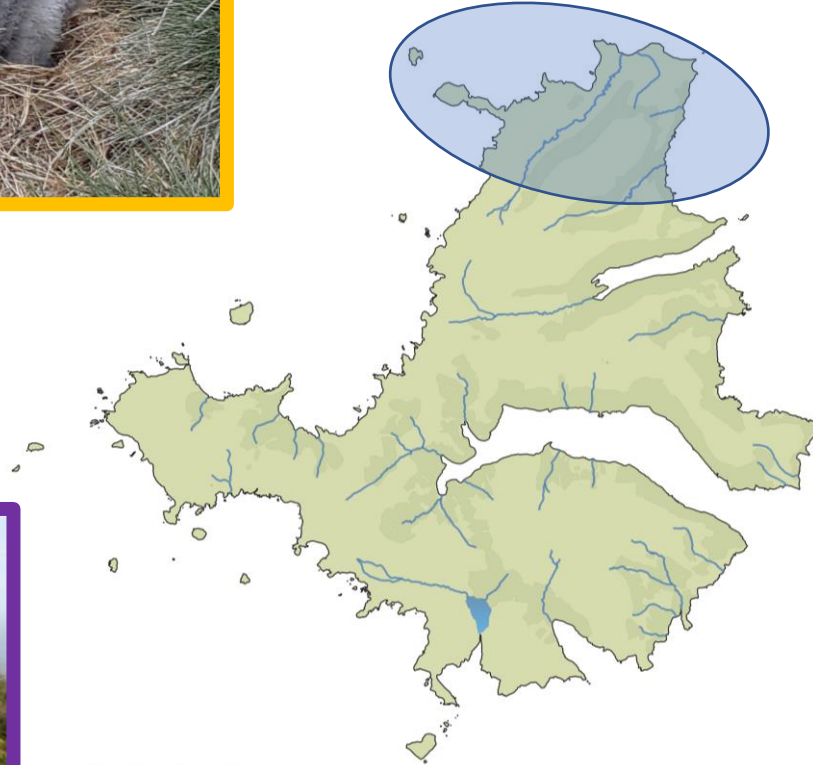
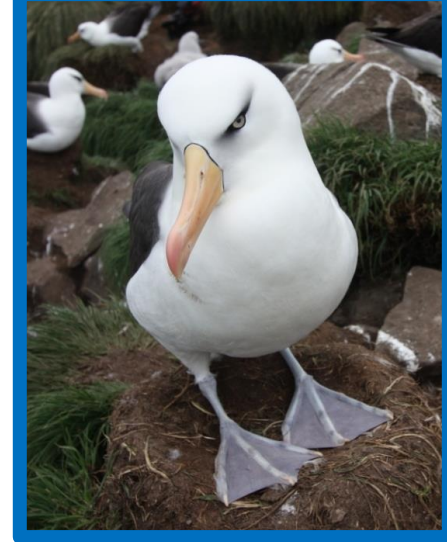
**PARKER CONSERVATION**

Project BCBC 2019-03  
June 2020





*Focal seabirds for survey and monitoring work*



0 1 2 3 km





# Operation Endurance



Still: Defence Public Affairs

15 Nov
16 Nov
17 Nov
18 Nov
19 Nov
20 Nov
21 Nov
22 Nov
23 Nov
24 Nov
25 Nov
26 Nov
27 Nov
28 Nov
29 Nov
30 Nov
1 Dec
2 Dec
3 Dec
4 Dec

*HMNZS Canterbury and Op Endurance timeline*

# Objectives

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Campbell and grey-headed albatross  
photo-points

Whole-island giant petrel counts

Southern royal trackers

Burrower distribution

Band resightings

15 Nov
16 Nov
17 Nov
18 Nov
19 Nov: To Sorenson
20 Nov: Bull Rock
21 Nov: Hooker's Finger, Penins.
22 Nov: Switchback Ridge
23 Nov: Courejolles
24 Nov: Six Ft Lake
25 Nov: Six Ft Lake
26 Nov: Complex Pt
27 Nov: Col Lyall
28 Nov
29 Nov
30 Nov
1 Dec
2 Dec
3 Dec
4 Dec

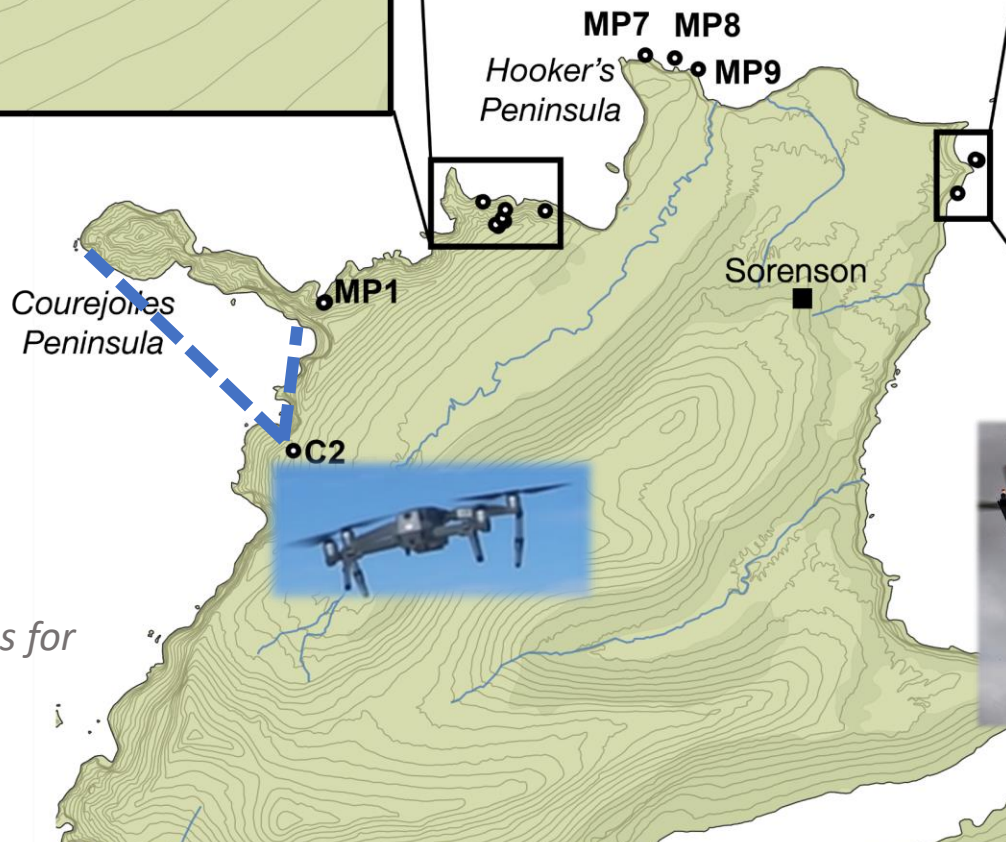
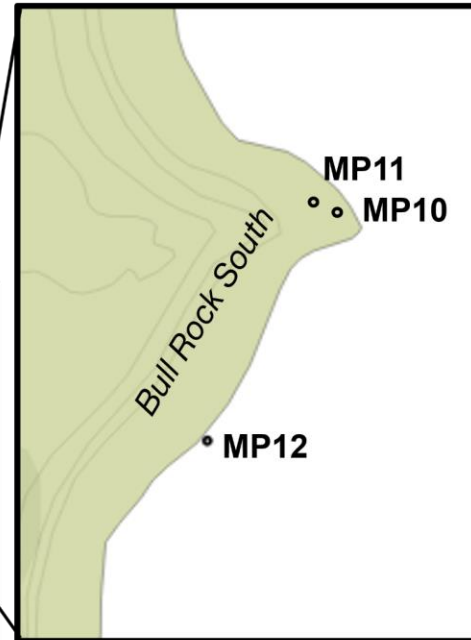
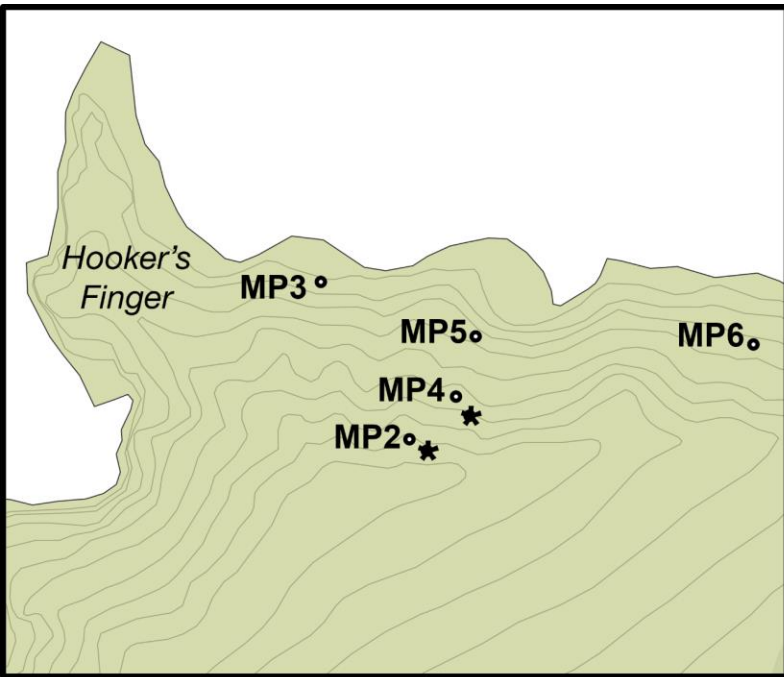


Photo-point locations for grey-headed and Campbell albatross monitoring



Photo: DPA



~480 high-quality  
photo-point images



130 photos from drone

120 photos from helis



# Ground-truthing

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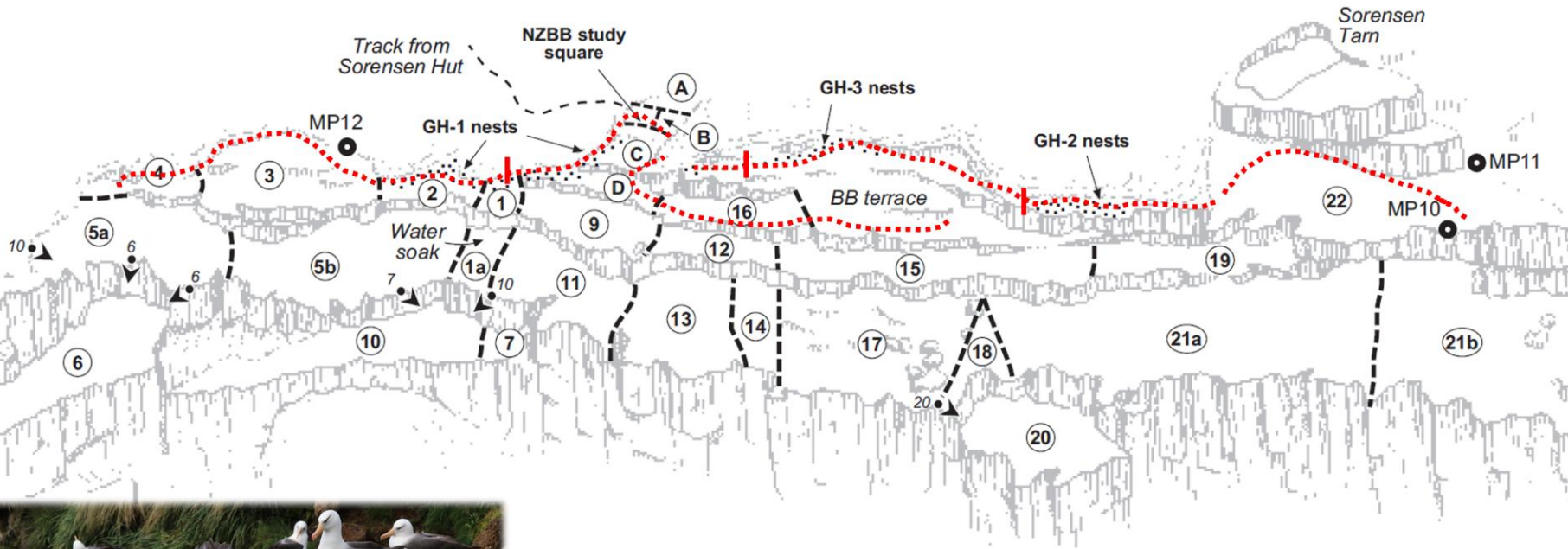
Photo: K Parker

*Breeding status nest checks*





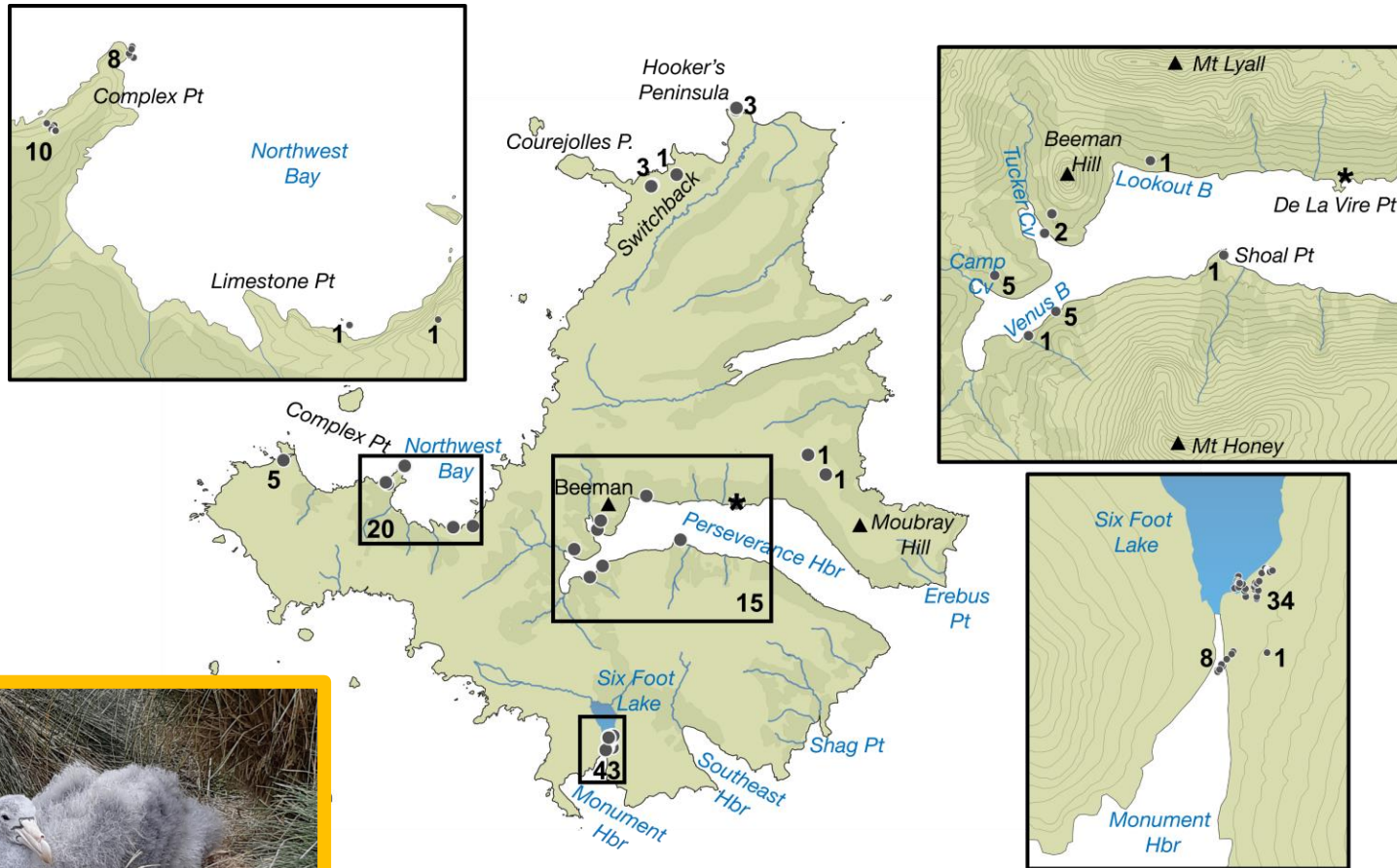
*Bull Rock South GHA and CBL albatross colonies, ground-truthing transects in red*



82% of birds apparently incubating actually have an egg

62% of all birds in colony are breeding

# Northern giant petrels



92 active giant petrel nests found



Corrected for failures:

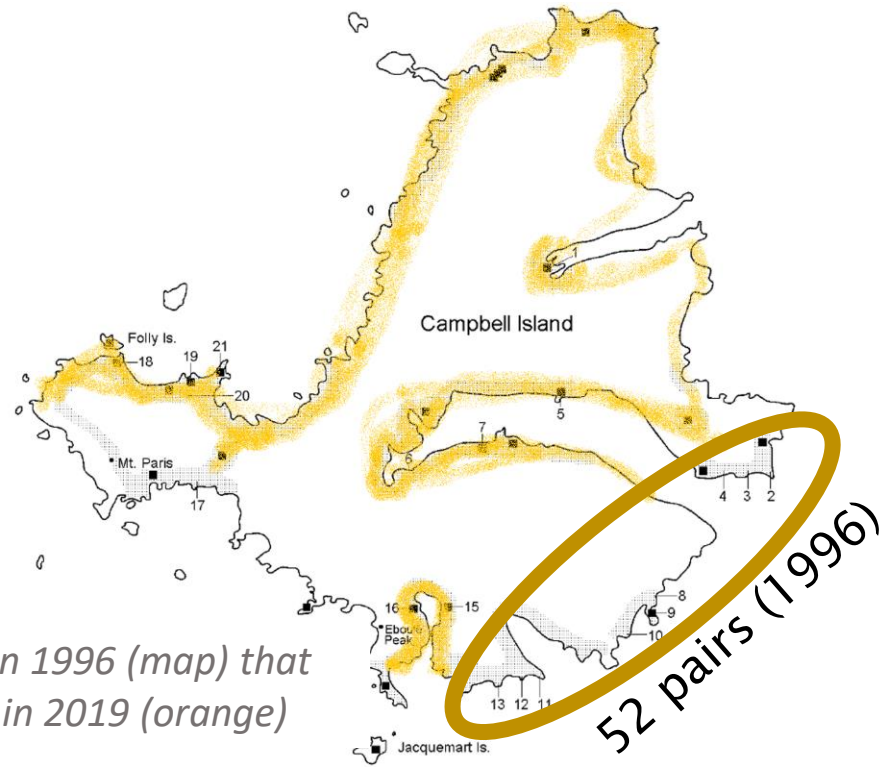
150 (134–173) breeding pairs

Coverage of 1996

Just areas visited both years:

182 pairs 1996

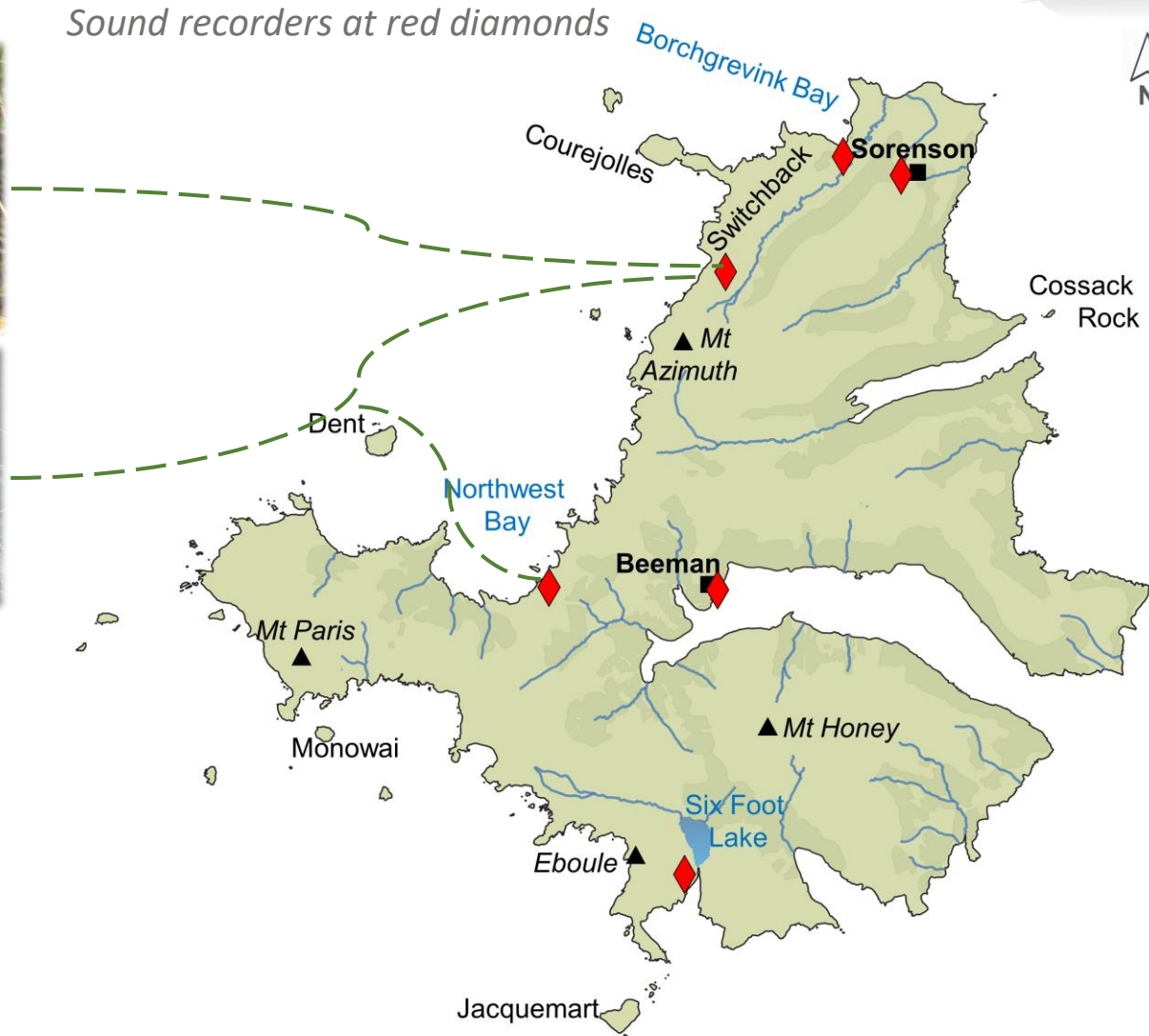
150 pairs 2019



# Petrel distribution



Sound recorders at red diamonds



# Southern royals

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Photo: K Parker

3 GLS  
518–868 d tracking data

*Southern royals in the Col-Lyall area*

# Summary

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Data for molly monitoring acquired

- positive drone trials

Giant petrel numbers similar

- but trend?

Burrowing petrels more widespread

- recovery?

SRA colonies seemed empty

# Acknowledgements

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## Logistical support

HMNZS Canterbury, army and airforce

DOC Marine Species and Threats funding

Graeme Taylor, Sharon Trainor pre-dept support

Op Endurance coordinating team Kirsten Rodgers, Pete McClelland,  
Jo Hiscock

## Gear and data

Sound recorders DOC SOIK Te Anau

OE field teams for keeping eyes open for us

DPIPWE Macquarie giant petrel data

