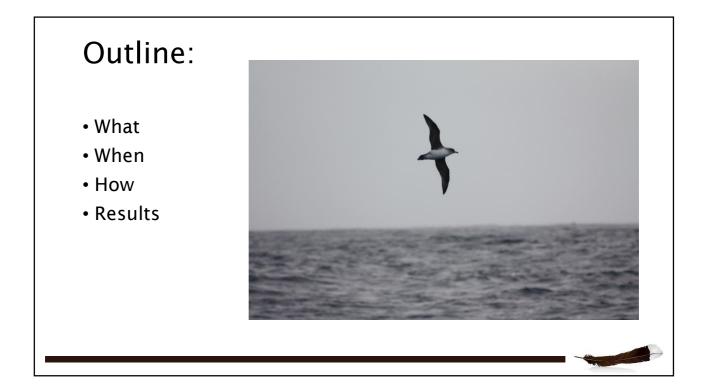
Grey petrels Procellaria cinerea Campbell Island, NZ



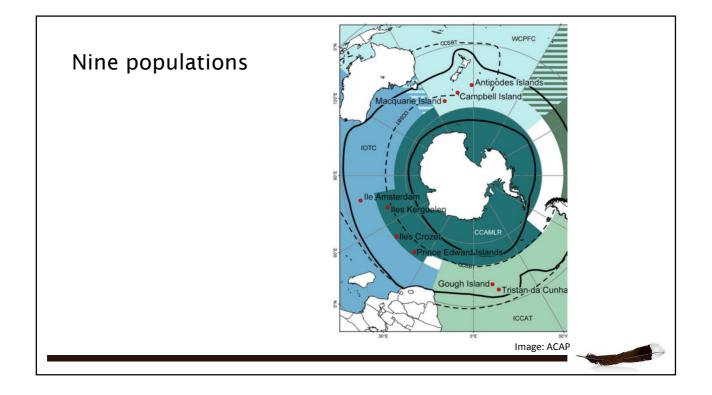
Graham C. Parker ¹, Kalinka Rexer-Huber ^{1, 3}, David Thompson ² ¹ Parker Conservation, ² NIWA, ³ University of Otago

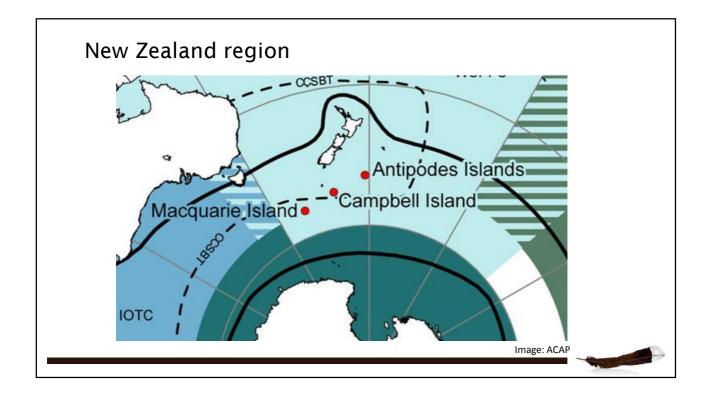


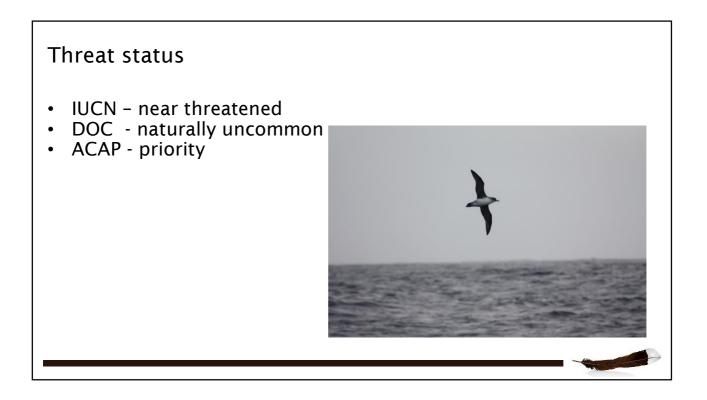
Grey petrels

- Procellaria
- Large
- Circumpolar



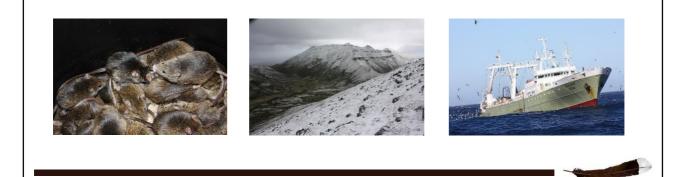


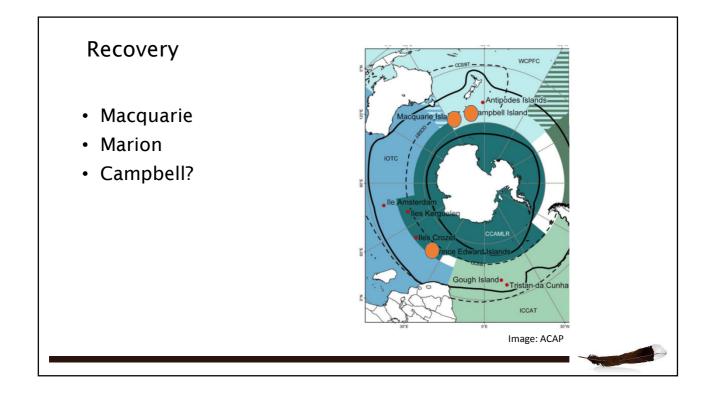




Threats

- Introduced mammals
- Winter
- Incidental fisheries mortality

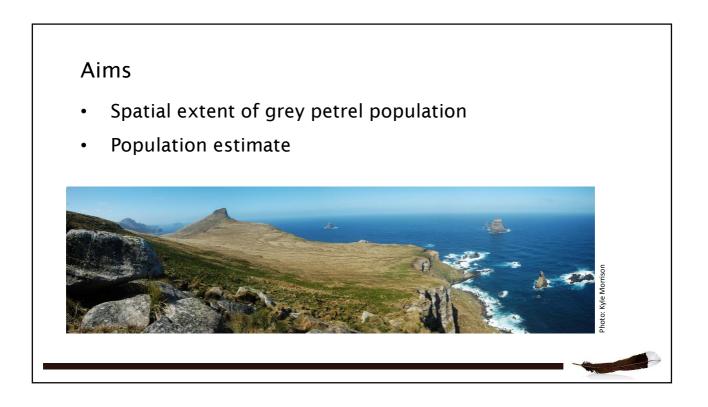




Campbell Island

- Rats
- Historical grey petrel records
- Rat eradication 2001









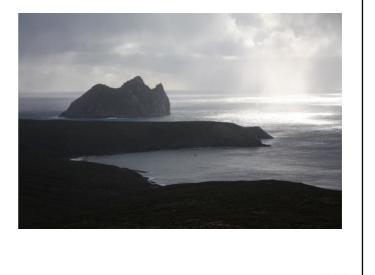
Survey design

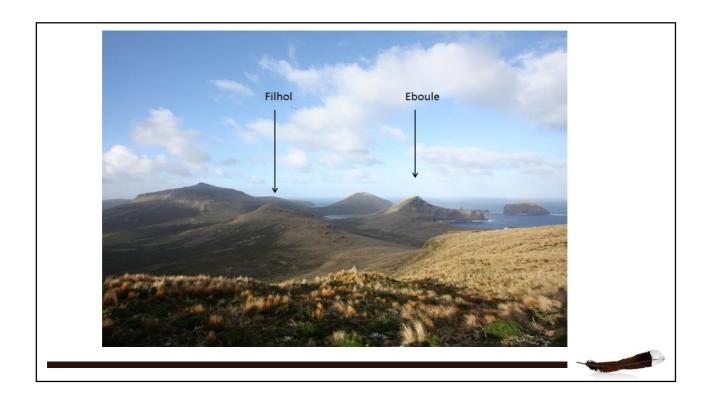
- Survey transects
- Randomised transects
- Strip searches
- Circular plots

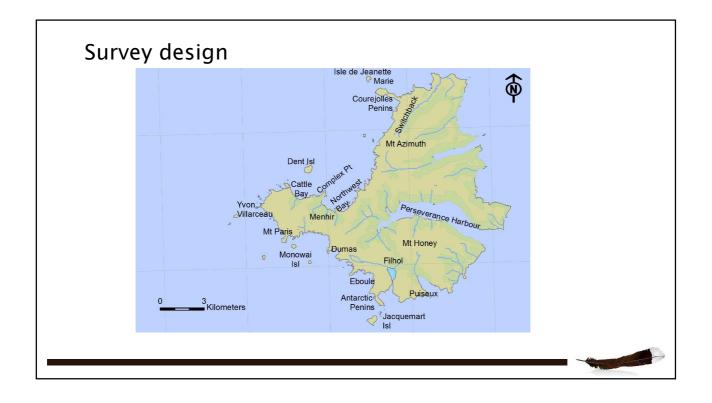


Survey design

- Historical information
- Habitat type
- 'Spill-over' areas







Survey design

- How many burrows?
- Burrow occupancy
- Habitat characteristics

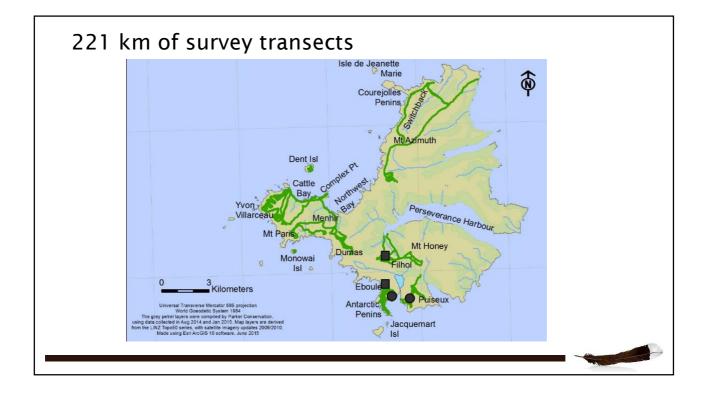


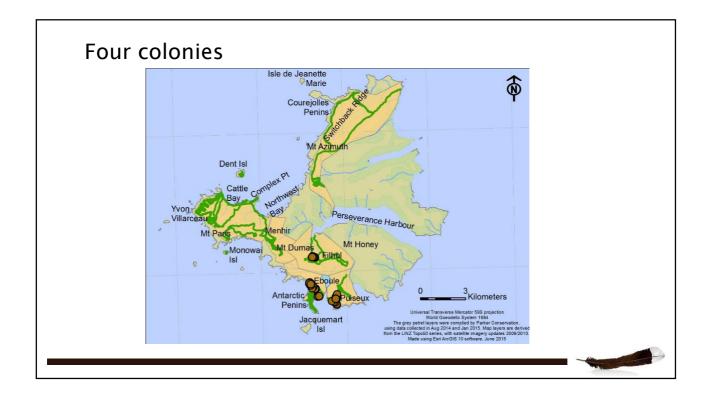
Survey design

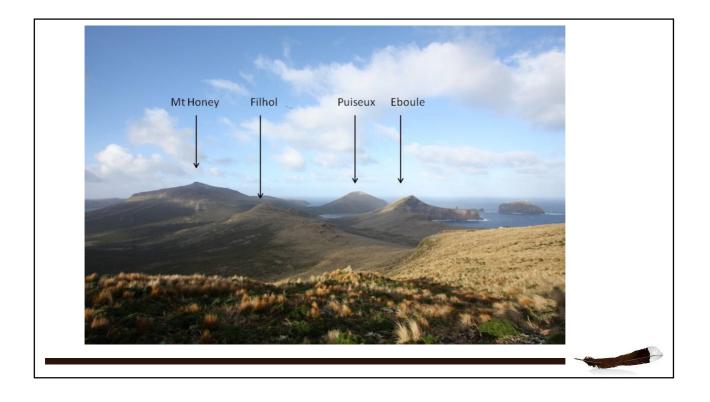
- Boat surveys
- Birds in flight

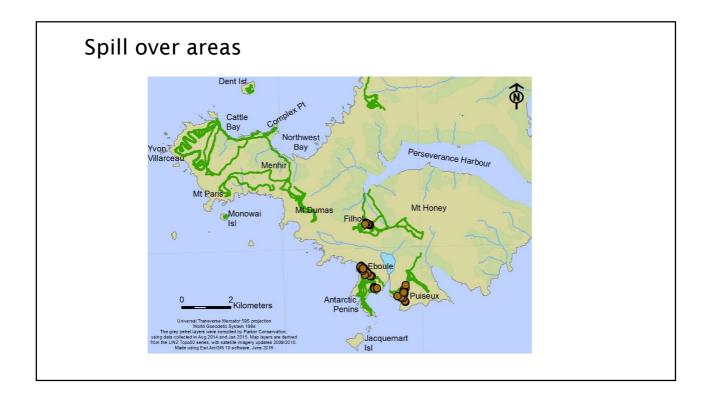


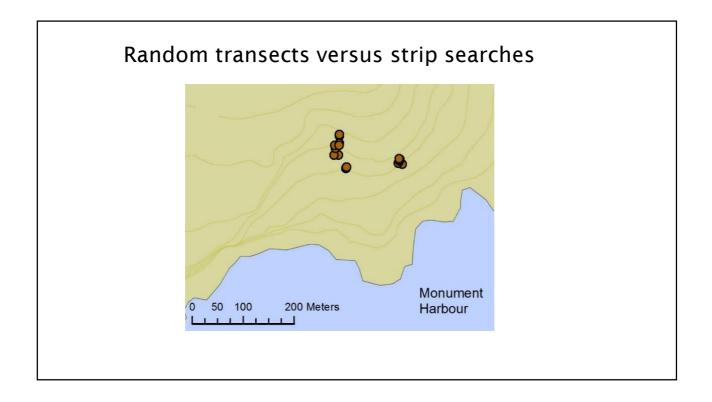
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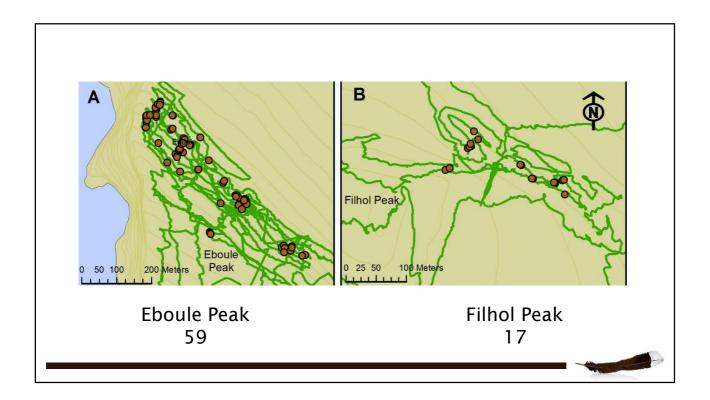


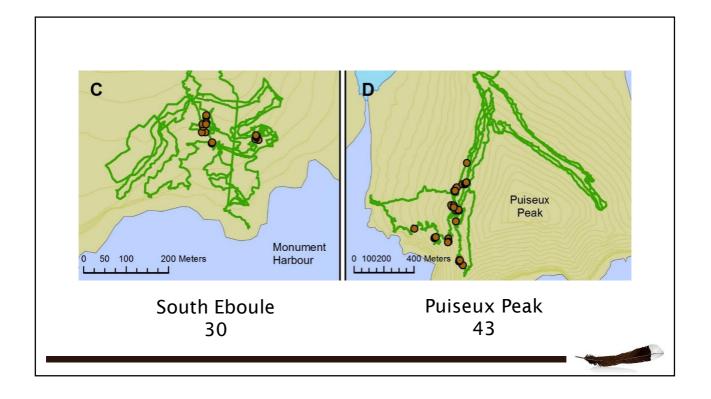


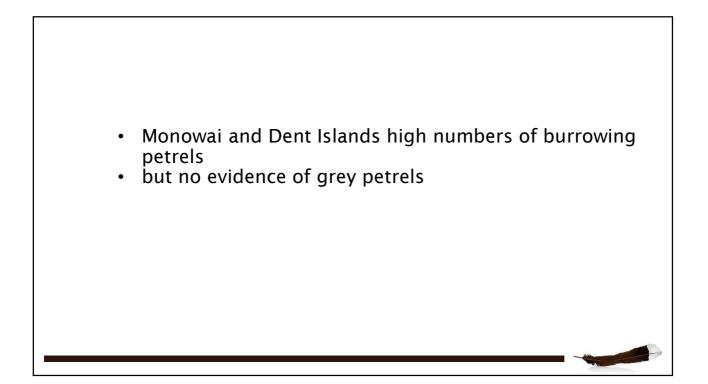


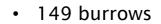












- 1300 m validation transects
- 4 burrows missed (3% pooled)
- Corrected total: 153 burrows



