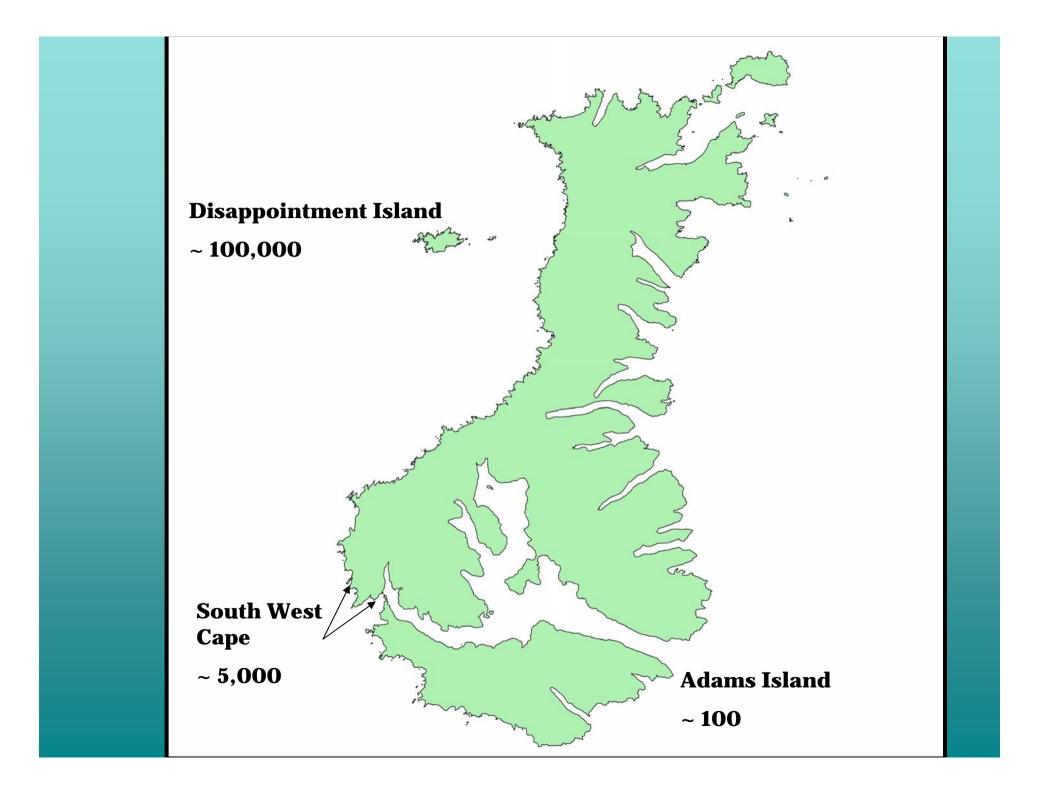
A population and distributional study of white-capped albatross (Auckland Islands)

Contract POP2005/02

David Thompson, Leigh Torres & Paul Sagar









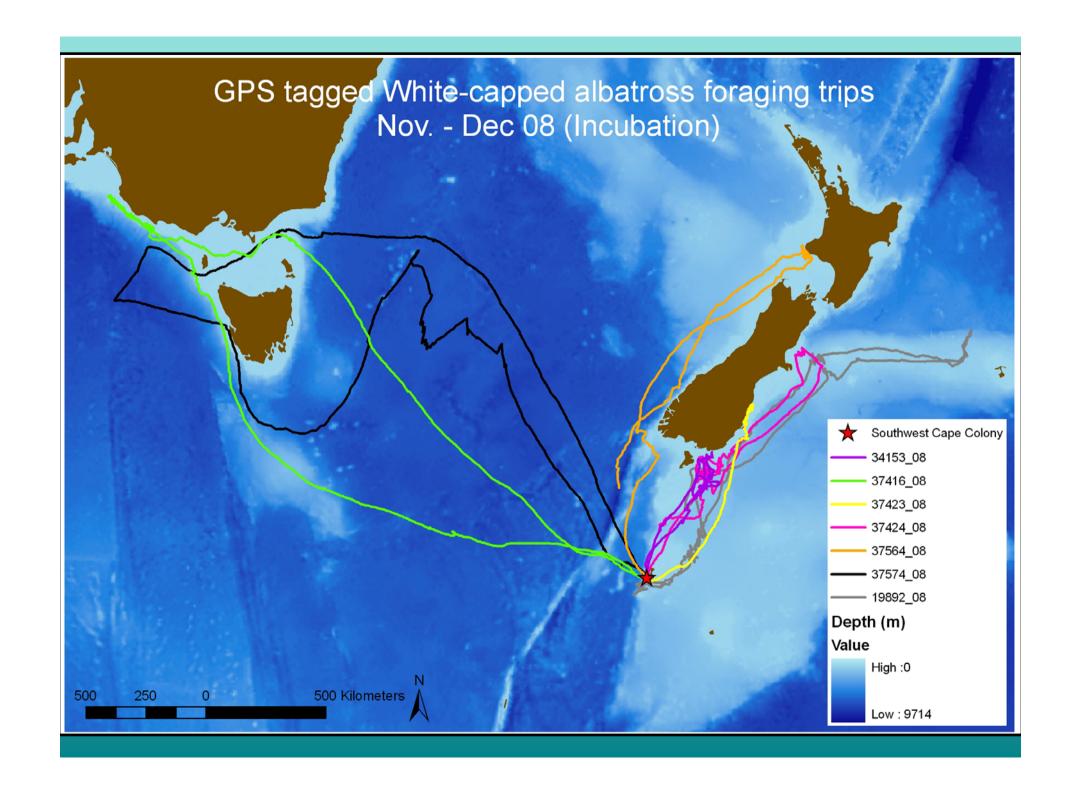
2008/09 breeding season...

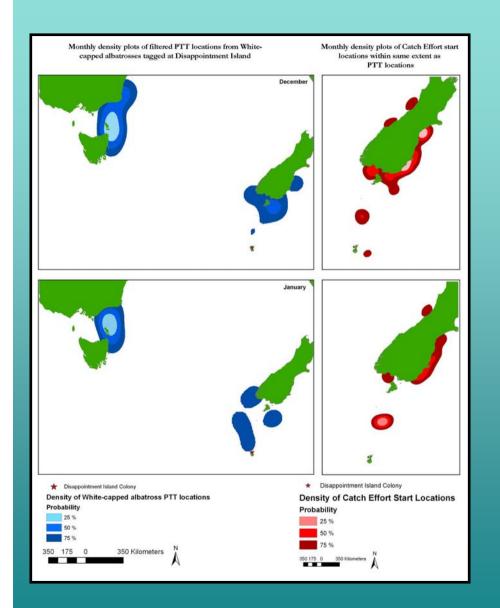
- Fieldwork during incubation (Nov-Dec), plus short visit during chick-guard (Feb)
- Banding and re-sighting adults
 - -120 breeding adults, 55 pairs
- Breeding frequency, nest occupancy
- GPS tracking at South West Cape
- PTT tracking at Disappointment Isl.
- Retrieval of geolocation tags

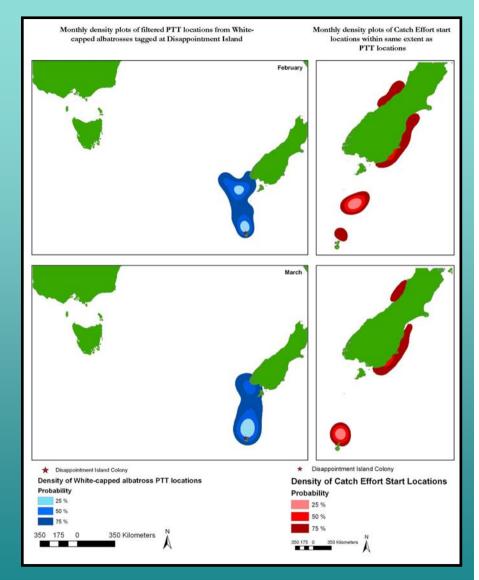
Tracking...

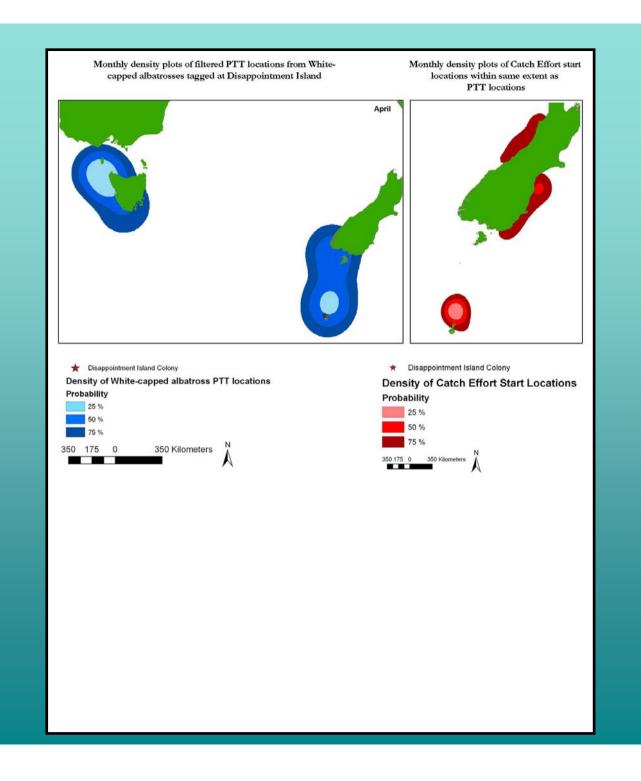
- GPS data acquired to augment 07/08 data
- 15 PTTs deployed at Disappointment Isl.
- 10 geolocation tags retrieved 23 data sets







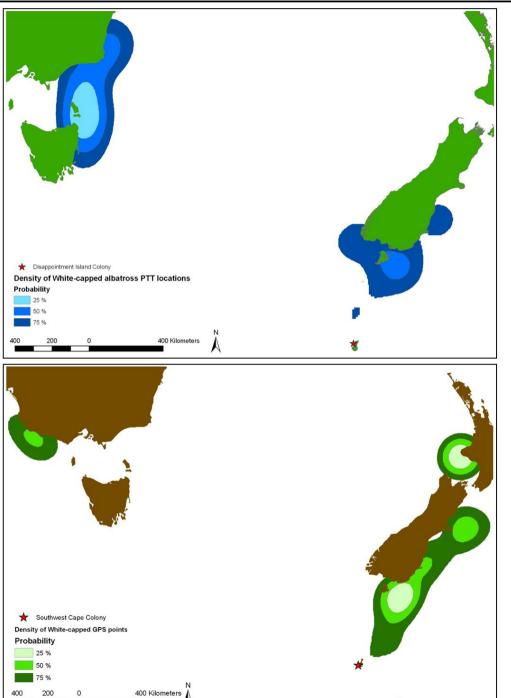


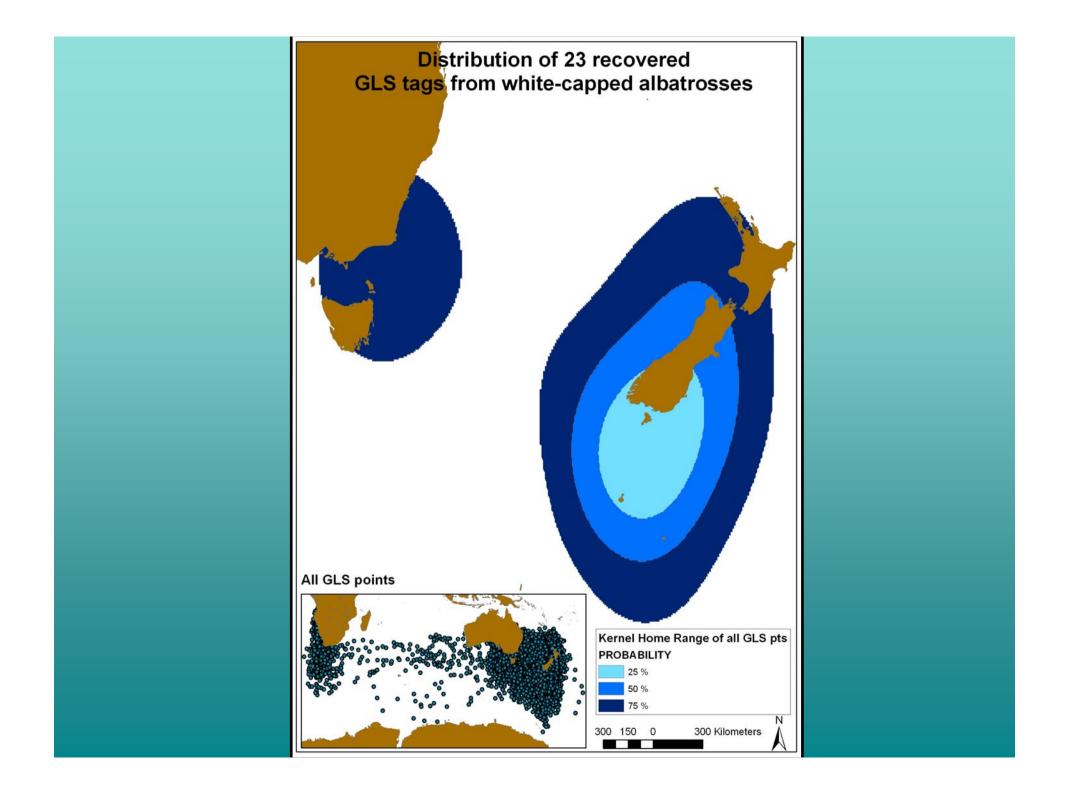


Comparison of density plots during December 2008:

White-capped PTT locations
White-capped GPS locations
NZ Fisheries Catch-Effort start locations







Summary of geolocation data...

- To date 3 of 23 (13%) birds migrate to South Africa (~ 10-20%)
- Migration destinations appear consistent
- Most within Australasia → NZ's EEZ
- NW Tasmania
- Implications for fishing mortality estimates

Preliminary nesting observations...

- In 08/09 ~ 38% nests unused
- Pop. estimates for 06/07, 07/08 & 08/09
 - Disappointment: ~ 111k, 86k & 92k
 - SW Cape: ~ 6.5k, 4.8k & 5.3k
- Only \sim 37% successful birds in 06/07 attempted to breed in 07/08, 52% for 07/08 and 08/09

Conclusions...



- Data point towards white-capped albatross being predominantly a biennial breeder
- Adult white-capped albatross dispersive
 - Visit Tasmania except during guard stage
 - Small proportion migrate to South Africa