

New Zealand sea lion research 2011/2012 Dr. B L Chilvers



NZ sea lion research objectives

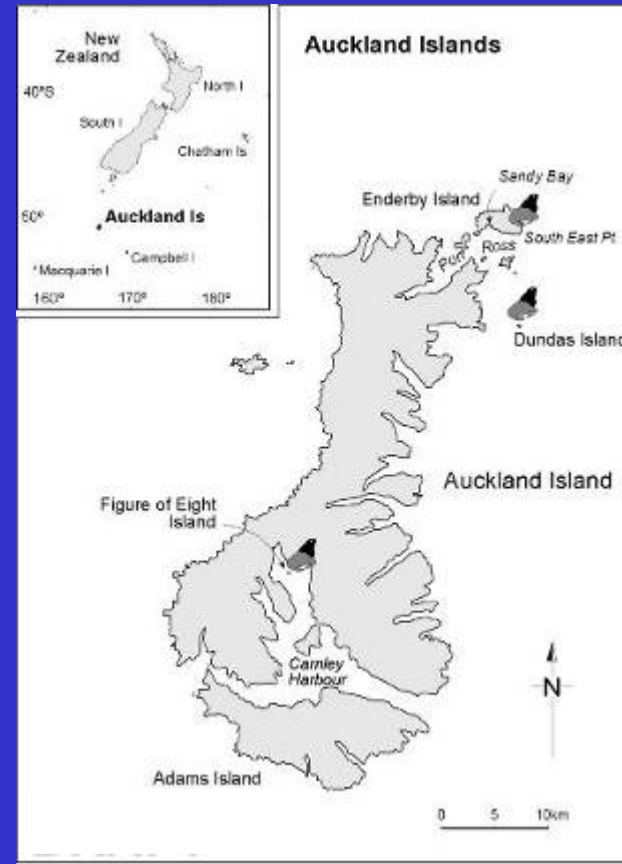
Auckland Islands

- Measure Auckland Islands pup production
- Tag pups produced during 2011/12
- Data to estimate survival and reproduction of previously marked NZ sea lions
- Make available NZ sea lion field data



Pup production - methods and date of estimate

- Sandy Bay (Enderby Island) - Mark/Recapture estimate (16/1/12)
- Dundas Island - Mark/Recapture estimate (21/1/12)
- S.E. Point (Enderby Island) - Direct counts
- Figure of 8 Island - Single direct count - (9/1/12)



Marking & resighting



- 790 pups were double tagged for population studies. All Enderby Is pups (360) were also PIT tagged.
- Enderby, Dundas, Fig. of 8, Adams, Main Auckland Island, Ross and Carnley Harbours searched or reports obtained.
- Over 6914 resights made on 1074 animals (including 252 identified from a PIT) collected from Enderby Island.
- Field data available for inclusion in database and for analysis

Pup production 2011/12 - Results

Sandy Bay = 361

343+/- 9 live pups

18 dead pups

Dundas = 1248

1189 +/- 13 live pups

59 dead pups

South East Point = 1

1 dead pup

Figure of 8 = 74

72 live pups

2 dead pups



AUCKLAND ISLANDS PUP PRODUCTION 1997-2012

