

Signals from Seabirds

Matt Rayner and Chris Gaskin

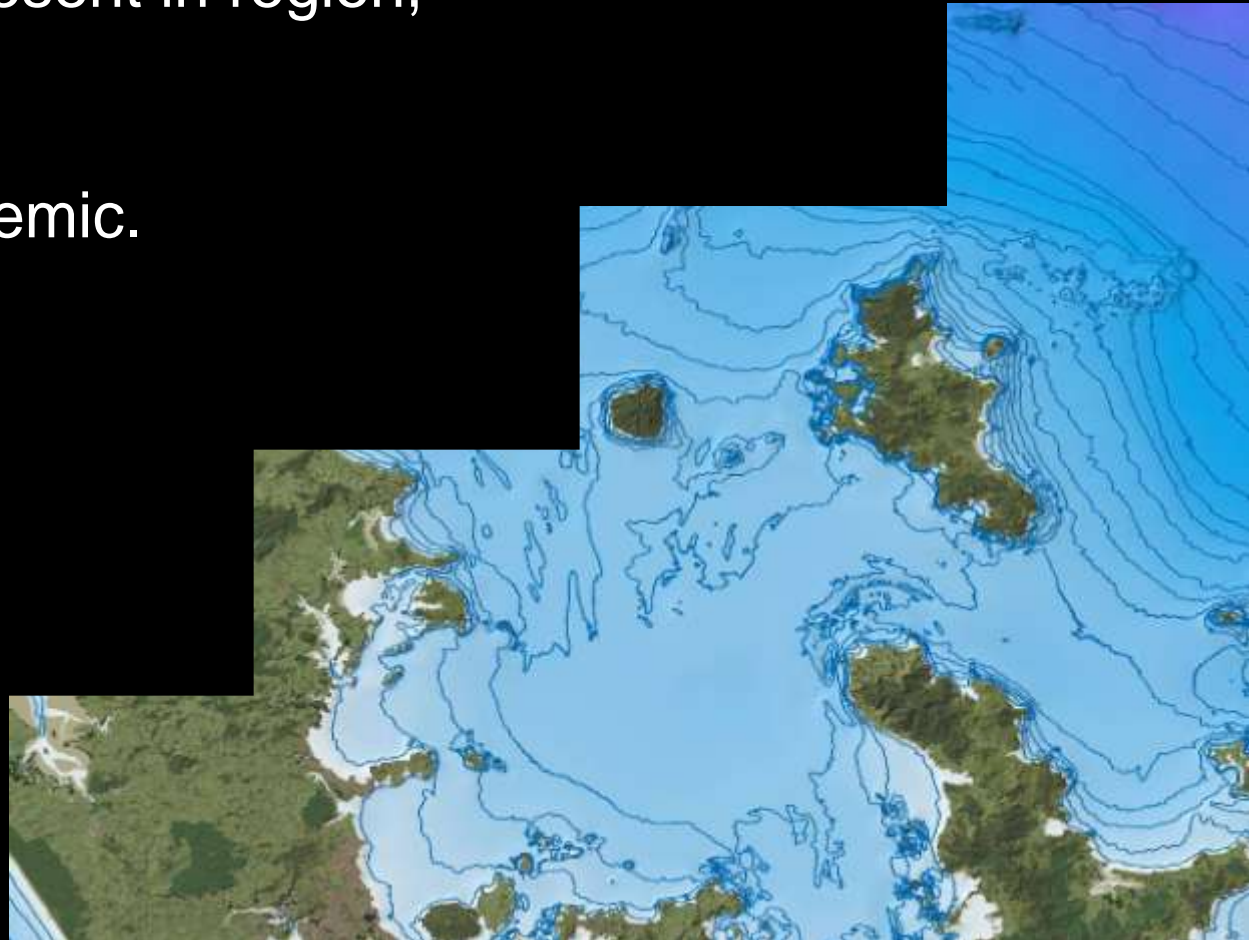


A seabird biodiversity “Hotspot”:

80 species present in region,

25 breed,

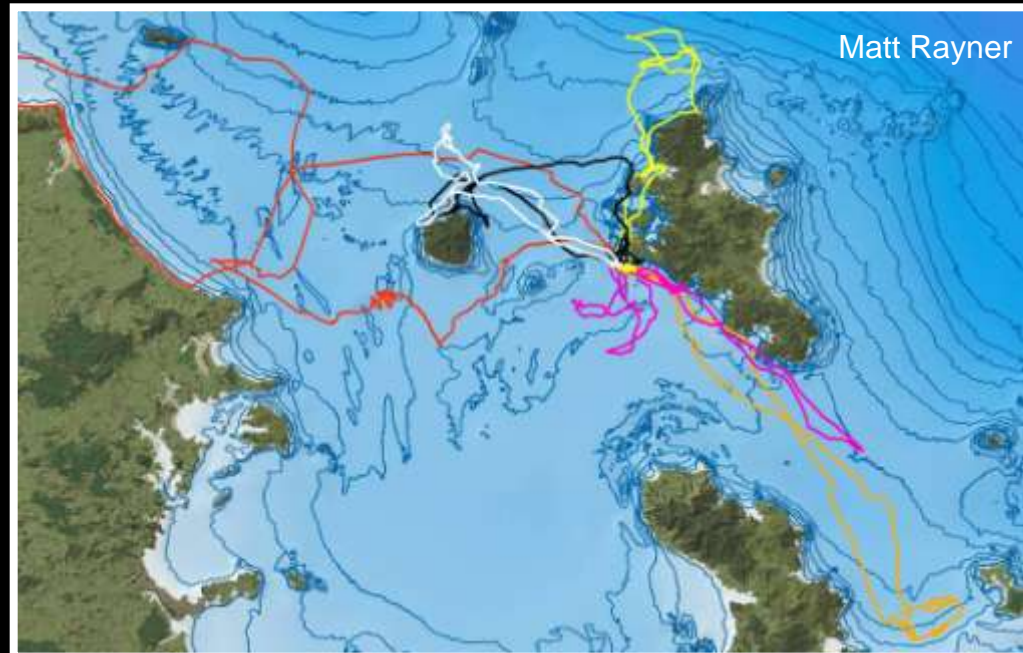
56% (14) endemic.



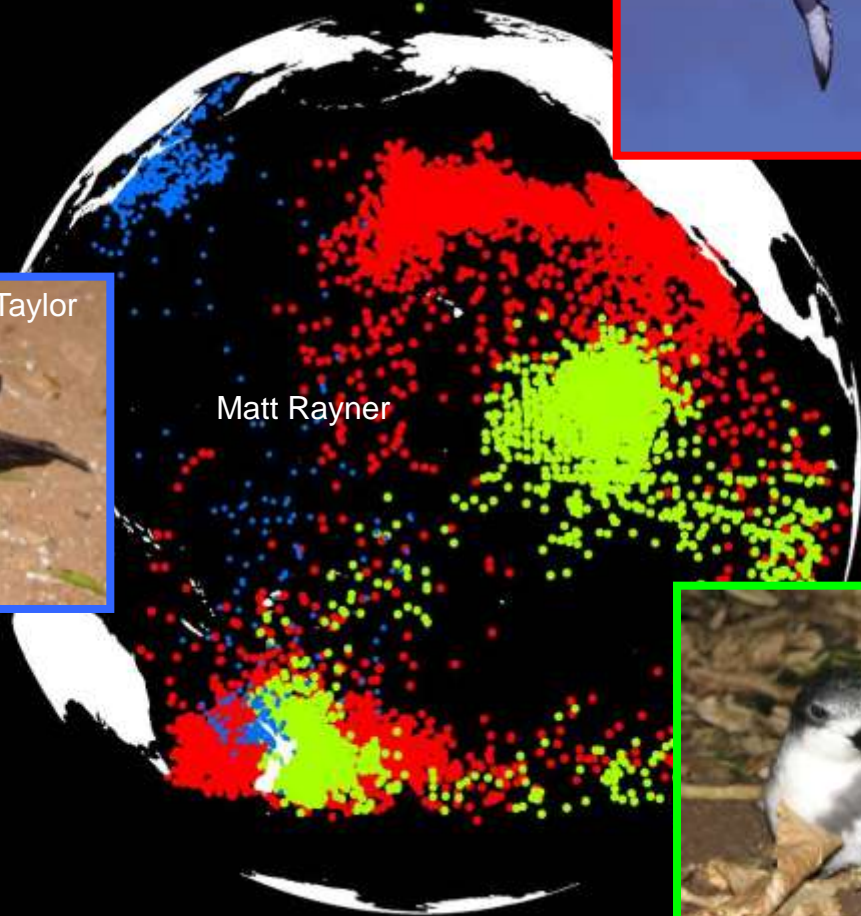
Ecosystem engineers

Concentrate marine nutrients,

Modify and Enhance ecosystems.



International species, international obligations

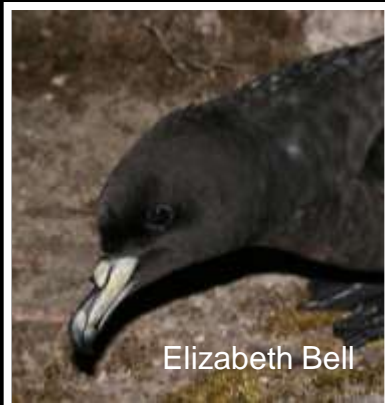


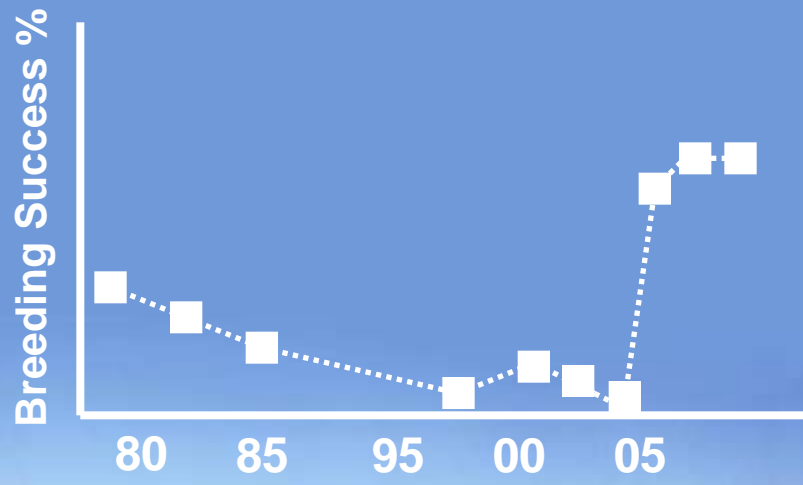
Success

Detailed studies of few species,

Good understanding of ecosystem effects,

Pest eradications and disturbance
reduction.





Matt Rayner



Knowledge gaps

Outdated studies,

Lack of species and site-specific information.



1) Management capacity

E.g. Mokohinau Islands



Priority concerns

Fisheries impact gulf seabirds

Black petrel bycatch x10 what
population can sustain

Oct 08 to Oct 10

Flesh-footed shearwater 26 (43)

Black petrel 21 (37)

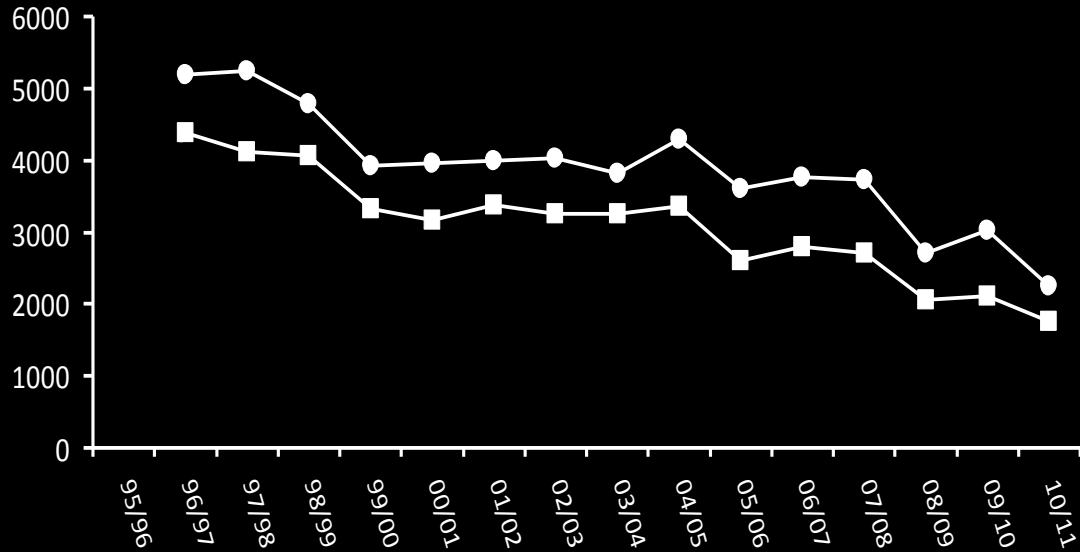
Observer coverage **5%**



Priority concerns

Black petrel - IUCN vulnerable

Long-term study suggests decline



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Biz Bell

Steffi Ismar

Graeme Taylor

Todd Landers

Todd Dennis

Peter Harrison

Dave Boyle

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