

Gibson's wandering albatross 2024

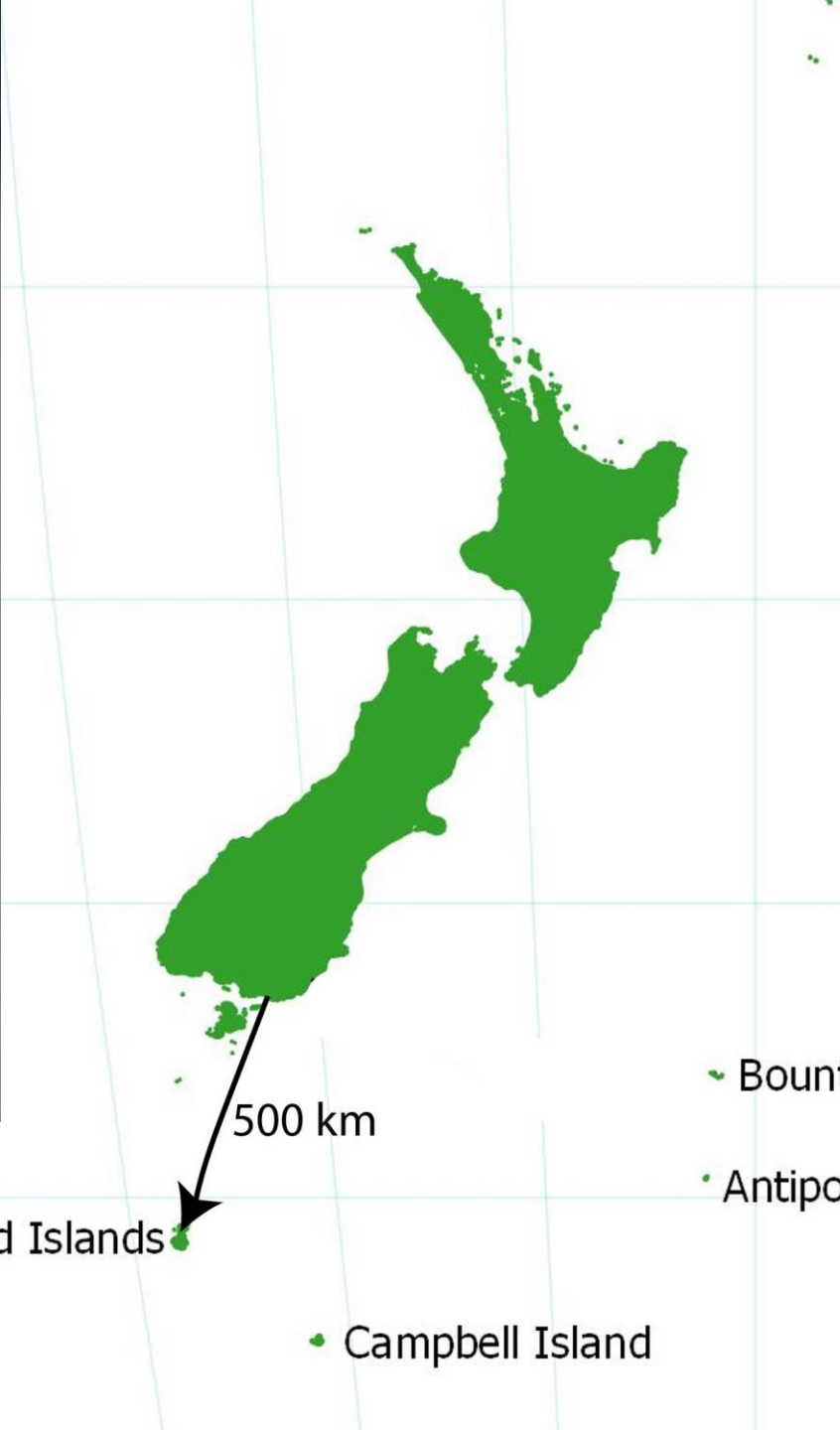
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Kalinka Rexer-Huber, Joris Tinnemans, Jenny Long, Rachel Sagar, Jake Osborne, Graham Parker

Demography, at sea distribution, whole island census

August 2024

DOC CSP POP 2022-08 Auckland Id seabird research



Auckland Islands

500 km

Campbell Island

Bounty Islands

Antipodes Island











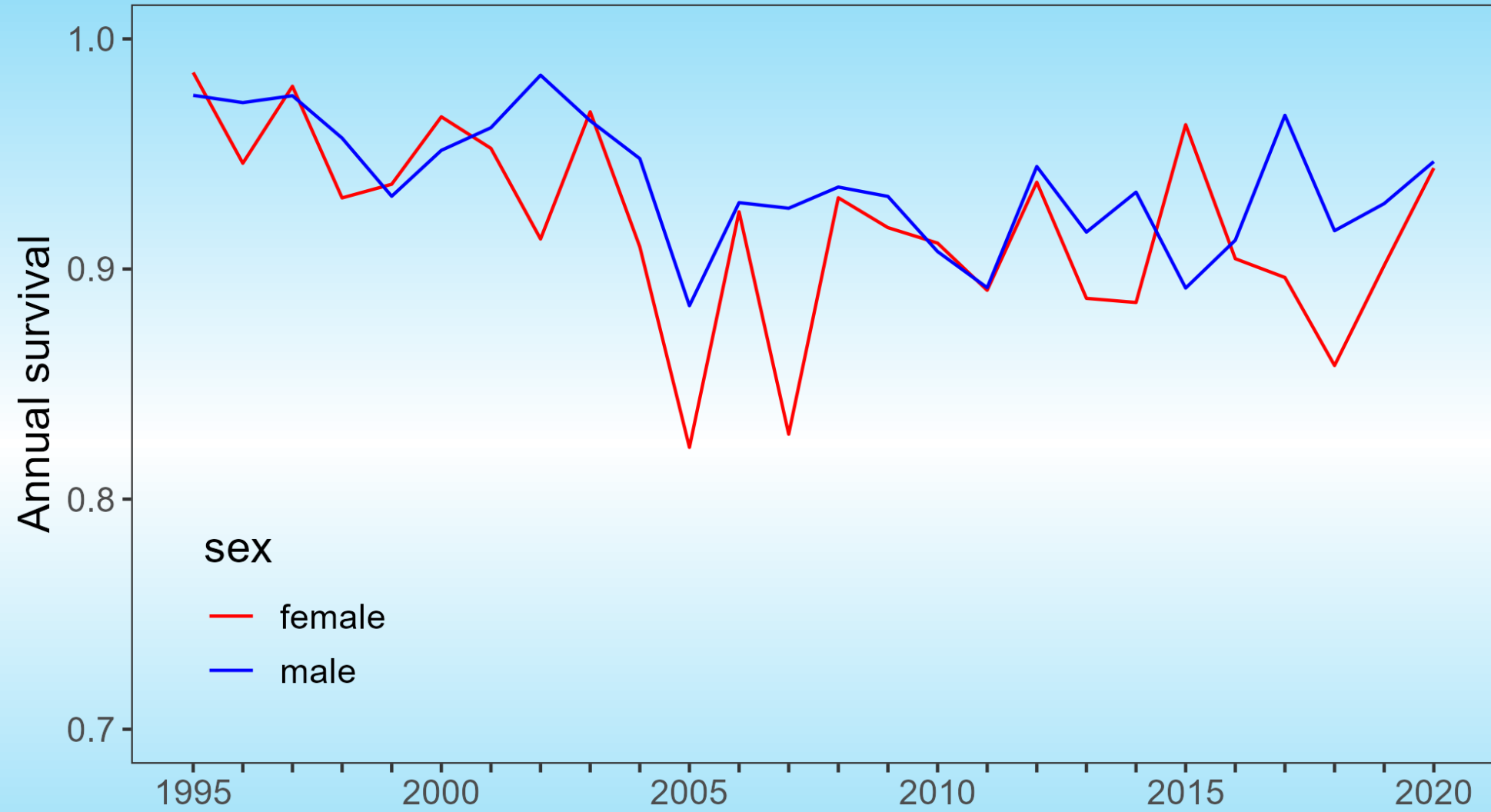


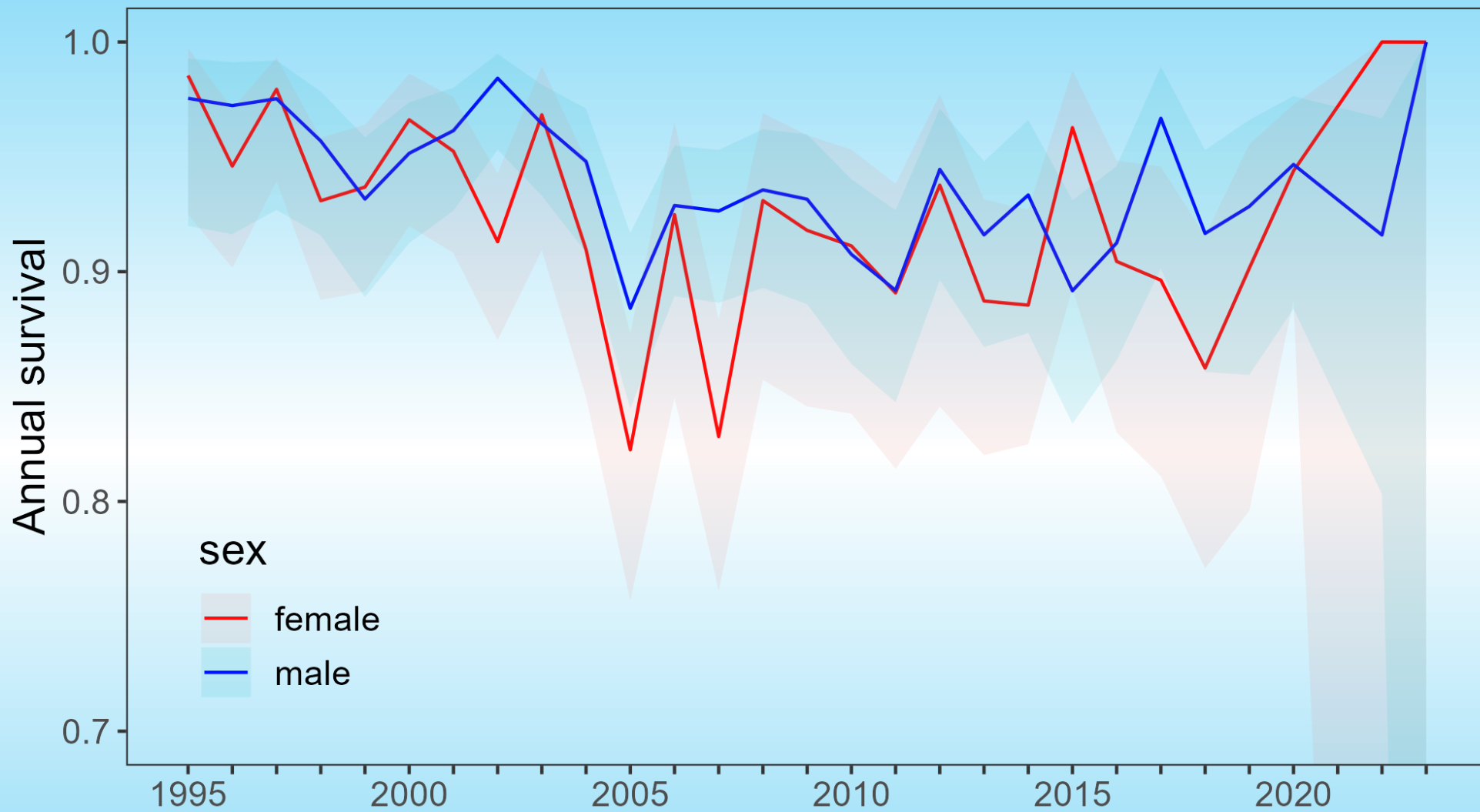


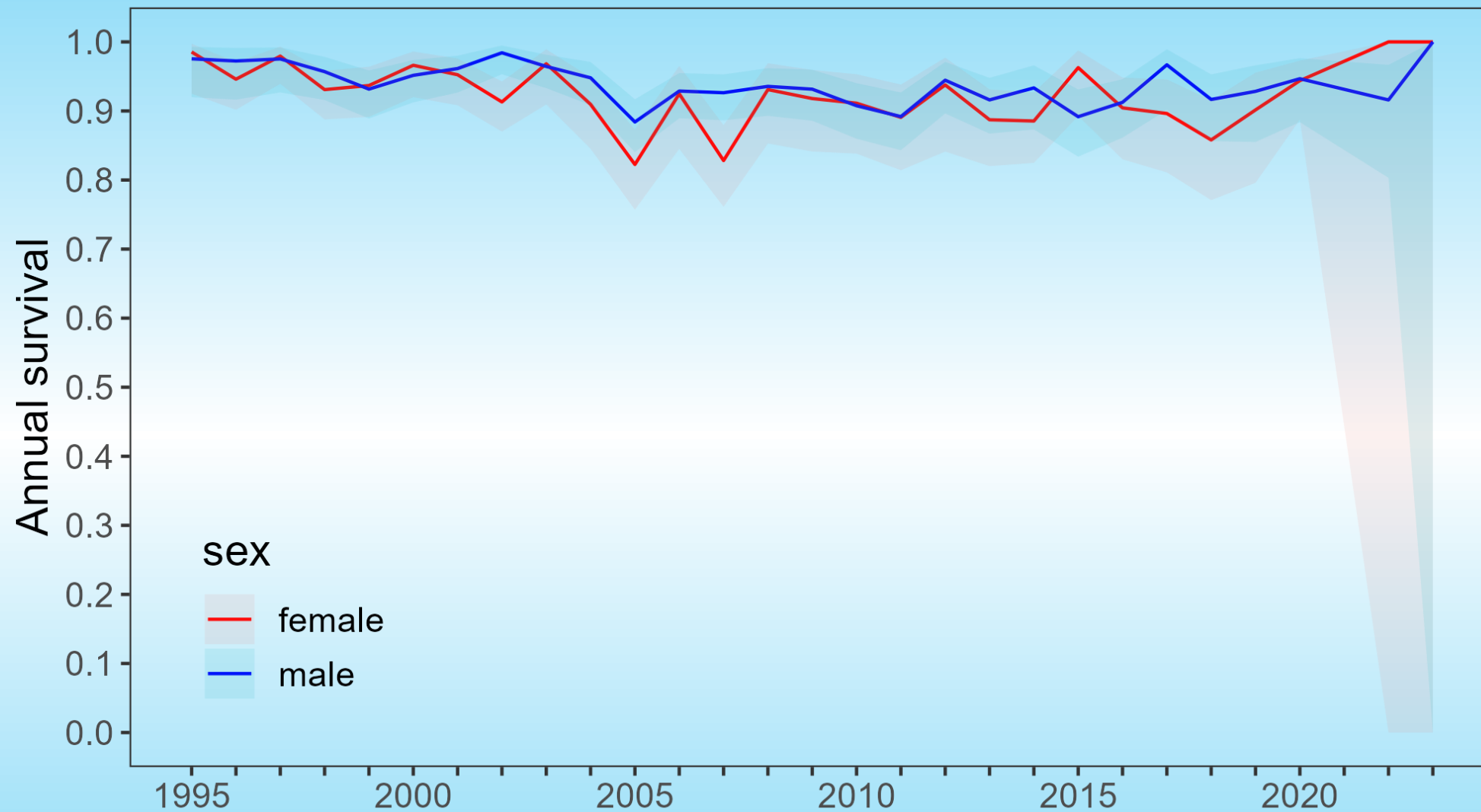


- Demography – data from the study area
- Counts of representative portions of the island
- Tracking
- Whole island census using drones

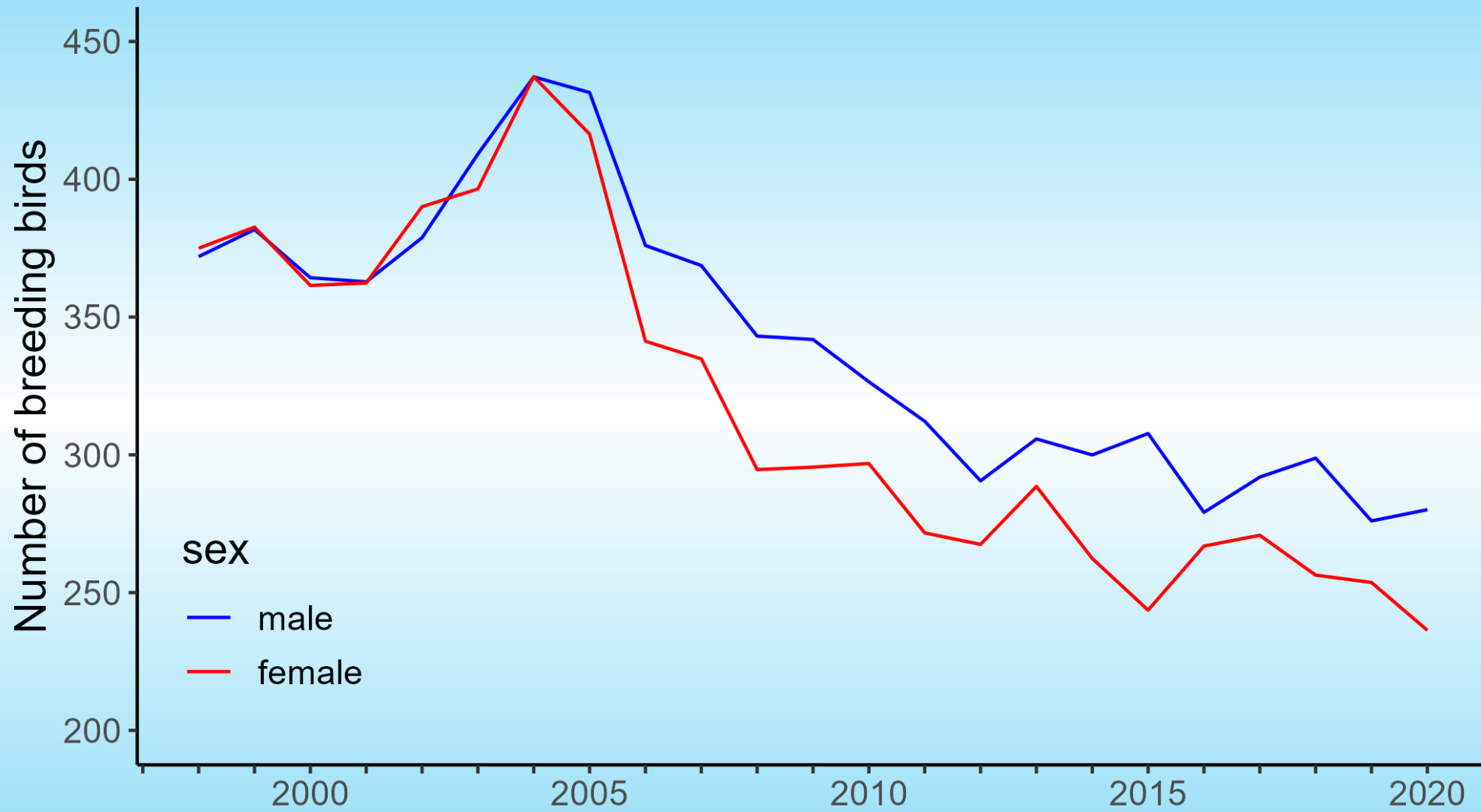
Survival



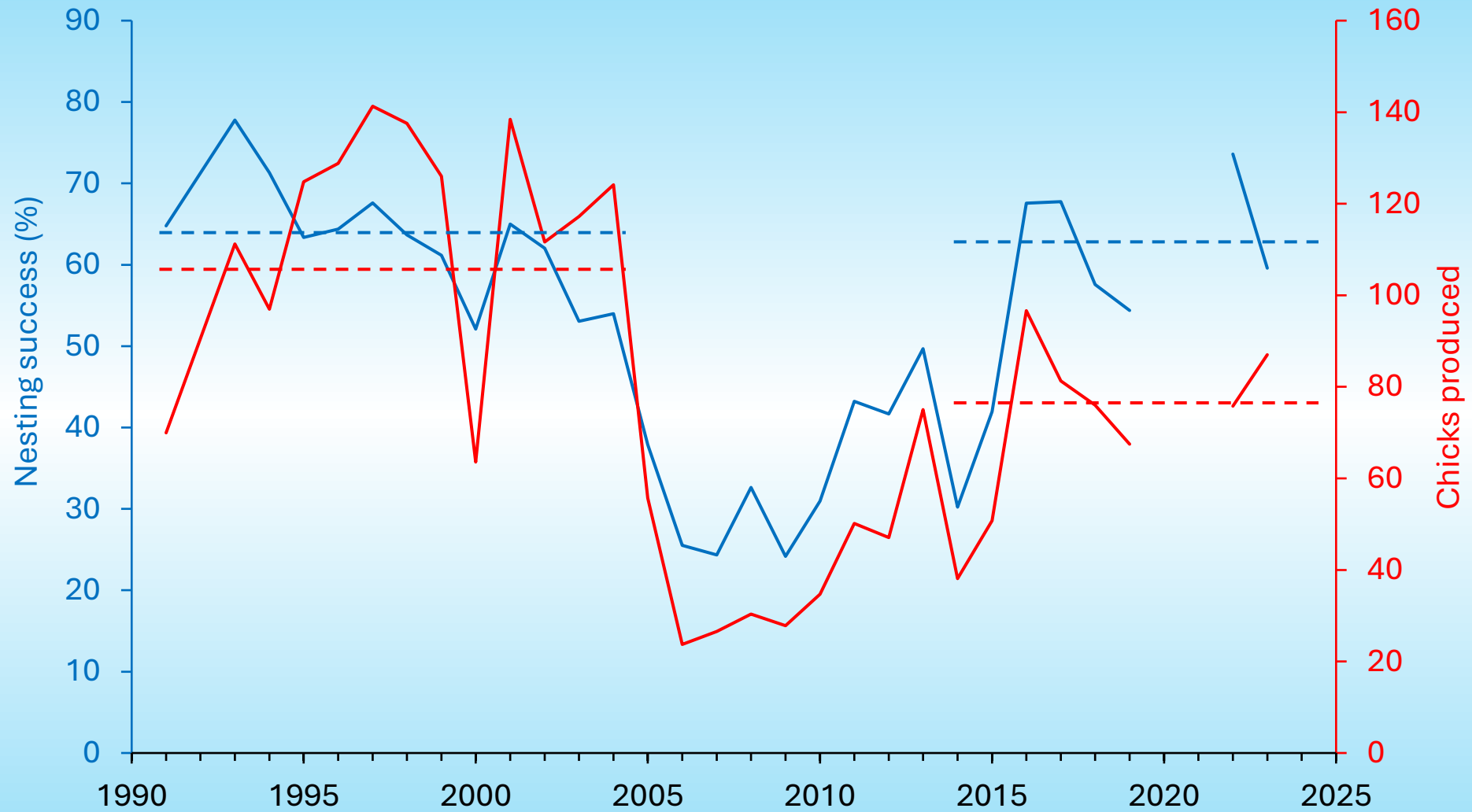


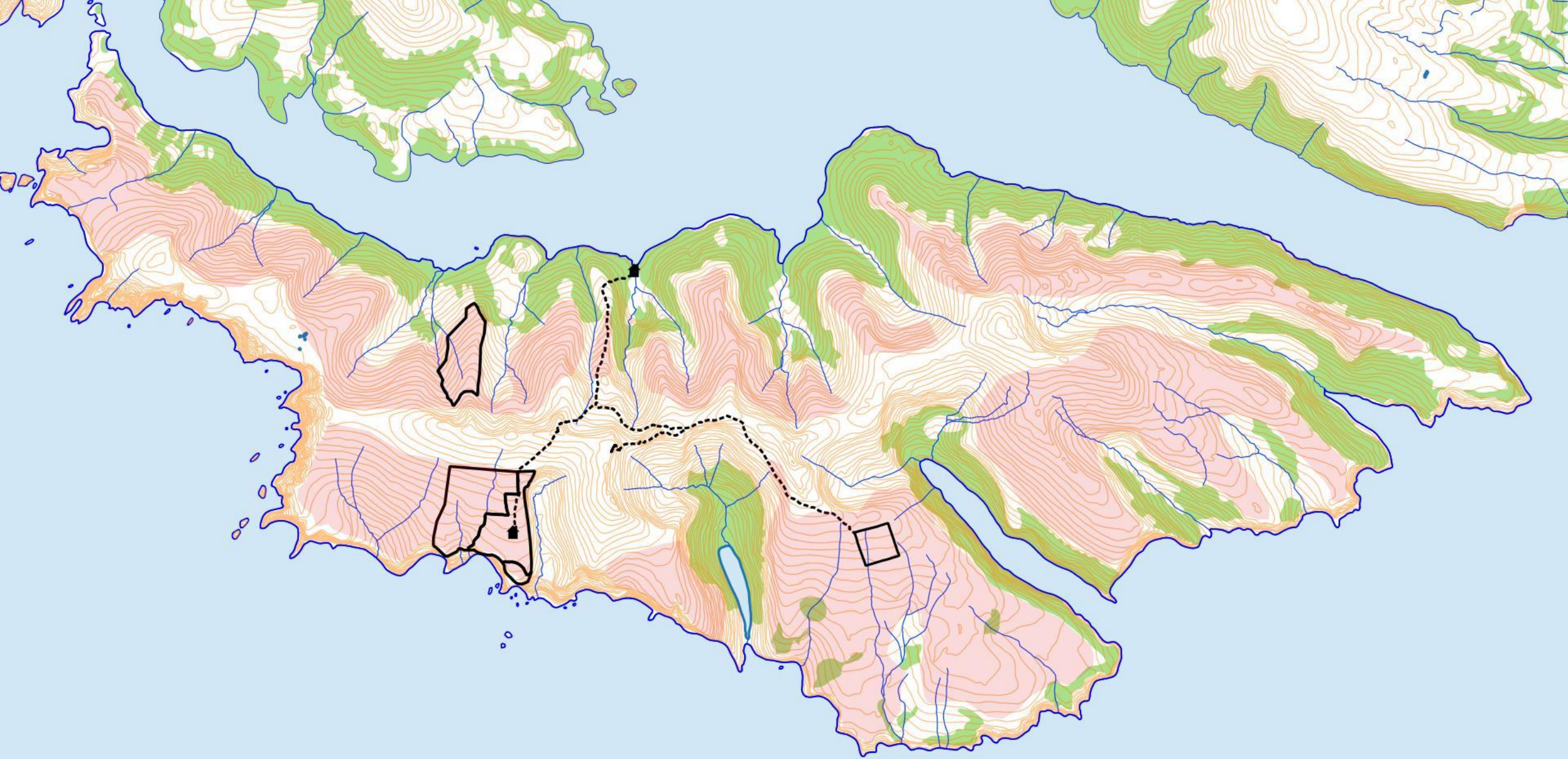


Population size (mark-recapture estimates)

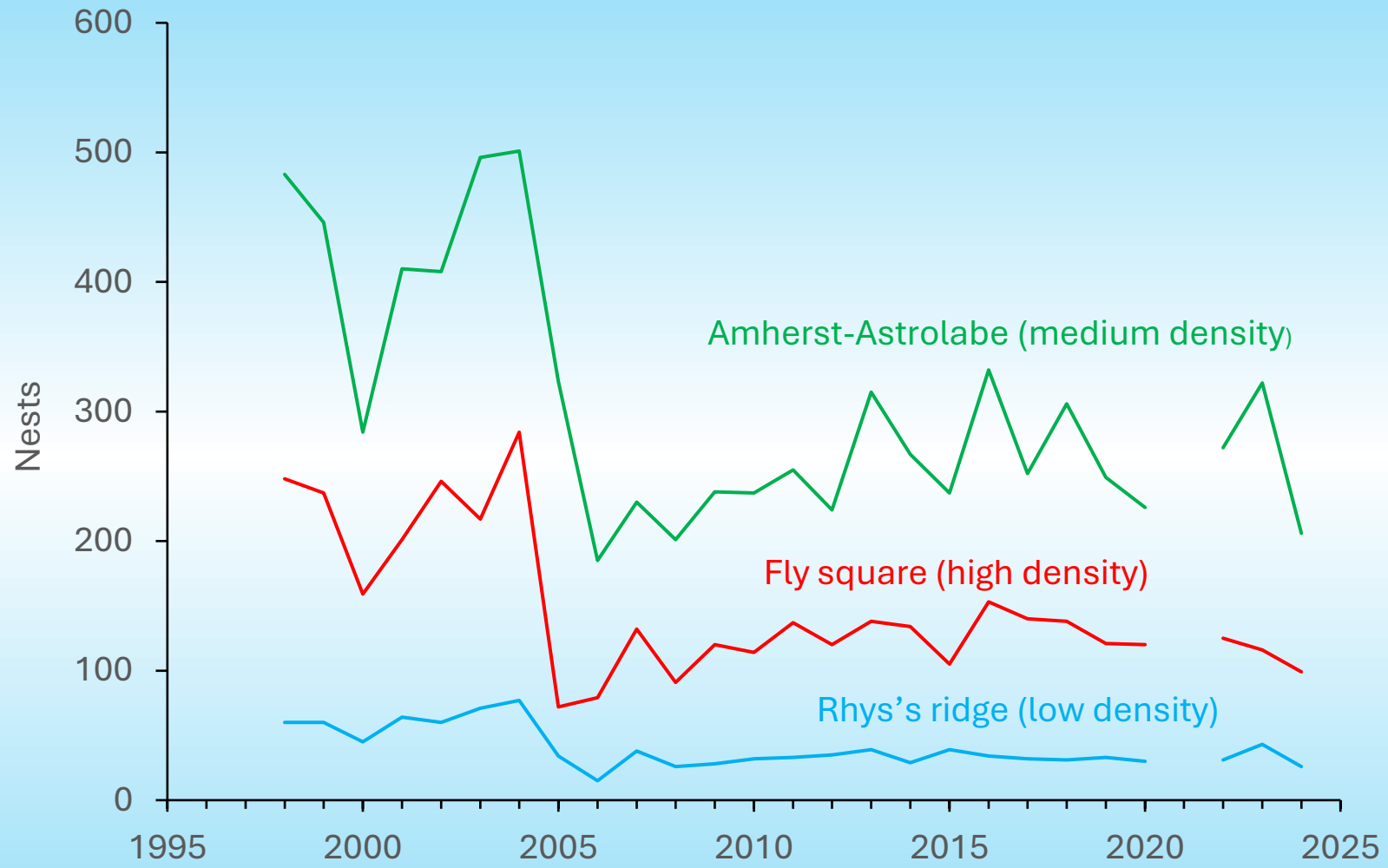


Productivity

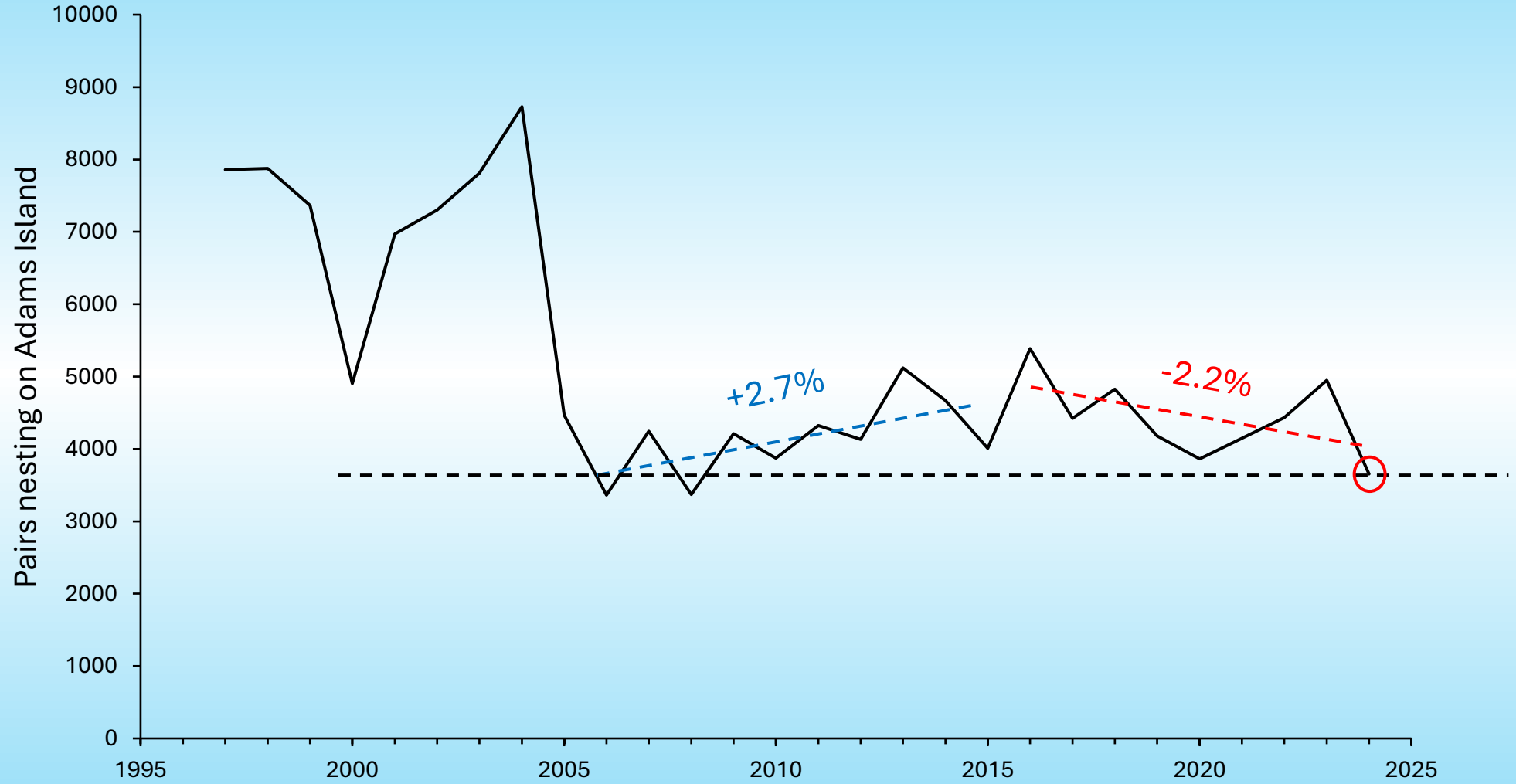


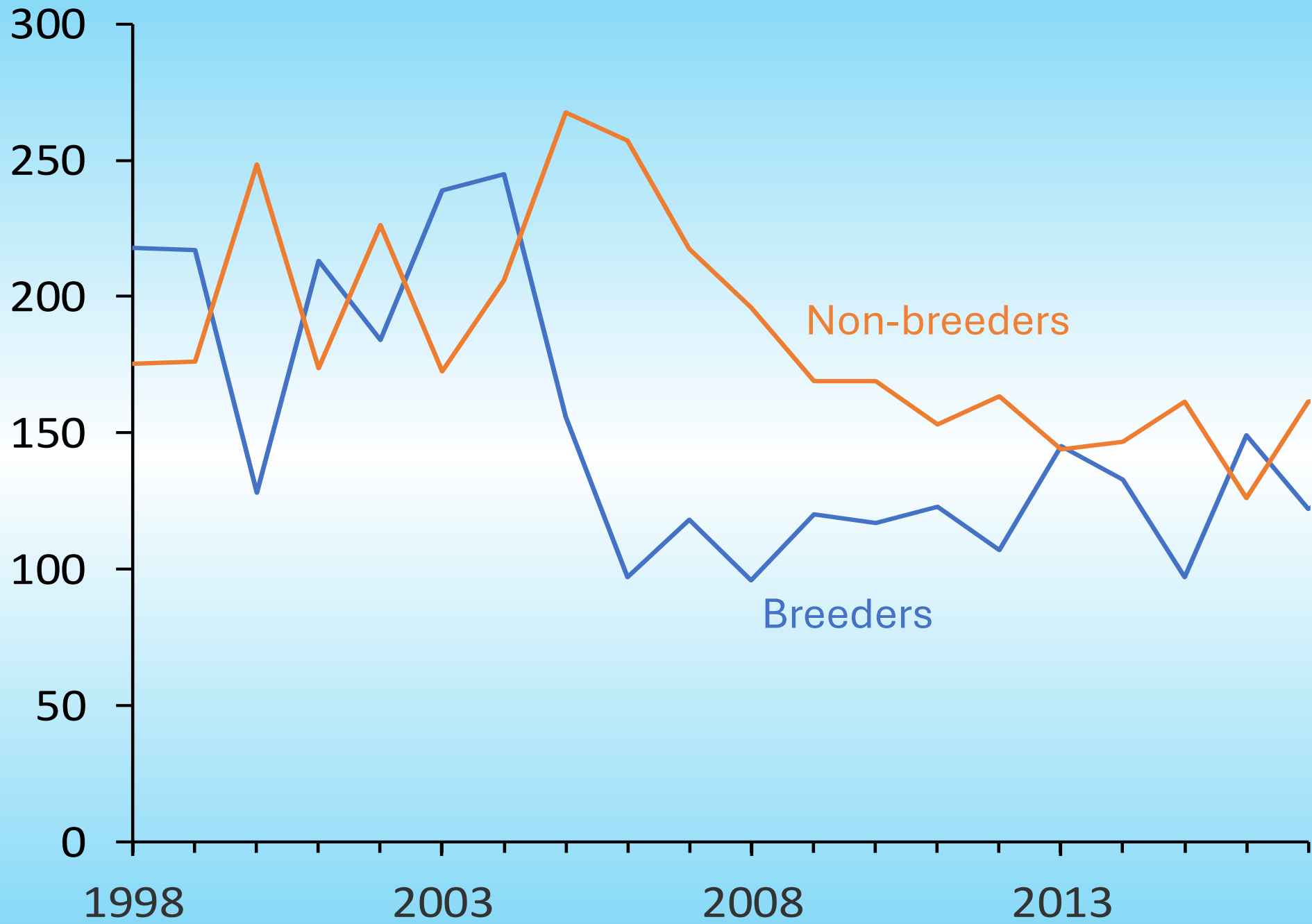


Counts

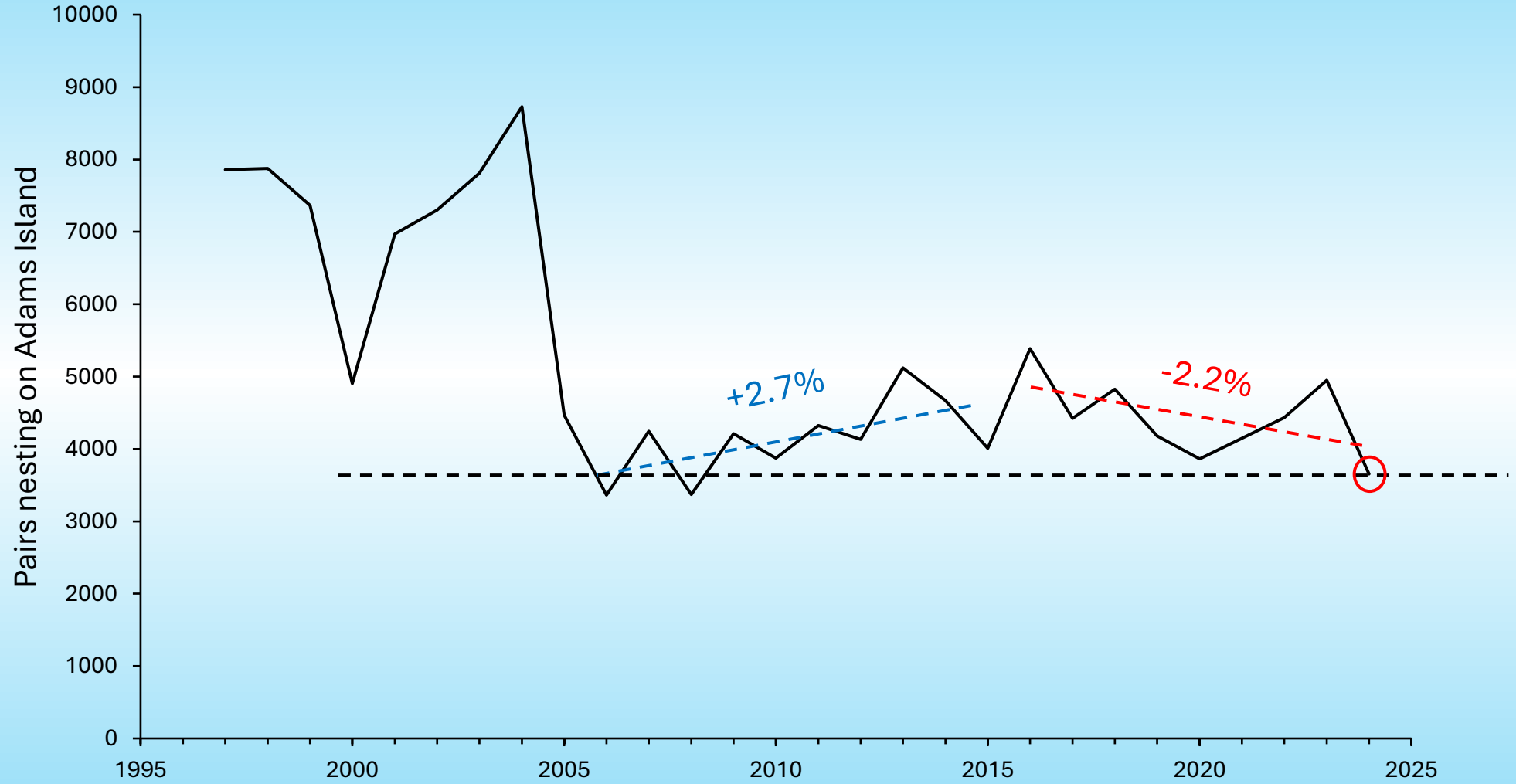


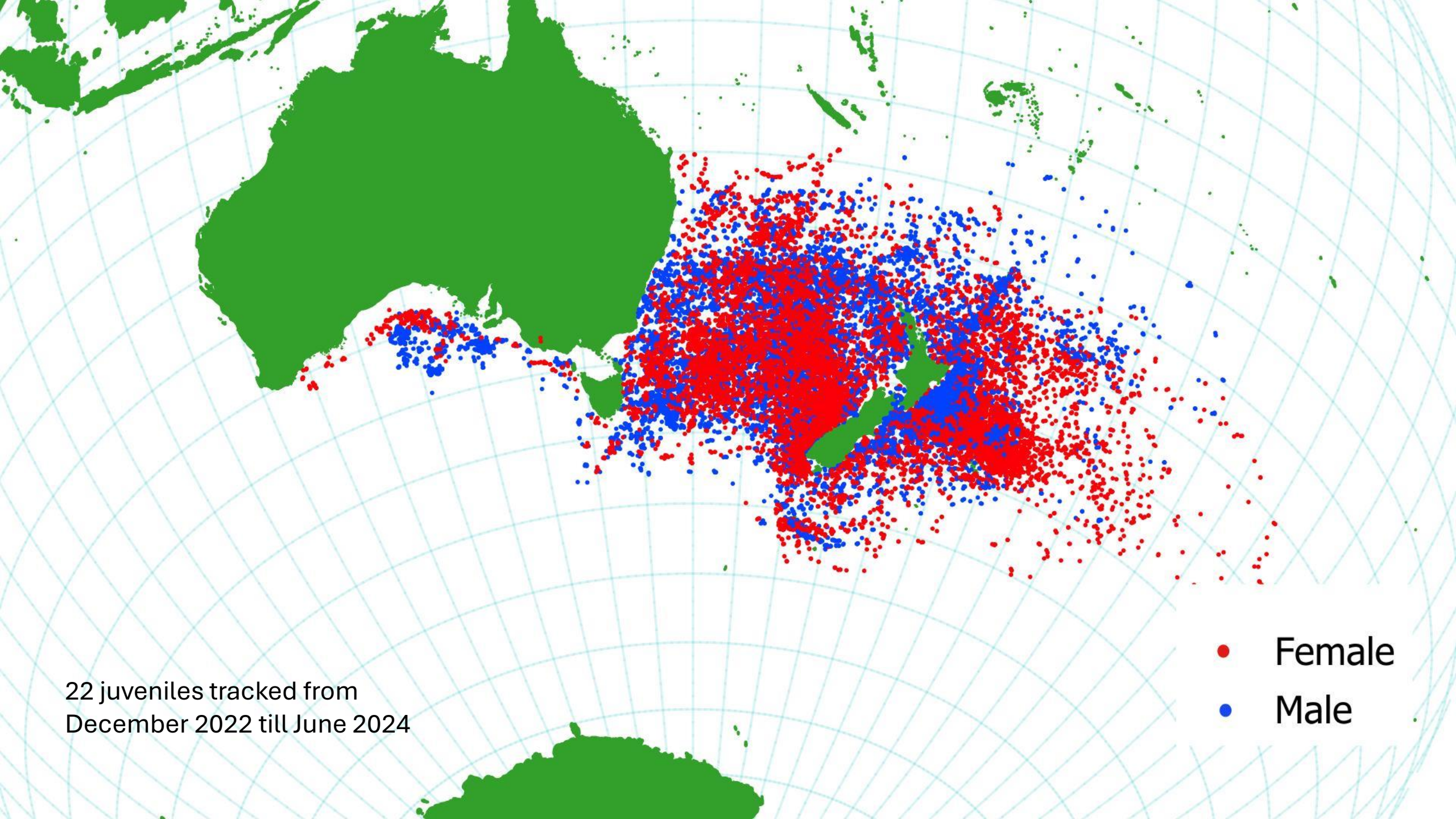
Whole island estimate of nests





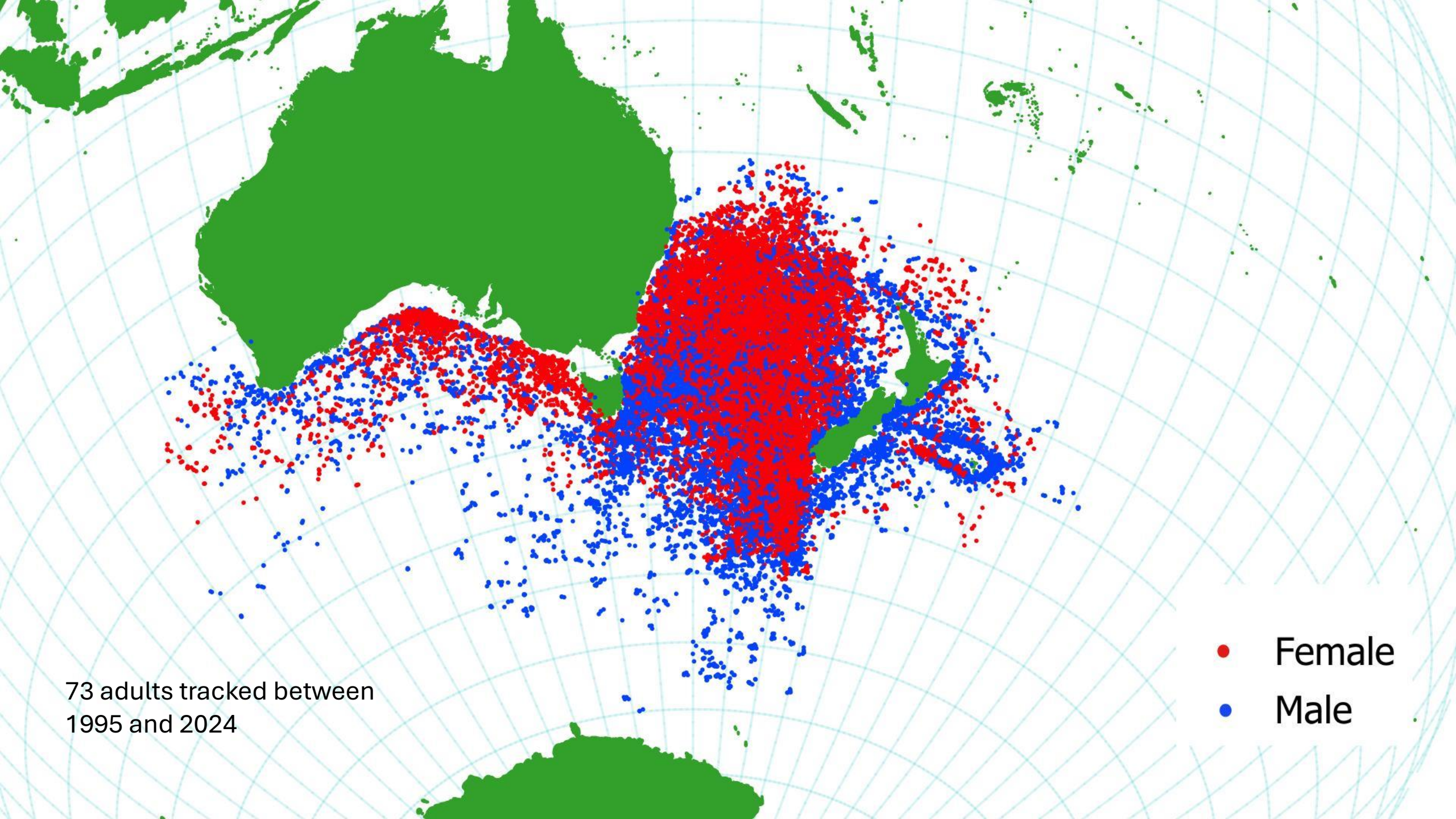
Whole island estimate of nests





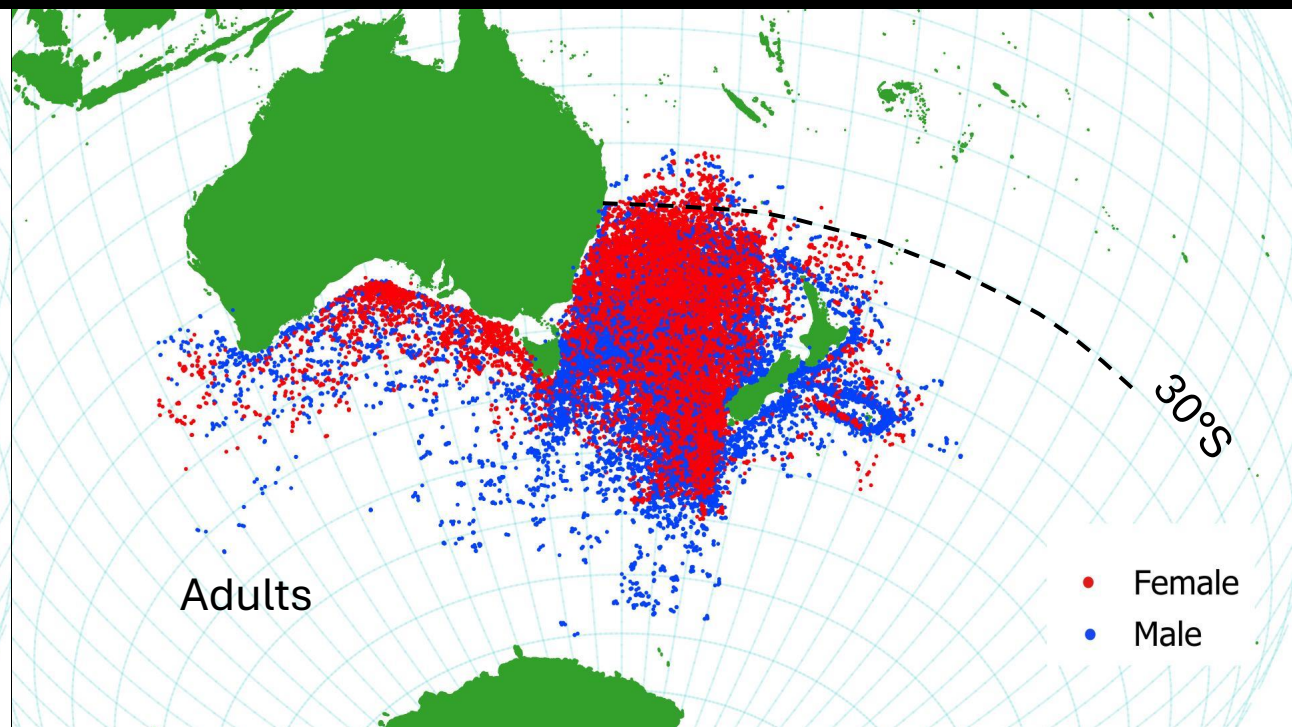
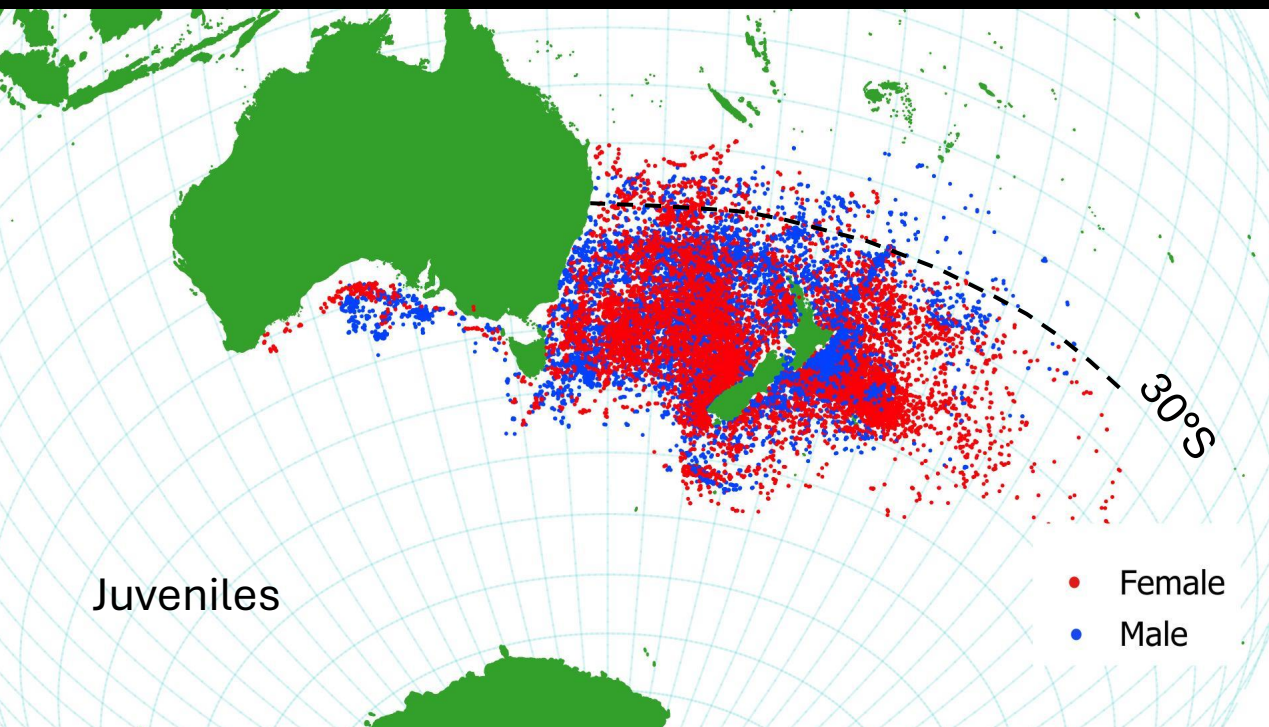
22 juveniles tracked from
December 2022 till June 2024

- Female
- Male

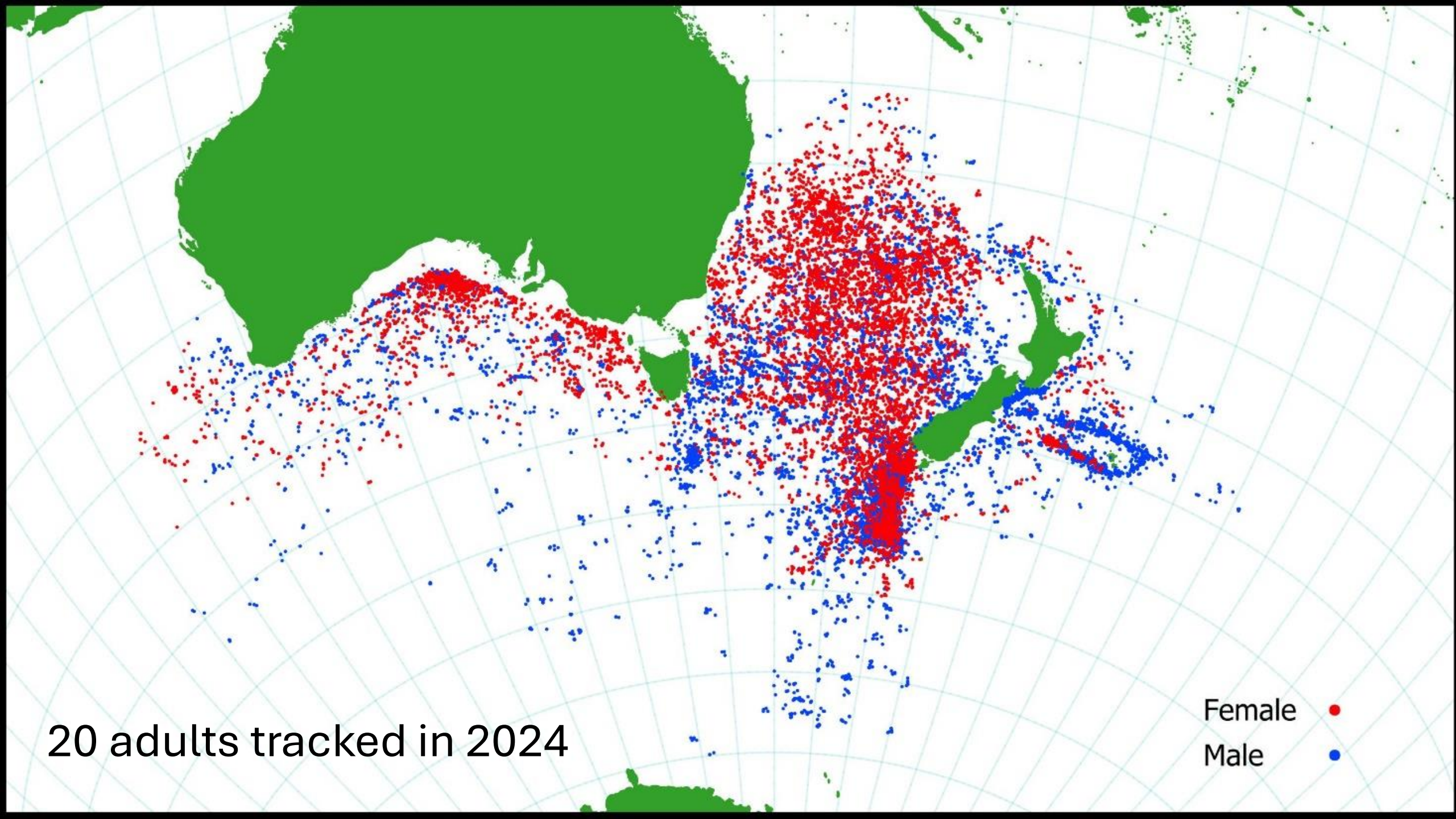


73 adults tracked between
1995 and 2024

- Female
- Male

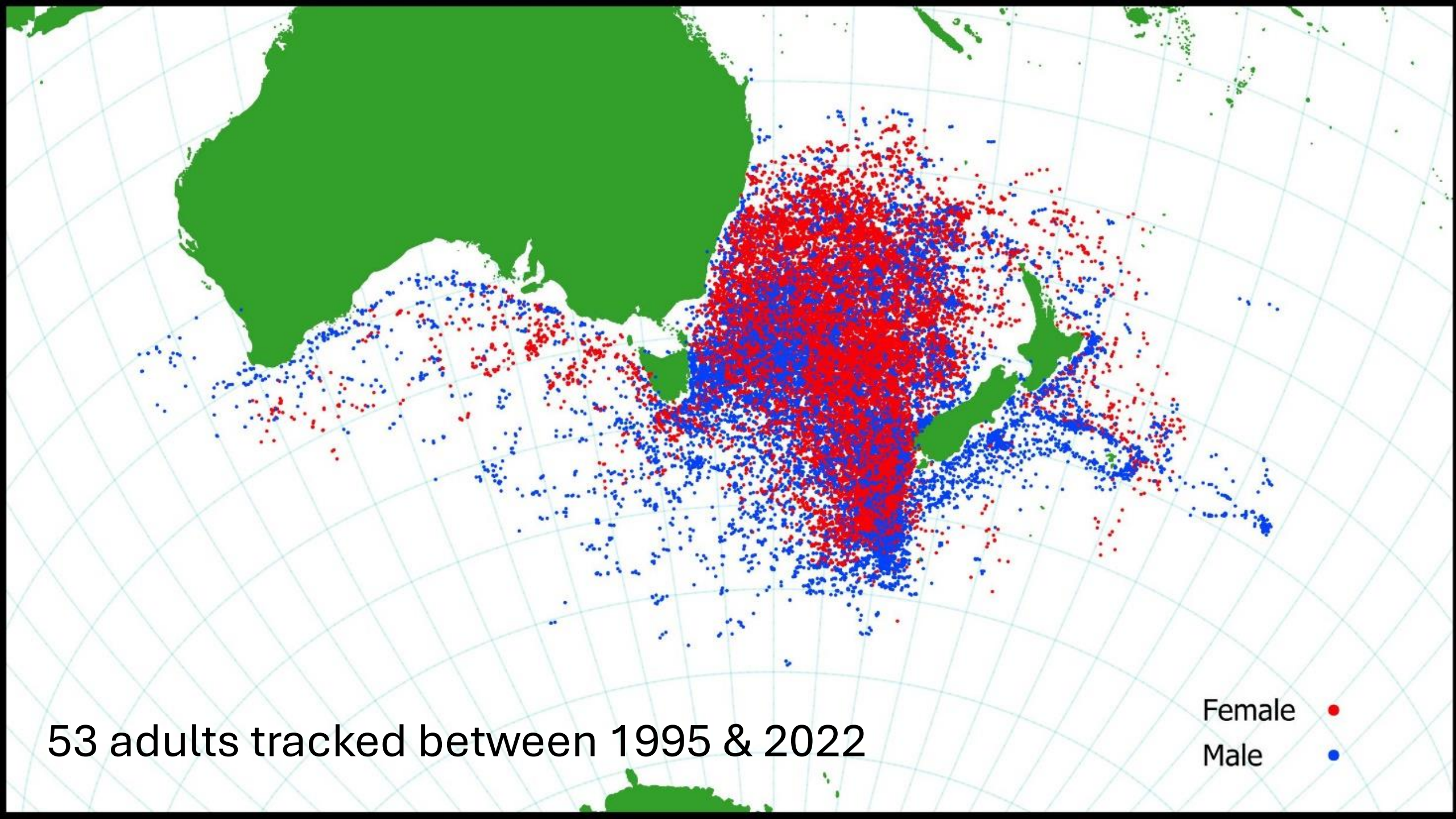






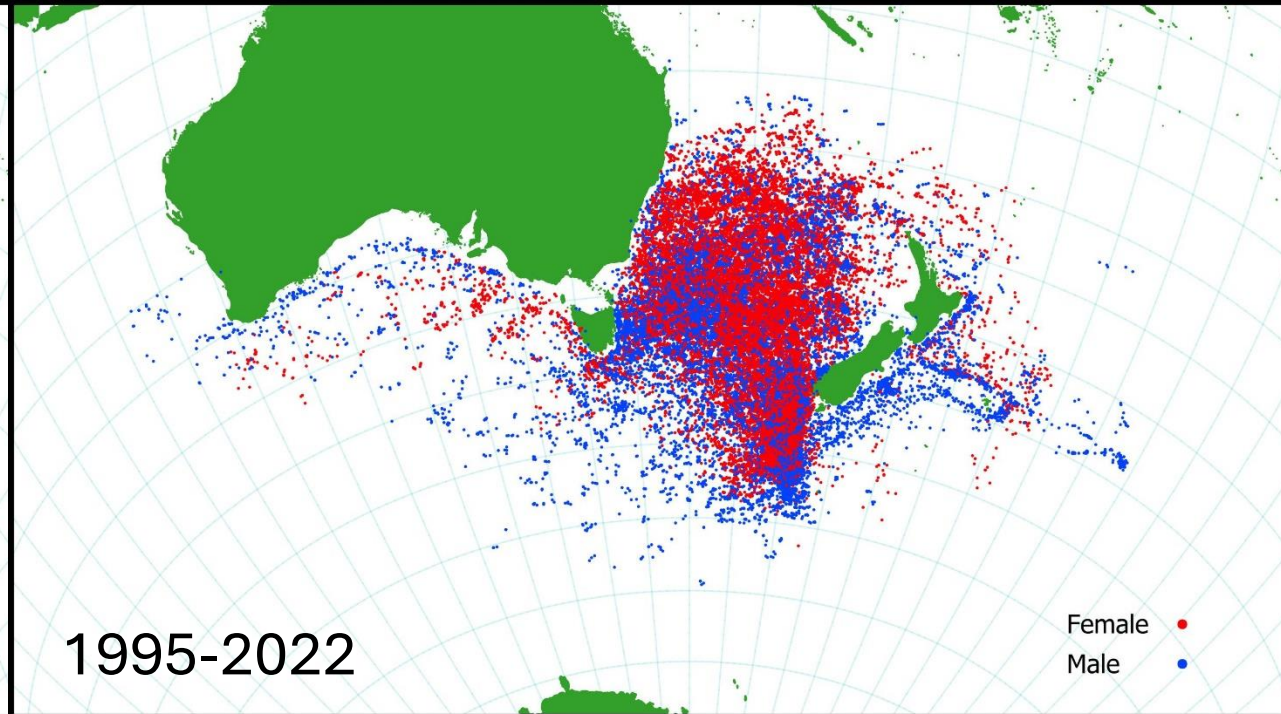
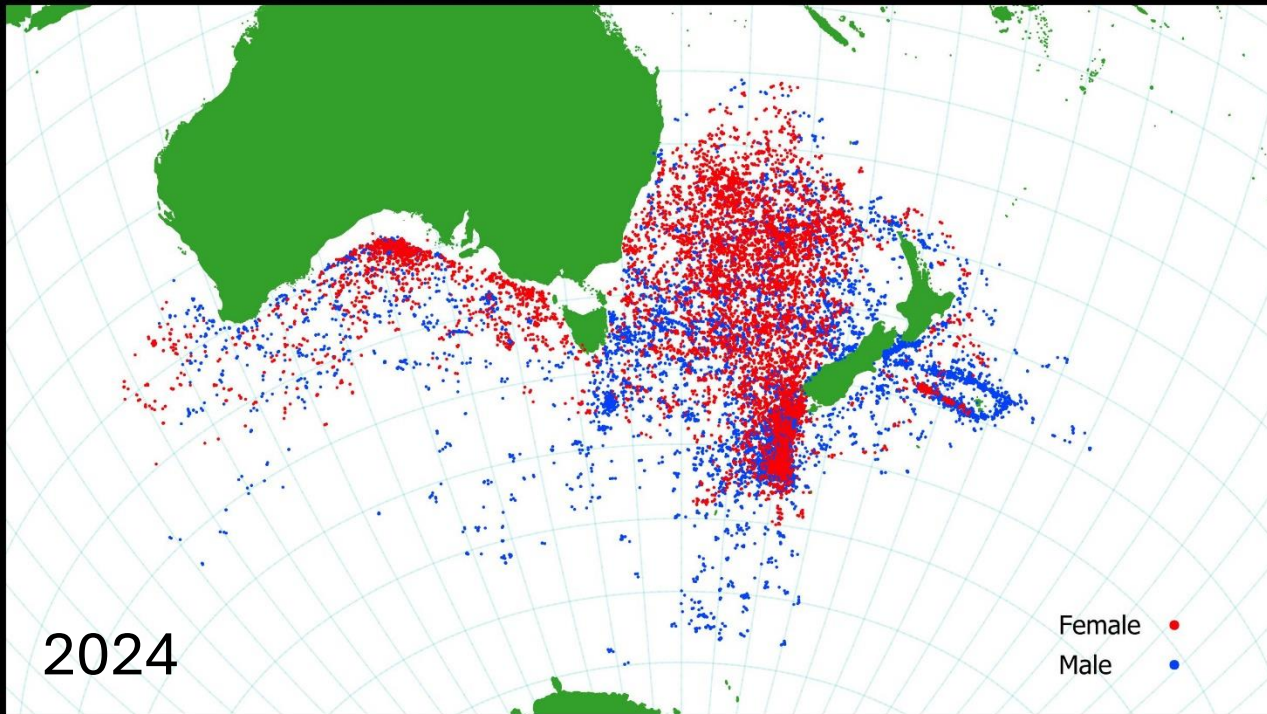
20 adults tracked in 2024

Female ●
Male ●



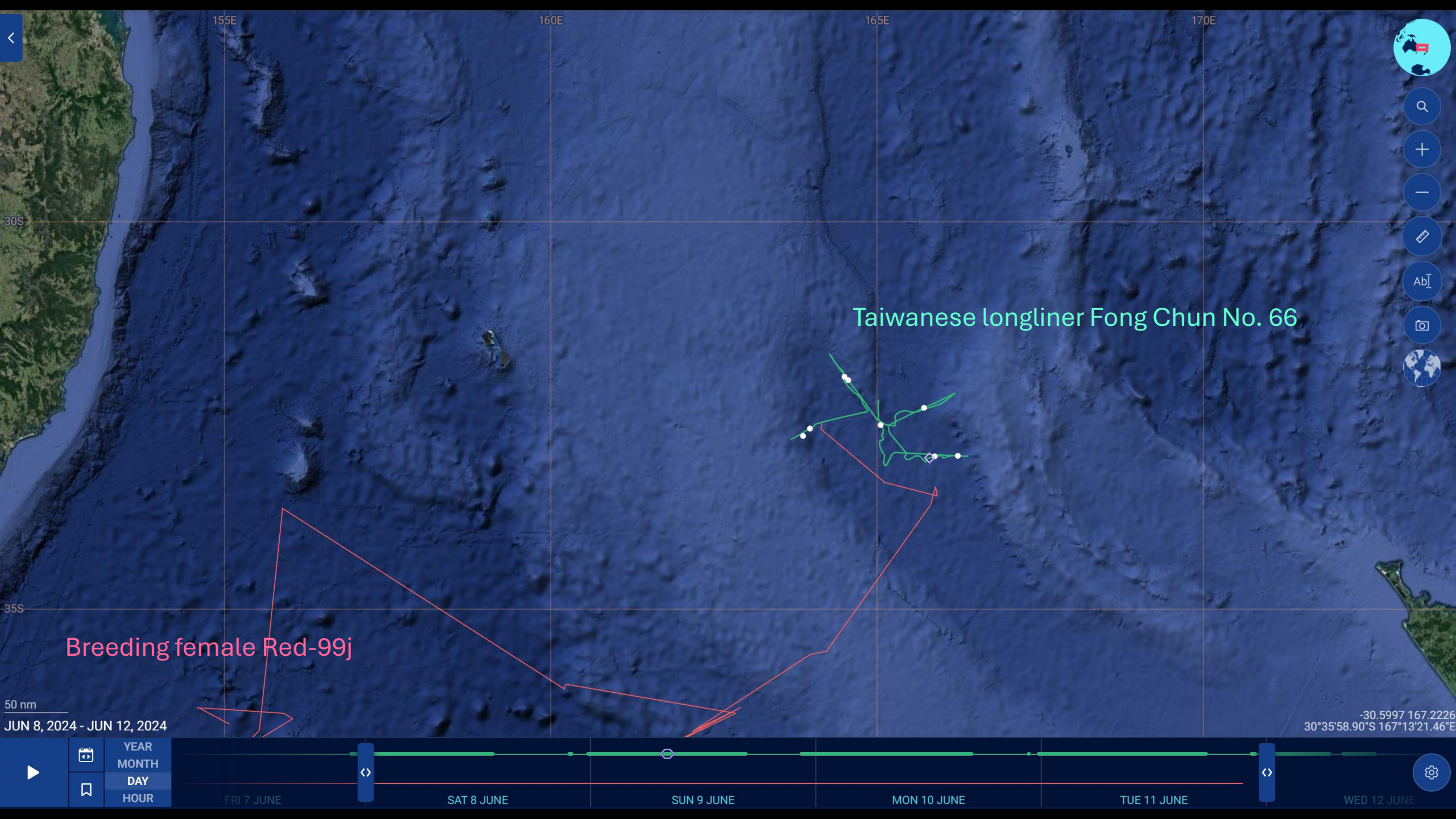
53 adults tracked between 1995 & 2022

Female ●
Male ●





Breeding female Red-99j Dec 2023 - 11 June 2024



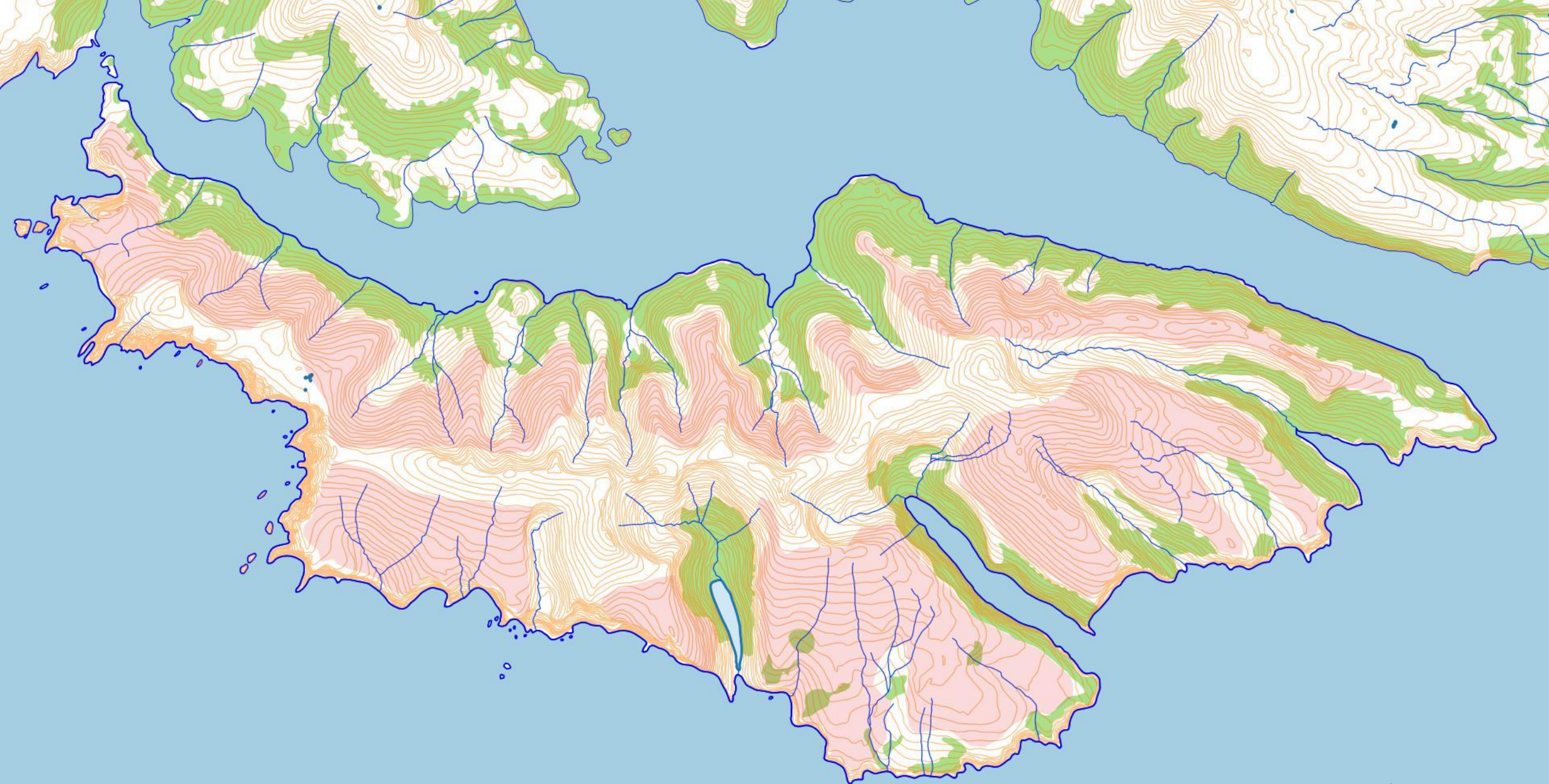
Taiwanese longliner Fong Chun No. 66

Breeding female Red-99j

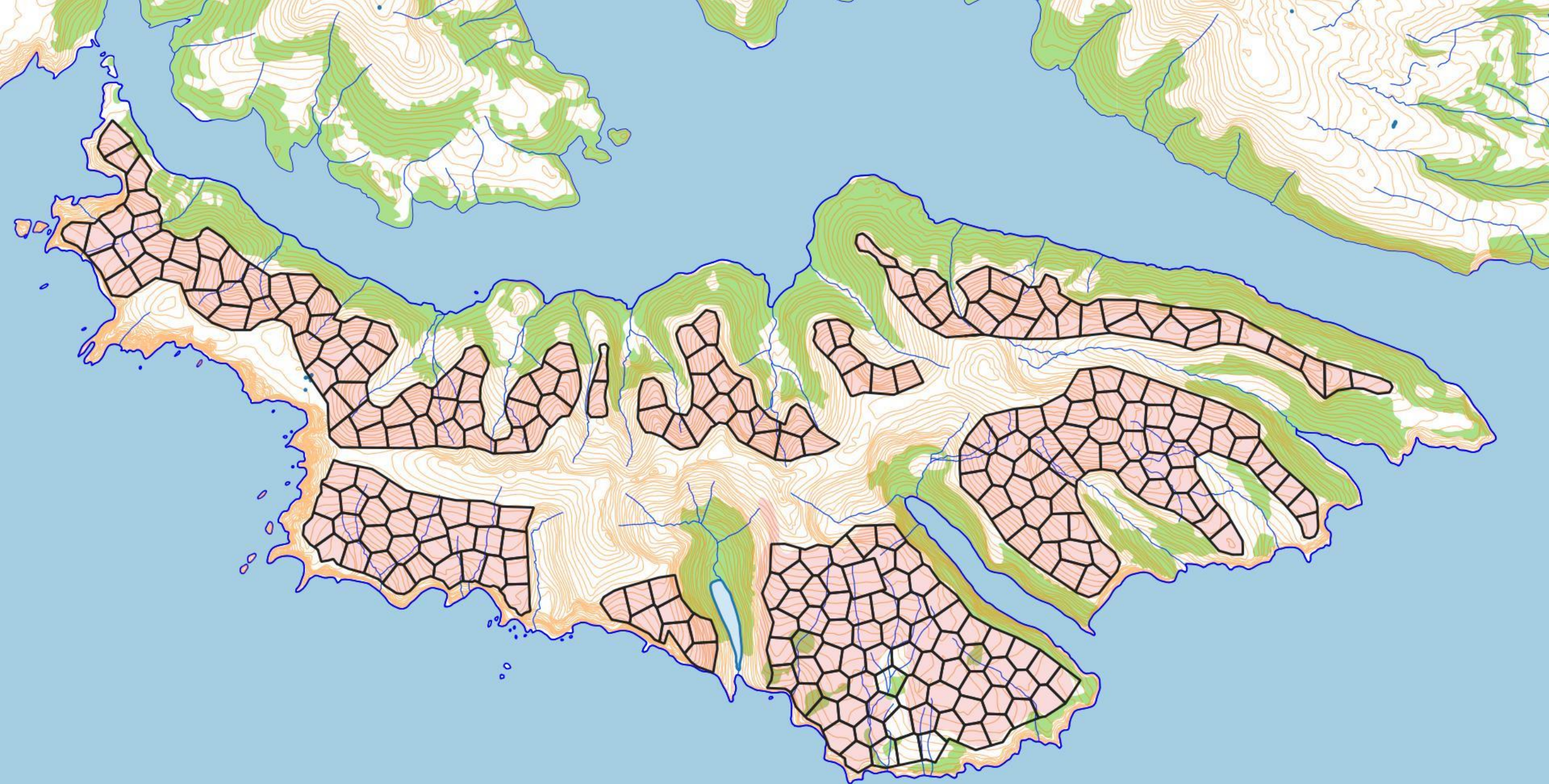
50 nm
JUN 8, 2024 - JUN 12, 2024

-30.5997 167.2226
30°35'58.90"S 167°13'21.46"E

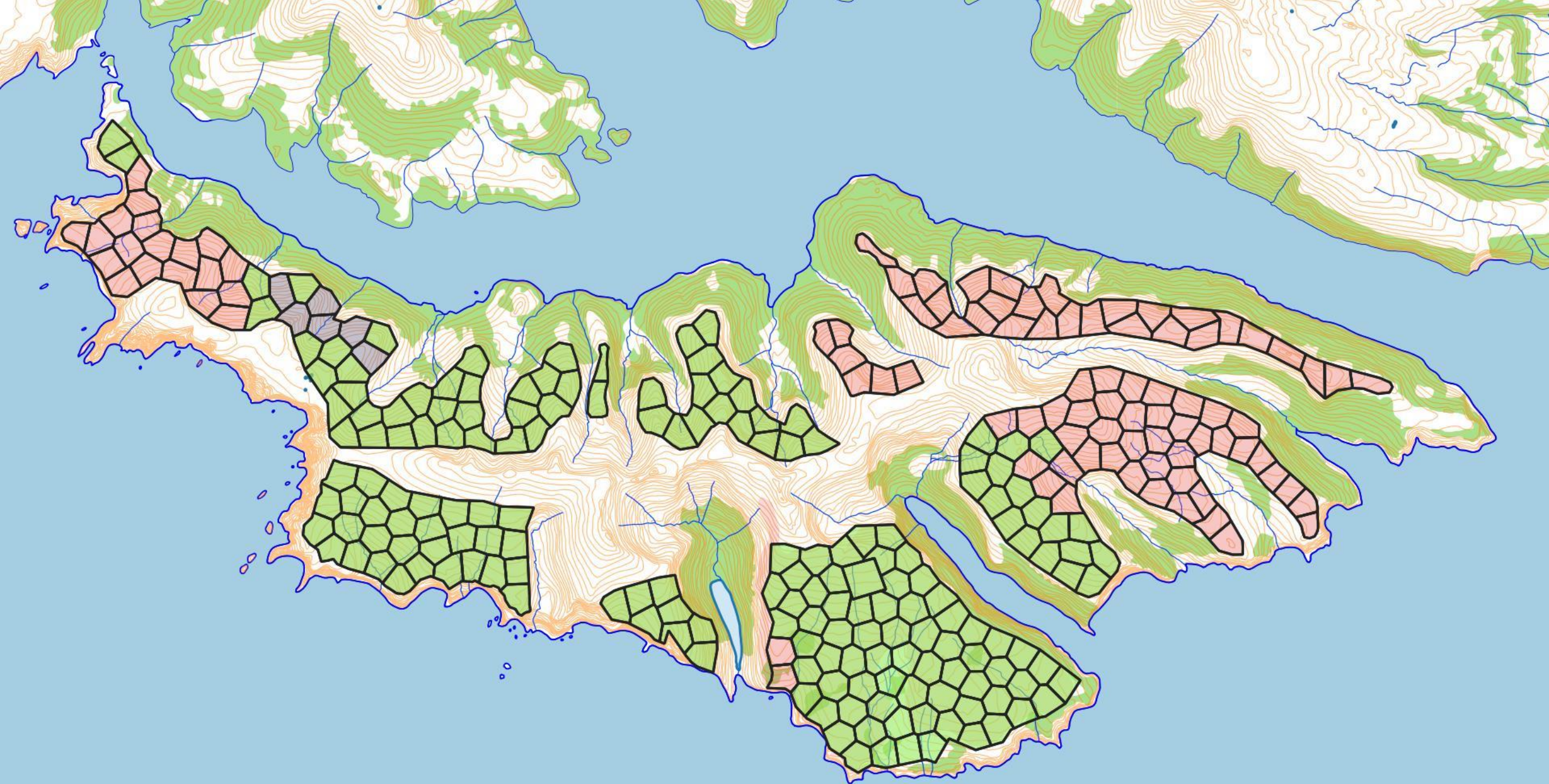
FRI 7 JUNE SAT 8 JUNE SUN 9 JUNE MON 10 JUNE TUE 11 JUNE WED 12 JUNE



4040 ha of albatross breeding grounds

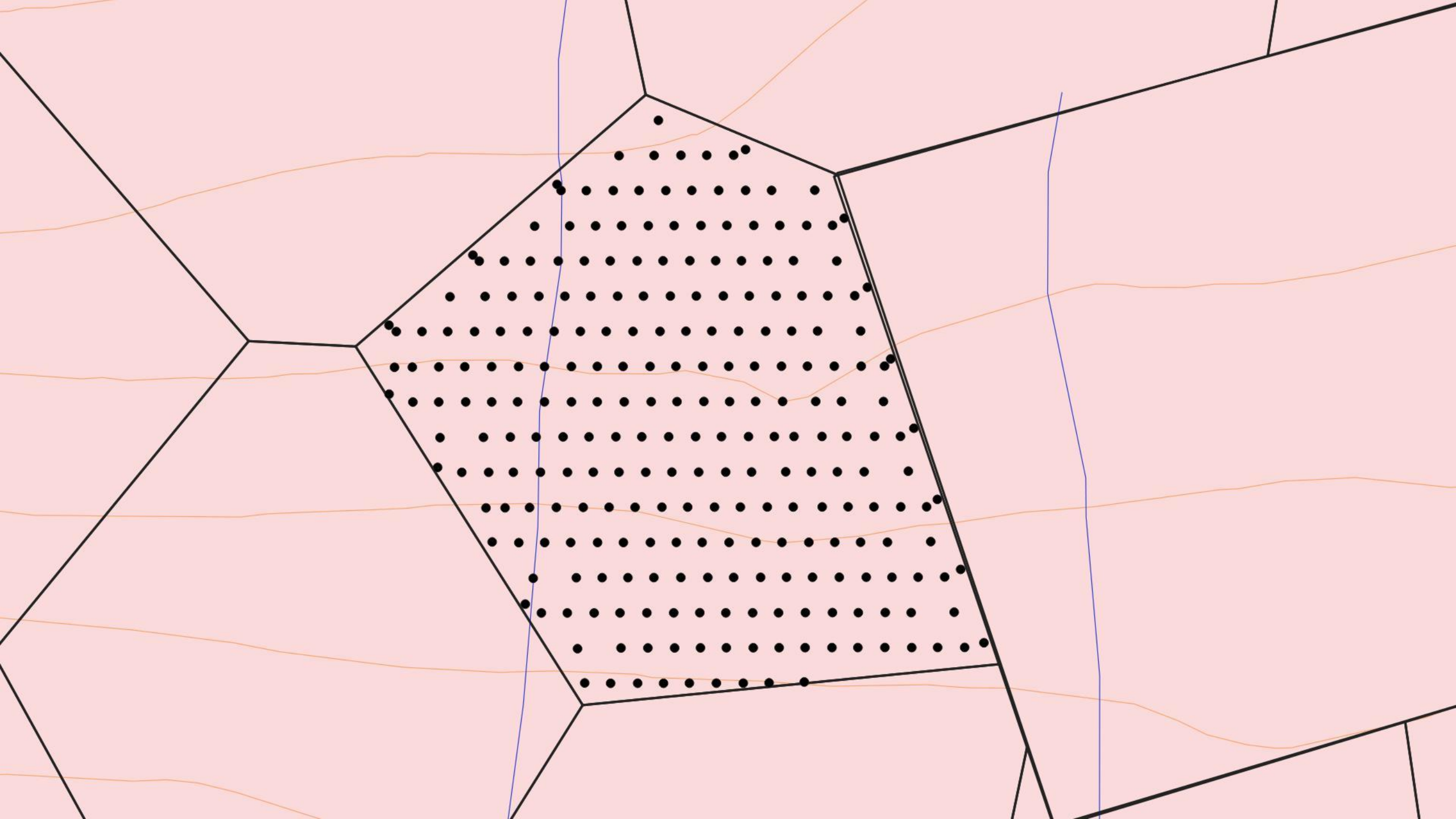


281 x 15ha blocks

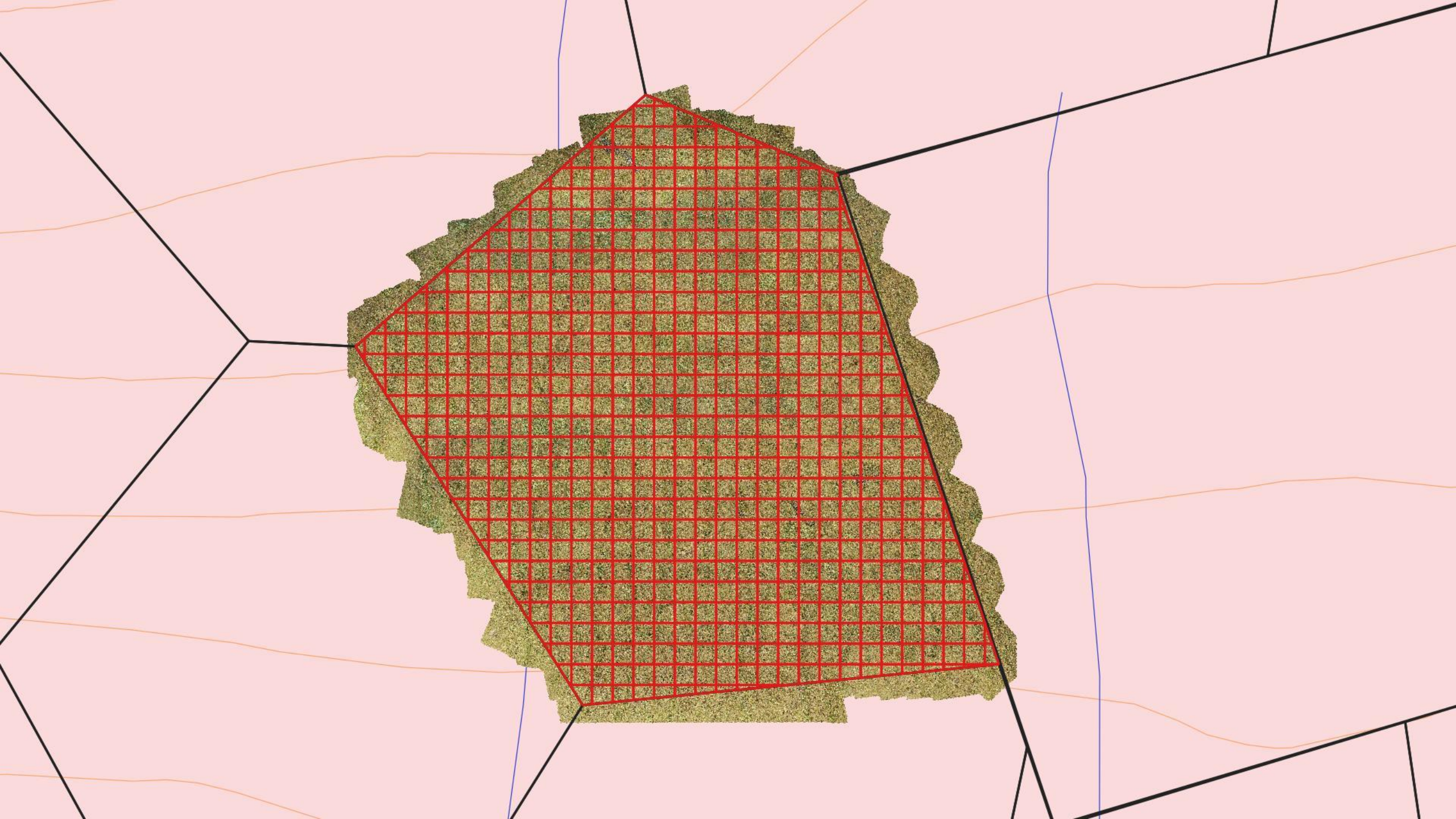


178 blocks successfully flown
2565 ha 63%

37

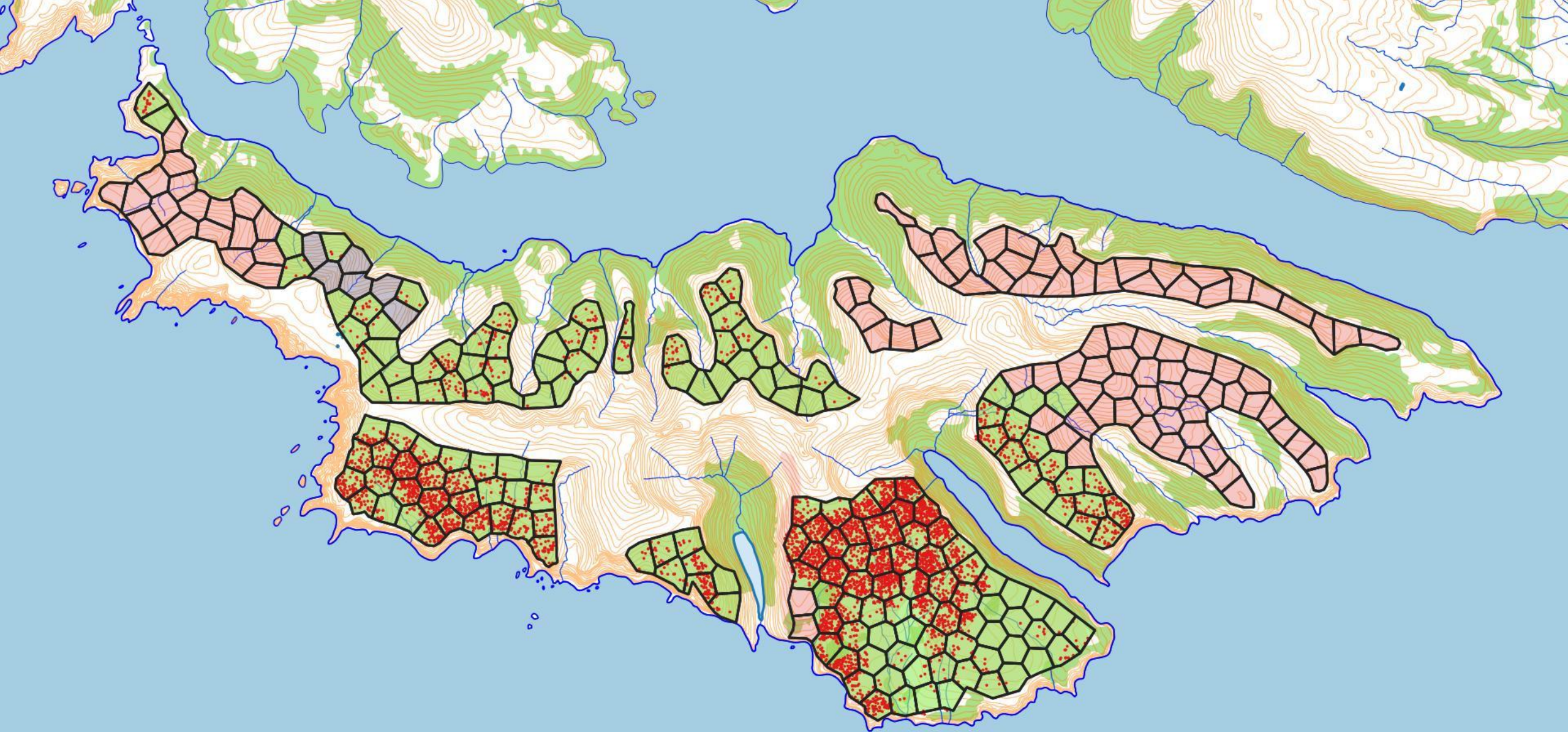




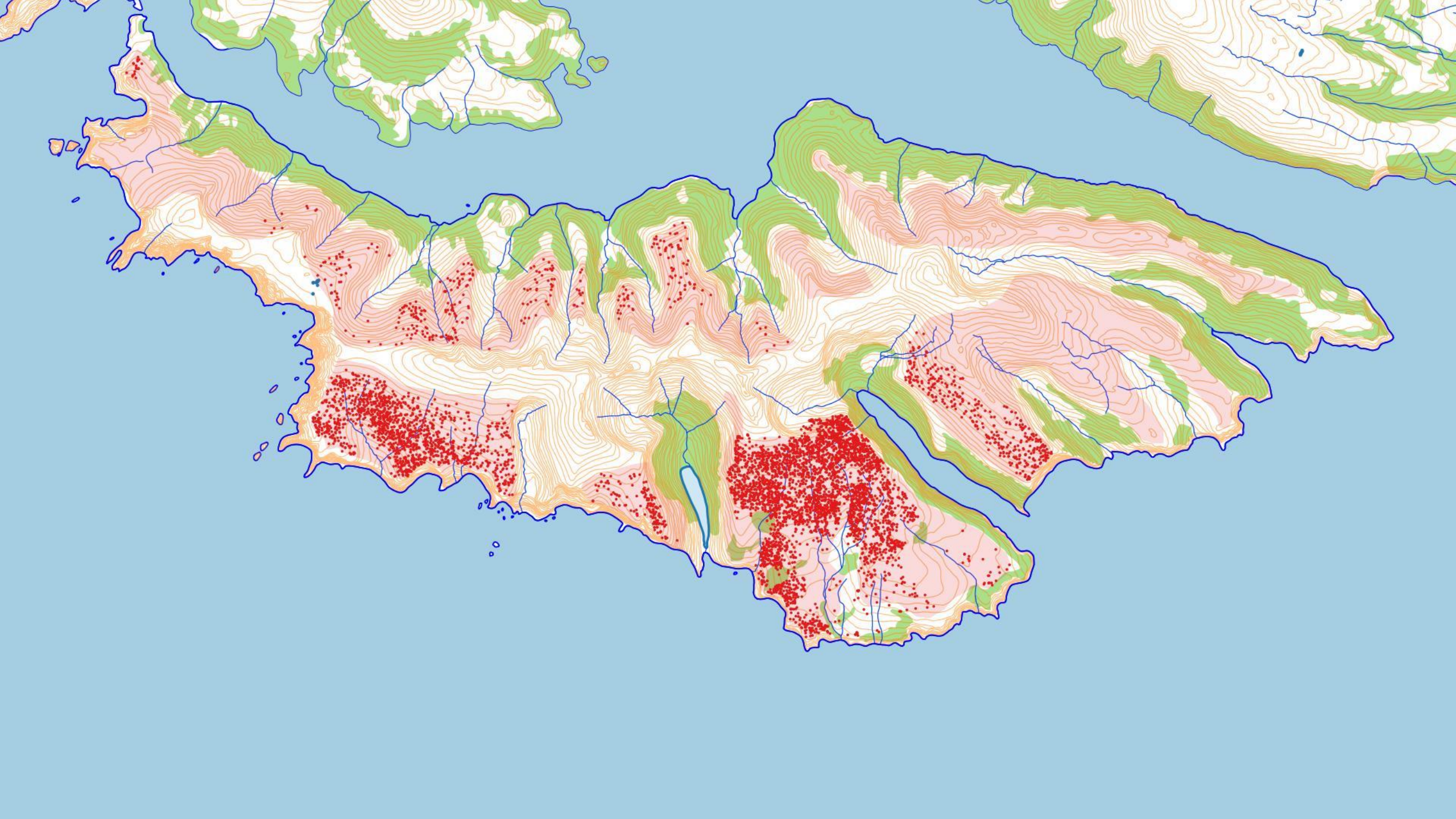


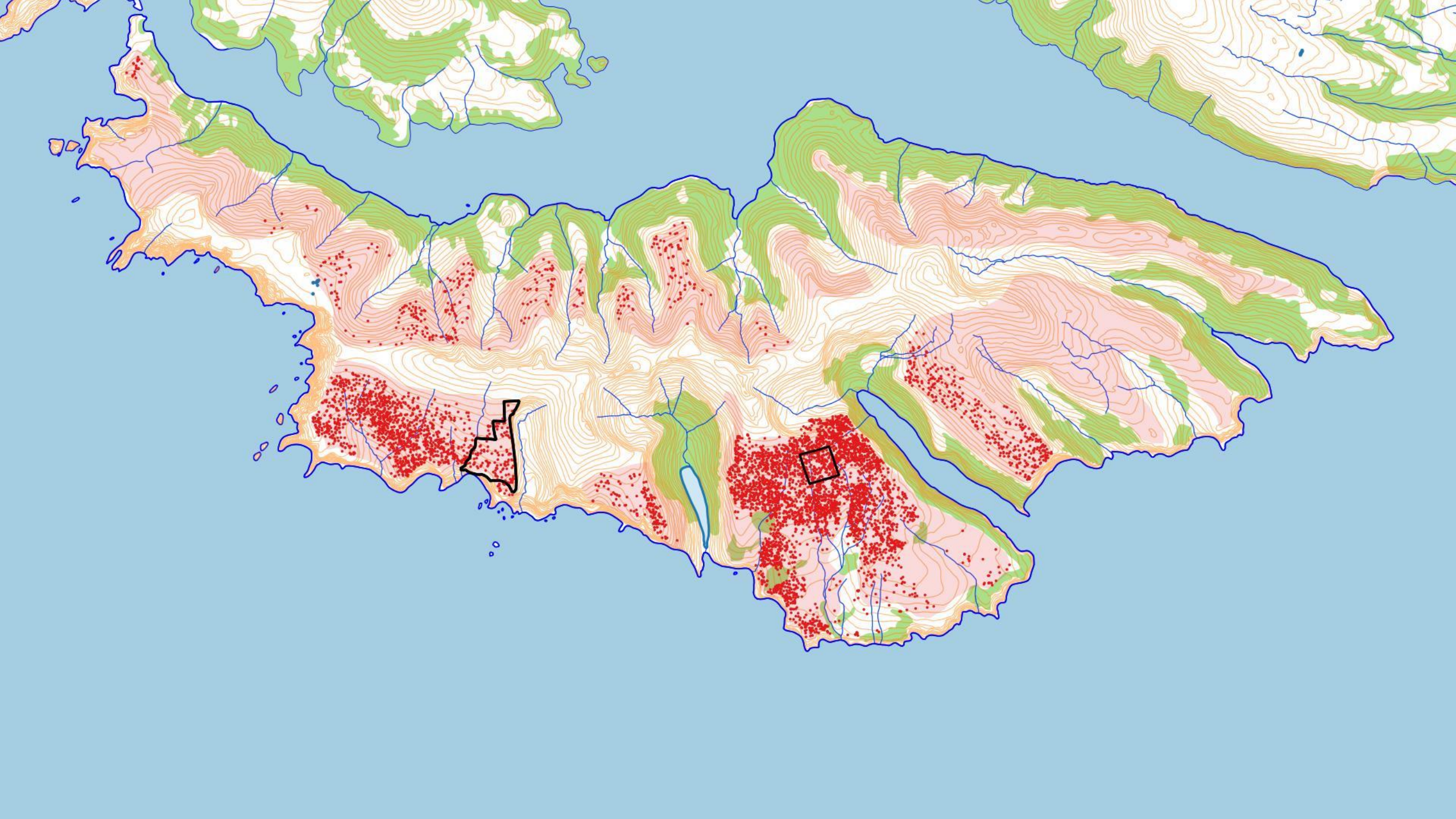


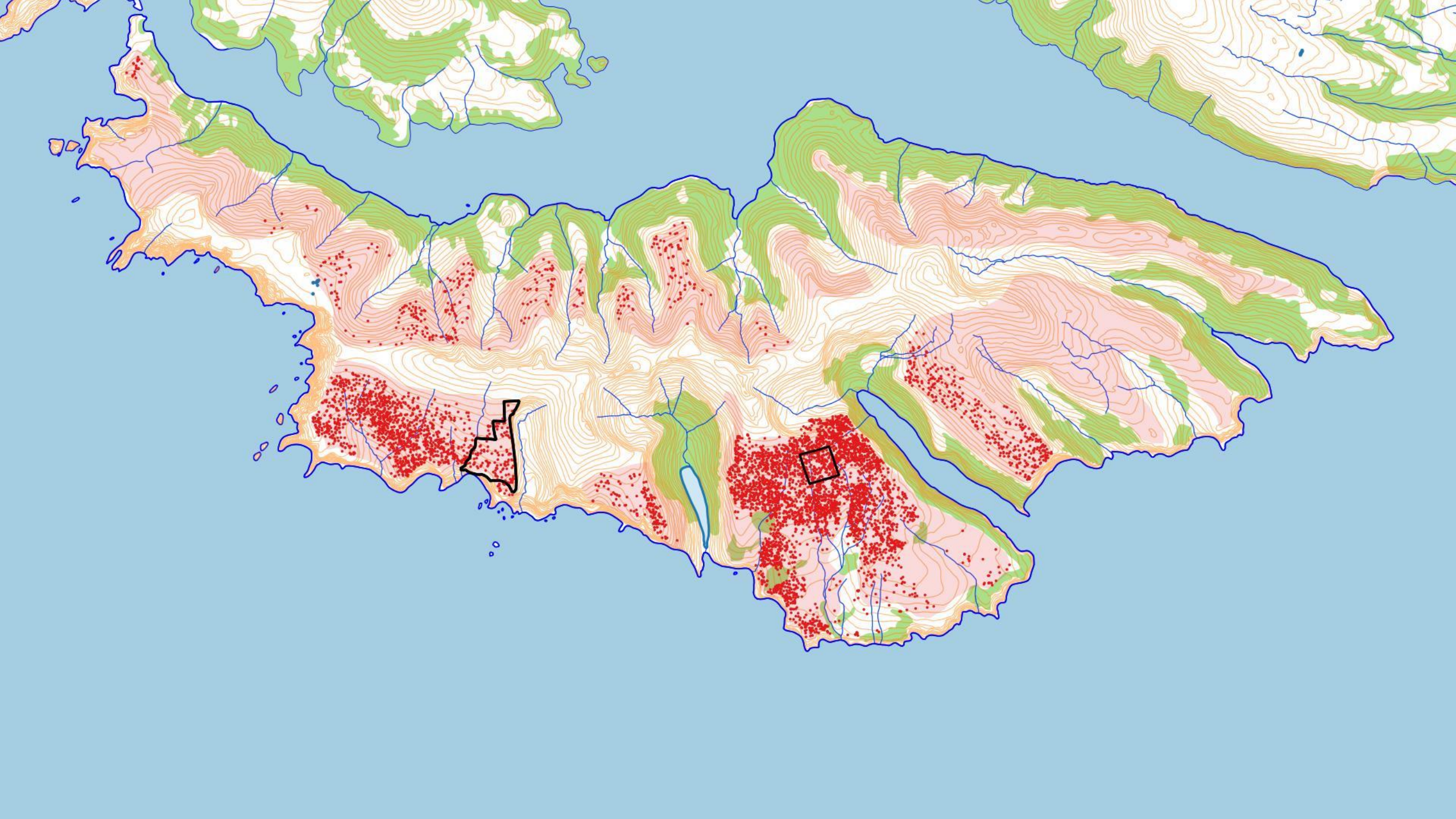


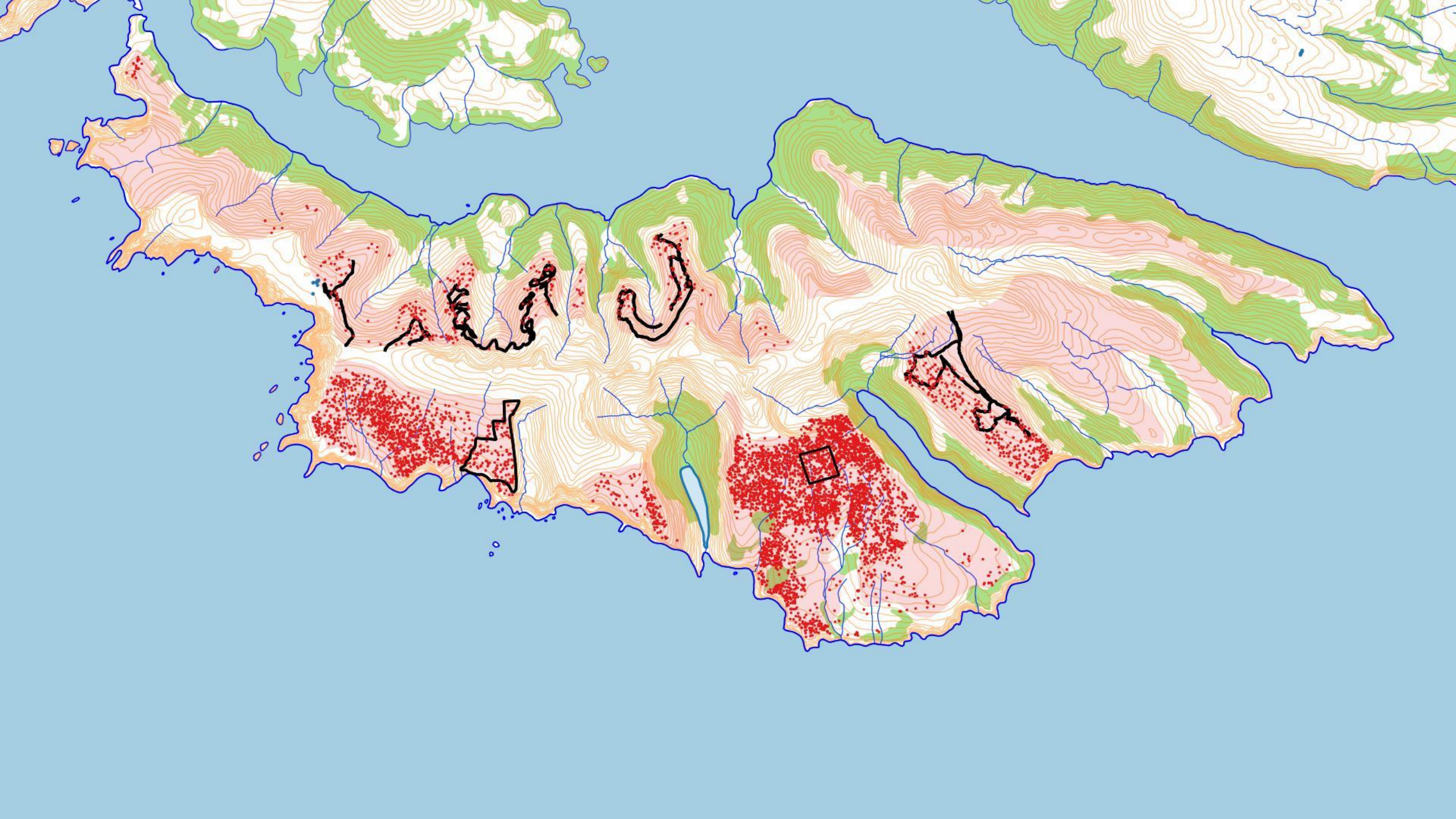


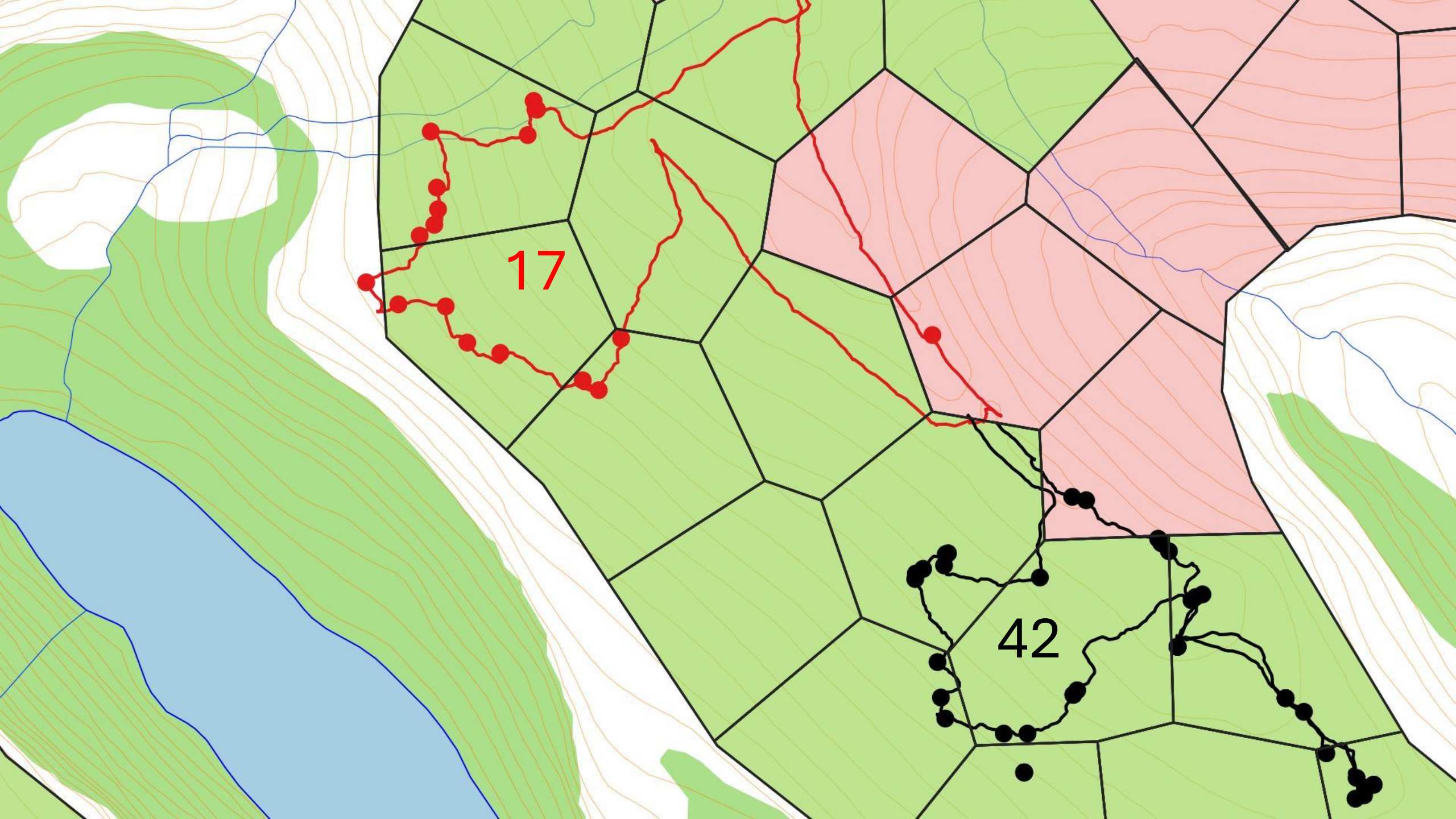
5559 birds





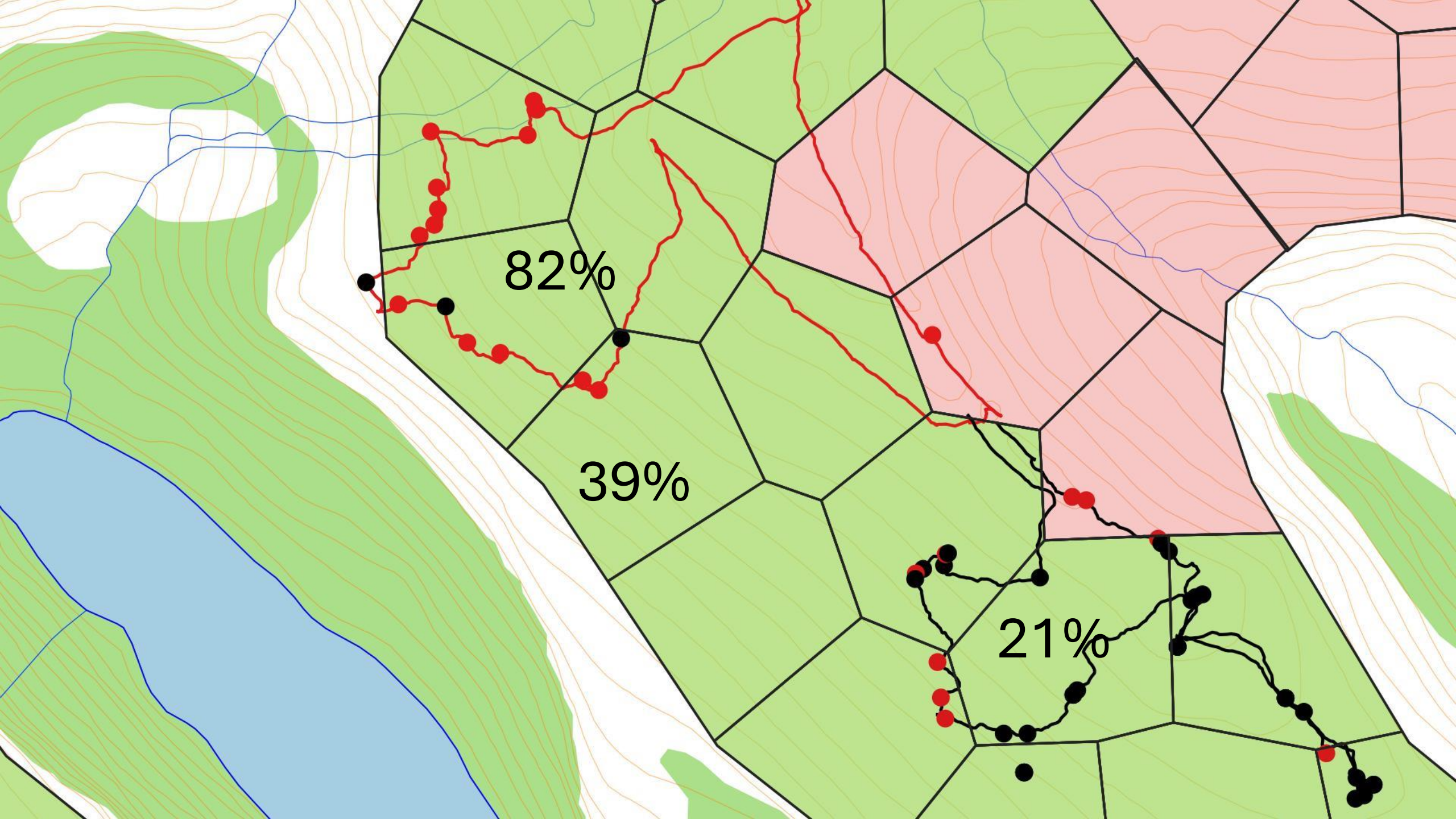






17

42



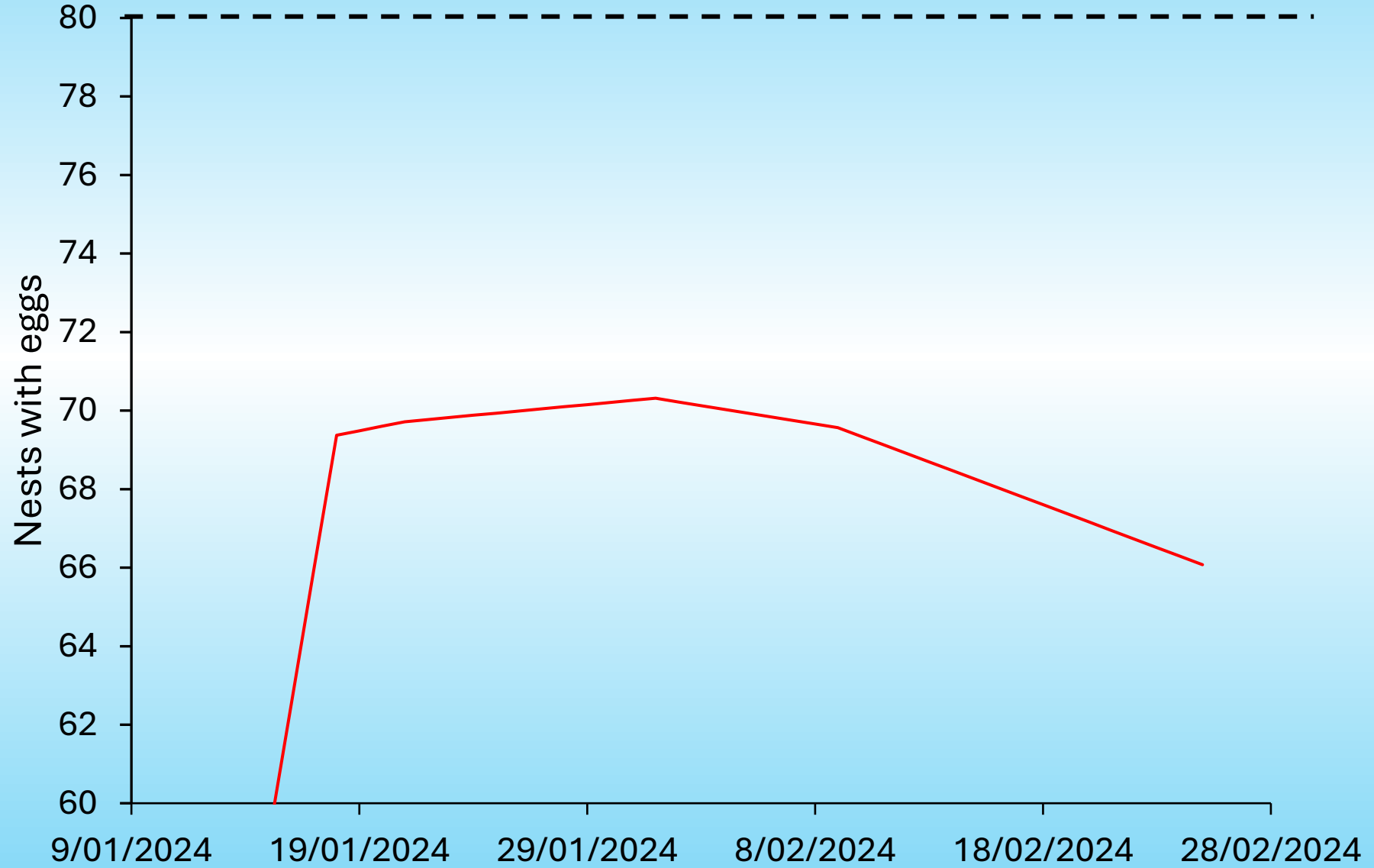
82%

39%

21%



Laying and nest failure correction



- Counted 5559 birds
- Estimate **3322** nesting pairs
 - Correcting for lay and fail
 - Correcting for has-egg
- 95% confidence intervals somewhere between ± 50 and ± 225

Drone counts are OK

