

Co-Pls: Tom Hodgman, Brian Olsen, Greg Shriver, Adrienne Kovach, Jonathan Cohen

5 Universities10 States14 Graduate students4 Postdocs/Staff









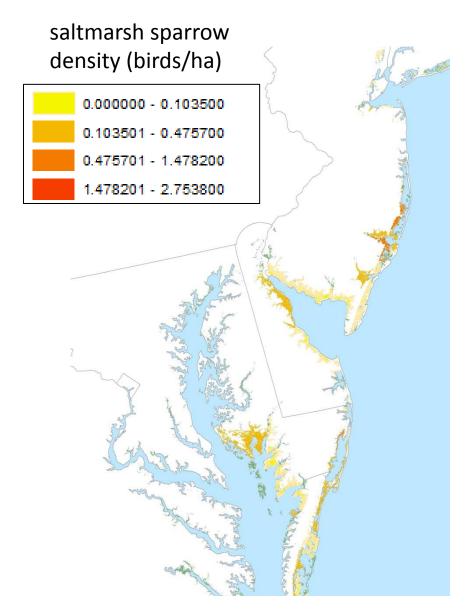


~1700 SHARP survey points



Estimate density in surveyed patches

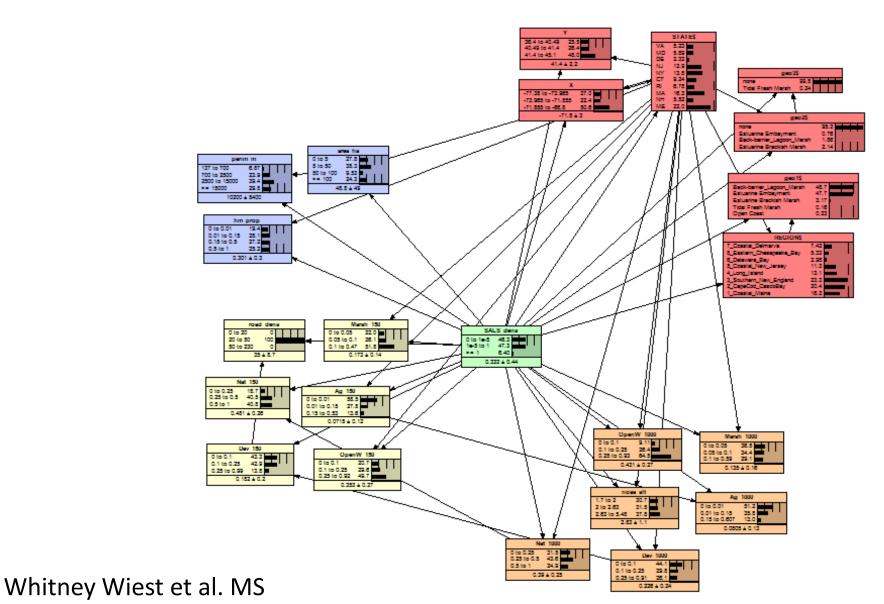
[R – unmarked package]

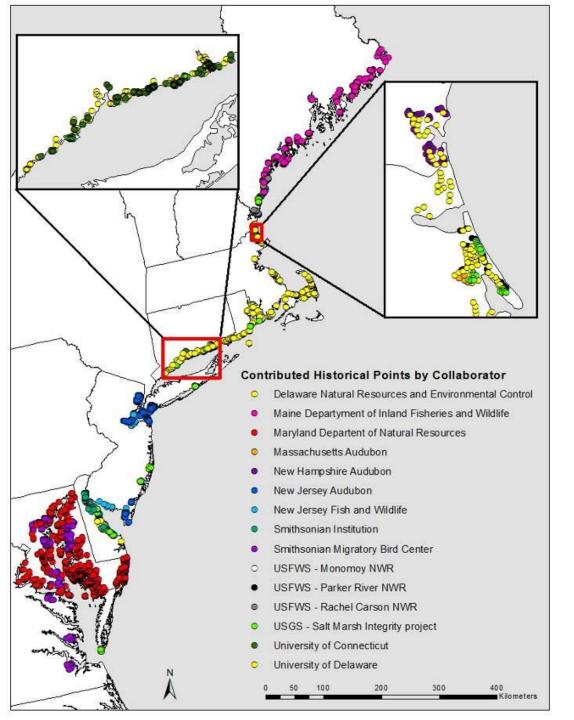




Predict density in un-surveyed patches (and project under sea-level rise)

[Bayesnet – Netica]

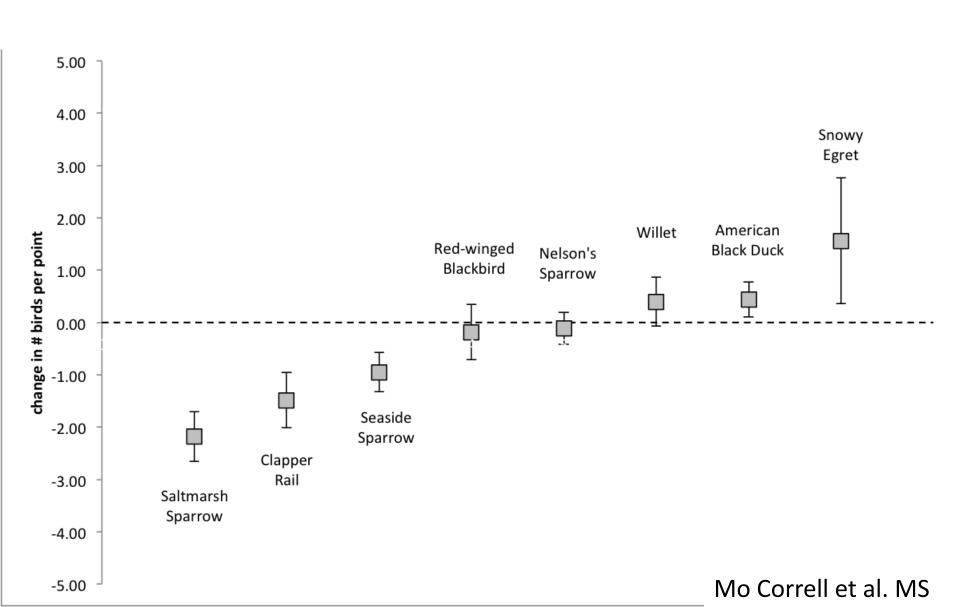




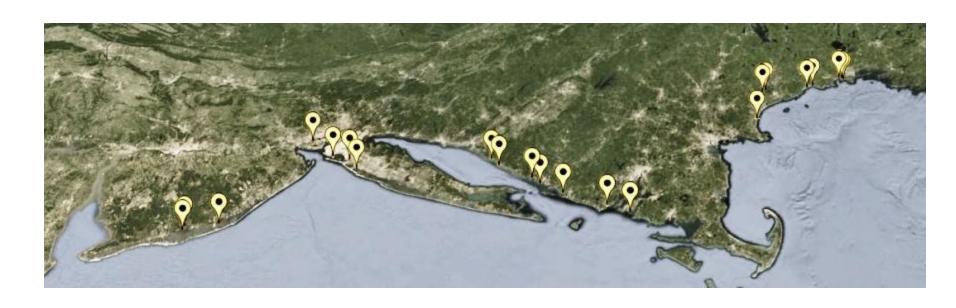
Resurvey of historical points

- 3006 points with historical data
- resampled ~450
- mostly in New England

Estimate population trends for sites with historical data (1990s-present)



SHARP demographic study sites



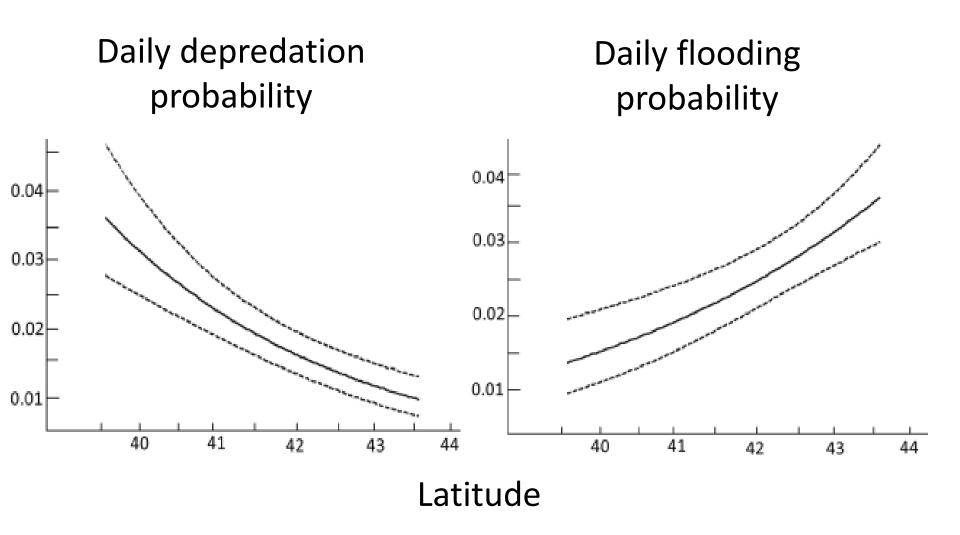
Twenty-three ~10-15 ha plots across 7 states

Measurements from 2011 – 2014

Fecundity data for 6 species

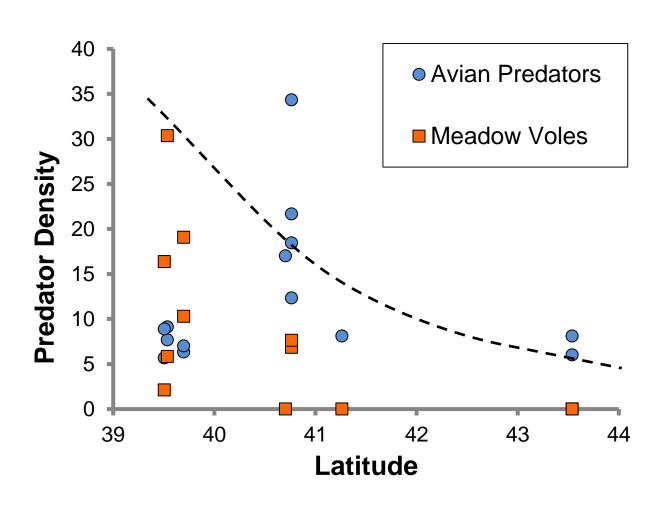
Adult survival estimates for 3 species

Quantify variation in fecundity and causes of nest loss



Kate Ruskin et al. MS

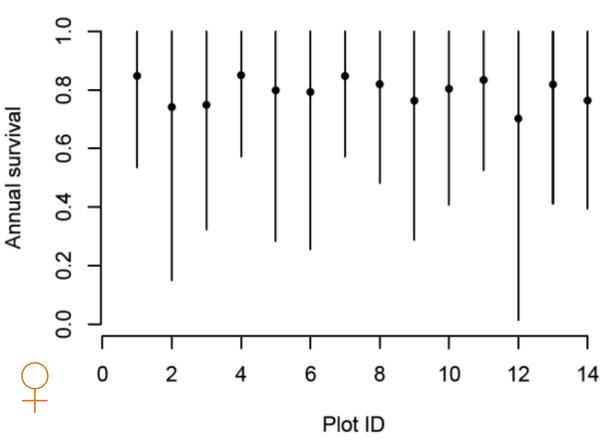
Quantify nest predator communities



Estimate survival rates for three species (2011-2013)

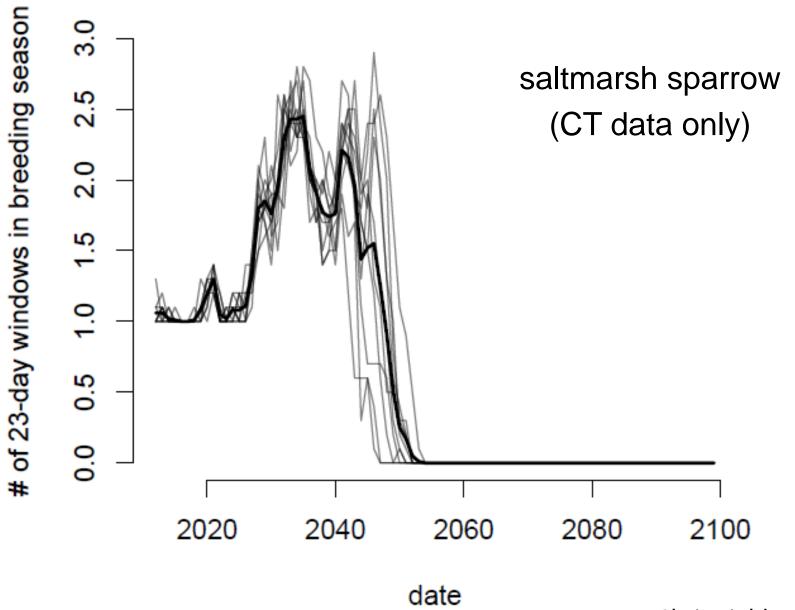
saltmarsh sparrow





Chris Field et al. MS

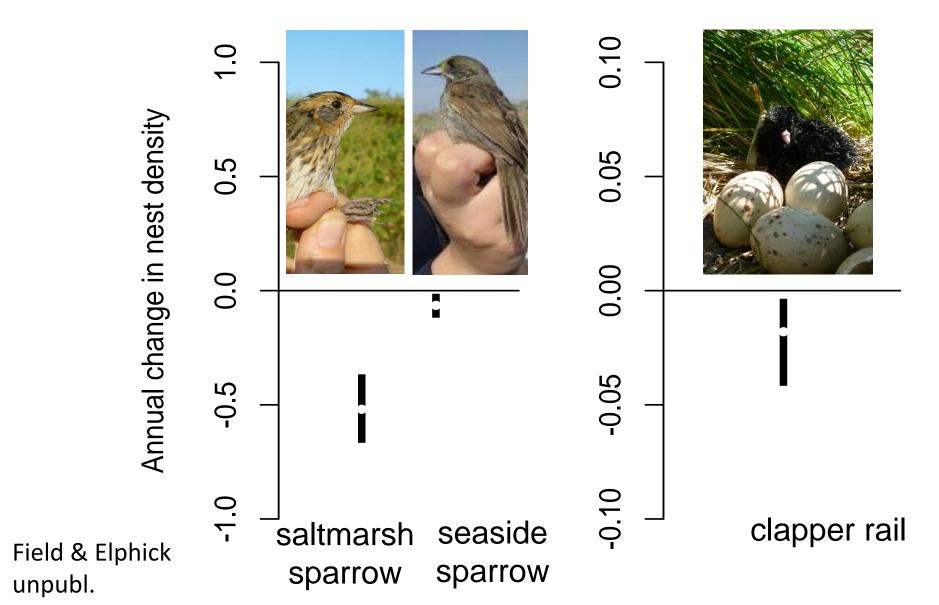
Estimate population viability



Chris Field, unpubl.

Long-term demographic change

(CT data only)



MORE INFORMATION:

http://www.tidalmarshbirds.org/

https://www.facebook.com/TidalMarshBirds

#SHARPbirds



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