



Saltmarsh Habitat & Avian Research Program



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Collaborators:

- Dave Curson (MD Audubon)
- Nick Ernst (RINWR)
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- Kate Iaquinto (MNYNWR)
- Erin King (RINWR, Region 5)
- Kate O'Brien (RCNWR)
- Steve Papa (LINWR)
- Nancy Pau (PRNWR)

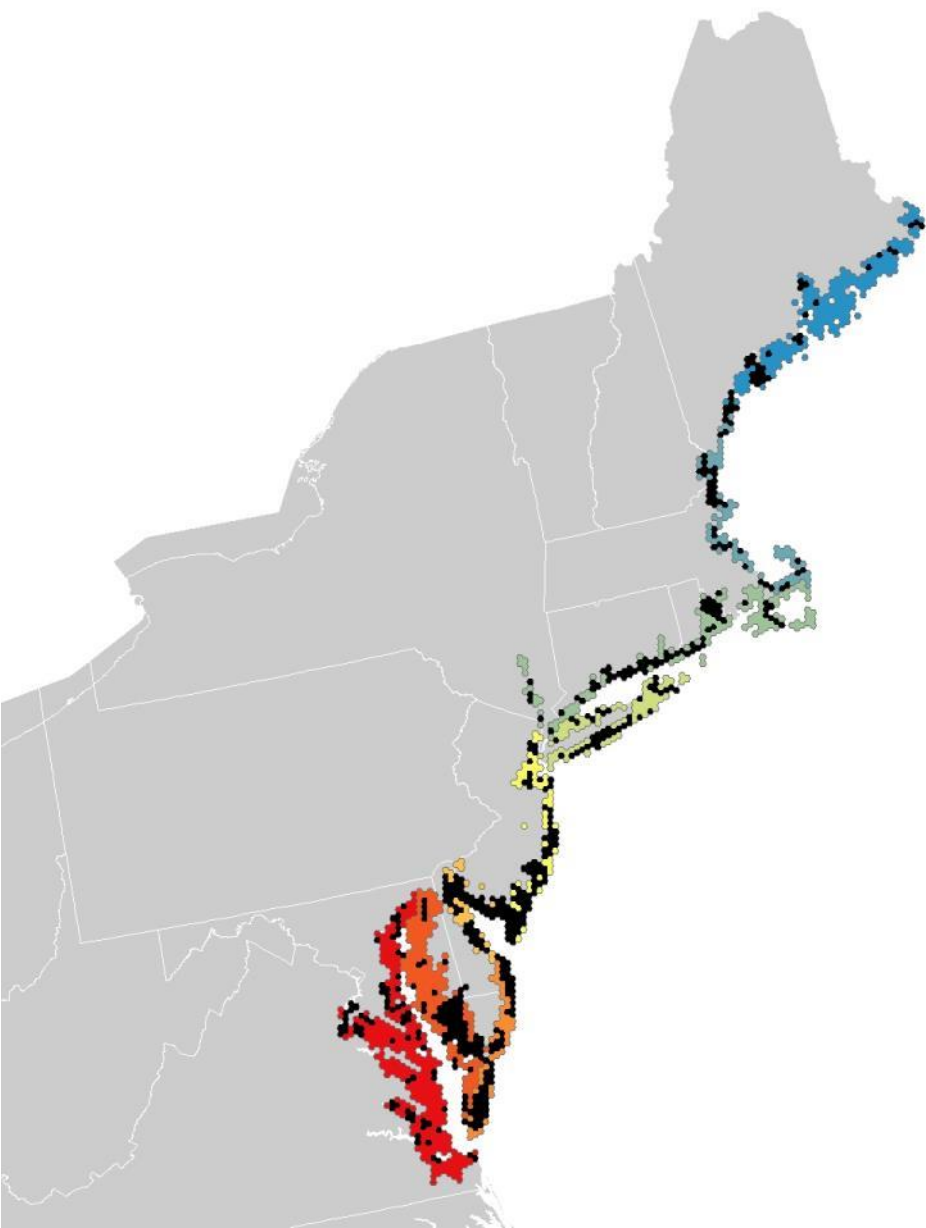
SHARP

Saltmarsh Habitat & Avian Research Program

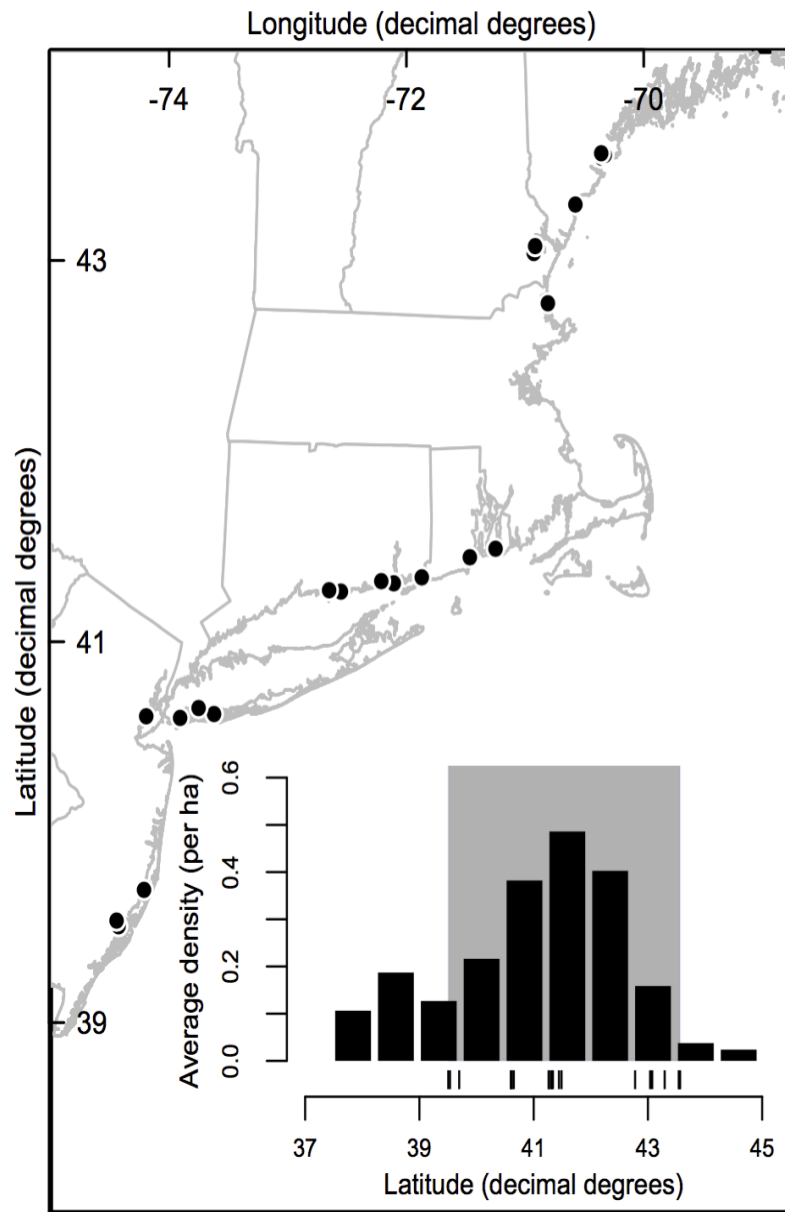
- FWS State Wildlife Grant
- FWS RCN
- FWS – Sandy relief
- FWS refuges
- North Atlantic LCC
- NSF (RAPID, GRFP, IGERT)
- Long Island Sound Study
- CT Sea Grant
- NPS Northeast Coastal and Barrier Network
- Various smaller grants



~1700 survey points

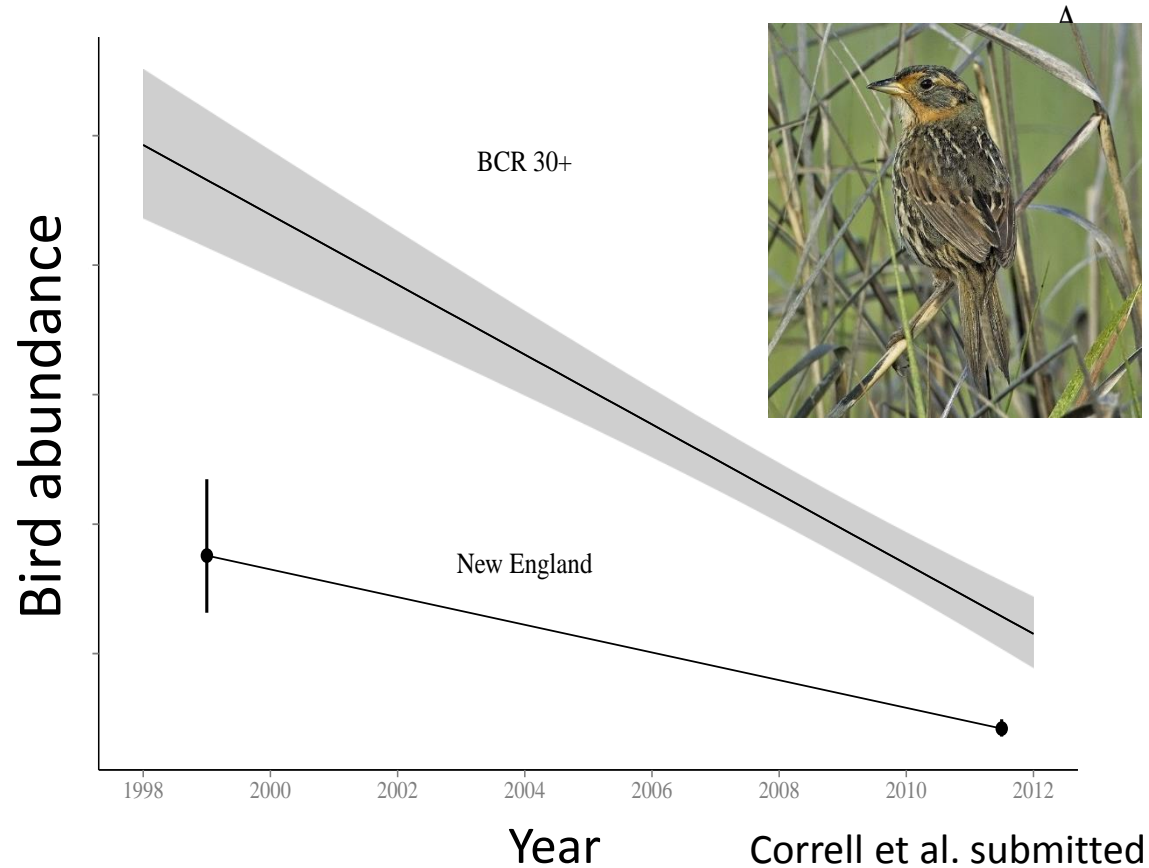
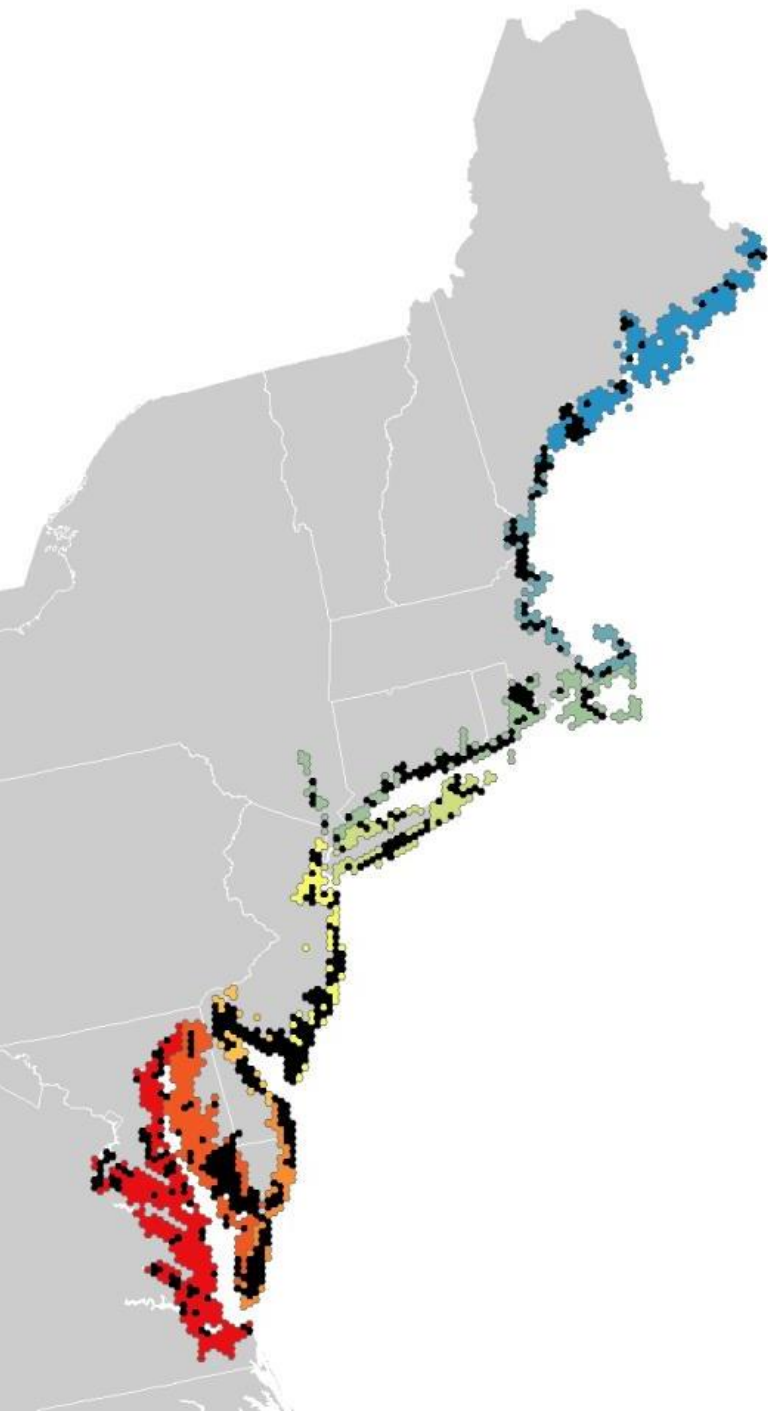


23 demography plots



Bird and vegetation surveys

- population size
- trends (1998-2014)
- hurricane effects



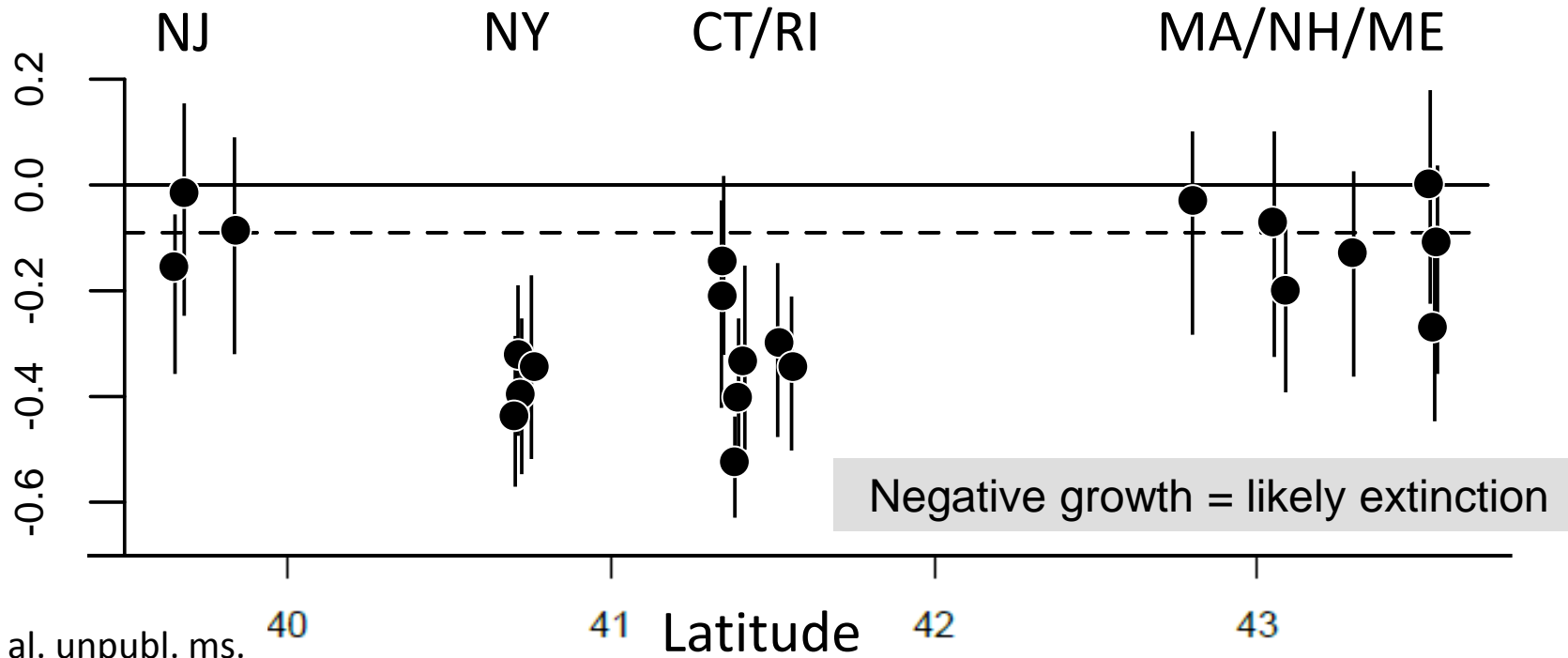
What effects do hurricanes have?

- habitat change (no effect, but SLR does)¹
- bird abundance (no effect)¹
- demography (prelim analysis suggest no effect)²



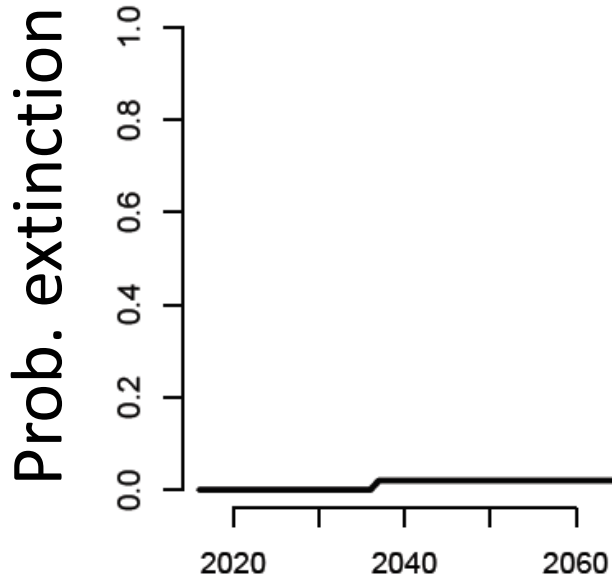
¹Field et al. unpubl. analysis; ²Ruskin et al. unpubl. analysis

Demographic change

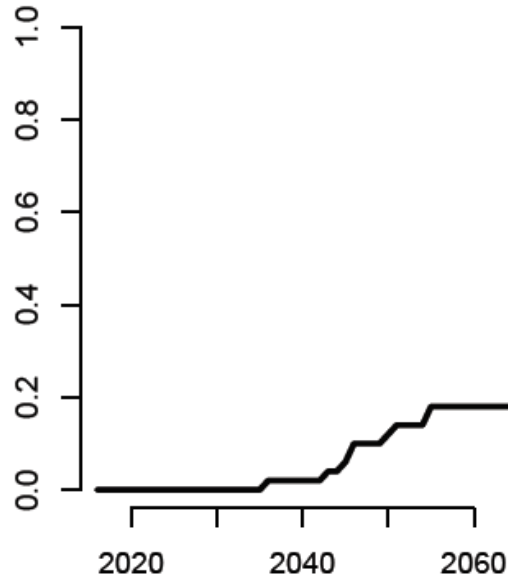


Seaside sparrows likely to follow ...

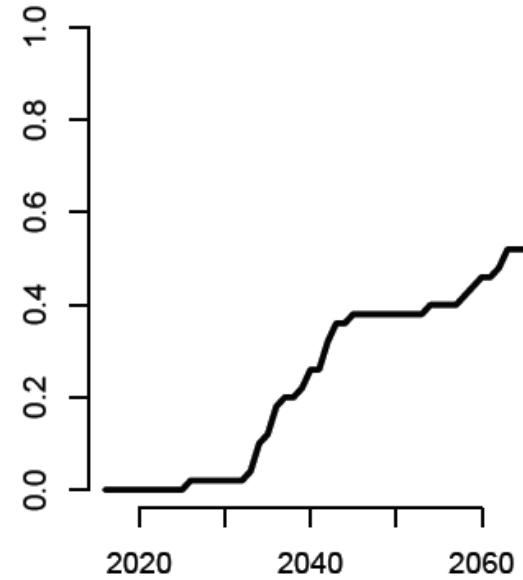
New Jersey



New York



Connecticut

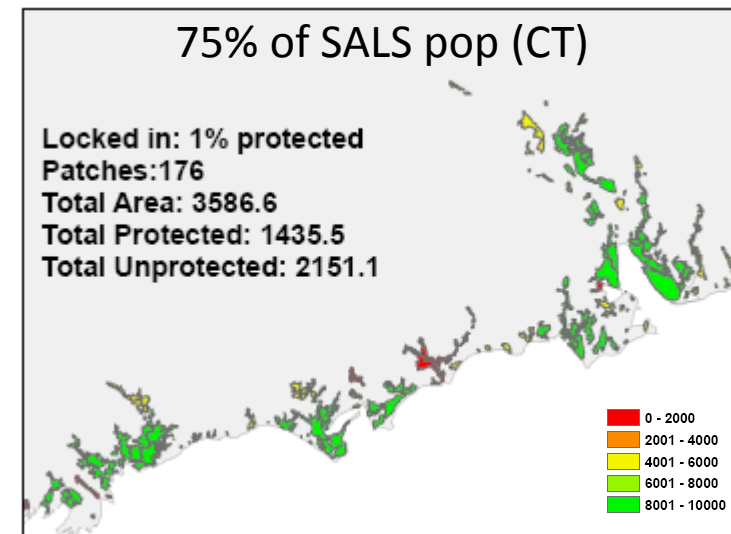
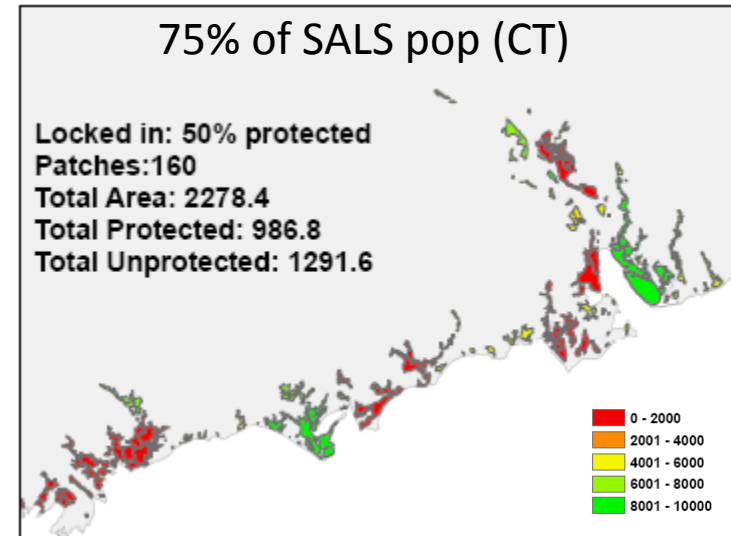


Year

Cost-effective conservation planning

Compare scenarios to identify:

- trade-offs between conservation goals
- most cost-effective solutions for meeting goals
- best current vs future solutions (e.g. accounting for sea-level rise)



<http://www.tidalmarshbirds.org/>

<https://www.facebook.com/TidalMarshBirds>

#SHARPBirds



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SHARP team v1.0