

Monitoring Pribilof Rock Sandpipers on Bering Sea Islands

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Pribilof Rock Sandpiper

(*Calidris ptilocnemis ptilocnemis*)

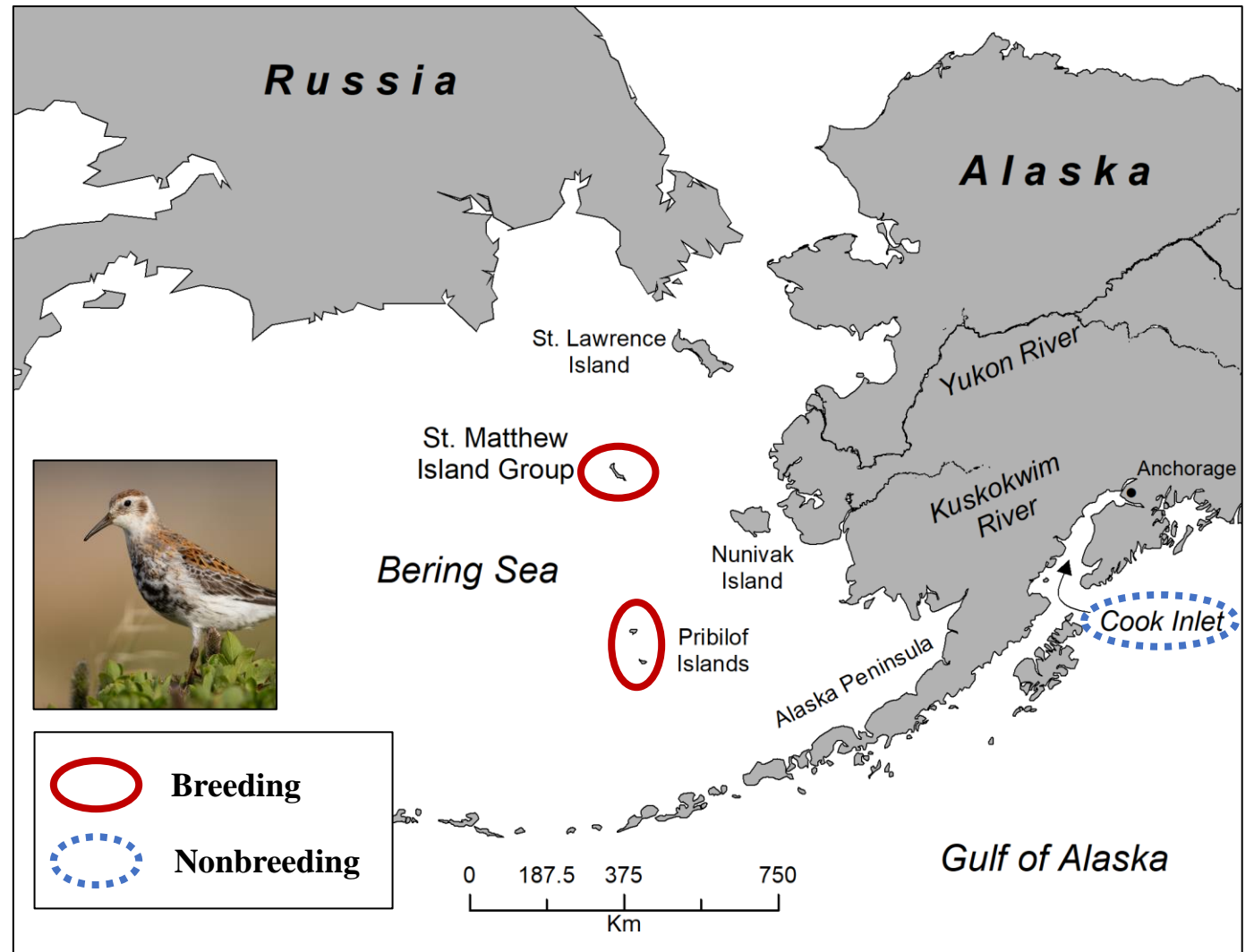
- Endemic to Alaska
- Small and restricted range
- Small population size (< 20,000)
- Subspecies of high conservation concern



Male Pribilof Rock Sandpiper, Photo © Andy Johnson

Range Map

- **Breeding** (531 km²) - St. Matthew, Hall, St. Paul, St. George
 - ✓ 80% of the population breeds on St. Matthew
- **Nonbreeding** (610 km²) - Primarily upper Cook Inlet



Map modified from Figure 1 in Ruthrauff et al. 2012 *The Condor*

Breeding Surveys

St. Paul
(109 km²)

St. George
(90 km²)

St. Matthew/Hall
(332 km²)

2001
published

2019
unpublished

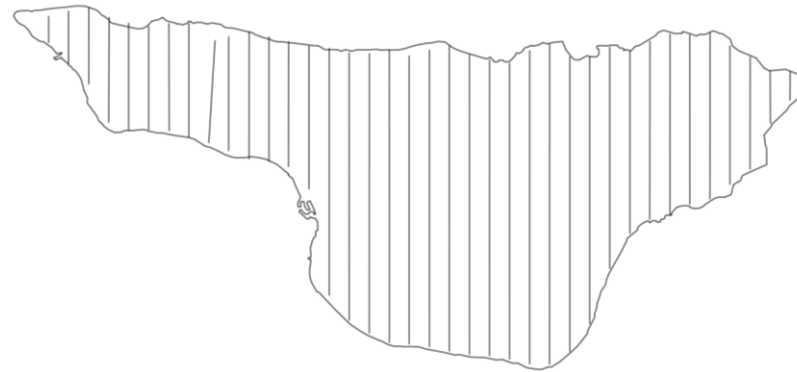
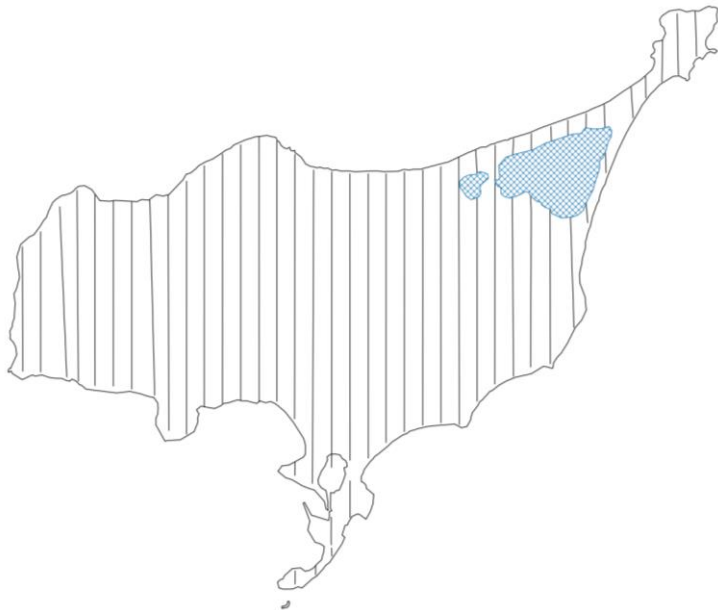
2002
published

2023
unpublished

2003
published

2018
unpublished

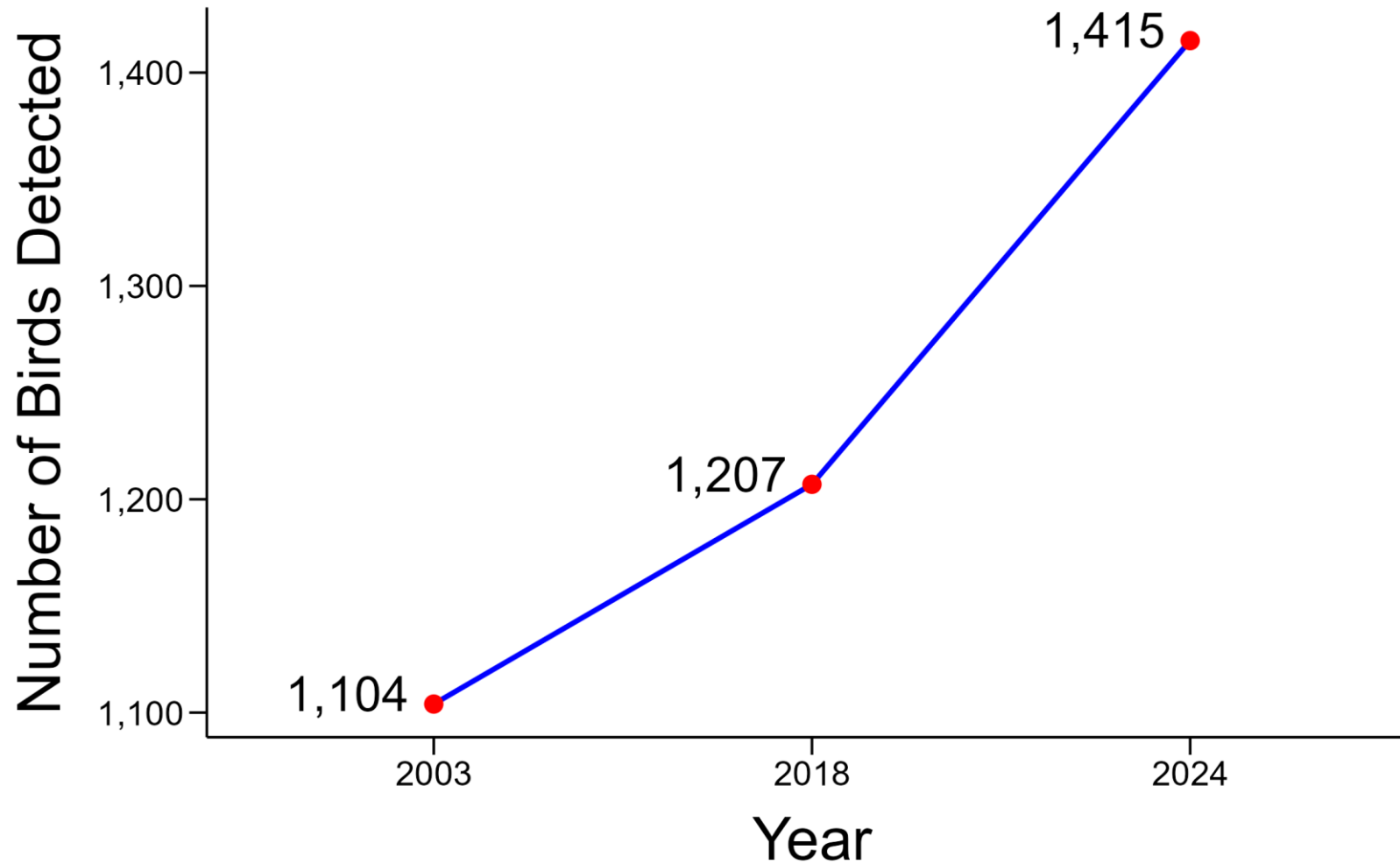
2024
unpublished



 lakes  transects



St. Matthew Island Raw Counts



Preliminary Information – Subject to Revision. Not for Citation or Distribution.

Next Steps

- Account for imperfect detection
- Estimate abundance and change in population size
- Identify and map key habitats and areas with population declines or increases



Female Pribilof Rock Sandpiper, Photo © Rachel Richardson

Thank You Bird Surveyors!

2001: M. Dementyev, B. Gill,
L. Tibbitts, P. Tomkovich

2002: M. Dementyev, B. Gill,
D. Ruthrauff, L. Tibbitts

2003: J. Johnson, M. Litzow,
S. Matsuoka, D. Ruthrauff

2018: T. DeGange, B. Gill, J. Johnson,
S. Matsuoka, R. Richardson,
B. Robinson, M. Romano,
S. Walden

2019: T. DeGange, L. McDuffie,
R. Richardson, S. Tanedo

2023: R. Richardson, D. Ruthrauff

2024: E. Allaby, S. Matsuoka,
L. McDuffie, L. Naves,
H. Renner, R. Richardson,
M. Rustand, D. Ruthrauff



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