

Seasonal Variation in Marine Birds Across the North Pacific

William J. Sydeman, Jarrod A. Santora and Michael F. Henry

Farallon Institute
PO Box 750756, Petaluma, CA 94975
www.faralloninstitute.org



Methods and Materials

- Marine birds and mammals surveyed from Vessel of Opportunity, *TV Skaubryn*, from June 2002 to June 2007
- MFH recorded all observations of birds within 400m of the vessel along ~7500 km transect
- April (black), June (red) and October (green) distribution and abundance mapped using GIS/ARCI NFO 9.0.
- “Expanding bubble” plots show: (i) effort – denoted by “x” as 0 density, (ii) natural breaks in density estimates (no./km²) for each species

Acknowledgements

- Funding provided by NPRB, projects 206, 409, 611, and 801; Clarence Pautzke, Francis Wiese, and Carrie Eischens
- David Hyrenbach, Ken Morgan, and Sonia Batten: co-PIs and collaborators
- Donors of the Farallon Institute









































