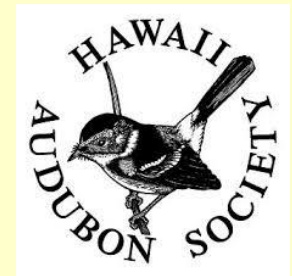# Shearwater Soiree - 2014

# The Freeman Seabird Preserve

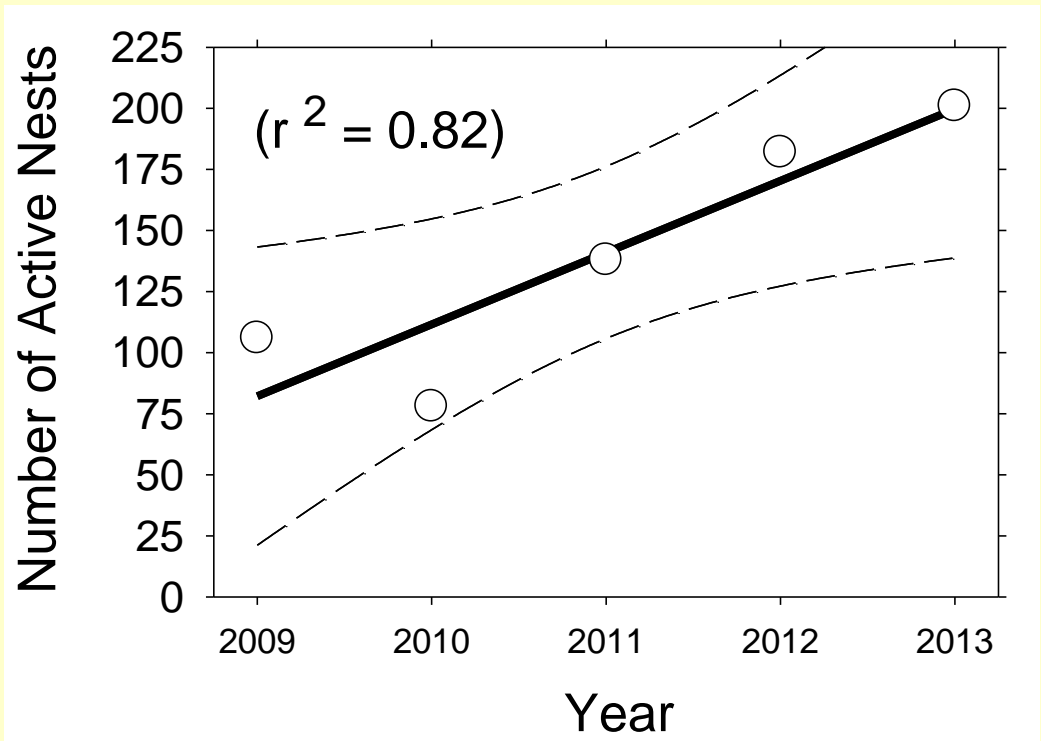# The Freeman Seabird Preserve

# 2013 Monitoring – Summary

**Five Years of Wedge-tailed Shearwater Monitoring and Habitat Restoration at the Freeman Seabird Preserve: 2009 - 2013**

By K. David Hyrenbach, Associate Professor of Oceanography, Hawai'i Pacific University, khyrenbach@hpu.edu
Wendy Johnson, Hawai'i Audubon Society Executive Director

➤ July 14 census:
201 nests

➤ Colony growth:
27 nests / year

(~ 25% per year)



$(r^2 = 0.82)$

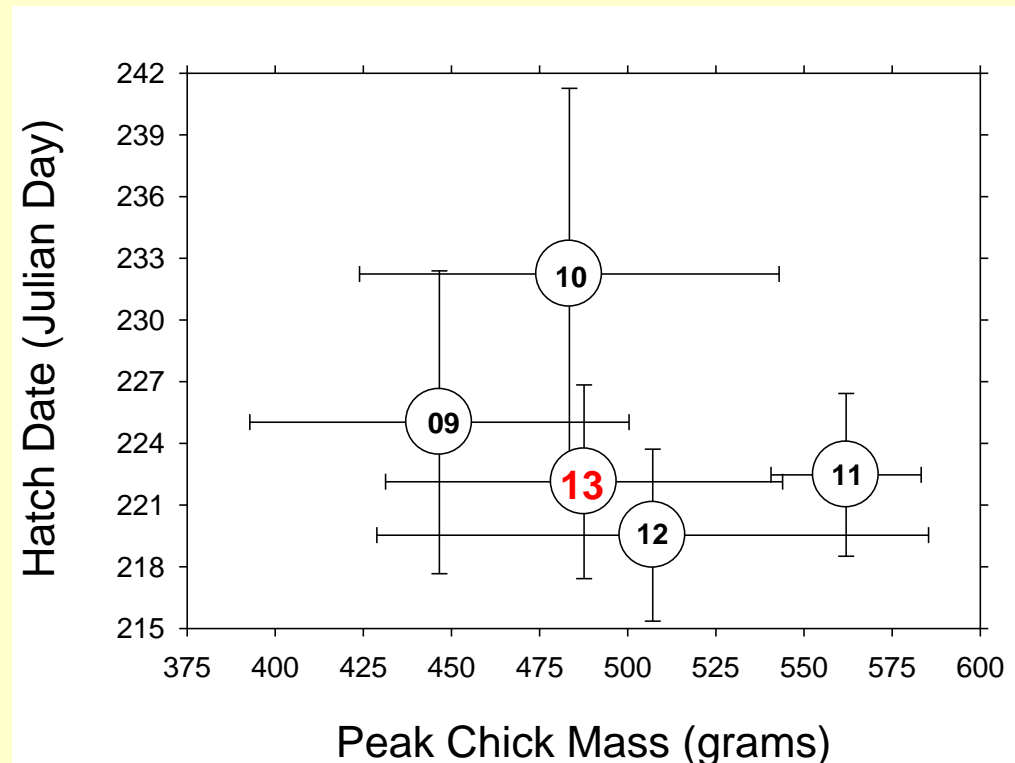# 2013 Monitoring – Summary

## Five Years of Wedge-tailed Shearwater Monitoring and Habitat Restoration at the Freeman Seabird Preserve: 2009 - 2013

By K. David Hyrenbach, Associate Professor of Oceanography, Hawai'i Pacific University, khyrenbach@hpu.edu
Wendy Johnson, Hawai'i Audubon Society Executive Director

➤ Marked 34 nests in mid July

➤ Followed through late November

(A) Hatching date:
   mean: August 10

(B) peak chick mass:
   range: 320 – 572 g

# Jan – March 2014:  Weeding / Planting

# January – March 2014:  Weeding / Planting

➢ Built 45 nests with roof tiles

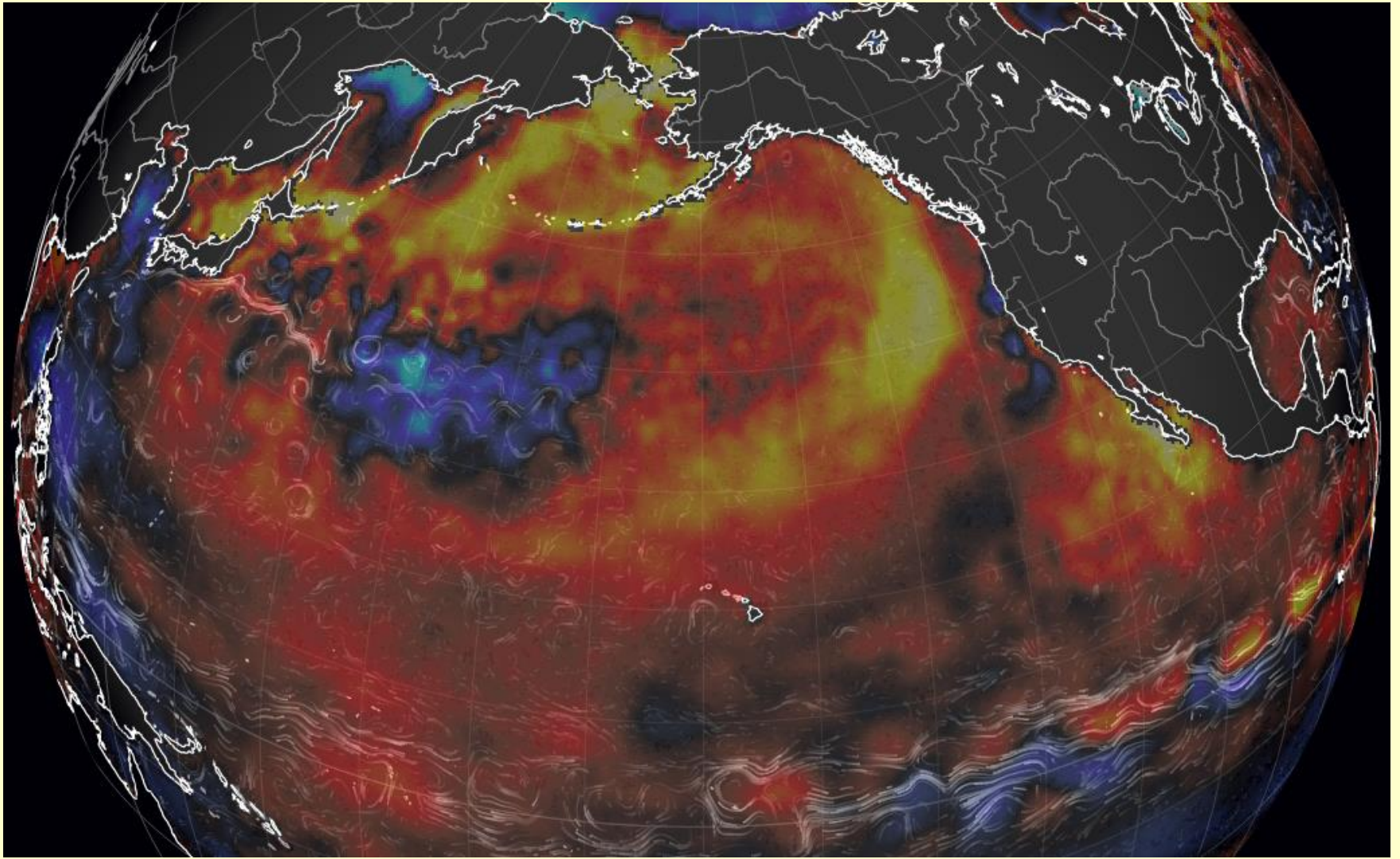➢ Planted Naupaka for shade

Re-use Hawai'i

# March – April 2014: Birds Returned

# April – June 2014: Lots of Birds !!!

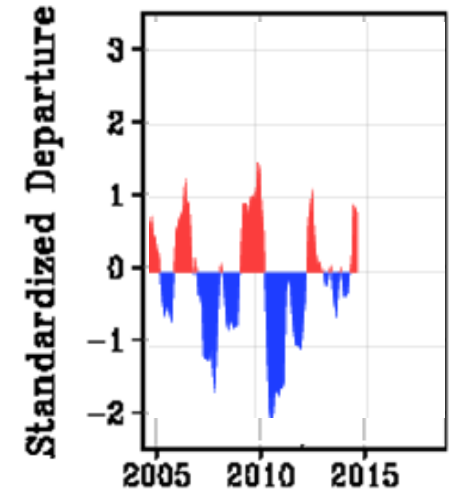# 2014 Expectations



El Niño:  Anomalous Weather and Ocean Conditions

# 2014 Expectations



Anticipated Shearwater Responses

    -  delayed laying and hatching

    -  lower peak chick masses
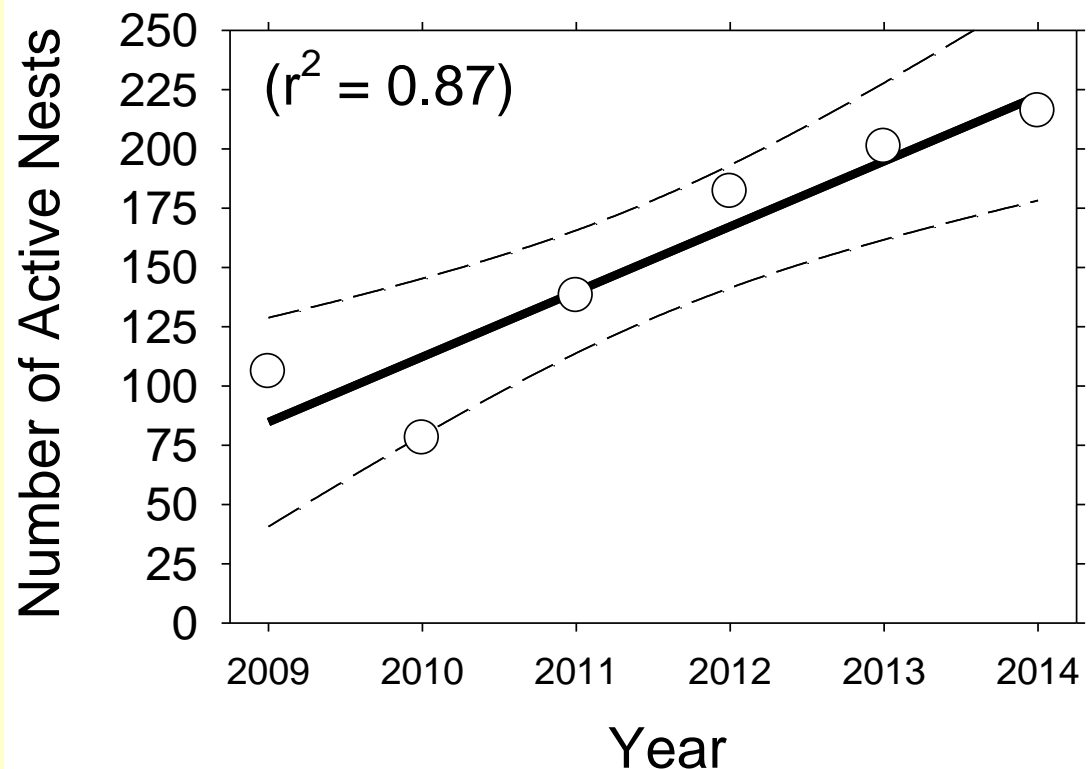
Monitoring through November

    -  first egg:  June 6

    -  first chick:  July 25
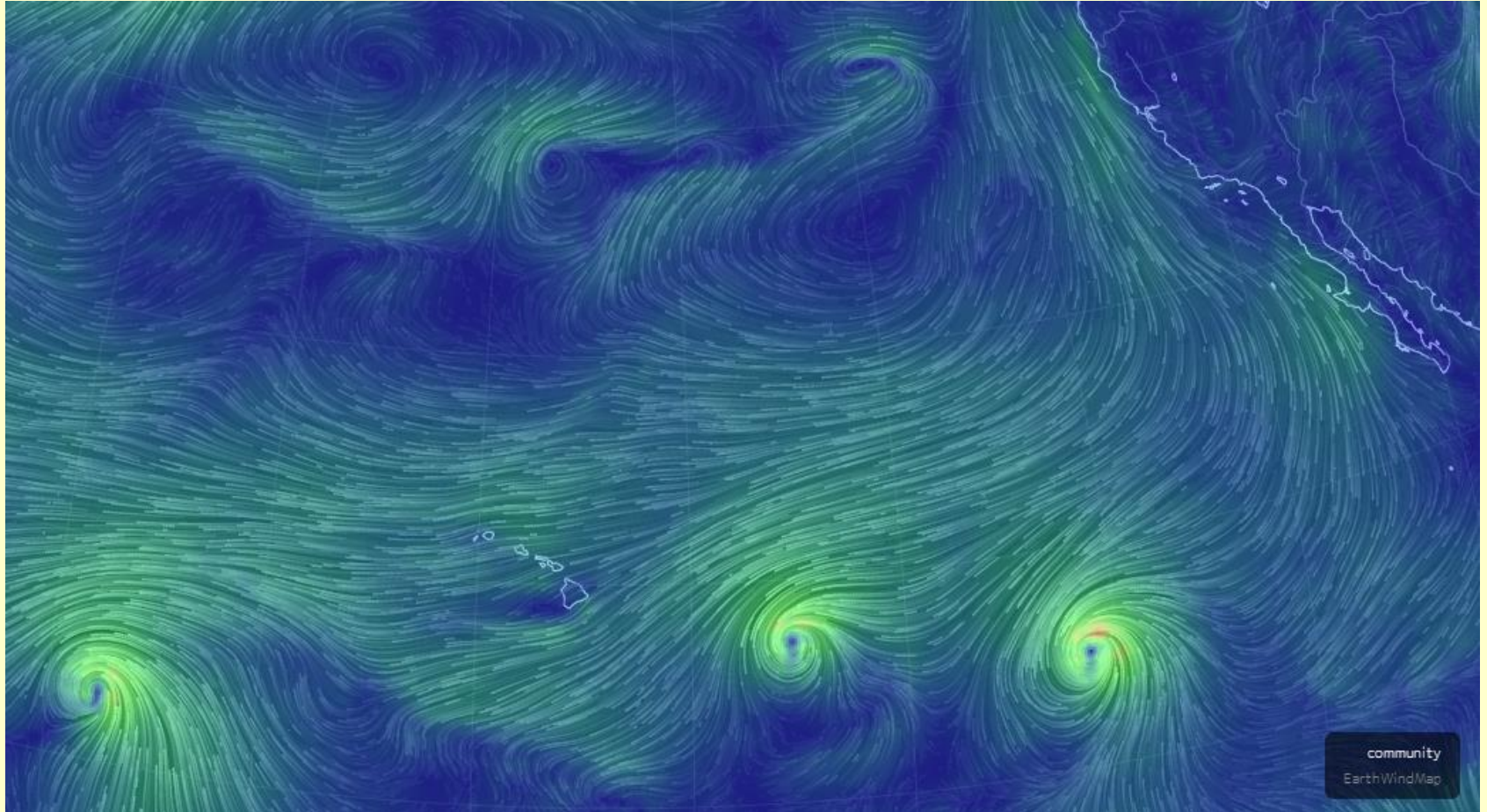
# Sixth Annual Colony Census (July 14)



➤ Census:   216 nests

➤ New Colony Record



$(r^2 = 0.87)$

Number of Active Nests vs. Year

# Turbulent Summer

# Keeping an Eye on the Preserve

# Spying on the Birds

# Keep your eye on the Birds



https://www.facebook.com/FreemanSeabirdPreserve

# Thanks

To all who have contributed to the restoration of the Freeman Seabird Preserve

To the birds