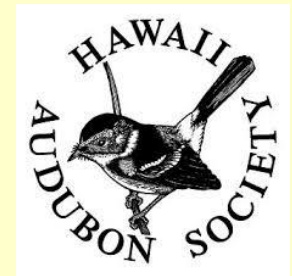


Shearwater Soiree - 2014



The Freeman Seabird Preserve



The Freeman Seabird Preserve



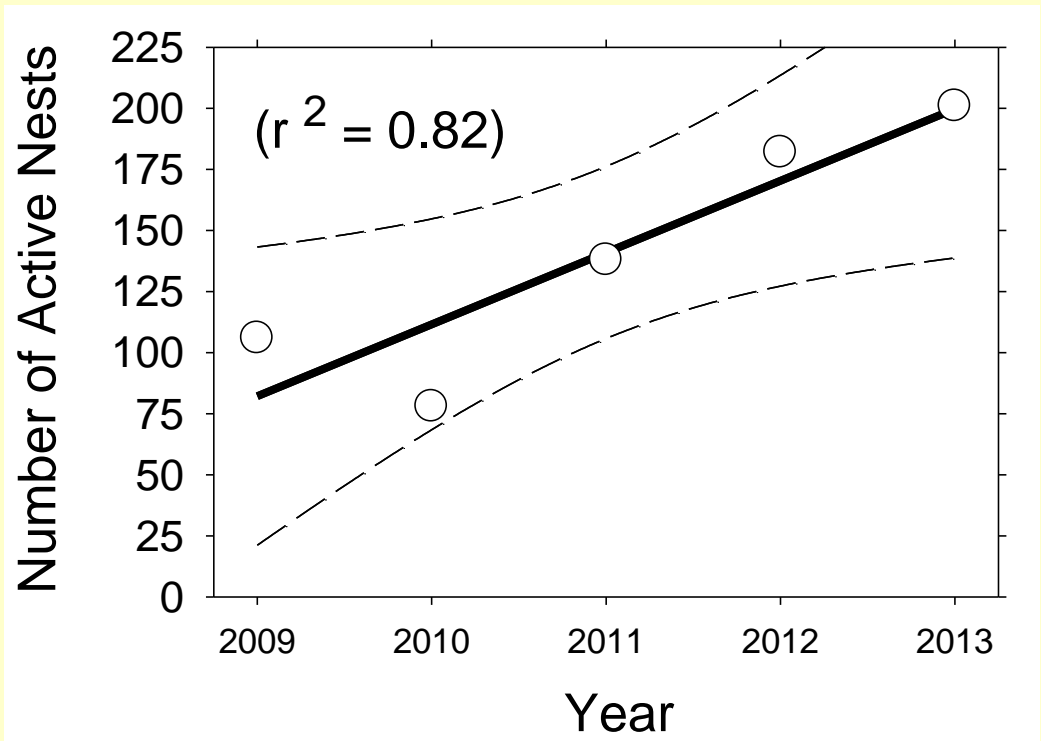
2013 Monitoring - Summary

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)



2013 Monitoring - Summary

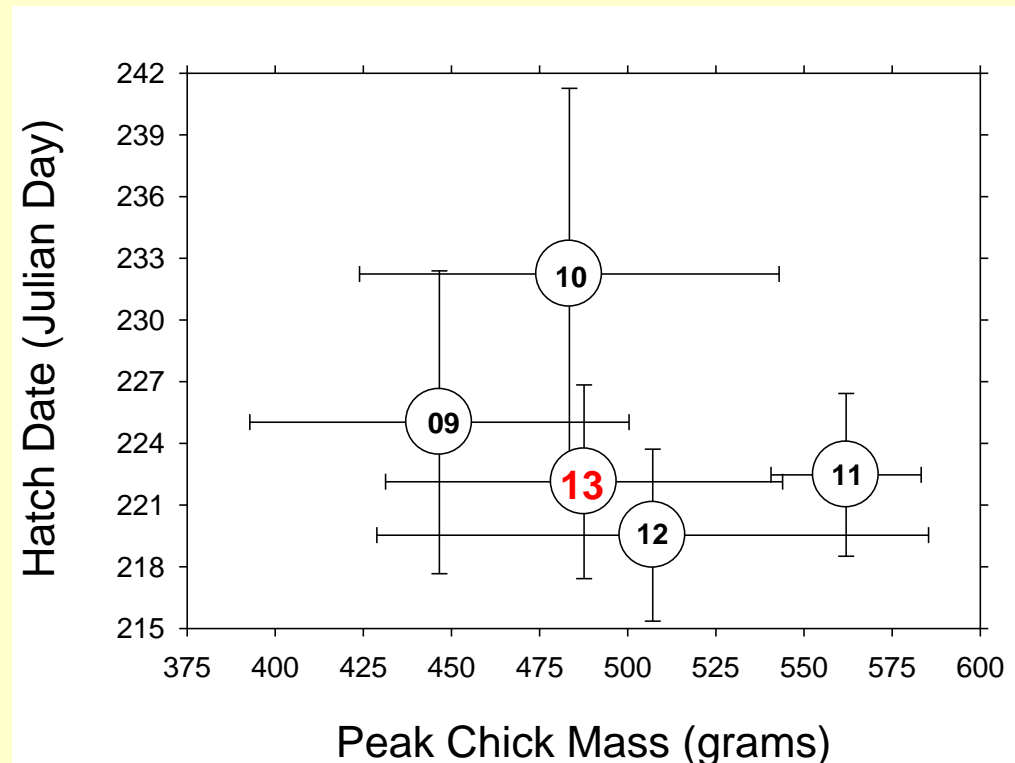
Five Years of Wedge-tailed Shearwater Monitoring and Habitat Restoration at the Freeman Seabird Preserve: 2009 - 2013

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



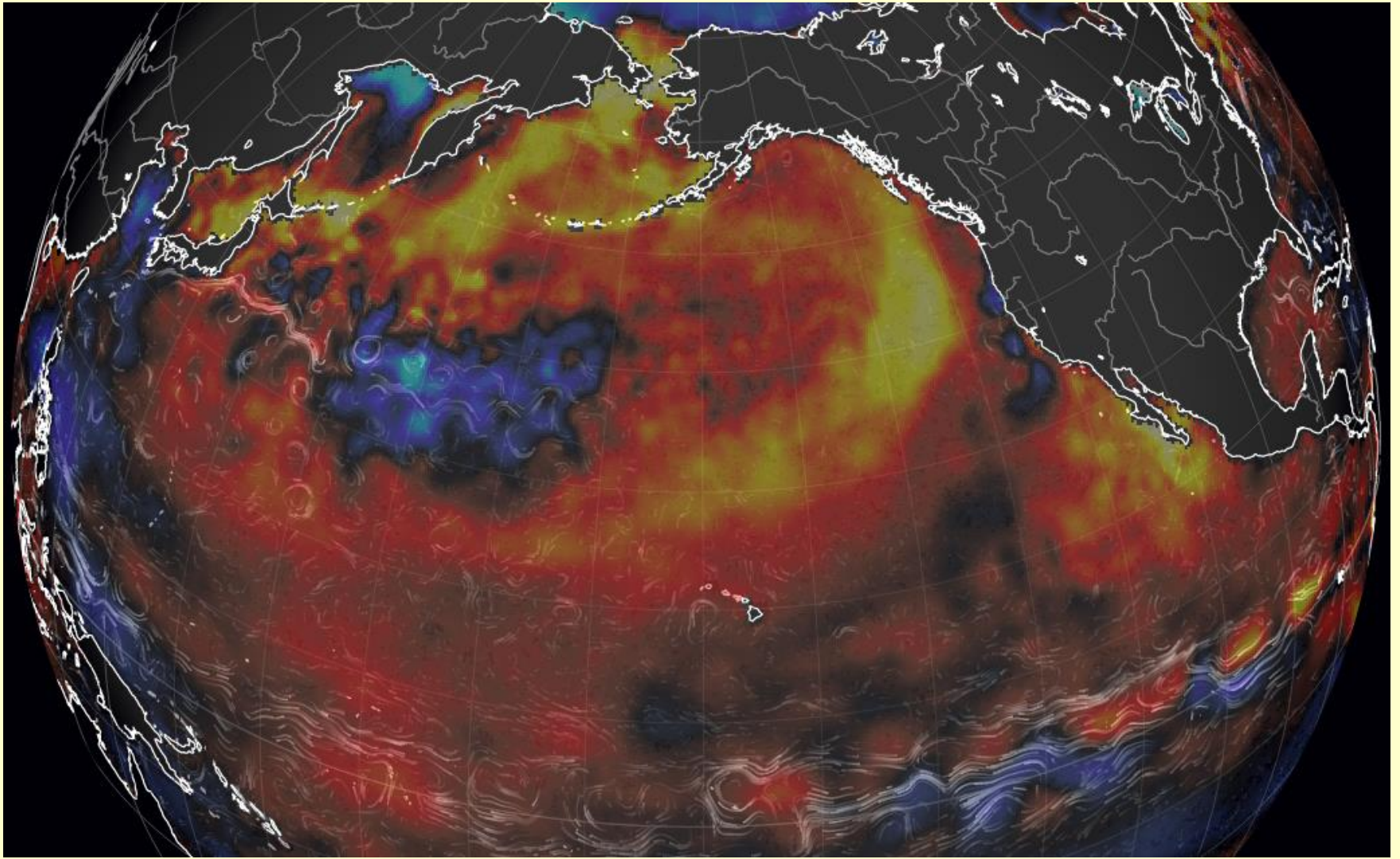
March - April 2014: Birds Returned



April - June 2014: Lots of Birds !!!



2014 Expectations

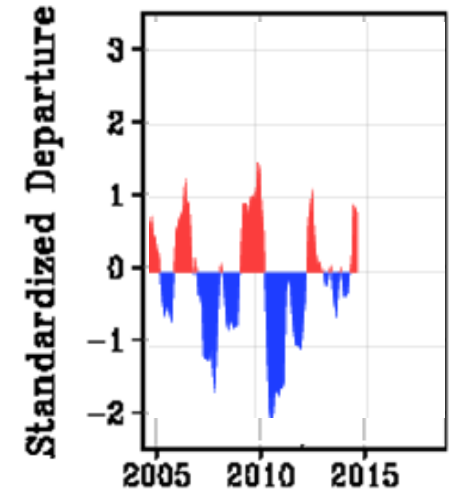


El Niño: Anomalous Weather and Ocean Conditions

2014 Expectations

Anticipated Shearwater Responses

- delayed laying and hatching
- lower peak chick masses



Monitoring through November

- first egg: June 6
- first chick: July 25

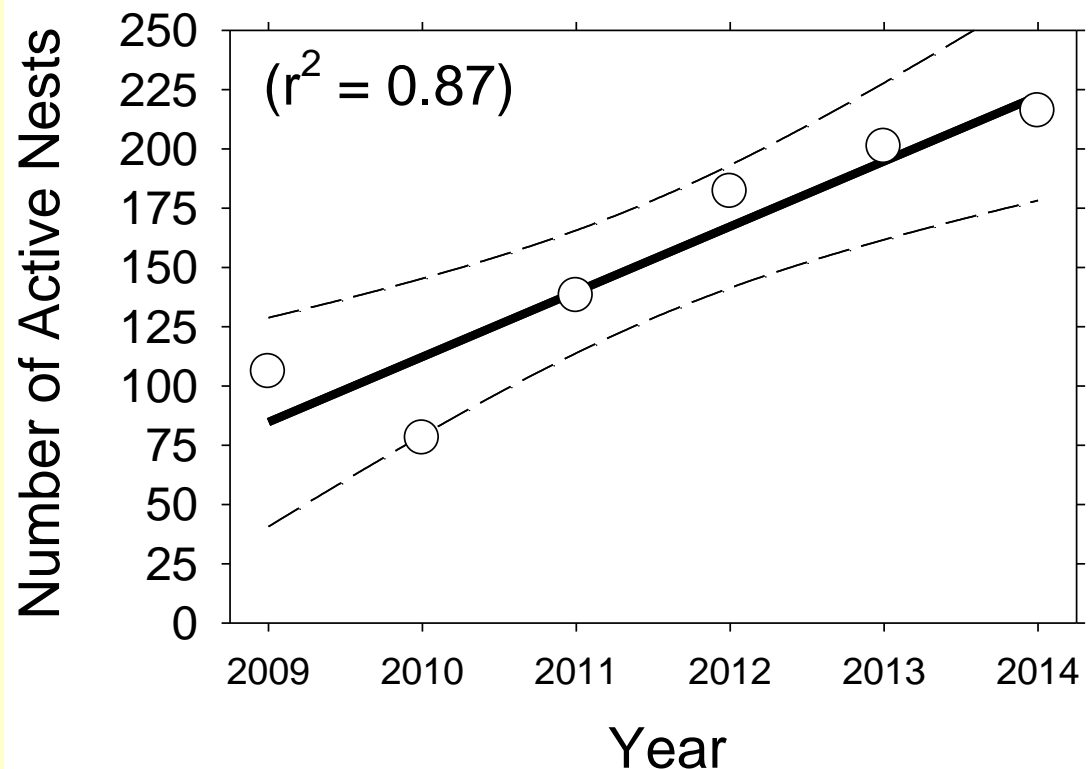


Sixth Annual Colony Census (July 14)

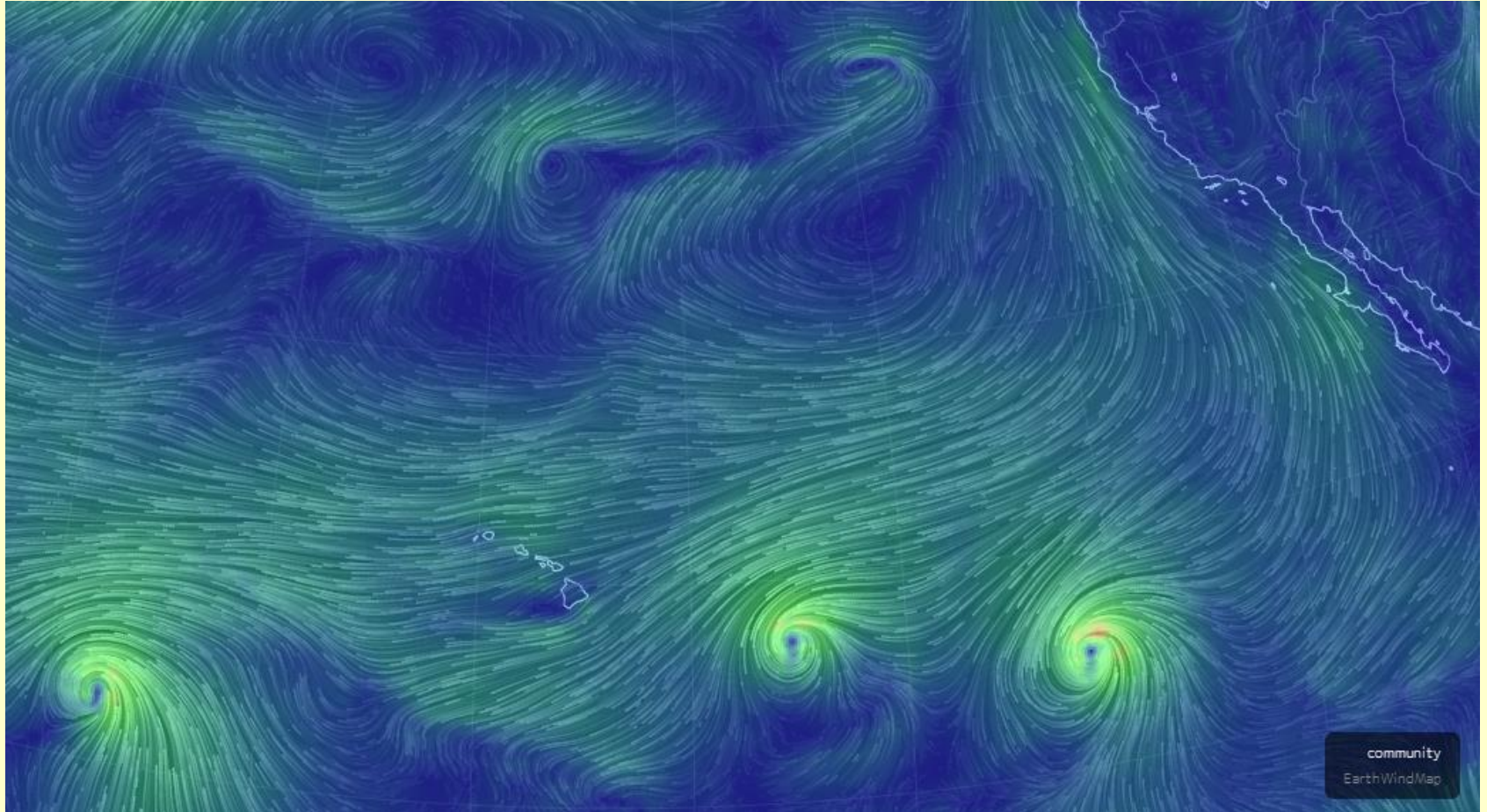


➤ Census: **216 nests**

➤ New Colony Record



Turbulent Summer



<http://earth.nullschool.net/>

Keeping an Eye on the Preserve



Spying on the Birds



Keep your eye on the Birds

The image is a screenshot of the Freeman Seabird Preserve Facebook page. At the top, the navigation bar includes the Facebook logo, a search bar with 'Freeman Seabird Preserve', and links to 'Freeman Seabird Preserve', 'Home', and a notification bell with a red '7'. Below the navigation bar, the page tabs are 'Page', 'Activity' (with a red '7'), 'Insights', and 'Settings'. On the right, there are links for 'Build Audience' and 'Help'. The main content area features a large cover photo of a coastal landscape with a house on a hill and the ocean. Overlaid on the bottom left of the cover photo is a profile picture of a blue bird. The page name 'Freeman Seabird Preserve' and the category 'Wildlife Sanctuary' are displayed below the cover photo. To the right of the name are buttons for '+ Follow', 'Share', and a menu icon. Below the cover photo, there are tabs for 'Timeline', 'About', 'Photos', 'Reviews', and 'More'. On the right side of the page, there is a summary section titled 'THIS WEEK' showing '0 Page Likes', '2 Post Reach', 'UNREAD' notifications, '7 Notifications', and '0 Messages'. Below this is a 'Recent' section with a list of years: '2014', '2013', and 'Founded'. At the bottom left, under the 'PEOPLE' tab, it shows '136 likes' and '18 visits'. The main post area shows a 'Status' tab selected, with a photo of a bird and the text 'What have you been up to?'.

Freeman Seabird Preserve

Wildlife Sanctuary

136 likes
18 visits

What have you been up to?

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

Thanks

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

To the birds

