

# Pacific Fisheries Management Council

## September 16, 2016

### Boise, Idaho



Dr. Jeff Boehm  
The Marine Mammal Center



# Overview

- Ocean conservation through marine mammal rehabilitation, research, and education
- 41 years and more than 20,000 marine mammal patients treated
- 65 staff and 1,200 volunteers
- 85% of funds from private sources



# California Marine Mammal Stranding Network

Northcoast Marine Mammal Center

The Marine Mammal Center

Channel Islands Marine Wildlife Institute

California Wildlife Center

Marine Mammal Care Center at Fort MacArthur & Marine Animal Rescue

Pacific Marine Mammal Center

Sea World California



# Medical Conditions



Malnutrition  
Toxicity  
Infection  
Cancer  
Entanglement  
Maternal separation  
Gunshot/Shark bite

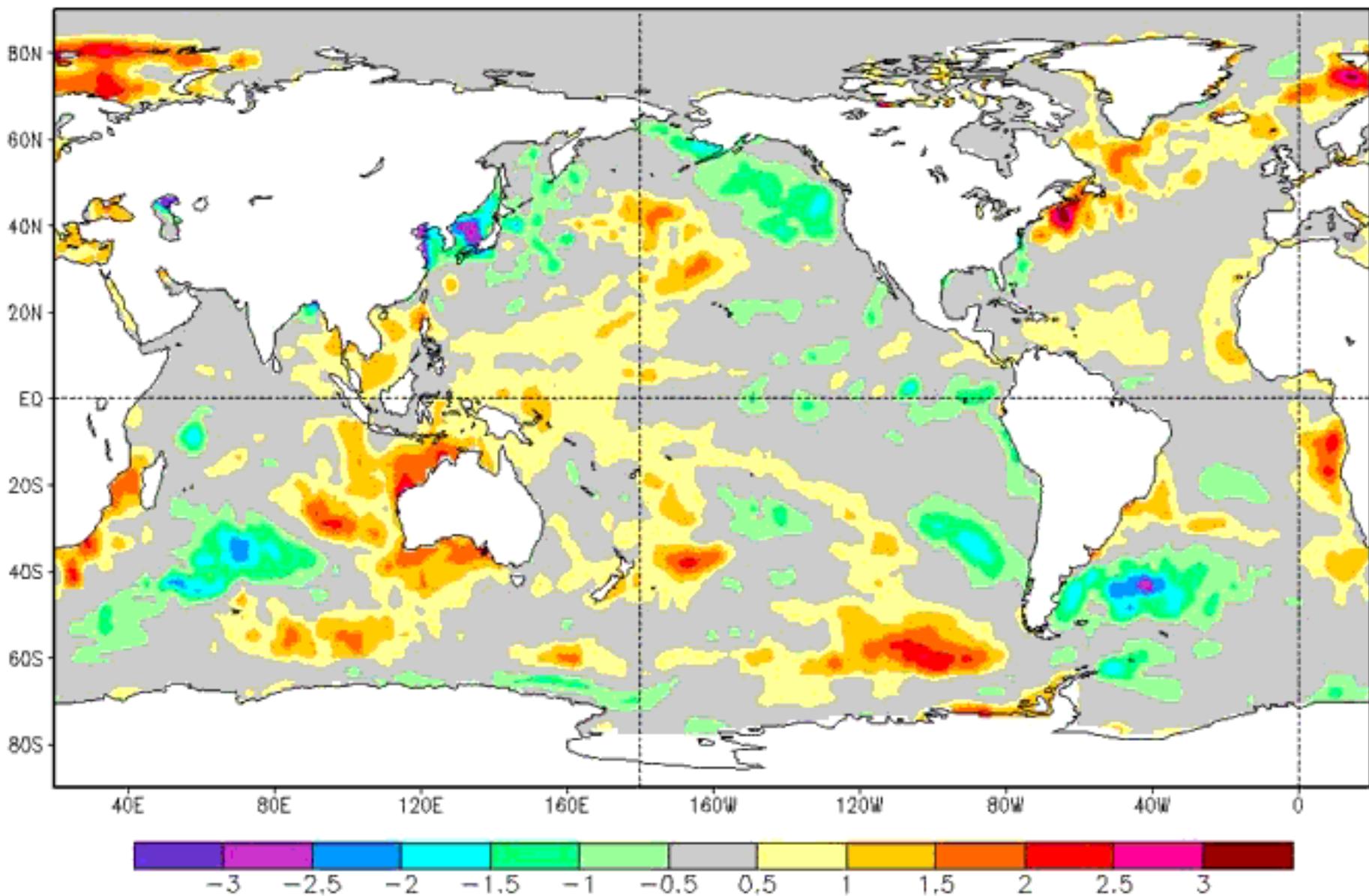


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Mammal Center™

# 2015 Sea Lion Crisis



Sea Surface Temperature Anomaly ( $^{\circ}\text{C}$ ), Base Period 1971–2000  
Week of 2 JAN 2013



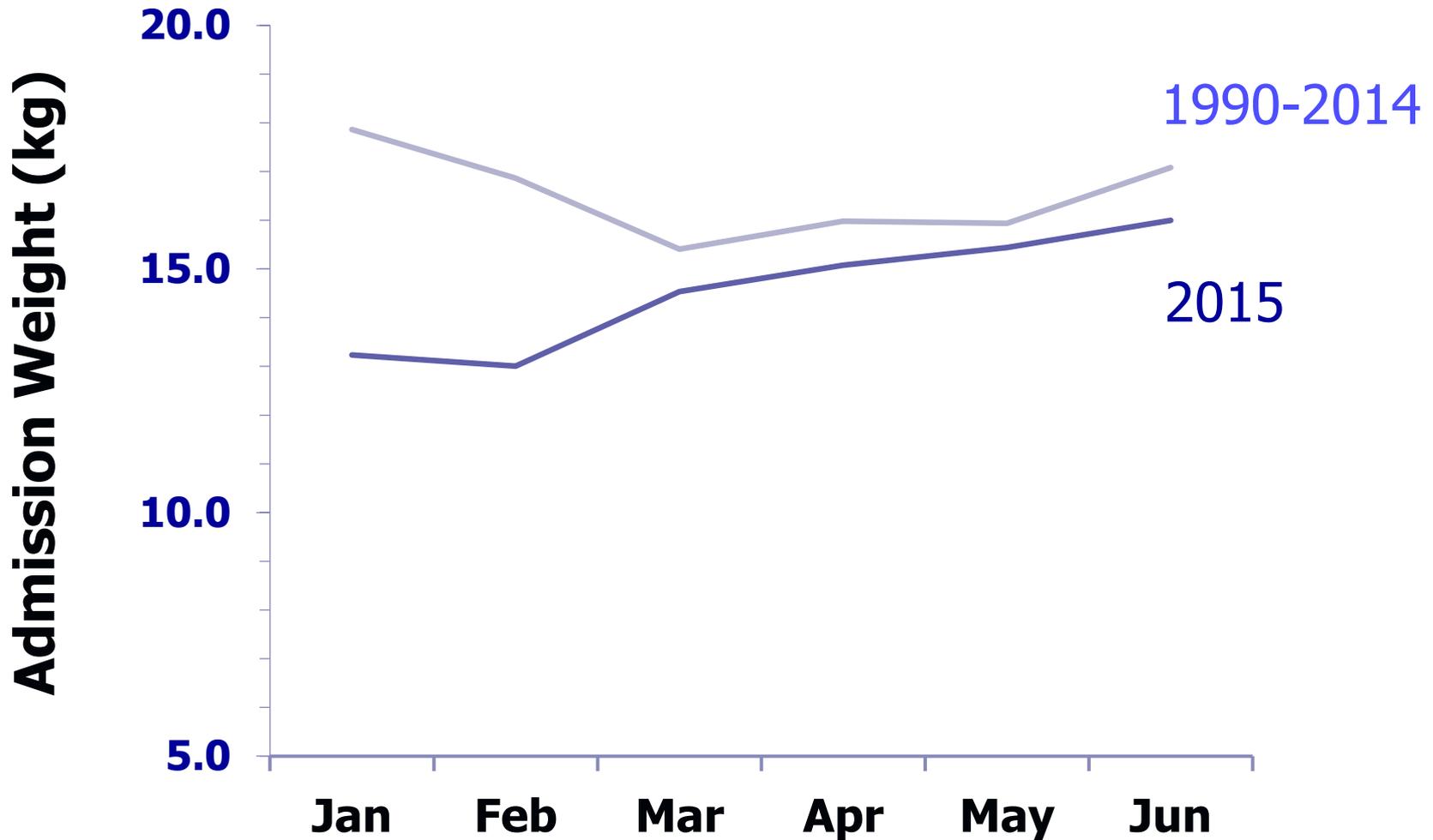
# 2015 Recap



- 3,500 pups
- 1,300 at TMMC
- More than 2X the typical total for all species
- Food availability in the vicinity of Channel Islands
- NOAA-declared Unusual Mortality Event (UME)



# California Sea Lion Pup and Yearling Weights in 2015 Compared to Mean for Previous 25 years







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