

Pacific Fisheries Management Council

November 19, 2016

Garden Grove, California



Dr. Jeff Boehm
The Marine Mammal Center

Medical Conditions Treated



Malnutrition
Toxicity
Infection
Cancer
Entanglement
Maternal separation
Gunshot/Shark bite

Forage in focus: Pinnipeds in Crisis



California Sea Lions



Forage in focus: California Sea Lions

- An on-going investigation into a significant mortality event since 2013
- Female sea lions giving birth to underweight pups and unable to rear them
- Thousands of pups stranding annually, swamping rehab centers
- A resource issue: females unable to source nearby fish to sustain them
- **Fishery depletion** exacerbated by **ocean temperature change** in the face of **climbing sea lion populations**

Jeff Boehm, DVM - Executive Director, Marine Mammal Center

Guadalupe Fur Seals

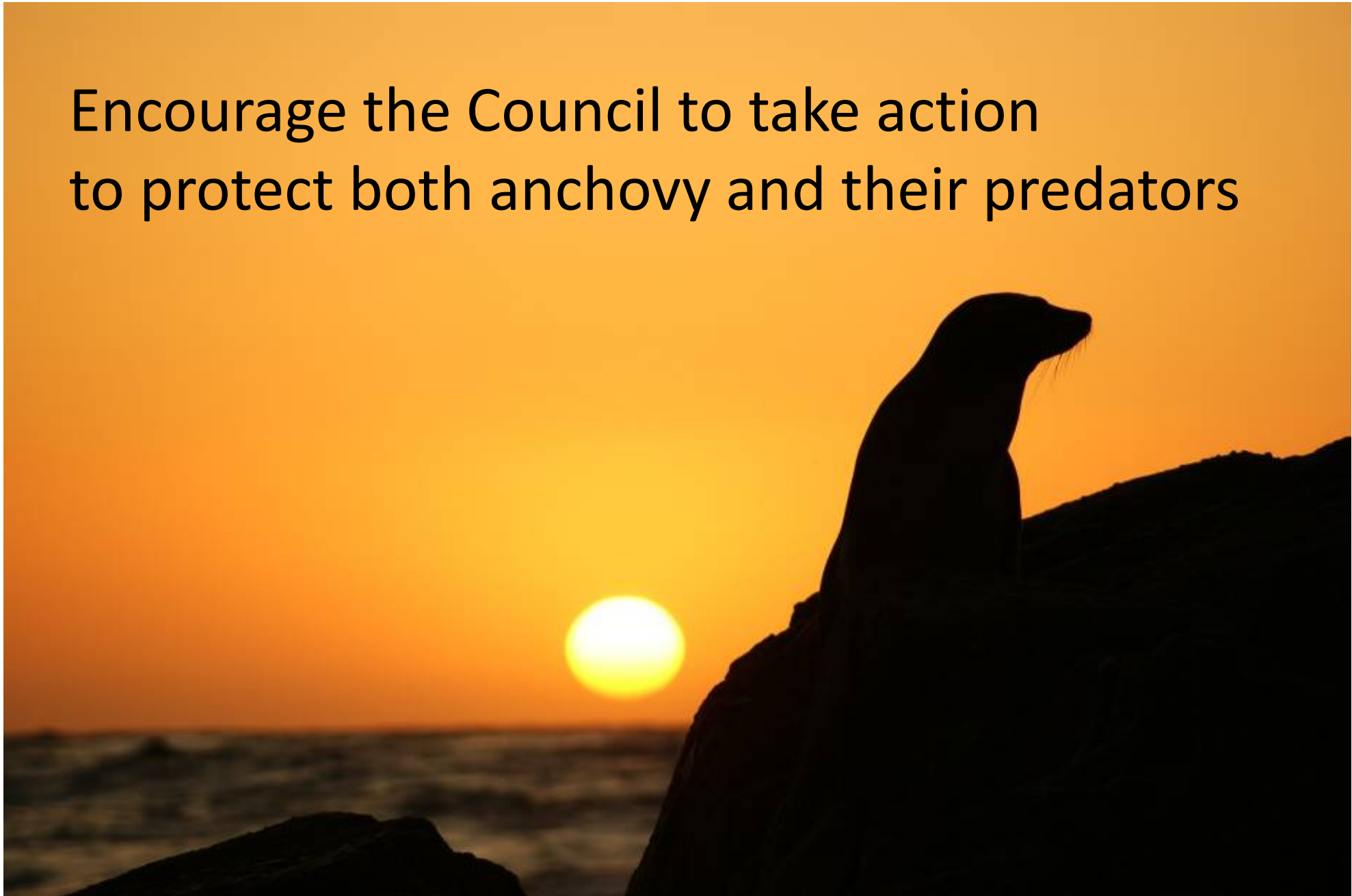


Forage in focus: Guadalupe Fur Seals

- An investigation into a significant mortality event for 2015 and 2016
- 32 seals in 2015 at TMMC and 32 in 2016
- Prior to this, the highest since 1975 was 5 in a single year
- Primary food source: squid
- Shifting prey selection an added pressure?

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Encourage the Council to take action
to protect both anchovy and their predators





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