

# Considerations for the 2019 Ocean Salmon Season

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As we develop a  
2019 ocean salmon  
season, let us be  
mindful of the  
impact our  
decisions have on  
people and  
communities



# Are analytics - Best Available Science - shading our overall view of the fisheries?

- Old SRFC spawning escapement:

$$E = CVI \times (1 - hCVI) \times \pi$$

- Sacramento Index:

$$SI = H_o, S + H_r + E$$

- New SRFC spawning escapement forecast model

$$E = SI \times (1 - io) \times (1 - ir)$$

- Exploitation rate forecast model:

$$F = io + [(1 - io) \times ir]$$

# Magnuson-Stevens Act calls for consideration of communities

“Conservation and management measures shall, consistent with the conservation requirements of the Act (including the prevention of overfishing and rebuilding of overfished stocks), take into account the importance of fishing resources to fishing communities by utilizing economic and social data that meet the requirements of paragraph (2), in order to (A) provide for the sustained participation of such communities, and (B) to the extent practicable, minimize adverse economic impacts on such communities.”

# Presentation Overview

- Demonstrate the impact on California ocean salmon fishing communities
  - Why we are ultimately engaged in this process
- Encourage the Council to consider the impact on fishing communities when making decisions

By all metrics, the salmon industry has experienced a significant decline over the past 10 years

	<u>High</u>	<u>Low</u>	<u>%Change</u>
<b>Pounds landed</b>	3.8 M	.5 M	-87%
# of vessels w/ landings	671	398	-41%
# of vessels w/ 50% of landings	103	51	-50%

Source: CA F&W 2018 Salmon Information Meeting



# Fort Bragg, CA

2015



2018



# Fort Bragg, CA

2010	Today
Cost of ice \$20/ton	Cost of Ice \$140/ton
Fuel available on the river	Fuel is trucked in from Willits and pumped onto vessels
Three tackle shops, with commercial gear	One paint shop with limited commercial gear



# Bodega Bay, CA



# Bodega Bay, CA

2010	Today
Full service gear store and hull out facility	No services
Fuel and ice available 24/7	Fuel and ice available only during daylight

# Pillar Point, CA

**Where did the big boats go?**



**Use to be exclusively  
commercial boats**



# Pillar Point, CA

**The only full service  
gear store close to the  
harbor between Ft.  
Bragg and Monterey**





# Santa Cruz, CA

How many sailboats do you see?



Three of the remaining ten commercial  
boats left



# Santa Cruz, CA

## Only ice machine for all three ports in the Monterey Bay



# Moss Landing, CA

“The historic town is seeing its commercial fishing roots disappear...”

“You’re not going to own your own boat. You’re not going to own your business. You’re going to work for a company.”

## IDENTITY CHANGE FOR MOSS LANDING



Commercial fisherman Jerid Rold unloads his catch of hagfish in the Moss Landing Harbor on Dec. 12. Rold, a fourth-generation fisherman and descendant of Nels Wilson, was returning with their catch of 7,000 pounds of hagfish.

Historic town slowly sheds its roots in commercial fishing as it takes on marine research and ecotourism.

## Escaped inmate arrested in Paso Robles

He was seen by a civilian in a Taco Bell restaurant

By Emily Harvey

By Hannah Hagemann  
Correspondent

**MOSS LANDING** » Weathered by age and the sea, rusted railings mark the path to Bay Fresh Seafoods, a one-room shop where fourth-generation Moss Landing fisherman Jerid Rold has just arrived with a writhing haul of hagfish, one of his few remaining profitable catches.

Across the street stands the sleek and sophisticated Monterey Bay Aquarium Research Institute, a world-renowned center for advanced research in ocean science.

Moss Landing, population 200, is rapidly switching identities. The historic town is seeing its commercial fishing roots disappear as Moss Landing secures its status as a prized destination for marine research and ecotourism.

Real estate players, research institutions, cannabis entrepreneurs and restaurateurs are becoming driving forces of the town and its economy. And as Moss Landing's future is reinvented, Rold sees a dwindling place for fishermen like him.

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Landings dropped 49%  
between 1996 to 2016.



# Why are we working so hard to preserve the fishery resource?



Captain of F/V Misty Dawn teaching son how to steer the boat

Will the next generation have a future following dad?

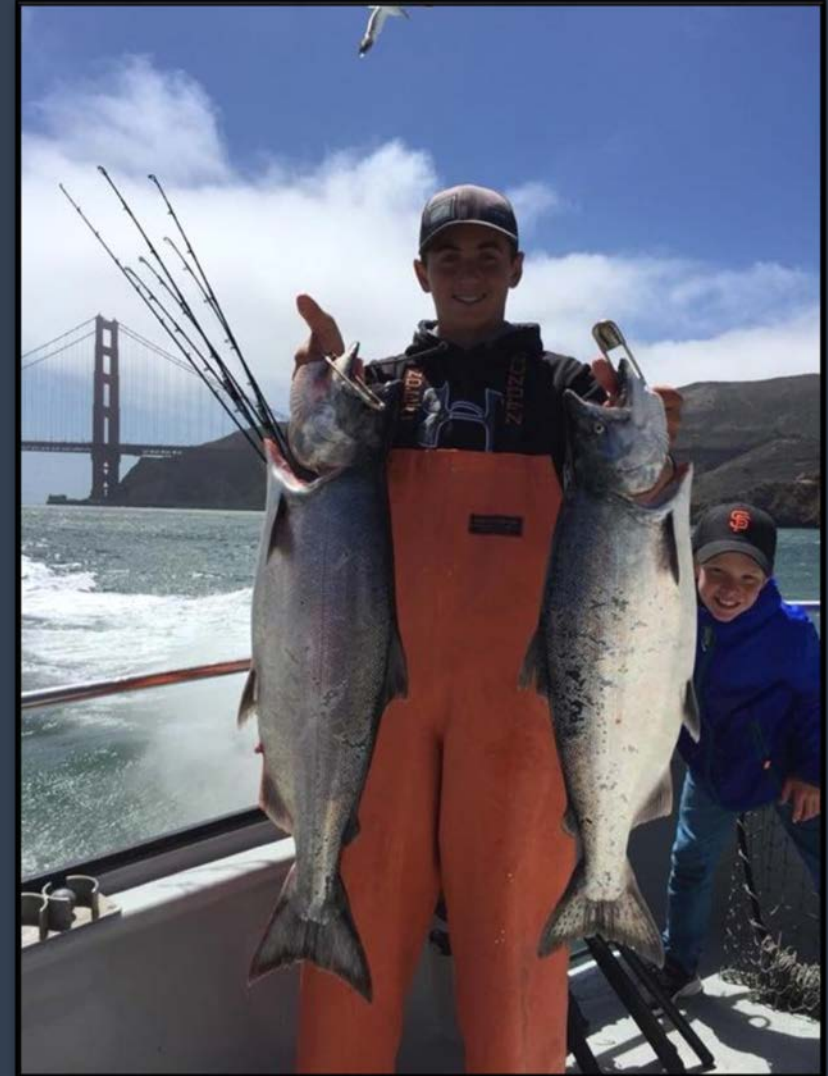
# Why are we working so hard to preserve the fishery resource?

F/V New Ray Anne  
San Francisco Boys and  
Girls Club



# Why are we working so hard to preserve the fishery resource?

F/V New Ray Anne  
Future deck hand and potential  
captain



# Why are we working so hard to preserve the fishery resource?

F/V Swan  
Fourth generation  
fisherman



Why are we working so hard to preserve the fishery resource?

They're jumpin' out of the water!!!!





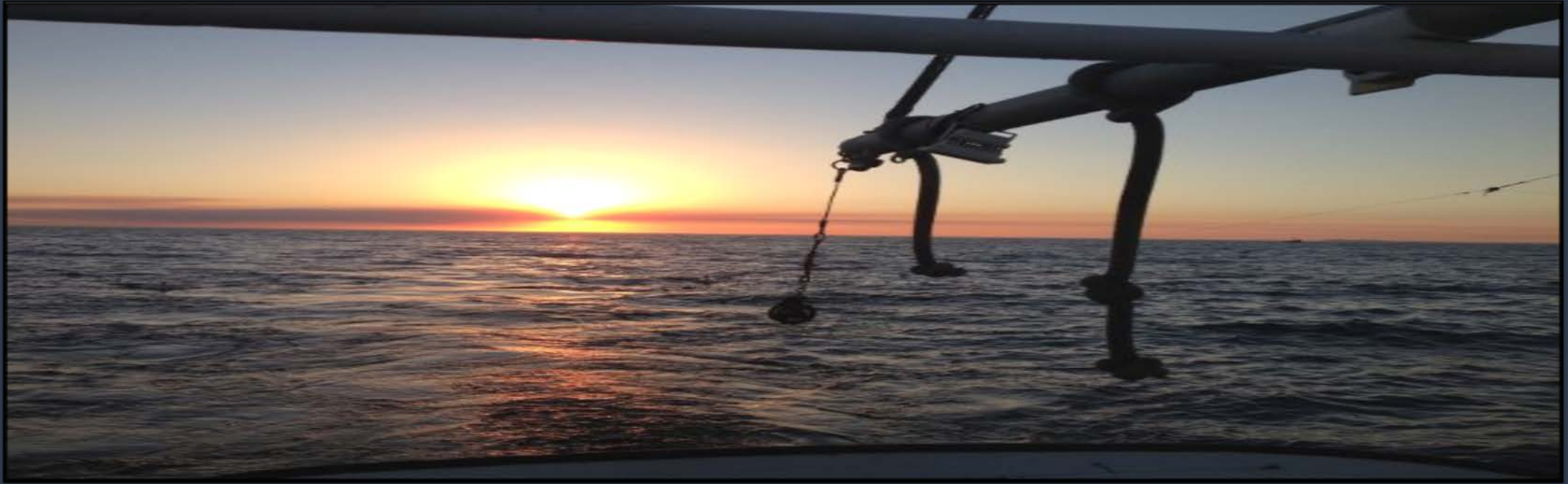
Please be mindful  
that our decisions  
deeply affect  
fishermen, their  
families, and the  
communities they  
support



Good luck, be safe







## **Thank you for the support of:**

**Oliviya Wyse-Monterey Trust**

**Bill Sanborn-Harbor Master Ft Bragg**

**Tim Obert-F/V Misty Dawn**

**Noah Wagner-Harbor Master-Bodega Bay**

**George Bradshaw-F/V Swan**

**Blake Anderson-Asst Harbor Master Santa Cruz**

**Dick Ogg-F/V Karen Jenne**

**Tommy Raddecca-Harbor Master Moss Landing**

**Wilson Quick-F/V Sun Ra**

**Mike Williams-Harbor Master Pillar Point**

**Jim Andersen-F/V Allaine**