



**NOAA**  
**FISHERIES**

# West Coast Salmon Genetic Stock Identification Update and Plans for 2016

- Brief summary of 2015 sampling
- 2016 Plans – Saltonstall-Kennedy Grants
  - Washington Trollers Association
    - Archived sample analysis
  - Oregon Salmon Commission project
    - Fishery Information System development
  - California Salmon Council project
    - GSI sampling, Southern Oregon to San Francisco

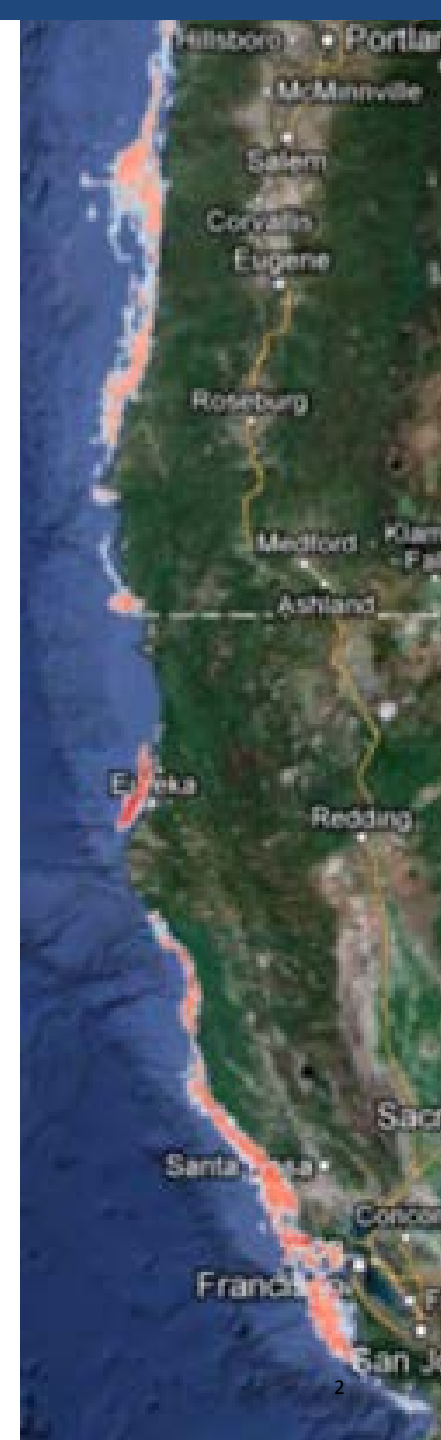
# WCS-GSI Collaboration 2015

- Full season sampling in all three states
  - 6311 samples collected:
    - Washington
      - 2597 samples
    - Oregon
      - 945 samples
    - California
      - 2769 samples

Funding in 2012 - 2015 has come from NMFS cooperative research grants.

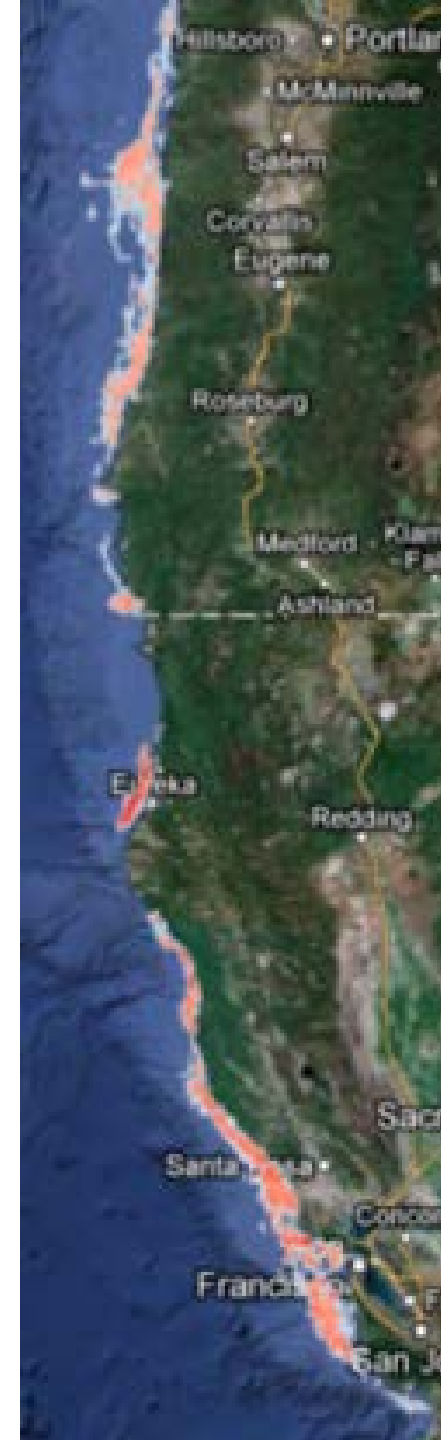
Funding in 2016 is from Saltonstall-Kennedy grants.

Cooperative research grants for 2016 are undetermined.



# Washington Activities, 2016

- WDFW/Washington Trollers (SK funded)
  - FRAM stock composition comparisons
    - GSI analysis of archived and current dockside samples
- NWFSC (internally funded)
  - Bycatch in Hake fisheries
    - shoreside and historical at-sea samples
    - North/South gradients

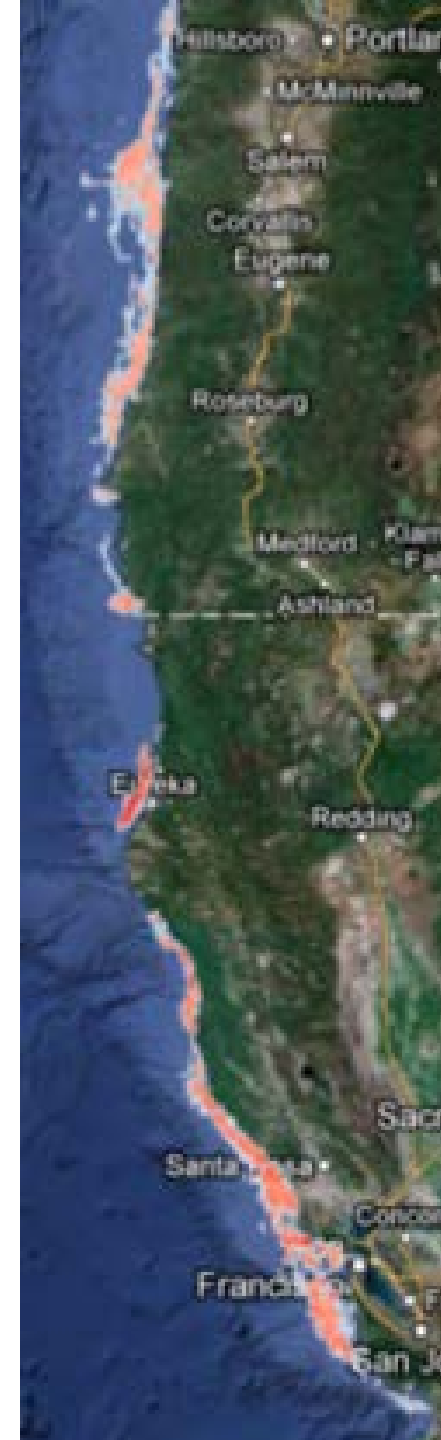


# Oregon Salmon Commission

## Saltonstall-Kennedy Grant

### FishTrax Fisheries Information System updates and improvements

- Database enhancements
- New and improved portals
  - Washington
  - Managers
- New tools and visualizations
- Electronic at-sea data collection

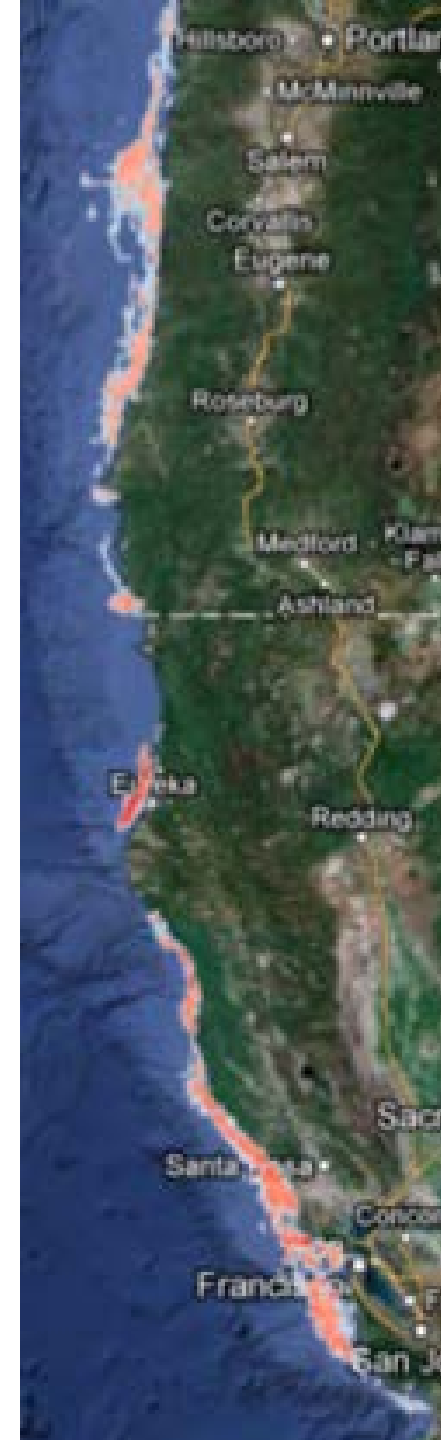


# California Salmon Council

## Saltonstall-Kennedy Grant

### *Objectives*

- Targeted sampling effort to distinguish the distributions of Klamath, Sacramento, and California Coastal Chinook stocks between Humboldt Mountain and Pigeon Point
- Use precise capture location and depth to generate time-series maps of stock distribution throughout the fishing season
- Use WCS-GSI sampling protocols and GSI analysis



# Proposed KMZ and SF sampling plan

## California Salmon Council

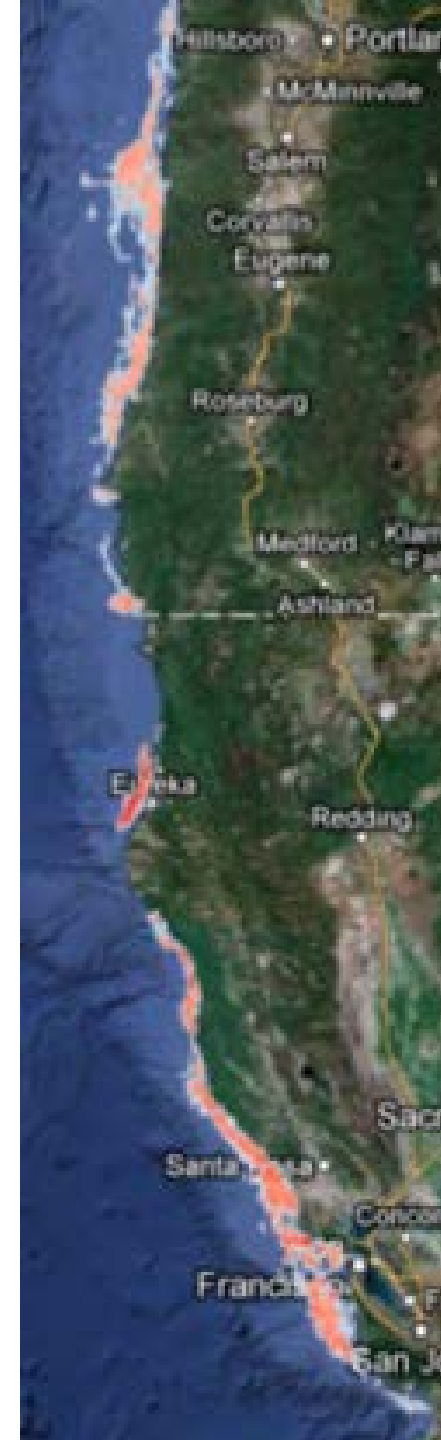
Management zone	Port	May	June		July		August		September	
OR-KMZ	Brookings		200	200	200	200	200	200		
KMZ	Crescent City		100	100	100	100	100	100		
	Eureka		100	100	100	100	100	100		
Fort Bragg	Fort Bragg		200	200	200	200	200	200		
San Francisco-N	Bodega Bay	400	200	200	200	200	200	200		
San Francisco-S	San Francisco	200	100	100	100	100	100	100		
	Half Moon Bay	200	100	100	100	100	100	100		
<b>Total samples</b>		<b>800</b>	<b>2000</b>		<b>2000</b>		<b>2000</b>		<b>0</b>	

Red: Expected closed areas requiring non-retention sampling

Green: Expected open areas allowing retention sampling

# Permit Needs and Other Considerations

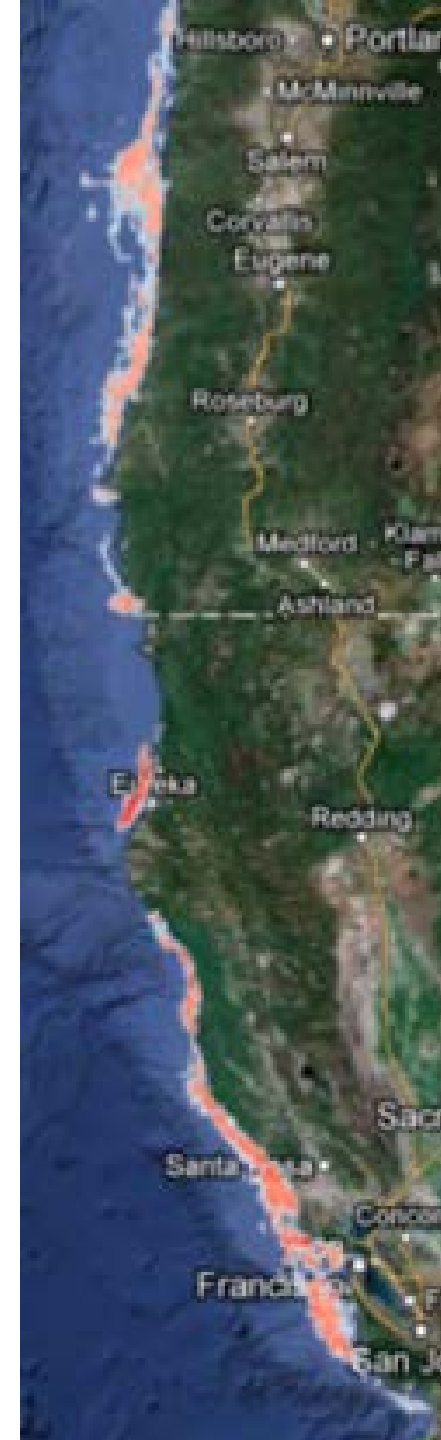
- Scientific Research Permits will be required for non-retention fishing in closed areas
- A detailed sampling proposal will be developed in time for review and impact modeling at the March Council meeting
- Sampling in Oregon is dependent on a cooperative fisheries grant
- Washington does not plan to conduct at-sea sampling in 2016



# CDFW Proposal for California Fishermen

## *Objectives*

- Determine Klamath contribution N/S of Klamath River mouth
- Sample commercial fishery dockside for CWTs
  - Sampling goal:
    - 10 CWT per stock per area
      - KRFC
      - SRFC
- Repeat for 3 years





# CDFW Proposed Quotas

Month				
M	J	J	A	S
1,500	1,500	1,000	1,000	1,500
	-----	-----	-----	-----
1,500	1,500	1,000	1,000	1,500

Total: 13,000 Chinook

