



2021 Ocean Salmon Regulations

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Fish Division

April 23, 2021

Chinook Salmon

© 2005 State of the Salmon, a joint program of Wild Salmon Center and Ecotrust



Coho Salmon

© 2005 State of the Salmon, a joint program of Wild Salmon Center and Ecotrust



Map courtesy Ecotrust





Comparison of Salmon Life Cycles

Species	Time in freshwater	Time in Estuary	Time in Ocean	Adult Size (Average)
Chinook	3 to 12+ months Main stem large and small rivers.	Days to months	2-5 years	10-40 lbs.
Coho	>12 months Tributaries, slack water and side channels.	Days to a month	2 years	5-20 lbs.

Salmon and Climate Change



SENSITIVITY

- Dependent on high water quality
- Abundance
 - Varies by stock & species
 - Varies with climate cycles
- Reliant on multiple ecotypes during life history

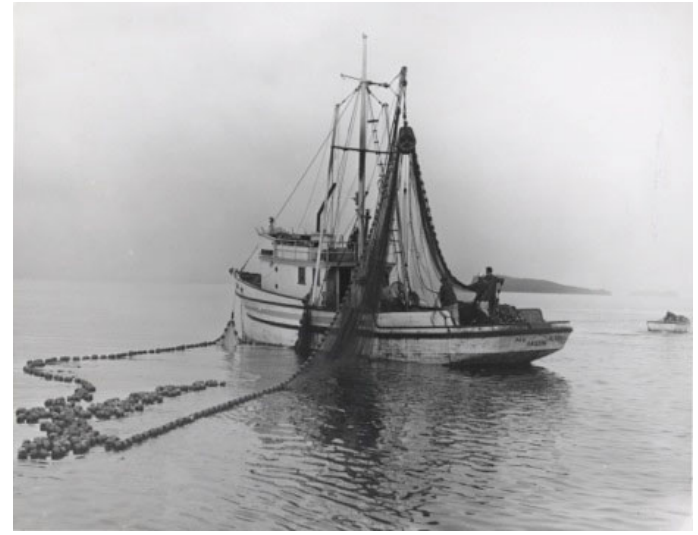
EXPOSURE

- Cross multiple ecotypes during life history
- Warming streams and ocean
- Changing flow patterns
- Conditions not uniform across species range

ADAPTIVE CAPACITY

- Relatively young age at maturity
- Able to colonize suitable habitat
- Die after spawning

The 4 H's





PFMC and the 4 H's

Harvest

- PFMC establishes harvest measures, and in some cases conservation/escapement objectives.
- NMFS regulates and manages salmon fisheries in federal waters.
- Managed around protection of weak stocks.
- Harvest scaled to abundance.
- Annual harvest opportunities based on annually updated status of multiple stocks.

Habitat/Hydro

- Magnuson-Stevens Act requires Regional Fishery Management Councils to comment on Federal Actions affecting essential fish habitat of species managed by the Council.
- PFMC has commented on: eelgrass habitat effects, Columbia River issues, Klamath River instream flow issues, etc.

Hatcheries

- PFMC has no authority over or requirement to comment on hatchery issues, but can comment if desired.

PFMC Climate-Related Actions

- Prohibition on harvest of krill 2005
- Fishery Ecosystem FMP 2013;
 - Ecosystem Advisory Subpanel
 - Ecosystem Initiatives
 - Forage fish FMP 2016
 - Coordinated Ecosystem Indicator Review 2016
 - Annual California Current Ecosystem Report
 - Climate and Communities Initiative (current)



CHINOOK STOCKS

	2021 Criteria	Projected Actual
Lower Columbia River Natural Tule (ESA) total exploitation rate	$\leq 38\%$	38.0%
Coastal California (ESA) ocean harvest rate	$\leq 16\%$	10.5%
Snake River Fall (ESA) ocean harvest rate reduction from base period	$\leq 70\%$	50.3%
Klamath River Fall natural area spawners	$\geq 31,574$	31,574
Sacramento River Fall spawner escapement	$\geq 122,000$	133,900



COHO STOCKS

	2021 Criteria	Projected Actual
Lower Columbia River Natural (ESA) total exploitation rate	≤ 30%	10.2%
Oregon Coast Natural (ESA) total exploitation rate	≤ 15%	12.7%
S. Oregon/N. California Natural (ESA) marine exploitation rate	≤ 13%	2.7%



North of Cape Falcon

Leadbetter Pt.
Columbia R. Area Ilwaco, WA

South of Cape Falcon

Central Oregon Coast

Astoria
Cape Falcon

Garibaldi

Pacific City

Depoe Bay

Newport

Florence

Winchester Bay

Charleston
Bandon

Port Orford

Humbug Mt.

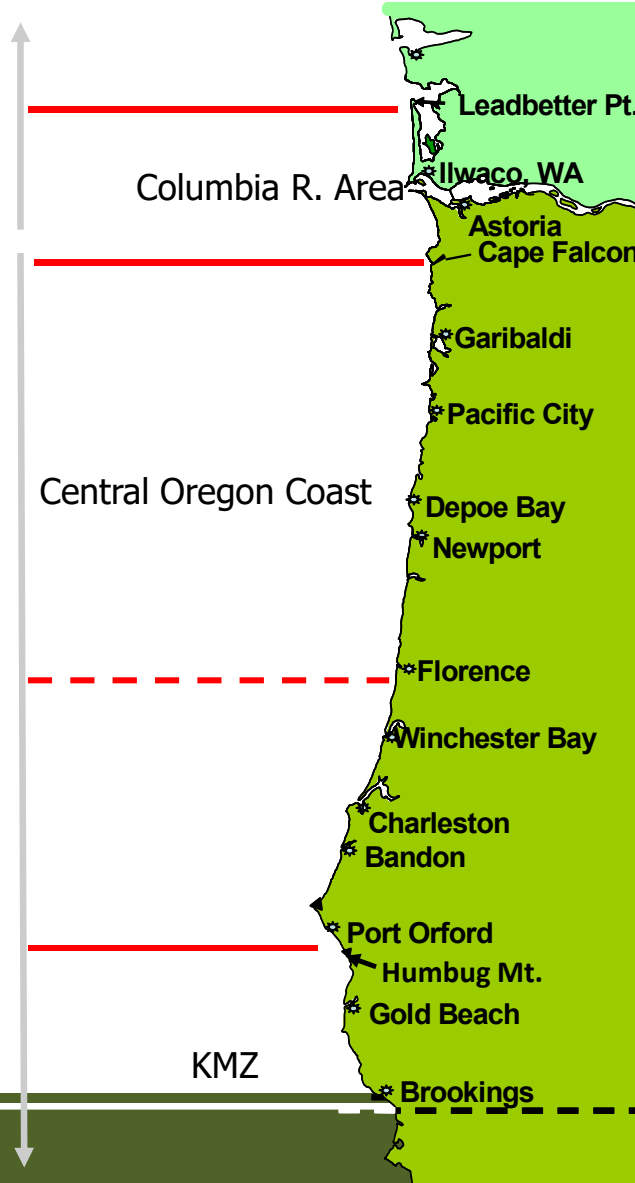
Gold Beach

Brookings

Heceta Bank line
(South end of Heceta Bank)

Delineation markers are
approximate
and not intended for navigational
purposes

KMZ



2021 Ocean Commercial Season



Cape Falcon to Humbug Mountain

Chinook:

March 20-May-5 (except Heceta to Humbug Mt. closed through April 30), May 10-21 and 26-31.

June 5-7, 12-14, 19-21 and 26-28.

September 1 – October 31.

All salmon (coho mark-selective): Quota = 10,000 marked coho

July 5-7, 12-14, 19-21 and 26-28.

August 1-4, 8-10 and 15-17.

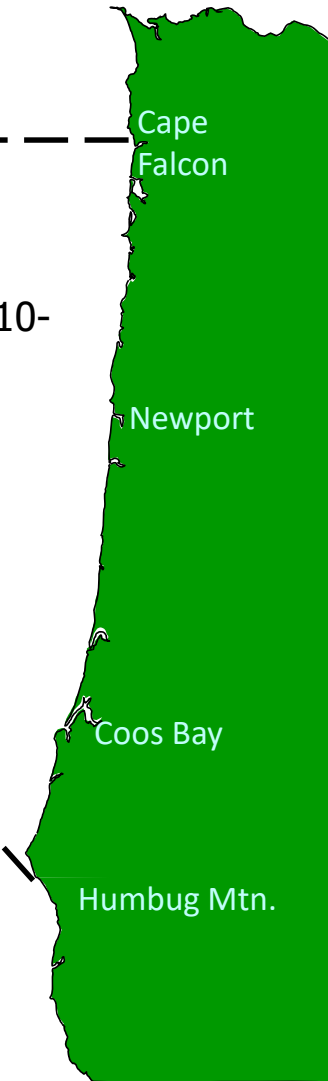
Humbug Mountain to OR/CA Border (OR KMZ)

Chinook:

March 20 - May 5, May 10-21 and 26-31

June 1-30 or quota = 300 Chinook

July 1-31 or quota = 200 Chinook



2021 Ocean Recreational Season

Cape Falcon to Humbug Mountain

Chinook: March 15 – October 31

Mark-select coho: June 12 – August 28 or 120,000 quota*

Non-select coho: Sep. 10-26 (Fr-Su only) or 14,000 quota

Humbug Mountain To OR/CA Border (OR KMZ)

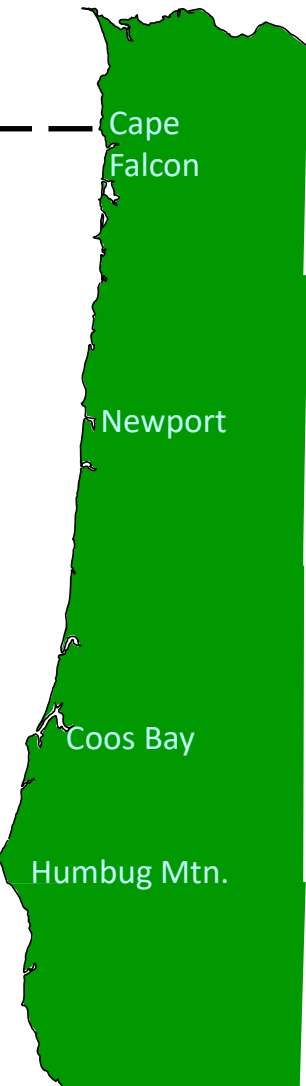
Mark-select coho (closed Chinook): June 12-18

All salmon (mark-select coho):
June 19 – August 15 or 120,000 coho quota*

Mark-select coho (closed Chinook):
August 16-28 or 120,000 coho quota*

(No non-select coho)

*Combined quota of 120,000 coho for Cape Falcon to OR/CA Border



2021 Other Considerations

Ocean Terminal Areas (example Elk River and Chetco River “bubbles”)

- None are proposed for 2021

In-river coastal fisheries

- Staff proposal for very limited coastal wild coho harvest in 2021 in a few coastal streams expected for June Commission meeting.
- Temporary fall Chinook actions under the Coastal Multi-species Plan and Rogue Fall Chinook Plan have been identified and will be implemented by summer.



Staff Recommendation

Adopt the 2021 regulations, by reference, for ocean recreational and commercial salmon fisheries as proposed by staff and as reflected in draft OARs shown in Attachment 3.

