

COLUMBIA RIVER FISHERIES REFORM

17 March 2017

Oregon Department of Fish and Wildlife



Background

- January WFWC and OFWC actions
- Areas of non-concurrence
 - Spring mainstem tangle nets post run update (OR yes, WA no)
 - Summer mainstem gillnets (OR yes, WA no)
 - Fall allocation (9% difference)
 - Zones 4-5 gillnets 2019+ (OR yes, WA no)
- Ongoing Director/Chair negotiations w/WA
- Governor Brown request

Risks of Non-concurrence

- Orderly fisheries, enforcement, economics
- Gear non-concurrence
 - Split allocation w/WA and fish only on your side of river
- Allocation non-concurrence
 - In past minor differences ($\leq 5\%$) either left on table or split w/WA
 - Large current difference (9%) likely left on table
 - ESA and US v OR constraints do not allow either state to try to implement non-concurrent difference on own
 - Larger the non-concurrent difference, larger the economic impact if not resolved

Economic Modeling Updates

- For-hire trips estimated rather than assumed zero, incorporated into model runs
- Updated IO-PAC values not modeled for Commission packet
 - Commercial multipliers updated with new NOAA data; both adjusted for inflation
 - Now have, so provided today
 - Commercial = 1.676 (1.073+0.603)
 - Sport private = \$66.17; 'for hire' = \$224.27
- Non-concurrence and funding risks identified in January are now modeled to show potential economic risks

Outputs for Today

(see model option outputs for additional requested details)

- Updated model runs w/o regard to concurrence or funding risk
 - OFWC rules
 - WFWC policy
 - January staff recommendation
- Updated model runs as likely implemented assuming non-concurrence and funding risk
 - OFWC rules
 - WFWC policy
 - March staff recommendation

OFWC Rules

Modeled as:

- Spring 80/20, small MS commercial fishery with tangle nets
- Summer 80/20 (5% off-channel, 15% MS) MS commercial fishery largemesh gillnets
- Fall Chinook $\leq 66/\geq 34$, MS commercial fishery with gillnet in Z4-5 and Coho tangle net in Z 1-3.
- Implementation of reduced fall “conservation fishery”
 - CSA fishery reduced from Staff Recommended Rebalance
- SAFE releases in accordance with Mitchell Act Reductions
 - Addition of 750K spring Chinook; Coho cut backfilled with an additional 390K at current Oregon sites
- Allow barbed hooks in off-channel sport fisheries and Willamette
- Youngs Bay sport closure remains in effect
- Intensive commercial fisheries observations
- “As likely implemented” accounting for current non-concurrence with WA and funding risk: 9% Chf unallocated, summer commercial allocation split, off-channel production enhancements reduced

OFWC Adopted Rules

	Angler trips	Ex-Vessel Value	LPI
Appendix C “Base”	350,400	\$3.86 M	\$33.60 M
No Policy	405,600	\$5.75 M	\$41.31 M
OFWC Rules	425,600	\$5.87 M	\$43.04 M
OFWC Implemented	421,500	\$4.20 M	\$39.91 M

- Ex-vessel value calculated through 2022 to capture returns of additional off-channel hatchery production
- Mean ex-vessel for OFWC Rules 2017-2021 = \$5.57 M
- Mean ex-vessel for likely implementation 17-21 = \$4.44 M

OFWC Rules –

Adopted vs “likely implementation”

Adopted:

- Highest (of 3 options examined today) ex-vessel value
- Lowest number angler trips
- Highest overall personal income impacts
- Gillnets in summer and fall

Likely implementation:

- Intermediate ex-vessel value
- Lowest (tie) number of angler trips
- Intermediate personal income impacts
- Split allocations
- Gillnets in summer and fall
- Conservation fishery not implemented

WFWC Policy

Modeled as:

- Spring 80/20, off-channel gillnet fishery (no mainstem commercial)
 - No commercial runsize buffer
- Summer 80/20, no commercial gillnets
- Fall Chinook $\leq 75/\geq 25$ (2017-2018), Coho tangle net in Z 1-3
 - Mainstem gillnets Zones 4/5 for next 2 years w/enhanced monitoring
 - $\leq 80/\geq 20$ post 2018
 - Continue alt gear research w/presumptive replacement of gillnets after 2 yrs
 - MSF beach/purse seine fisheries in Z 1-5 and non-MSF purse seine Z 4/5
- SAFE releases in accordance with Mitchell Act Reductions
 - Addition of 750K spring Chinook
- Aggressively pursue commercial buyback
- "As implemented" if OFWC adopts, same as above
- "As implemented" if OFWC existing rules and accounting for non-concurrence and funding risks: 9% Chf unallocated, summer commercial allocation split, off-channel production enhancements reduced

WFWC Policy

	Angler trips	Ex-Vessel Value	LPI
Appendix C “Base”	350,400	\$3.86 M	\$33.60 M
No Policy	405,600	\$5.75 M	\$41.31 M
WFWC Policy	433,000	\$3.18 M	\$39.13 M
WFWC Implemented	421,500	\$3.22 M	\$38.27 M

- Ex-vessel value calculated through 2022 (gillnets sunset in mainstem fisheries post-2018).
- Mean ex-vessel for WFWC policy 2017-2021 = \$3.53 M
- Mean ex-vessel for likely implementation 17-21 = \$3.56 M

WFWC Policy – Adopted vs “likely implementation”

Adopted:

- Lowest ex-vessel value
- Highest number angler trips
- Lowest overall personal income impacts
- Gillnets in fall for 2 years
- Conservation fishery not implemented

Likely implementation:

- Lowest ex-vessel value
- Lowest (tie) number of angler trips
- Lowest personal income impacts
- Non-concurrence: tangle nets, summer gillnets, fall allocation, fall gillnets
- Gillnets in summer and fall on OR side (after 2yrs)
- Conservation fishery not implemented

March Staff Recommendation – (as likely implemented)

Modeled as:

- Spring 80/20, small MS commercial fishery with tangle nets
- Summer 80/20, MS commercial fishery with selective gear to be developed by fleet with agency assistance
- Fall Chinook $\leq 70/\geq 30$ of most constraining Chf stock, but implemented as $\leq 70/\geq 25/5$, MS commercial fishery with gillnet in Z4-5 and Coho tangle net in Z 1-3
- Implementation of fall “conservation fishery” commercial and sport using 5% unallocated impacts (no ocean impacts used)
- Off-channel releases in accordance with Mitchell Act Reductions
 - Addition of 1.5 M spring Chinook (500K to Gnat Creek, 250K Westport Slough, 360K to LCR hatcheries, and 390K to backfill Coho cut at current Oregon sites)
- Allow barbed hooks in Willamette River and off-channel sport fisheries
- Youngs Bay sport closure remains in effect
- Intensive commercial fishery observations

Staff Recommendation

	Angler trips	Ex-Vessel Value	LPI
Appendix C “Base”	350,400	\$3.86 M	\$33.60 M
No Policy	405,600	\$5.75 M	\$41.31 M
January Rec	427,300	\$5.38 M	\$42.36 M
March Rec	426,500	\$5.14 M	\$41.88 M

- Ex-vessel value calculated through 2022 to capture returns of additional off-channel hatchery production
- Mean ex-vessel for January Staff Rec 2017-2021 = \$5.08 M
- Mean ex-vessel for likely implementation 17-21 = \$4.73 M
- Conservation fishery using ocean impacts not included in March staff recommendation (river impacts used)

March Staff Recommendation – w/o and w/ regard to non-concurrence and funding risk

Without regard to non-concurrence and funding risk:

- Intermediate ex-vessel value
- Intermediate number angler trips
- Intermediate overall personal income impacts
- Gillnets in fall

W/ regard to non-concurrence and funding risk (likely implementation):

- Highest ex-vessel value
- Highest number of angler trips
- Highest personal income impacts
- Non-concurrence: tangle nets (fall allocation and gillnets after 2yrs)
- Gillnets in fall
- Conservation fishery

Economic Comparison Summary

	App C "Base"	Model Option – Blind to Non-Concurrence				
		No Policy	OFWC Action	WFWC Policy	January Staff	March Staff
Angler trips	350,400	405,600	425,600	433,000	427,300	424,800
Ex-vessel \$	\$3.86 M	\$5.75 M	\$5.87 M	\$3.18 M	\$5.38 M	\$5.36 M
LPI \$	\$33.60 M	\$41.31 M	\$43.04 M	\$39.13 M	\$42.36 M	\$42.13M

Economic Comparison Summary

	App C "Base"	Model Option – As Likely Implemented			
		No Policy*	OFWC Implement	WFWC Implement	March Rec
Angler trips	350,400	405,600	421,500	421,500	426,500
Ex-vessel \$	\$3.86 M	\$3.36 M	\$4.20 M	\$3.22 M	\$5.14 M
LPI \$	\$33.60 M	\$37.31 M	\$39.91 M	\$38.27 M	\$41.88 M

*Assumes No Policy in Oregon and Washington Policy in Washington

Conclusions

- March staff recommendation best option under consideration, as likely implemented, to meet overall objectives of ORS 508.980
 - More likely to enhance sport and commercial economic viability, higher ex-vessel value, and optimal economics for region than WFWC policy and OFWC rules, when considered in context of likely implementation
 - Stronger contribution to conservation
 - Promotes orderly fisheries with WA in near term
 - Ensures consistency with ESA and tribal agreements

Options

1. No action – adopted OARs from OFWC January action remain unchanged
2. Adopt March staff recommendation, including changes to CR Fisheries Reform including OARs as shown in Attachment 3
3. Adopt changes in CR Fisheries Reform consistent with WFWC January Policy

STAFF RECOMMENDATION:

Adopt March staff recommendation (option 2), including changes to OARs as shown in Attachment 3.

Draft Motion

- I move to adopt the staff recommendation, including amendments to OARs as shown in Attachment 3.