



Oregon Fish and Wildlife Commission
January 23, 2009

EXHIBIT

SUBJECT Columbia River Spring and Summer Chinook Management

PRINCIPAL STAFF PERSON Steve Williams, Deputy Fish Division Administrator for Ocean Salmon/Columbia River and Marine Resources Programs
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COMMISSION ACTION REQUESTED

DOCUMENTS ATTACHED

1. Joint Oregon and Washington Fish and Wildlife Spring Chinook Management Scenerios
2. Impact Sharing Matrix
3. Public Correspondence

RELATED STATUTES ORS 496.138, 496.146, 496.162, 506.109, 506.119, 506.129 and 507.030

RELATED RULES OAR Chapter 635, Division 023, Division 041, and Division 042

*Read and
Approved by:*

Division Administrator	<u>Stephen A. Williams</u>	Date	<u>1-21-09</u>
Attorney General	_____	Date	_____
Director	<u>Curtis E. Miller</u>	Date	<u>1/21/09</u>

Columbia River Spring Chinook Management Options

WDFW and ODFW staff analyzed seven Columbia River spring Chinook management scenarios relative to the ability to meet the primary management objectives recommended by the Columbia River Fish working Group (CRFWG). Those management objectives include:

- Adequate conservation buffer to maintain low risk of exceeding ESA impacts.
- A high likelihood of a 45-day lower Columbia sport season during March and April.
- A high likelihood that the above Bonneville Dam sport fisheries will not be closed by emergency action.
- A SAFE commercial fishery opportunity at least similar to recent years.
- A meaningful early mainstem Columbia commercial opportunity.
- Lower Columbia Fishing opportunity in May for both sport and commercial fisheries within remaining ESA impacts.

The following scenarios were analyzed with the 2009 forecasted abundance of upriver and Willamette stock spring Chinook. The actual allocation for 2009 is increased 5% for commercial and decreased 5% for sport based on the forecasted abundance i.e. 65/35 base allocation is 60/40 in 2009.

Scenario 1-CRFWG recommendation

- 65% sport/ 35% commercial base ESA allocation

Scenario 2-OFWC decision

- 55% sport/ 45% commercial base ESA allocation

Scenario 3- Mid-point CRFWG and OFWC ESA allocation

- 60% sport/ 40% commercial base ESA allocation

Scenario 4-Commercial buffer adjusted

- 65% sport/ 35% commercial base ESA allocation
- Commercial buffer reduced from 50% to 40%

Scenario 5-Commercial and sport buffer adjusted

- 60% sport/ 40% commercial base ESA allocation
- Commercial buffer reduced from 50% to 45%
- Sport buffer reduced from 25% to 20%

Scenario 6- SAFE reduced and commercial buffer adjusted

- 65% sport/ 35% commercial base ESA allocation
- SAFE ESA impact reduced from 0.15 to 0.10
- Commercial buffer reduced from 50% to 45%

Scenario 7- Upriver sport share reduced

- 60% sport/ 40% commercial base ESA allocation
- Upriver sport reduced from 25% to 20% of sport ESA impact allocation
- Lower River sport increased from 75% to 80% of sport ESA impact allocation

The following tables display expected fishery performance under the seven management scenarios: 1) expected sport and commercial fishery catch numbers and 2) a high, medium, or low expectation for meeting the CRFWG management objectives.

Expected Columbia River Spring Chinook Fishery Harvest							
Scenario #	1 CRFWG	2 OFWC	3 Mid-point	4 Comm. Buffer	5 Both Buffers	6 SAFE/ Comm. Buffer	7 U.Col. Sport
Base Case Sharing ^{1/}	65% S 35% C	55% S 45% C	60% S 40% C	65% S 35% C	60% S 40% C	65% S 35% C	60% S 40% C
Sport Catch							
Early L. Col.	16,700	13,900	15,300	16,700	16,300	16,700	16,300
Late L. Col.	5,600	4,600	5,100	5,600	4,100	5,600	5,400
Above Bonn.	7,400	6,200	6,800	7,400	6,800	7,400	5,400
Comm. Catch							
Early Mstem	4,400	6,100	5,300	5,800	6,000	5,900	6,000
Late Mstem	2,500	3,100	2,800	2,000	2,500	2,200	2,500
SAFE	6,300	6,300	6,300	6,300	6,300	4,200-6,300	6,300
Total Sport	29,700	24,800	27,200	29,700	27,200	29,700	27,200
Total Comm.	13,200	15,500	14,400	14,100	14,800	12,300-14,400	14,800
% Catch Sport	69%	61%	65%	68%	65%	67%-71%	65%
% Catch Comm.	31%	39%	35%	32%	35%	29%-33%	35%
Buffer	35%	37%	36%	31%	31%	33%	34%

^{1/} The following scenarios were analyzed with the 2009 forecasted abundance of upriver and Willamette stock spring Chinook. The actual allocation for 2009 is increased 5% for commercial and decreased 5% for sport based on the forecasted abundance i.e. 65/35 base allocation is 60/40 in 2009.

Expected Performance of CRFWG Management Objectives							
Scenario #	1 CRFWG	2 OFWC	3 Mid-point	4 Comm. Buffer	5 Both Buffers	6 SAFE/ Comm. Buffer	7 U.Col. Sport
Base Case Sharing ^{1/}	65% S 35% C	55% S 45% C	60% S 40% C	65% S 35% C	60% S 40% C	65% S 35% C	60% S 40% C
Conservation	High	High	High	High	High	High	High
Early L. Col. Sport	High	Low	Medium	High	High	High	High
Above Bonn. Sport	High	High	High	High	High	High	Medium
SAFE	High	High	High	High	High	Medium	High
Early Mstem. Comm.	Low	High	Medium	High	High	High	High
May Opportunity	Medium	Medium	Medium	Medium	Medium	Medium	Medium

Attachment 2

Scenario 1 (CRFWG). Matrix for allocating total available impacts and sharing the buffer between sport and commercial fisheries at various run sizes of upriver and Willamette spring Chinook. The base case allocates 65% of available impacts to sport fisheries and 35% to commercial fisheries under “medium-high” run sizes that have most

Run Size of Upriver Columbia Spring Chinook	Run Size of Willamette Spring Chinook	
	Low (<50,000)	High (>50,000)
Very Low (<33,000)	Share = 85/15%	Share = 75/25%
	Buffer = 35% of sport fishery impact + 35% of commercial fishery impact	Buffer = 35% of sport fishery impact + 35% of commercial fishery impact
Low (33,000 – 55,000)	Share = 75/25%	Share = 70/30%
	Buffer = 35% of sport fishery impact + 35% of commercial fishery impact	Buffer = 35% of sport fishery impact + 35% of commercial fishery impact
Medium-High (55,000 – 271,000)	Share = 70/30%	Share = 65/35% (base)
	Buffer = 35% of sport fishery impact + 35% of commercial fishery impact	Buffer = 25% of sport fishery impact + 50% of commercial fishery impact
Very High (>271,000)	Share = 60/40%	Share = 55/45%
	Buffer = 25% of sport fishery impact + 50% of commercial fishery impact	Buffer = 25% of sport fishery impact + 50% of commercial fishery impact

frequently occurred in the past.

Scenario 2 (OFWC). Matrix for allocating total available impacts and sharing the buffer between sport and commercial fisheries at various run sizes of upriver and Willamette spring Chinook. The base case allocates 55% of available impacts to sport fisheries and 45% to commercial fisheries under “medium-high” run sizes that have most frequently occurred in the past.

Run Size of Upriver Columbia Spring Chinook	Run Size of Willamette Spring Chinook	
	Low (<50,000)	High (>50,000)
Very Low (<33,000)	Share = 75/25%	Share = 65/35%
	Buffer = 35% of sport fishery impact + 35% of commercial fishery impact	Buffer = 35% of sport fishery impact + 35% of commercial fishery impact
Low (33,000 – 55,000)	Share = 65/35%	Share = 60/40%
	Buffer = 35% of sport fishery impact + 35% of commercial fishery impact	Buffer = 35% of sport fishery impact + 35% of commercial fishery impact
Medium-High (55,000 – 271,000)	Share = 60/40%	Share = 55/45% (base)
	Buffer = 35% of sport fishery impact + 35% of commercial fishery impact	Buffer = 25% of sport fishery impact + 50% of commercial fishery impact
Very High (>271,000)	Share = 50/50%	Share = 45/55%
	Buffer = 25% of sport fishery impact + 50% of commercial fishery impact	Buffer = 25% of sport fishery impact + 50% of commercial fishery impact

Scenario 3 (Mid-point). Matrix for allocating total available impacts and sharing the buffer between sport and commercial fisheries at various run sizes of upriver and Willamette spring Chinook. The base case allocates 60% of available impacts to sport fisheries and 40% to commercial fisheries under “medium-high” run sizes that have most frequently occurred in the past.

Run Size of Upriver Columbia Spring Chinook	Run Size of Willamette Spring Chinook	
	Low (<50,000)	High (>50,000)
Very Low (<33,000)	Share = 80/20%	Share = 70/30%
	Buffer = 35% of sport fishery impact + 35% of commercial fishery impact	Buffer = 35% of sport fishery impact + 35% of commercial fishery impact
Low (33,000 – 55,000)	Share = 70/30%	Share = 65/35%
	Buffer = 35% of sport fishery impact + 35% of commercial fishery impact	Buffer = 35% of sport fishery impact + 35% of commercial fishery impact
Medium-High (55,000 – 271,000)	Share = 65/35%	Share = 60/40% (base)
	Buffer = 35% of sport fishery impact + 35% of commercial fishery impact	Buffer = 25% of sport fishery impact + 50% of commercial fishery impact
Very High (>271,000)	Share = 55/45%	Share = 50/50%
	Buffer = 25% of sport fishery impact + 50% of commercial fishery impact	Buffer = 25% of sport fishery impact + 50% of commercial fishery impact

Public Correspondence

**No public testimony to be taken at this
meeting**