

### Option 3

**Synopsis:** Differences from Option 1A are highlighted in red.

- Shift primary Chinook designation from Naselle River to Willapa River
- Shift Chinook production from Forks Creek Hatchery to Naselle Hatchery
- Time and area priorities per guidance
- Commercial fisheries begin **10/1**
- Commercial limited to only 2 days per week in 2T and 2U beginning **10/1**
- No directed commercial chum fisheries until spawner goal is achieved **three out of five years (beginning in 2010)**.

Policy Component	Proposal			
Species Priority	<ul style="list-style-type: none"> <li>• Chinook: Recreational priority with no commercial fishery through <b>October 1</b>.</li> <li>• Coho, Chum: Commercial priority.</li> </ul>			
Area Priority	<ul style="list-style-type: none"> <li>• Areas 2T, 2U: Recreational priority with no commercial fishery through <b>October 1</b>;</li> <li>• <b>WDFW-managed commercial gillnet fisheries in the aggregate area areas 2T, 2U, 2M, 2N, 2R &amp; 2P shall be scheduled, if possible, so that in any given calendar week there are a minimum of five consecutive days when no state-managed commercial fisheries occur.</b></li> <li>• Areas 2M, 2N, 2R &amp; 2P: Commercial fisheries after <b>October 1</b> scheduled to meet conservation objectives.</li> </ul>			
Chinook Primary Populations	<b>Willapa</b> River & North River			
Hatchery Production	Hatchery	Chinook	Coho	Chum
	Forks	<b>0.4M</b> ↓	0.3M	0.3M
	Nemah	3.3M	-	0.3M
	Naselle	<b>3.3M</b> ↑	1.4M	0.3M
Chum Streamside Incubation	200,000 (current)			

Boxes	
Chum Fishery Management	<p data-bbox="656 239 1393 485">No commercial fisheries Oct. 15-31 until spawner goal achieved 2 consecutive years. If the number of natural-origin spawners was less than the goal in 3 out of the last 5 years (beginning in 2010), the Department shall implement the following measures:</p> <p data-bbox="656 579 1393 743">a) The predicted fishery impact for Chum in WDFW-managed fisheries in the Willapa Harbor &amp; tributary streams will not exceed 5% of the adult return to Willapa Harbor.</p>

## Option 4

### Aspirational Objectives

The aspirational objectives describe the suite of outcomes that we will strive to achieve through the development of the policy. They are intended to inspire the development of innovative strategies and promote the assessment of trade-offs between options. They are not entitlements, and it may not be feasible to simultaneously achieve all of the aspirational objectives.

#### Conservation

##### Chinook – Alternative 1

- Spawners: Meet Willapa, North, Palix, Nemah, Naselle and Bear spawner goals in 10 years
- Broodstock Management: Meet watershed-specific HSRG standards in 10 years

##### Coho

- Spawners: Meet Willapa, North, Palix, Nemah, Naselle and Bear spawner goals
- Broodstock Management: Meet watershed-specific HSRG standards

##### Chum

- Spawners: Meet Willapa, North, Palix, Nemah, Naselle and Bear spawner goals in 2017
- Broodstock Management: Meet watershed-specific HSRG standards

#### Recreational Fisheries

25% increase in catch within 5 years relative to 2009-2013 average

#### Commercial Fisheries

\$900,000 average ex-vessel value

## Option 4 (cont.)

### Synopsis:

- Current hatchery production
- Time and area priorities per guidance
- Commercial fisheries begin 9/15
- Commercial limited to only 2 days per week in 2T and 2U beginning 9/15
- Commercial limited to 3 or 4 days per week in all other areas beginning 9/15
- No directed commercial chum fisheries until spawner goal achieved

Policy Component	Proposal			
Species Priority	<ul style="list-style-type: none"> <li>• Chinook: Recreational priority with no commercial fishery through Sept. 14.</li> <li>• Coho, Chum: Commercial priority.</li> </ul>			
Area Priority	<ul style="list-style-type: none"> <li>• Areas 2T, 2U: Recreational priority with no commercial fishery through Sept. 14; maximum of 2 commercial fishing days/week in remainder of season.</li> <li>• Areas 2M, 2N, 2R &amp; 2P: Commercial fisheries after Sept. 14 scheduled to meet conservation objectives; maximum of 3 or 4 commercial fishing days/per week in remainder of season.</li> </ul>			
Chinook Primary Populations	Naselle River & North River(current)			
Hatchery Production	Hatchery	Chinook	Coho	Chum
	Forks	3.2M	0.3M	0.3M
	Nemah	3.3M	-	0.3M
	Naselle	0.5M	1.4M	0.3M
Chum Streamside Incubation Boxes	200,000 (current)			
Chum Fishery Management	No commercial fisheries Oct. 15-31 until spawner goal achieved			

## Option 5

- Shift primary Chinook designation from Naselle River to Willapa River.
- Shift Chinook production from Forks Creek Hatchery to Naselle Hatchery.
- Recreational priority for Chinook 2T and 2U
- Commercial priority for Chinook 2M, 2N, 2P and 2R
- Commercial fisheries begin 9/15 in 2T and 2U
- Commercial limited to only 2 days per week in 2T and 2U beginning 9/15
- No directed commercial chum fisheries until run size is confirmed by WDFW that spawner goal will be achieved and a harvestable surplus exist.

Policy Component	Proposal			
Species Priority	<ul style="list-style-type: none"> <li>• Chinook: Recreational priority with no commercial fishery through Sept. 14 2T and 2U.</li> <li>• Coho, Chum: Commercial priority bay wide.</li> </ul>			
Area Priority	<ul style="list-style-type: none"> <li>• Areas 2T, 2U: Recreational priority with no commercial fishery through Sept. 14; maximum of 2 commercial fishing days/week in remainder of season.</li> <li>• Areas 2M, 2N, 2R &amp; 2P: Commercial priority - 3 days prior to Aug. 15 followed by 2 day per week until Sept. 15. 7 days per week thereafter until chum run is known and escapement is verified.</li> </ul>			
Chinook Primary Populations	Willapa River & North River			
Hatchery Production	Hatchery	Chinook	Coho	Chum
	Forks	0.4M	0.3M	0.3M
	Nemah	3.3M	-	0.3M
	Naselle	3.3M ↑	1.4M	0.3 M
Chum Streamside Incubation Boxes	600,000 (3x current level)			

Chum Fishery Management

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No commercial fisheries

Oct. 15-31 until run size is confirmed by WDFW that spawner goal will be achieved an harvestable surplus exist.

## Option 6

### Aspirational Objectives

The aspirational objectives describe the suite of outcomes that we will strive to achieve through the development of the policy. They are intended to inspire the development of innovative strategies and promote the assessment of trade-offs between options. They are not entitlements, and it may not be feasible to simultaneously achieve all of the aspirational objectives.

#### Conservation

##### Chinook – Alternative 1

- Spawners: Meet **Willapa, North, Palix, Nemah, Naselle and Bear** spawner goals in 10 years
- Broodstock Management: Meet watershed-specific HSRG standards in 10 years

##### Coho

- Spawners: Meet **Willapa, North, Palix, Nemah, Naselle and Bear** spawner goals
- Broodstock Management: Meet watershed-specific HSRG standards

##### Chum

- Spawners: Meet **Willapa, North, Palix, Nemah, Naselle and Bear** spawner goals in 2017
- Broodstock Management: Meet watershed-specific HSRG standards

#### Recreational Fisheries

25% increase in catch within 5 years relative to 2009-2013 average

#### Commercial Fisheries

\$900,000 average ex-vessel value

**Option 6 (cont.)**

**Synopsis:**

- Shift primary Chinook designation from Naselle River to Willapa River
- Shift Chinook production from Forks Creek Hatchery to Naselle Hatchery
- Time and area priorities per guidance
- Commercial fisheries begin 9/15
- Commercial limited to only 2 days per week in 2T and 2U beginning 9/15
- **Commercial limited to only 3 or 4 days per week in all other areas beginning 9/15**
- No directed commercial chum fisheries until spawner goal achieved

Policy Component	Proposal			
Species Priority	<ul style="list-style-type: none"> <li>• Chinook: Recreational priority with no commercial fishery through Sept. 14.</li> <li>• Coho, Chum: Commercial priority.</li> </ul>			
Area Priority	<ul style="list-style-type: none"> <li>• Areas 2T, 2U: Recreational priority with no commercial fishery through Sept. 14; maximum of 2 commercial fishing days/week in remainder of season.</li> <li>• Areas 2M, 2N, 2R &amp; 2P: Commercial fisheries after Sept. 14 scheduled to meet conservation objectives; <b>maximum of 3 or 4 commercial fishing days/week in remainder of season.</b></li> </ul>			
Chinook Primary Populations	<b>Willapa River &amp; North River</b>			
Hatchery Production	Hatchery	Chinook	Coho	Chum
	Forks	0.4M ↓	0.3M	0.3M
	Nemah	3.3M	-	0.3M
	Naselle	3.3M ↑	1.4M	0.3M
Chum Streamside Incubation Boxes	200,000 (current)			
Chum Fishery Management	No commercial fisheries Oct. 15-31 until spawner goal achieved			

## Option 7

### Synopsis:

- Current hatchery production
- Time and area priorities per guidance
- Commercial fisheries begin 9/16
- Commercial limited to only 2 days per week in 2T and 2U beginning 9/16
- No directed commercial chum fisheries until spawner goal achieved

Policy Component	Proposal			
Species Priority	<ul style="list-style-type: none"> <li>• Chinook: Recreational priority with no commercial fishery through Sept. 15.</li> <li>• Coho, Chum: Commercial priority.</li> </ul>			
Area Priority	<ul style="list-style-type: none"> <li>• Areas 2T, 2U: Recreational priority with no commercial fishery through Sept. 15; maximum of 2 commercial fishing days/week in remainder of season.</li> <li>• Areas 2M, 2N, 2R &amp; 2P: Commercial fisheries after Sept. 15 scheduled to meet conservation objectives.</li> </ul>			
Chinook Primary Populations	Naselle River & North River(current)			
Hatchery Production	Hatchery	Chinook	Coho	Chum
	Forks	3.5M	0.3M	0.5M
	Nemah	2.0 M	1.4M	3.0M
	Naselle	0.5M	1.8M	3.0M
Chum Streamside Incubation Boxes	200,000 (current)			
Chum Fishery Management	No commercial fisheries Oct. 15-31 until spawner goal achieved			



## Option 8

### Synopsis:

- Shift primary Chinook designation from Naselle River to Willapa and North River.
- Shift Chinook production from Forks Creek and Nemah Hatchery to Naselle Hatchery
- Decreased Chinook production at Nemah, increase Chum and coho
- Increased streamside incubation boxes for chum
- Time and area priorities per guidance
- Commercial fisheries begin after August 15 in 2M and 2N only, limited to 2 days per week between Aug 16 and 9/14
- Commercial fisheries begin 9/15 in remaining areas
- Commercial limited to only 2 consecutive days per week in 2T and 2U beginning August 16 and 3 consecutive days per week beginning 9/15
- No directed commercial chum fisheries until goal achieved, except 2M and 2N beginning 2018

Policy Component	Proposal			
Species Priority	<ul style="list-style-type: none"> <li>• Chinook: Recreational priority with no commercial fishery through <b>16 August</b></li> <li>• Coho, Chum: Commercial priority</li> </ul>			
Area Priority	<ul style="list-style-type: none"> <li>• Area 2T, 2U: <b>Recreational priority with no commercial fishery through Sept. 14; maximum of 2 commercial fishing days/week. August 16 to Sept 15 maximum of 3 days/week</b></li> <li>• Areas 2M &amp; 2N; <b>Commercial fisheries begin after August 15 limited to 2 days per week between Aug 16 and 9/14</b></li> <li>• Areas 2P &amp; 2R: Commercial fisheries after Sept. 14 scheduled to meet conservation objectives.</li> </ul>			
Chinook Primary Populations	<b>Willapa River &amp; North River</b>			
Hatchery Production	Hatchery	Chinook	Coho	Chum
	Forks	<b>0.7M</b> ↓	0.3M	0.3M
	Nemah	<b>1.5M</b> ↓	<b>0.4M</b> ↑	<b>2M</b> ↑
	Naselle	<b>5M</b> ↑	1.4M	0.3M
Chum Streamside Incubation Boxes	<b>800,000</b> ↑			
Chum Fishery Management	<ul style="list-style-type: none"> <li>• Areas 2T, 2U, 2R, 2P – no commercial fisheries Oct. 15-31 until spawner goal achieved</li> <li>• <b>Areas 2M, 2N – commercial fisheries directed at returning Nemah Hatchery adult return no earlier than 2018</b></li> </ul>			

1. Change the 2N, 2T boundary line. Anchor the line at Goose Pt. and adjust it approx 1/4 mile south from its present location on the Long Beach peninsula. Rational: it will provide a greater buffer between the commercial and recreational fleet for the modified commercial season I'm proposing.

2. Start the commercial chinook season Aug 15-30 in areas 2N and 2M and reduce commercial effort to 1- 8 hour set/week. Rational: it allows the harvest of abundant hatchery stock earlier and will potentially help reach the \$900K ex-vessel target.

3. Since the 10% (?) guidance will be eliminated if the Nasalle is no longer a primary system, reestablish Nasalle as the major chinook production facility for the Willapa Bay system. By producing 5M chinook it may help the commercial fleet reach/maintain the \$900K ex-vessel target. Coupled with the decreased production at Forks Creek it may shift the commercial effort to areas ( 2N,2M) of greater opportunity.
4. Decrease chinook production at Nemah to 1.5M and shift part of the eliminated chinook production to Nasalle (see #3). This should also retain the enhanced in-river recreational opportunities.
5. Forks Creek: Decrease chinook production to 0.7M. The additional 300K may enhance recreational opportunity in 2T, 2U and upriver. This proposal should be considered only if the conservation objectives for wild stock on the Willapa and North river can be achieved.
6. Increase chum production to only 2.0M at Nemah and increase Chum streamside incubation boxes to 800K to provide additional harvest opportunities.

## Option 9

### Synopsis:

- Current hatchery production
- North River Closure for all fishery sectors:
  - Prior to August 15<sup>th</sup>: Channel marker 7 to channel marker 15
  - August 15<sup>th</sup> to September 14<sup>th</sup>: Channel marker 2 near Tokeland upstream to channel marker 19
- Commercial net release mortality: 40%

Policy Component	Proposal			
Species Priority	<ul style="list-style-type: none"> <li>• No species priority</li> </ul>			
Area Priority	<ul style="list-style-type: none"> <li>• Areas 2T, 2U, 2R and 2N open 3 days between August 10 and August 15 for commercial fishing.</li> <li>• Areas 2U, 2N and 2R open for 2-24 hr. periods per week between August 20 and Thursday before Labor Day for commercial fishing.</li> <li>• Areas 2U, 2N and 2R open for 2-24 hr. periods per week from Labor Day to September 10 for commercial fishing.</li> <li>• Areas 2U, 2N, 2R and 2T open for 4-24 hr. periods from September 11 to September 15 for commercial fishing.</li> <li>• Areas 2M, 2U, 2N, 2R and 2T open for 5-24 hr. periods per week from September 15 to October 5 for commercial fishing.</li> <li>• Areas 2M, 2U, 2N, 2R and 2T open 5 -24 hr. periods per week until chum impacts are reached from October 5 to October 15 for commercial fishing.</li> <li>• Areas 2M, 2U, 2N, 2R and 2T open 5-24 hr. periods per week from November 1 to November 19 for commercial fishing.</li> </ul>			
Chinook Primary Populations	Naselle River & North River(current)			
Hatchery Production	Hatchery	Chinook	Coho	Chum
	Forks	3.2M	0.3M	0.3M
	Nemah	3.3M	-	0.3M
	Naselle	0.5M	1.4M	0.3M
Chum Streamside Incubation Boxes	200,000 (current)			
Chum Fishery Management	Commercial fishery operates 5 days a week until chum impacts are reached.			



## Option 10

### Aspirational Objectives

The aspirational objectives describe the suite of outcomes that we will strive to achieve through the development of the policy. They are intended to inspire the development of innovative strategies and promote the assessment of trade-offs between options. They are not entitlements, and it may not be feasible to simultaneously achieve all of the aspirational objectives.

#### Conservation

##### Chinook – Alternative 1

- Spawners: Meet **Willapa, North, Palix, Nemah, Naselle and Bear** spawner goals in 10 years
- Broodstock Management: Meet watershed-specific HSRG standards in 10 years

##### Coho

- Spawners: Meet **Willapa, North, Palix, Nemah, Naselle and Bear** spawner goals
- Broodstock Management: Meet watershed-specific HSRG standards

##### Chum

- Spawners: Meet **Willapa, North, Palix, Nemah, Naselle and Bear** spawner goals in 2017
- Broodstock Management: Meet watershed-specific HSRG standards

#### Recreational Fisheries

25% increase in catch within 5 years relative to 2009-2013 average

#### Commercial Fisheries

\$900,000 average ex-vessel value

**Option 10 (cont.)**

- Shift primary Chinook designation from Naselle River to Willapa River
- Shift Chinook production from Forks Creek Hatchery to Naselle Hatchery
- Recreational priority for Chinook in 2T and 2U
- Commercial and Freshwater Recreational priority for Chinook in 2M, 2N, 2R and 2P
- Commercial fisheries begin September 15<sup>th</sup> in 2T and 2U
- Commercial limited to only 2 days per week in 2T and 2U beginning 9/15
- No directed commercial chum fisheries October 15-31, until spawner goal achieved

Policy Component	Proposal			
Species Priority	<ul style="list-style-type: none"> <li>• Chinook: Recreational priority with no commercial fishery through Sept. 14 in 2T and 2U.</li> <li>• Coho, Chum: Commercial priority.</li> </ul>			
Area Priority	<ul style="list-style-type: none"> <li>• Areas 2T, 2U: Recreational priority with no commercial fishery through Sept. 14; maximum of 2 commercial fishing days/week in remainder of season.</li> <li>• Area 2N: 1 day prior to Aug 15<sup>th</sup>, followed by 2 days per week until Sept 7<sup>th</sup>. Maximum of 5 days per week for the remainder of the season.</li> <li>• Areas 2M, 2R and 2P: 3 days prior to Aug 15<sup>th</sup>, followed by 2 days per week until Sept 15<sup>th</sup>. Maximum of 5 days per week for the remainder of the season.</li> </ul>			
Chinook Primary Populations	Willapa River & North River			
Hatchery Production	Hatchery	Chinook	Coho	Chum
	Forks	0.4M ↓	0.3M	0.3M
	Nemah	3.3M	-	0.3M
	Naselle	3.3M ↑	1.4M	0.3M
Chum Streamside Incubation Boxes	200,000 (current)			
Chum Fishery Management	No commercial fisheries Oct. 15-31 until spawner goal achieved			