



# Recreational Discussion – 3/28/2018



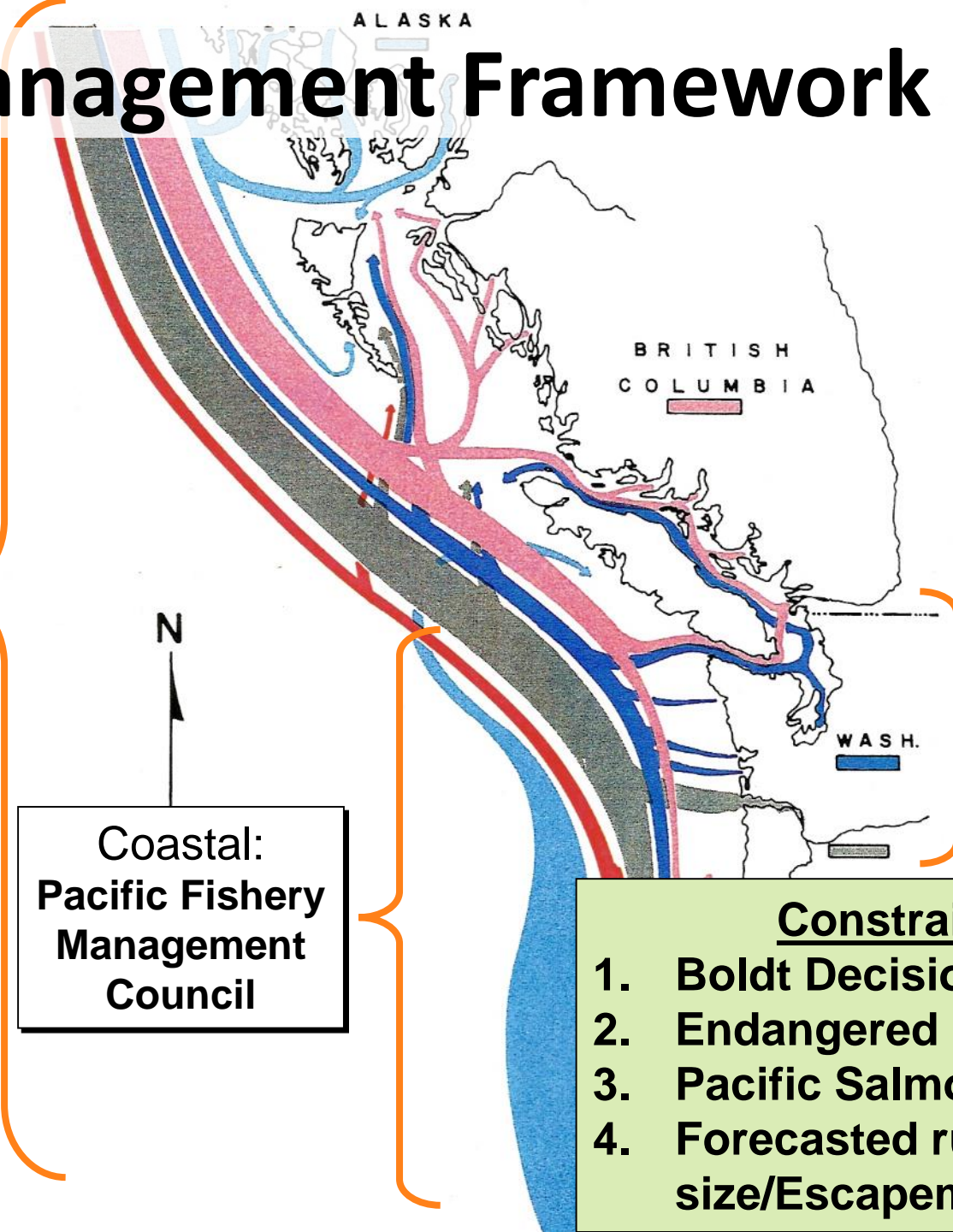
# Outline of Presentation

The background of the slide is a photograph of a fishing net on a boat. The net is made of dark, heavy-duty mesh and is suspended from the side of the boat. The boat's wooden railing and a portion of a black outboard motor are visible in the lower right corner. The water is dark and calm, and the sky in the background is a mix of orange, yellow, and grey, suggesting a sunset or sunrise. The overall scene is somewhat dimly lit, with the primary light source being the low sun.

- **Salmon Management Framework**
  - North of Falcon
- **Issues List**
- **Rule Simplification**
- **Public Comment**
- **Southern Resident Killer Whales**



# Management Framework



Coast wide:  
**Pacific  
Salmon  
Commission**

Coastal:  
**Pacific Fishery  
Management  
Council**

Inside:  
**WDFW,  
ODFW,  
Tribes**

- Constraints**
- 1. Boldt Decision**
  - 2. Endangered Species Act**
  - 3. Pacific Salmon Treaty**
  - 4. Forecasted run size/Escapement Goals**

# North of Falcon Process

1. Forecast the abundance of each stock.
2. Determine if there is a harvestable surplus.
3. Propose fisheries - predict what we will catch.
4. Model fisheries to determine which stocks are of conservation concern, constraining fisheries.
5. Negotiate with tribes and other states for fair sharing of catch and stocks that are constraining.
6. Final agreed-to State and Tribal salmon fisheries (ocean, Puget Sound) are described in the "List of Agreed Fisheries" document.

# Puget Sound Chinook Forecast Comparisons

Basin	Wild		
	2017	2018	Comparison
Hoko	606	1,071	1.77
Dungeness	77	89	1.16
Elwha	153	238	1.56
Nooksack springs	225	202	0.90
Skagit springs	2,785	2,317	0.83
Skagit summer/falls	15,837	13,340	0.84
Stillaguamish	438	487	1.11
Snohomish	3,412	3,460	1.01
Lake Washington	948	1,461	1.54
Green	2,374	2,110	0.89
Puyallup	945	672	0.71
White River springs	593	528	0.89
Nisqually	478	586	1.23
Skokomish	1,956	3,532	1.81
Mid Hood Canal	326	358	1.10
Total (others included)	31,330	29,380	0.94

# Puget Sound Chinook Forecast Comparisons

Basin	Hatchery		
	2017	2018	Comparison
Hoko	820	398	0.49
Dungeness	256	707	2.76
Elwha	3,016	4,931	1.63
Nooksack/Samish	21,225	24,558	1.16
Snohomish	4,780	6,508	1.36
Lake Washington	3,722	4,761	1.28
Green	13,988	21,321	1.52
Puyallup	3,804	11,778	3.10
Nisqually	22,191	28,514	1.28
Hood Canal	48,305	57,558	1.19
Total (others included)	177,001	227,417	1.28

# Puget Sound Coho Forecast Comparisons

Basin	Wild		
	2017	2018	Comparison
Dungeness	918	505	0.55
Elwha	513	718	1.40
other Strait	13,058	7,168	0.55
<b>Nooksack/Samish</b>	<b>13,235</b>	<b>20,574</b>	<b>1.55</b>
<b>Skagit</b>	<b>11,160</b>	<b>59,196</b>	<b>5.30</b>
<b>Stillaguamish</b>	<b>7,622</b>	<b>18,950</b>	<b>2.49</b>
<b>Snohomish</b>	<b>107,325</b>	<b>65,925</b>	<b>0.61</b>
<b>Lake Washington</b>	<b>2,160</b>	<b>2,018</b>	<b>0.93</b>
<b>Green</b>	<b>3,852</b>	<b>3,320</b>	<b>0.86</b>
<b>Puyallup</b>	<b>7,560</b>	<b>4,964</b>	<b>0.66</b>
<b>Nisqually</b>	<b>3,290</b>	<b>1,268</b>	<b>0.39</b>
<b>Deschutes</b>	<b>67</b>	<b>59</b>	<b>0.88</b>
<b>Skokomish</b>	<b>24,277</b>	<b>1,334</b>	<b>0.06</b>
<b>other Hood Canal</b>	<b>96,020</b>	<b>59,770</b>	<b>0.62</b>
<b>Total (others included)</b>	<b>294,360</b>	<b>249,174</b>	<b>0.85</b>

# Puget Sound Coho Forecast Comparisons

Basin	Hatchery		
	2017	2018	Comparison
Dungeness	10,203	9,087	0.89
Nooksack/Samish	45,609	61,256	1.34
Skagit	7,551	13,101	1.74
Snohomish	61,958	38,303	0.62
Lake Washington	18,218	12,984	0.71
Green	39,924	48,032	1.20
Puyallup	19,951	17,985	0.90
Nisqually	871	952	1.09
Port Gamble	12,070	12,680	1.05
Quilcene	36,261	49,605	1.37
other Hood Canal	43,724	41,380	0.95
Total (others included)	300,713	307,975	1.02



# Chinook Management Objectives

Management Unit	Co-Manager Proposal	NOAA Guidance
Nooksack Spring	10.5% SUS ER	10.5% SUS ER
Skagit Summer/Fall	47% Total/ 15% SUS	45% Total
Skagit Spring-run	38% Total / 18% SUS	23% Total
Stillaguamish River	24% Total / 13% SUS max	24% Total / 13% SUS max
Snohomish River	21% Total	18% Total
Lake Washington	500 Escapement (13% PT SUS)	18% SUS
Green River	2,013 Escapement (13 PT SUS)	31% Total
White River Spring-run	22% SUS	22% SUS
Puyallup	797 Escapement (13% PT SUS)	44% Total
Nisqually	49% Total (47% + 2% exp selective fishery)	49% Total (47% + 2% exp selective fishery)
Skokomish fall-run	50% total	44% Total
Mid Hood Canal	12% PT SUS	12% PT SUS
Dungeness	10% SUS	10% SUS
Elwha	10% SUS	10% SUS

# Coho Management Objectives 2018

Puget Sound Wild Management Units	2018 Adult Forecast Ocean Age 3	2018 Assigned FMP Status	Total ER Ceiling
Strait of Juan de Fuca	7168	Critical	20%
Hood Canal	59530	Normal	65%
Skagit	59196	Low	35%
Stillaguamish	18950	Low	35%
Snohomish	65925	Low	40%

# Recreational Challenges-2018

- Timely agreement (1yr ESA coverage)
- Chinook management objectives
  - Constraining stocks
    - Chinook: Nooksack early, Mid Hood Canal, Lake Washington
    - Coho: Queets, Straits Tribs, Snohomish
- In-season action (primarily winter seasons)
- Meaningful angler opportunity
  - Coho
  - Catch-and-release seasons
- Skokomish
- Additional Orca protection?

# Ideas that have already been presented

- North Hood Canal MSF for Chinook
- Return of Coho seasons to 2015 levels.
- Return of Catch and Release June Area 10 (Coho?)
- Later start or additional Chinook time in Area 10 in the summer.
- Skagit River Coho



# Southern Resident Killer Whales



*Dave Ellifrit, Center for Whale Research*





# A Population in Trouble





# Why Do We Love Them?

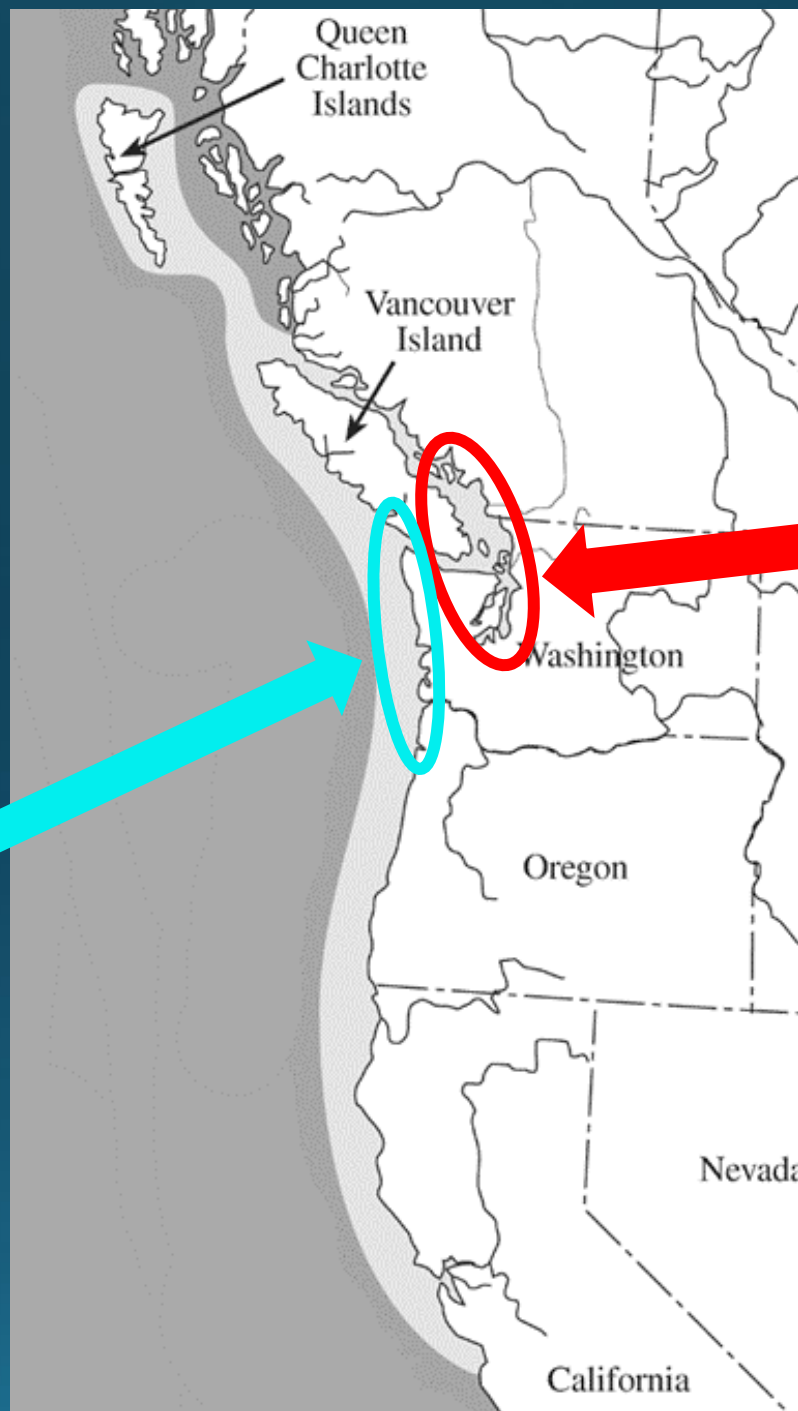


- Our heritage
- Economics
- We can relate
- Healthy whales, healthy waters



Top: Astrid van Ginneken, Bottom: Center for Whale Research

# Southern Resident Range



**K & L Pod  
Winter**

**Summer  
&  
J Pod  
Winter**





# Major Threats

- Reduced abundance of salmon
- Vessel interactions and sound- prey availability
- Chemical contaminants and potential oil spills



Associated Press photo



**What Is Being Done?**

**What More Can Be Done?**



# Vessels and Noise

## Boating/Whale Watching

- Enforcement & outreach
- Potential additional regs, measures

## Shipping/Large Vessels

- Canada pilot go-slow times & areas
- Vessel innovations/retrofits



# Contaminants & Potential Oil Spills

- Reductions in inputs of contaminants from stormwater, wastewater, other sources
- Technology and hazing preparations to keep whales away from oil spill areas







# Prey Abundance

## Hatchery

- Recent decreases
- Prioritizing stocks and hatcheries for increases

## Habitat

- Protection
- Restoration





# Prey Abundance

## Hydropower

- Improved infrastructure
- Increased water spill

## Predation

- Lower Columbia pinniped/bird management
- Protect and restore forage fish
- Research/feasibility assessment





# Prey Abundance

## Harvest

- Harvest has already declined significantly
- Pacific Salmon Treaty
- Canada's proposal for area/time adjustments

**We Need Your Input And  
Ideas During the NOF Process**

# Questions? Ideas?



*Clint Rivers, Eagle Wing Tours*



# Recreational Rule Simplification

- Part of a 3-Year Project to simplify regulations
  - ✓ 2017 Gamefish
  - 2018 Salmon
  - 2019 Marine Fish and Shellfish
- Introduction at NOF Forecast meetings
  - Basic Tenets
  - Broad Proposals
  - Brainstorming with Public
- Based on brainstorming, refine broad proposals and develop waterbody specific proposals

# Recreational Rule Simplification

- Share specific proposals at future meetings.
- Likely:
  - March 19 Columbia River
  - March 20 NOF #1
  - March 27 Columbia/Snake
  - March 27 South Puget Sound
  - March 28 Mill Creek
  - April 3 Lynwood NOF #2
- Concepts are unrefined at this time
- Will develop quickly as NOF progresses
- Public will need to continue to track

# Recreational Rule Simplification

- Basic Tenets

- Consider implications at a population level versus individual fish level
- Stop adding complexity
- Reduce the number of stream reaches
- Standardize opening and closing dates
- Standardize the daily limit (recognizing conservation needs)
- Decouple salmon and steelhead limits
- Eliminate layered gear restrictions

- Constraints

- Tribal co-manager agreement
- Columbia River requires discussion with Oregon and needs to accommodate their process
  - They are targeting January 1, 2019

# Recreational Rule Simplification

- Broad Proposals
  - Daily limit
    - 6 fish, no more than 2 adults
    - 6 fish, no more than 2 adults. Bonus fish where needed.
    - Combine jacks and adults with a limit of 2, 3, or 4 per day
    - 2 adults, no limit on jacks
  - Gear Restrictions
    - One gear restriction for all salmon fisheries?
  - Boat Limit/Party Fishing
    - Allow everywhere?
  - 2-Pole
    - Allow everywhere except quota fisheries and most marine areas?
  - Fish Handling Rules
    - Eliminate?





# Public Comment

**On-line commenting – March-April**

**<http://wdfw.wa.gov/fishing/northfalcon/>**

**Puget Sound Recreational Fishing Advisory Group**

**<http://wdfw.wa.gov/about/advisory/pssfag/>**

**Public Meetings**

**~~March 9-14 – PFMC #1, DoubleTree, Sonoma, CA~~**

**~~March 15 – Sequim Trinity Methodist Church, 7pm~~**

**~~March 20 – North of Falcon #1, Olympia, 9am~~**

**~~March 27 – SS-HC, Lacey Com Center, 6pm~~**

**~~March 28 – NPS, WDFW Office Mill Creek, 6pm~~**

**~~April 3 – North of Falcon #2, Lynnwood Embassy Sts, 9:30 am~~**

**~~April 6-11 – PFMC #2, Sheraton Portland Airport Hotel~~**

Stock	Alt 1 (Chin1018)				Alt 2 (Chin1118)				Alt 3 (Chin1218)			
	Tot. ER	SUS ER	SUS PT ER	Natural Escape-ment	Tot. ER	SUS ER	SUS PT ER	Natural Escape-ment	Tot. ER	SUS ER	SUS PT ER	Natural Escape-ment
<b>Spring/Early:</b>												
<b>Nooksack (n) - Total</b>	51.0%	<b>15.3%</b>	11.7%	193	50.5%	<b>14.5%</b>	10.9%	194	50.0%	<b>13.8%</b>	10.1%	195
North Fork				171				172				173
South Fork				22				22				22
<b>Skagit (n) - Total</b>	<b>31.1%</b>	20.3%	5.8%	1,918	<b>30.9%</b>	20.1%	5.5%	1,920	<b>30.7%</b>	19.9%	5.3%	1,922
Upper Sauk				1,082				1,083				1,085
Upper Cascade				254				254				255
Suiattle				581				582				582
<b>White</b>	28.4%	<b>20.5%</b>	9.5%	1,929	27.8%	<b>19.9%</b>	8.8%	1,936	27.7%	<b>19.7%</b>	8.6%	1,939
<b>Dungeness</b>	14.3%	<b>4.7%</b>	4.6%	777	14.2%	<b>4.6%</b>	4.5%	778	14.0%	<b>4.4%</b>	4.3%	778
<b>Summer/Fall:</b>												
<b>Skagit - Total</b>	<b>37.3%</b>	14.9%	4.9%	12,138	<b>37.2%</b>	14.8%	4.7%	12,160	<b>37.0%</b>	14.6%	4.5%	12,181
Upper Skagit				9,047				9,063				9,079
Sauk				603				604				605
Lower Skagit				2,212				2,216				2,220
<b>Stillaguamish (n) - Total</b>	21.2%	<b>11.8%</b>	7.4%	452	21.1%	<b>11.7%</b>	7.3%	452	20.9%	<b>11.5%</b>	7.1%	453
North Fork Summer												
South Fork Fall												
<b>Snohomish (n) - Total</b>	<b>20.4%</b>	10.1%	8.7%	3,322	<b>20.1%</b>	9.8%	8.3%	3,331	<b>19.7%</b>	9.4%	7.9%	3,339
Skykomish				2,588				2,595				2,602
Snoqualmie				734				736				737
<b>Lake Wa. (Cedar R.)</b>	32.2%	<b>21.3%</b>	13.8%	1,736	30.9%	<b>20.0%</b>	12.4%	1,758	29.9%	<b>18.8%</b>	11.3%	1,776
<b>Green</b>	39.0%	28.1%	<b>13.8%</b>	6,112	37.8%	26.8%	<b>12.4%</b>	6,202	36.8%	25.7%	<b>11.3%</b>	6,275
<b>Puyallup</b>	<b>52.0%</b>	41.1%	13.8%	1,988	<b>51.1%</b>	40.1%	12.4%	2,013	<b>50.4%</b>	39.3%	11.3%	2,035
<b>Nisqually</b>	<b>47.2%</b>	38.2%	12.5%	1,357	<b>46.1%</b>	37.0%	10.8%	1,381	<b>45.2%</b>	36.0%	9.4%	1,401
<b>Western Strait-Hoko</b>	20.4%	<b>2.4%</b>	2.4%	1,269	20.1%	<b>2.0%</b>	2.0%	1,270	19.9%	<b>1.7%</b>	1.7%	1,272
<b>Elwha</b>	15.0%	<b>5.1%</b>	5.0%	4,551	14.9%	<b>5.0%</b>	4.9%	4,552	14.7%	<b>4.7%</b>	4.7%	4,556
<b>Mid-Hood Canal tribs. (n)</b>	24.0%	13.7%	<b>13.5%</b>	357	22.6%	12.3%	<b>12.0%</b>	361	21.2%	10.7%	<b>10.5%</b>	365
<b>Skokomish</b>	<b>49.0%</b>	38.7%	13.8%	2,361	<b>48.1%</b>	37.7%	12.3%	2,389	<b>47.1%</b>	36.7%	10.8%	2,420

Lower Col Nat Tule ER Cap = 38%

Lower Col Nat Tule ER = 41.0

FRAM Description: 65K NT; 50K T

2017 Puget Sound Fisheries

Lower Col Nat Tule ER = 39.3

FRAM Description: 55K NT; 40K T

2017 Puget Sound Fisheries

Lower Col Nat Tule ER = 37.4

FRAM Description: 45K NT; 30K T

2017 Puget Sound Fisheries

## Final March PFMC Model Runs



**Chinook and coho harvest quotas for March PFMC 2018 proposed ocean salmon fishery management options.**

Fishery or Quota Designation	Chinook TACs for Option			Coho TACs for Option		
	I - High	II - Mid	III - Low	I - High	II - Mid	III - Low
Model Run:	Chin1018	Chin1118	Chin1218	Coho1811	Coho1812	Coho1813
TREATY INDIAN OCEAN TROLL	50,000	40,000	30,000	40,000	22,000	12,500
May-June quota:	25,000	20,000	15,000			
July-Sept quota:	25,000	20,000	15,000			
NON-INDIAN COMMERCIAL TROLL (coho MSF)	32,500	27,500	22,500	5,600	5,600	3,200
RECREATIONAL (coho MSF)	32,500	27,500	22,500	42,000	29,400	16,800
NON-INDIAN TOTAL	65,000	55,000	45,000	47,600	35,000	20,000
TOTAL NORTH OF CAPE FALCON	115,000	95,000	75,000	87,600	57,000	32,500

STT FRAM models contain the March 2018 PFMC ocean options combined with last year's Puget Sound 2017 fishery inputs.

Incomplete List of Coho Potential 'Driver Stocks'	2018 Coho Updated	Relevant Coho Modeling Outputs:						ER Cap or PFMC Escapement Floor 2	
		Option I (Ocean ER)		Option II (Ocean ER)		Option III (Ocean ER)			
Interior Fraser River (IFR), "Thompson"	13-Mar-18	US ER	10.2%	5.0%	8.2%	3.0%	6.9%	1.7%	< 10% US ER
Oregon Coastal Natural (OCN)		Total ER	14.8%	13.3%	12.7%	11.1%	14.9%	13.3%	15% Total ER
Lower Columbia River Natural (LCN)		Total ER	15.8%	11.1%	15.0%	9.5%	11.6%	5.9%	18% Total ER
Grays Harbor Natural		Ocean Escapement	39,429		40,225		40,724		35,400
Queets River Natural		Ocean Escapement	5,882		6,107		6,314		5,800
Hoh River Natural		Ocean Escapement	4,968		5,215		5,397		2,000
Quillayute River Fall Natural		Ocean Escapement	9,960		10,135		10,293		6,300
Strait of Juan De Fuca Natural		SUS ER	7.0%	4.1%	5.3%	2.4%	4.7%	1.8%	< 10% SUS ER
Hood Canal Natural		Total ER	43.1%	5.0%	41.9%	3.0%	41.1%	1.7%	< 65% Total ER
Skagit River Natural		SUS ER	10.6%	4.8%	8.7%	2.8%	7.5%	1.6%	< 35% SUS ER
Stillaguamish River Natural		SUS ER	9.6%	3.3%	8.4%	2.0%	7.5%	1.1%	< 35% SUS ER
Snohomish River Natural		SUS ER	21.0%	3.3%	19.7%	2.0%	18.9%	1.1%	< 40% SUS ER

<sup>2</sup> DRAFT: Co-manager discussions are on-going and have not reached agreement on 2018 objectives....

2018 Chinook Council DriverStocks	Total ER	Relevant Chinook Modeling Outputs:			Chinook Updated 13-Mar-18	ER Cap 38.0%
		Option I	Option II	Option III		
Lower Columbia River Natural Tules		41.0%	39.3%	37.4%		
Puget Sound natural production stocks		See Puget Sound TAMM Table 2 handout				

**Puget Sound Freshwater Recreational Chinook Seasons 2018-19 Proposal**

Nooksack	M	Skykomish	M	Sammamish	NR	Nisqually	M
Samish	NS	Skagit/Cascade	M	Puyallup	M	Skokomish	
Elliot Bay SAF	NS	Sinclair Inlet	M	Tulalip Bubble	NS	Year-round piers	NS
Duwamish	NS						

3/27/2018

**Puget Sound Freshwater Recreational Coho Seasons 2018-19 Proposal**

Dungeness	M	Cascade Lk	NS	Sammamish	NS	Nisqually		Year-round piers	NS
Nook/Samish	NS	Stillaguamish		Green	NS	Quilcene	NS	Tulalip	NS
Skagit	NS	Snohomish	NS	Puyallup	NS	Skokomish	TBD		
		Lake WA	NS						

NR Non-Retention     
 NS non-sel     
 M Mark selective     
   Closed

### Puget Sound Recreational Chinook Seasons 2018-19 Proposal

Area	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
5			M M M NR NR NR								M M M M M	
6			M M M M NR NR				M M	M M M M M M M				
7			M M NS NS NS NS					M M M M M M M M M				
81				NR NR NR NR				M M M M M M M M M				
82				NR NR NR NR				M M M M M M M M M				
9			NR M M NR NR NR					M M M M M M M M M				
10		NR NR NR M M M NR NR				NR NR	M M	M M M M M M M M M				
11		M M M M M M M M				M M	M M	M M M M M M M M M				
12 NoA			NR NR NR NR NR NR			M M	M M	M M M M M M M M M				
12 SoA			M M M M M M M M			M M	M M	M M M M M M M M M				
13	M M M M M M M M M M					M M	M M	M M M M M M M M M				

### Puget Sound Recreational Coho Seasons 2018-19 Proposal

Area	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
5			M M M M M M								M M M M M	
6			M M M M M M				NR NR	NR NR	M M M M M M M			
7			NS NS NS NS NS NS					NR NR NR NR NR NR NR NR NR				
81				NS NS NS NS				NR NR NR NR NR NR NR NR NR				
82				NS NS NS NS				NR NR NR NR NR NR NR NR NR				
9			M M M M M M					M M M M M M M M M				
10		NS NS NS NS NS NS NS NS				NS NS NS NS	NS NS	NS NS NS NS NS NS NS NS NS NS				
11	NS NS											
12 NoA			NS NS									
12 SoA			NS NS									
13	M M											

**NR** Non-Retention

**NS** non-sel

**M** Mark selective

**█** Closed