

To join via telephone: Dial 253-215-8782 or toll-free at 877-853-5247 (Webinar ID:  
724-695-178)

Questions about Web meeting: [twendel@rossstrategic.com](mailto:twendel@rossstrategic.com)

**NOF # 2**  
**March 31, 2020**



# Outline of Presentation and Meeting

- Welcome and Intro
- Covid-19 and the North of Falcon Process
- Salmon Management Framework & North of Falcon
- Update on Mid HC Management Objective
- Update on SRKW & fishery planning
- Chinook and Coho Forecasts
- Current proposed seasons and modeling
- Issues List
- Public Comment

\*\*\*We will have break periods during the meeting.

1<sup>st</sup> break at 10:45. 2<sup>nd</sup> break TBD\*\*\*

# COVID-19 and NOF

- Primary concern is for the health and safety of our employees and constituents
- All in person public meetings are cancelled and will be replaced with livestream, teleconference, and other digital formats that will ensure processes continue and information is disseminated.
- The final PFMC meeting scheduled for next week in Vancouver has been moved to a digital only format. Specific information can be found at <https://www.pcouncil.org/>
- Check the WDFW often for all related materials, recordings of meetings, public comment sections.  
<https://wdfw.wa.gov/fishing/management/north-falcon>

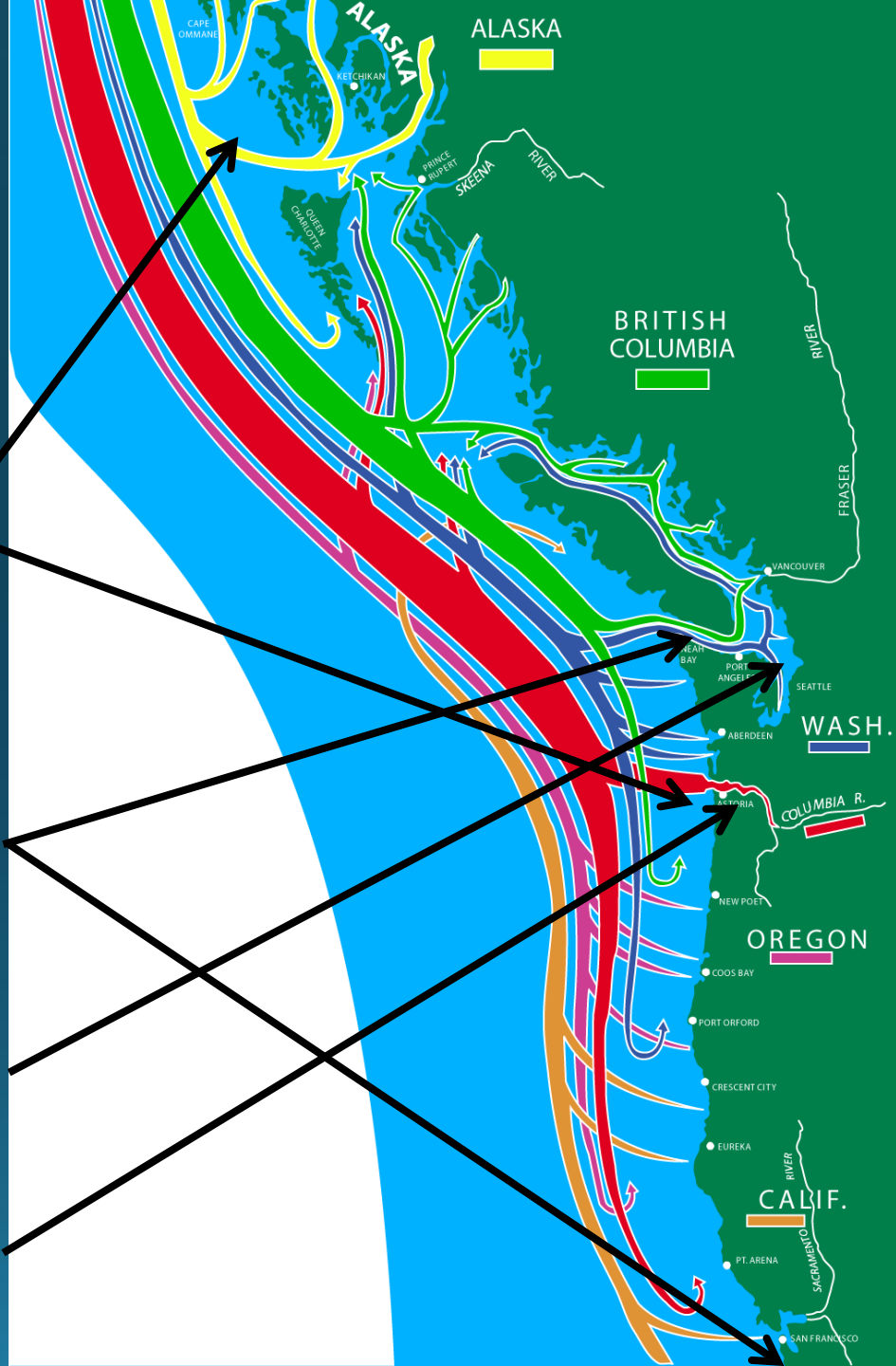
# Complex, multi-jurisdictional processes

Pacific Salmon Treaty

Pacific Fishery Management Council

U.S. v Washington

U.S. v Oregon



# Puget Sound Comanagement framework

- Puget Sound Salmon Management Plan (1985)
- Hood Canal Salmon Management Plan (1986)
- Stipulation on Mass Marking (1997)
- Comprehensive Coho Management Plan (1998)
- Puget Sound Chinook Harvest Management Plan (2004, 2010, 2020?)
- Summer Chum Salmon Conservation Initiative (2000)
- Equilibrium/Future Brood Document
- Annual List of Agreed Fisheries
- Annual watershed management plans / MOUs
- Misc. MOU's



# North of Falcon Process

**1. FORECAST THE  
ABUNDANCE OF EACH  
STOCK.**

**2. DETERMINE IF THERE IS A  
HARVESTABLE SURPLUS.**

**3. PROPOSE FISHERIES.**

**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 IMPACTS ON 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.**

# Mid Hood Canal Chinook Management Objective

- **State and Tribes have not agreed on what recent and future changes to our Chinook fishery modeling tool mean for adjustments to management objectives**
- **Multiple meetings and proposals have been shared on the MHC objective and a pathway to agreement.**
- **As of today, no agreement reached on an objective.**
- **All co-managers scheduled to meet on this issue later this week**



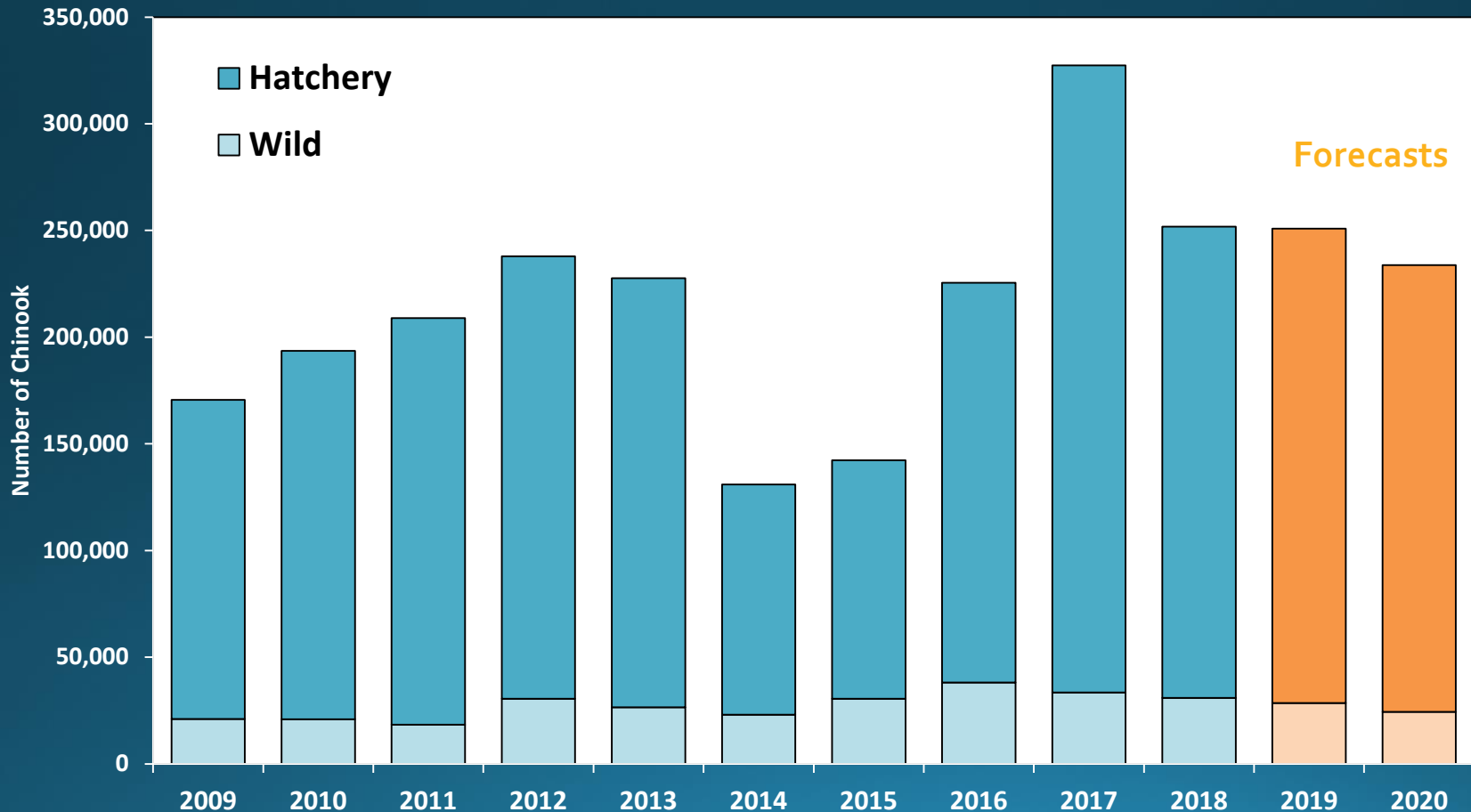
# Southern Resident Killer Whales & Fisheries

- In April 2019, the Pacific Fishery Management Council tasked an Ad-Hoc Workgroup with reassessing the effects of Council-area ocean salmon fisheries on Southern Resident Killer Whales
- Workgroup has held series of public meetings, and drafted a Risk Assessment Framework – available on the Briefing Book page for the March Council meeting - <https://www.pcouncil.org/documents/2020/02/e-3-a-srkw-workgroup-report-1-electronic-only.pdf/>
- The Workgroup will continue their process after NOF to develop potential Fishery Management Plan measures for SRKW based on the risk assessment
- NMFS has provided their annual guidance letter to the Council, and included a Chinook abundance-based method for assessing whether additional ocean fishery restrictions are warranted in 2020
- NMFS and the comanagers will be assessing 2020 Puget Sound fisheries for potential effects on SRKW as well



# Puget Sound Chinook Forecast Summary

- Hatchery stocks **↑ 14%** from recent 10 year avg
- Wild stocks **↓ 6%** from recent 10 year avg



# Puget Sound Chinook Forecast Comparisons

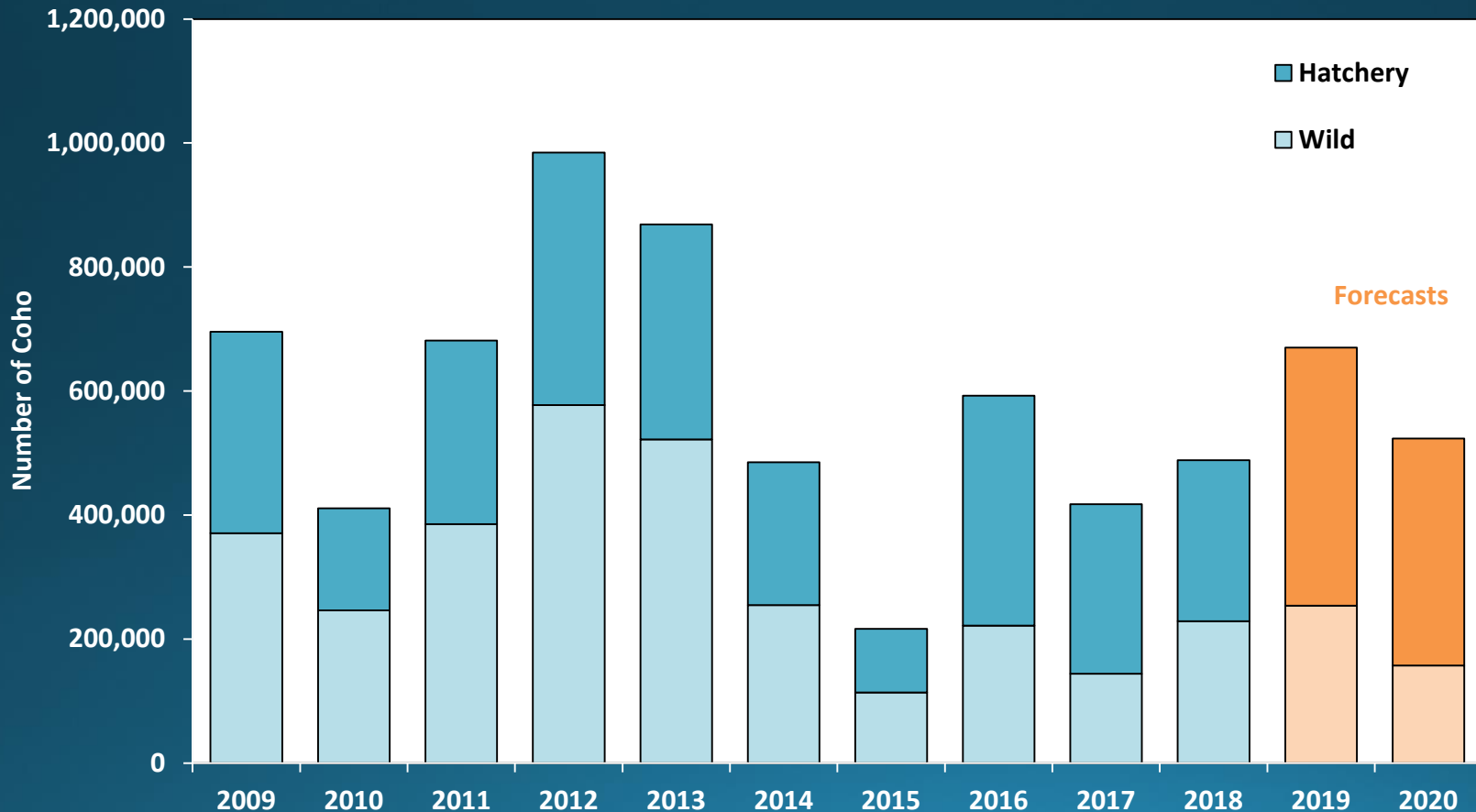
| <u>Basin</u>                   | <u>Wild</u>   |               |             |
|--------------------------------|---------------|---------------|-------------|
|                                | 2019          | 2020          | Comparison  |
| Hoko                           | 1,438         | 1,411         | 0.98        |
| Dungeness                      | 282           | 288           | 1.02        |
| Elwha                          | 333           | 187           | 0.56        |
| Nooksack springs               | 248           | 404           | 1.63        |
| Skagit springs                 | 2,003         | 1,605         | 0.80        |
| Skagit summer/falls            | 13,825        | 12,877        | 0.93        |
| <b>Stillaguamish</b>           | <b>354</b>    | <b>359</b>    | <b>1.01</b> |
| Snohomish                      | 3,222         | 2,978         | 0.92        |
| Lake Washington                | 1,063         | 807           | 0.76        |
| Green                          | 4,833         | 2,396         | 0.50        |
| Puyallup                       | 1,724         | 1,674         | 0.97        |
| White River springs            | 573           | 493           | 1.16        |
| Nisqually                      | 840           | 921           | 1.09        |
| Skokomish                      | 520           | 503           | 1.14        |
| <b>Mid Hood Canal</b>          | <b>285</b>    | <b>39</b>     | <b>0.14</b> |
| <b>Total (others included)</b> | <b>32,947</b> | <b>28,909</b> | <b>0.87</b> |

# Puget Sound Chinook Forecast Comparisons

| <u>Basin</u>                   | <u>Hatchery</u> |                |             |
|--------------------------------|-----------------|----------------|-------------|
|                                | 2019            | 2020           | Comparison  |
| Hoko                           | 1,233           | 829            | <b>0.67</b> |
| Dungeness                      | 657             | 503            | <b>0.77</b> |
| Elwha                          | 7,066           | 3,973          | <b>0.56</b> |
| Nooksack springs               | 6,820           | 6,119          | <b>0.90</b> |
| Skagit springs                 | 4,113           | 4,093          | <b>0.99</b> |
| Skagit summer/falls            | 309             | 469            | <b>1.52</b> |
| Stillaguamish                  | 566             | 542            | <b>0.96</b> |
| Snohomish                      | 7,225           | 6,754          | <b>0.96</b> |
| Lake Washington                | 4,266           | 3,787          | <b>0.89</b> |
| Green                          | 21,498          | 23,420         | <b>1.09</b> |
| Puyallup                       | 13,007          | 11,465         | <b>0.88</b> |
| White River springs            | 2,050           | 1,537          | <b>0.75</b> |
| Nisqually                      | 20,581          | 16,934         | <b>0.82</b> |
| Skokomish                      | 37,160          | 37,876         | <b>1.02</b> |
| <b>Total (others included)</b> | <b>235,457</b>  | <b>221,081</b> | <b>0.94</b> |

# Puget Sound Coho Forecast Summary

- Hatchery stocks **↑ 32%** from recent 10 year avg.
- Wild stocks **↓ 48%** from recent 10 year avg.



# Puget Sound Coho Forecast Comparisons

| Basin                          | Natural        |                |             |
|--------------------------------|----------------|----------------|-------------|
|                                | 2019           | 2020           | Comparison  |
| Dungeness                      | 2,821          | 955            | <b>0.34</b> |
| Elwha                          | 1,363          | 2,184          | <b>1.60</b> |
| other Strait                   | 8,800          | 9,269          | <b>1.05</b> |
| Nooksack/Samish                | 23,165         | 15,088         | <b>0.65</b> |
| Skagit                         | 57,933         | 29,492         | <b>0.51</b> |
| Stillaguamish                  | 23,820         | 19,462         | <b>0.81</b> |
| <b>Snohomish</b>               | <b>62,600</b>  | <b>39,020</b>  | <b>0.62</b> |
| Lake Washington                | 2,770          | 668            | <b>0.24</b> |
| Green                          | 3,001          | 1,361          | <b>0.45</b> |
| Puyallup                       | 988            | 949            | <b>0.96</b> |
| Nisqually                      | 824            | 981            | <b>1.20</b> |
| Deschutes                      | 574            | 27             | <b>0.05</b> |
| Skokomish                      | 11,015         | 2,105          | <b>0.19</b> |
| Other Hood Canal               | 29,925         | 33,356         | <b>1.11</b> |
| <b>Total (others included)</b> | <b>293,980</b> | <b>157,214</b> | <b>0.53</b> |



# Puget Sound Coho Forecast Comparisons

| Basin                          | Hatchery       |                |             |
|--------------------------------|----------------|----------------|-------------|
|                                | 2019           | 2020           | Comparison  |
| Dungeness                      | 9,760          | 15,954         | <b>1.63</b> |
| Elwha                          | 3,433          | 1,525          | <b>0.44</b> |
| Nooksack/Samish                | 59,790         | 42,479         | <b>0.71</b> |
| Skagit                         | 9,917          | 19,644         | <b>1.98</b> |
| Stillaguamish                  | 2,234          | 2,287          | <b>1.02</b> |
| Snohomish                      | 7,709          | 5,866          | <b>0.76</b> |
| Lake Washington                | 10,790         | 7,869          | <b>0.73</b> |
| Green                          | 68,680         | 68,002         | <b>0.99</b> |
| Puyallup                       | 32,221         | 25,485         | <b>0.79</b> |
| Nisqually                      | 10,298         | 7,737          | <b>0.75</b> |
| SS Hatchery                    | 40,582         | 44,644         | <b>1.10</b> |
| Skokomish                      | 20,510         | 22,516         | <b>1.10</b> |
| Other Hood Canal               | 66,020         | 48,793         | <b>0.74</b> |
| <b>Total (others included)</b> | <b>416,319</b> | <b>366,284</b> | <b>0.88</b> |

2020 Proposed ocean salmon fishery Non-treaty alternatives from March Pacific Fisheries Management Council March meeting

| <b>Chinook NT TAC</b> |               |               |
|-----------------------|---------------|---------------|
| Alt. 1 (high)         | Alt. 2 (mid)  | Alt. 3 (low)  |
| <b>60,000</b>         | <b>45,000</b> | <b>Closed</b> |

| <b>Coho NT TAC</b> |               |               |
|--------------------|---------------|---------------|
| Alt. 1 (high)      | Alt. 2 (mid)  | Alt. 3 (low)  |
| <b>30,000</b>      | <b>25,000</b> | <b>Closed</b> |

# Initial 2020/21 Puget Sound Chinook Fishery Proposal

| Puget Sound Recreational Chinook Seasons 2020-2021 Modeling 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 |
| 6  |     |     | M   | M   | M   | NR  | NR  | NR  |     |     |     |     |   |   |   |   |   |   | M | M | M |   |
| 7  |     |     | M   | M   | M   | NR  | NR  | NR  |     |     |     |     |   |   |   |   |   |   | M | M | M |   |
| 81   |     |     |     |     |     |     |     |     |     |     |     |     |   |   |   |   |   |   |   |   |   |   |
| 82   |     |     |     |     |     |     |     |     |     |     |     |     |   |   |   |   |   |   |   |   |   |   |
| 9  |     |     |     |     | M   | M   | NR  | NR  | NR  |     |     |     |   |   |   |   |   |   | M | M | M | M |
| 10   |     | NR  | NR  | NR  | M   | M   | M   | NR  | NR  | NR  | NR  | NR  |   |   |   |   |   |   | M | M | M | M |
| 11   |     |     | M   | M   | M   | M   | M   | M   | NR  | NR  |     |     |   |   |   |   |   |   | M | M | M | M |
| 12 NoA   |     |     |     |     |     |     | NR  | NR  | NR  | NR  | 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 |
| 13   | M   | M   | M   | M   | M   | M   | M   | M   | M   | M   | M   | M   | M | M | M | M | M | M | M | M | M | M |

**M** Mark selective

**NR** Non-Retention

**Black** Closed

**Blue** = Added opportunity from 2019-20

**Red** = Reduced opportunity from 2019-20

# Initial 2020/21 Puget Sound Coho Fishery Proposal

Reduced seasons proposed for Marine Areas 8-1 and 8-2 to address low Snohomish and Skagit Natural coho returns.

| Puget Sound Recreational Coho Seasons - 2020-21 - Proposal 3-18-2020 |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| Area   | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr |    |    |    |    |    |    |    |    |    |    |
| 5  |     |     | M   | M   | M   | M   | M   | M   |     |     |     |     | M  | M  | M  | M  |    |    |    |    |    |    |
| 6  |     |     | M   | M   | M   | M   | M   | M   |     |     |     |     | M  | M  | M  |    |    |    |    |    |    |    |
| 7  |     |     | NS  | NS  | NS  | NS  | NS  |     |     |     |     |     | NR | NR | NR |    |    |    |    |    |    |    |
| 81   |     |     |     |     |     | NS* | NS* |     |     |     |     |     | NR | NR |    |    |    |    |    | NR | NR | NR |
| 82   |     |     |     |     |     | NS* | NS* |     |     |     |     |     | NR | NR |    |    |    |    |    | NR | NR | NR |
| 9  |     |     |     | 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 |    |    |    |
| 11   |     |     | NS  | NS  | NS  | NS  | NS  | NS  | NS  | NS  |     |     |    | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| 12 NoA   |     |     |     |     |     | NS  | NS  | NS  | NS  | NS  | NS  | NS  | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 12 SoA   |     |     | NS  | NS  | NS  | NS  | NS  | NS  | NS  | NS  | NS  | NS  | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| 13   | M   | M   | M   | M   | M   | M   | M   | M   | M   | M   | M   | M   | M  | M  | M  | M  | M  | M  | M  | M  | M  | M  |

NR Non-Retention    
 NS Non-Sel    
 M Mark-Selective    
 Closed

# Puget Sound Freshwater Season proposed changes



- Closed Coho season on Snohomish, maintaining Coho MSF on Wallace
- Shorter Coho season on the Skagit
- Chum closures in a number of systems including Nooksack, Skagit, Stillaguamish, Snohomish, Puyallup, Nisqually
- South Sound Coho fishery changes
- Shortened season on the Samish



# Puget Sound Recreational Fisheries Discussion



The Challenge:  
Develop a  
recreational fishing  
package that:

- Meets the conservation constraints for Chinook and Coho
- Follows the guidance of the F&W Commission Policy for North of Falcon
- Provides the most amount of opportunity for the most number of people

# Current Coho Modeling (Initial 2020 fishery proposal)

| Management Unit         | ER CEILING | High ocean option | Mid ocean option | Low ocean option |
|-------------------------|------------|-------------------|------------------|------------------|
| SKAGIT                  | 35%        | 36.0%             | 35.3%            | 34.3%            |
| STILLY                  | 35%        | 36.4%             | 35.8%            | 35.1%            |
| SNOHOMISH               | 10% SUS    | 22.8%             | 22.2%            | 21.4%            |
| SNOHOMISH ESC           | 50,000     | 29,174            | 29,409           | 29,699           |
| HOOD CANAL              | 45%        | 46.9%             | 46.2%            | 45.4%            |
| JUAN DE FUCA TRIBS      | 10% SUS    | 7.6%              | 6.7%             | 5.6%             |
| Lower Fraser (Thompson) | 10% SUS    | 8.7%              | 7.6%             | 6.4%             |

# Current Chinook Modeling Puget Sound

| Management Unit            | Management objective                    | Initial 2020 proposal (High Ocean Option) |
|----------------------------|---|---|
| Nooksack Spring            | 10.5% SUS ER                            | 12.0%                                     |
| Skagit Summer/Fall         | 48% Total ER                            | 38.8%                                     |
| <b>Skagit Spring-run</b>   | <b>10.3% SUS ER</b>                     | <b>20.7%</b>                              |
| <b>Stillaguamish River</b> | <b>22% Total / 8% UM; 12% M SUS max</b> | <b>21.6%/11.3% UM/19.2% M</b>             |
| <b>Snohomish River</b>     | <b>19% Total /8% SUS</b>                | <b>22.3% Total/9.9% SUS</b>               |
| Lake Washington            | 13% PT SUS                              | 12.9%                                     |
| Green River                | 13% PT SUS                              | 12.9%                                     |
| White River Spring-run     | 22% SUS                                 | 16.9%                                     |
| Puyallup                   | 13% PT SUS                              | 12.9%                                     |
| Nisqually                  | 47% Total                               | 51.9%                                     |
| Skokomish fall-run         | 50% total                               | 50.4%                                     |
| <b>Mid Hood Canal</b>      | <b>TBD PT SUS</b>                       | <b>14.7%</b>                              |
| Dungeness                  | 10% SUS                                 | 5.3%                                      |
| Elwha                      | 10% SUS                                 | 5.5%                                      |



# 2020 Exploitation Rate Exploration Tool

| Chin1420b (Middle Ocean Option) - Analysis of Fishery Management Actions for Puget Sound Chinook |                                     |            |           |              |              |        |                |  |  |
|--|-------------------------------------|------------|-----------|--------------|--------------|--------|----------------|--|--|
|  |                                     | Stl UM SUS | Stl M SUS | Stl M NT SUS | Mid HC PTSUS |        |                |  |  |
|  | Chin1420b Starting ER               | 11.1%      | 18.9%     | 9.4%         | 12.8%        |        | Stl M til Goal |  |  |
|  | Post-Action ER                      | 11.0%      | 18.6%     | 9.1%         | 12.8%        |        | 3.1%           |  |  |
| Area 7 - Winter  |                                     |            |           |              |              |        |                |  |  |
| 1.)  | Close A7 Winter to salmon fishing   | -0.16%     | -0.99%    | -1.11%       | -0.09%       |        |                |  |  |
| 2.)  | A7 Winter - open Friday-Sunday only | X          | -0.04%    | -0.23%       | -0.25%       | -0.02% |                |  |  |
| 3.)  | Unchanged                           |            | 0.00%     | 0.00%        | 0.00%        | 0.00%  |                |  |  |

- Allows the user to select management actions and estimate a resulting exploitation rate.
- Organized by Area – can only select one action per Area, even if that action is to leave the season unchanged.
- Consider modeling with this tool to be a rough approximation – many factors affect results.
- In subsequent slides, hid Stillaguamish Unmarked and Marked SUS ER.



# Example: Winter Reduction Focus

| Chin1420b (Middle Ocean Option) - Analysis of Fishery Management Actions for Puget Sound Chinook |                    |              |              |                |
|--|--------------------|--------------|--------------|----------------|
|  |                    | Stl M NT SUS | Mid HC PTSUS |                |
|  | Chin1420b Starting | 9.4%         | 12.8%        | Stl M til Goal |
|  | Post-Action ER     | 6.0%         | 12.6%        | 0.0%           |
| 5.) A7 Season from July 1 - July 31; Closed August; CNR Sept                                     | X                  | -0.51%       | -0.04%       |                |
| 1.) Close A7 Winter to salmon fishing  | X                  | -1.11%       | -0.09%       |                |
| 1.) Close A6 Winter to salmon fishing  | X                  | -0.67%       | -0.12%       |                |
| 1.) Close A8 Winter to salmon fishing  | X                  | -0.58%       | -0.06%       |                |
| 1.) Close A9 Winter to salmon fishing  | X                  | -0.57%       | -0.10%       |                |
| Change   |                    | -3.39%       | -0.24%       |                |

Example Scenario: focus on reductions to winter fisheries across all areas to achieve objectives; Change A7 Summer back to last year's season.

- Collective reduction of 8.5 months of fishing across all areas.
- Reductions spread across areas in a relatively equitable way.

# Example: Impact Focused Reduction

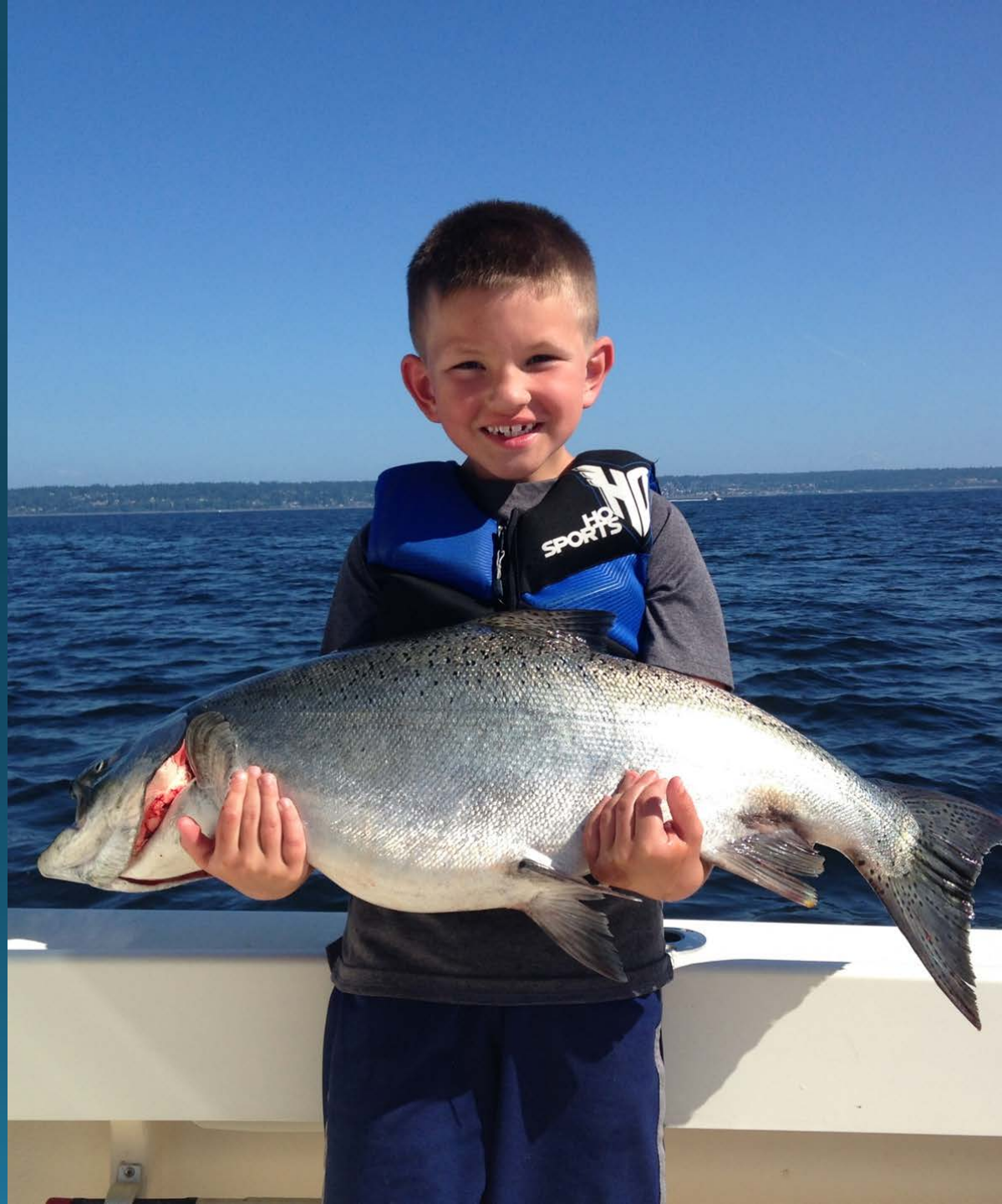
| Chin1420b (Middle Ocean Option) - Analysis of Fishery Management Actions for Puget Sound Chinook |                    |              |              |                |  |
|--|--------------------|--------------|--------------|----------------|--|
|  |                    | Stl M NT SUS | Mid HC PTSUS |                |  |
|  | Chin1420b Starting | 9.4%         | 12.8%        | Stl M til Goal |  |
|  | Post-Action ER     | 6.0%         | 12.7%        | 0.0%           |  |
| 7.) Area 7 Summer - July closed; CNR in August and September                                     | X                  | -1.81%       | -0.10%       |                |  |
| 1.) Close A7 Winter to salmon fishing  | X                  | -1.11%       | -0.09%       |                |  |
| 2.) A6 Winter - open Friday-Sunday only  | X                  | -0.34%       | -0.06%       |                |  |
| 2.) A8 Winter - open Friday-Sunday only  | X                  | -0.22%       | -0.02%       |                |  |
| Change   |                    | -3.43%       | -0.11%       |                |  |

Example Scenario: focus on reductions to the fisheries with the largest Stillaguamish impacts (Area 7) to achieve objectives.

- Reduction of 3 months of fishing in Area 7.
- Reductions to winter fisheries in Area 6 and 8 – but not full closure.
- Major Chinook fishery reductions to a particular geographic region.

# Recreational Fishing Issues

- Obstacles due to COVID-19
- Timely agreement
- Stillaguamish and Mid-HC Chinook
- Low forecasted Coho returns
- Southern Resident Killer Whales



# Other Meetings:

**Tomorrow Wednesday April 1**

## **Columbia River Fisheries Discussion**

- 10 a.m. to 12 p.m.
- Public meeting to discuss results of 2019 fisheries, and present 2020 forecasts and management objectives. With public participation, preferred seasons are developed for the Columbia River area sport and commercial fisheries.
- **Join via ZOOM webinar** or **Join by phone:** dial 253-215-8782 or toll-free at 877-788-0099 (Webinar ID: 424-468-707)
- **April 4-9 – PFMC #2, Online via PFMC webinar**

# Public Comment

**To join via telephone: Dial 253-215-8782 or toll-free at 877-853-5247  
(Webinar ID: 724-695-178)**

**Questions about Web meeting: [twendel@rossstrategic.com](mailto:twendel@rossstrategic.com)**

*Please be sure to have a computer microphone available OR dial in via your phone if you would like to ask a question or provide a comment. If you are dialed in on your phone you will use \*9 to raise your hand to be called on. We will read out the last four digits of your phone number to let you know it is your turn.*

**On-line commenting – March-April**

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