

WELCOME – THANKS FOR JOINING US!

ZOOM MEET/ CALL LOGISTICS / GROUND RULES

- You can turn your camera on and mute or unmute yourself through the control panel at the bottom of your screen.
- We will keep folks muted during the beginning of our program, then will unmute folks when we open it up for questions and feedback. Callers can unmute yourself by pressing *6 on your phone.
- We ask that you “raise their hand” to ask a question which you can access through the control panel at the bottom of the screen. You can also raise your hand by hovering over your face or name on the list of participants. Callers can raise their hand by dialing *9.
- Be respectful of others
 - Mute phone or line
 - Be tough on issues and questions, not on people or organizations
 - No personal attacks, insults or threats
 - Listen
 - Speak and act professional – *no offensive, disrespectful, or derogatory language, including profanity*
 - Allow for a balance of speaking time – *limit length and number of times to speak on each topic*
- This meeting is being recorded.
- If you have any technical issues during the call, use the chat button and we will help you through those.
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NoF Puget Sound and Coastal Freshwater Recreational Discussion

March 23, 2021



Agenda

- Puget Sound Forecasts Review
- Coastal Forecasts, Trends, & Opportunities
- Puget Sound Chinook and Coho Management Objectives
- Puget Sound Modeling Runs
- Recreational Considerations
- Public Comment



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.

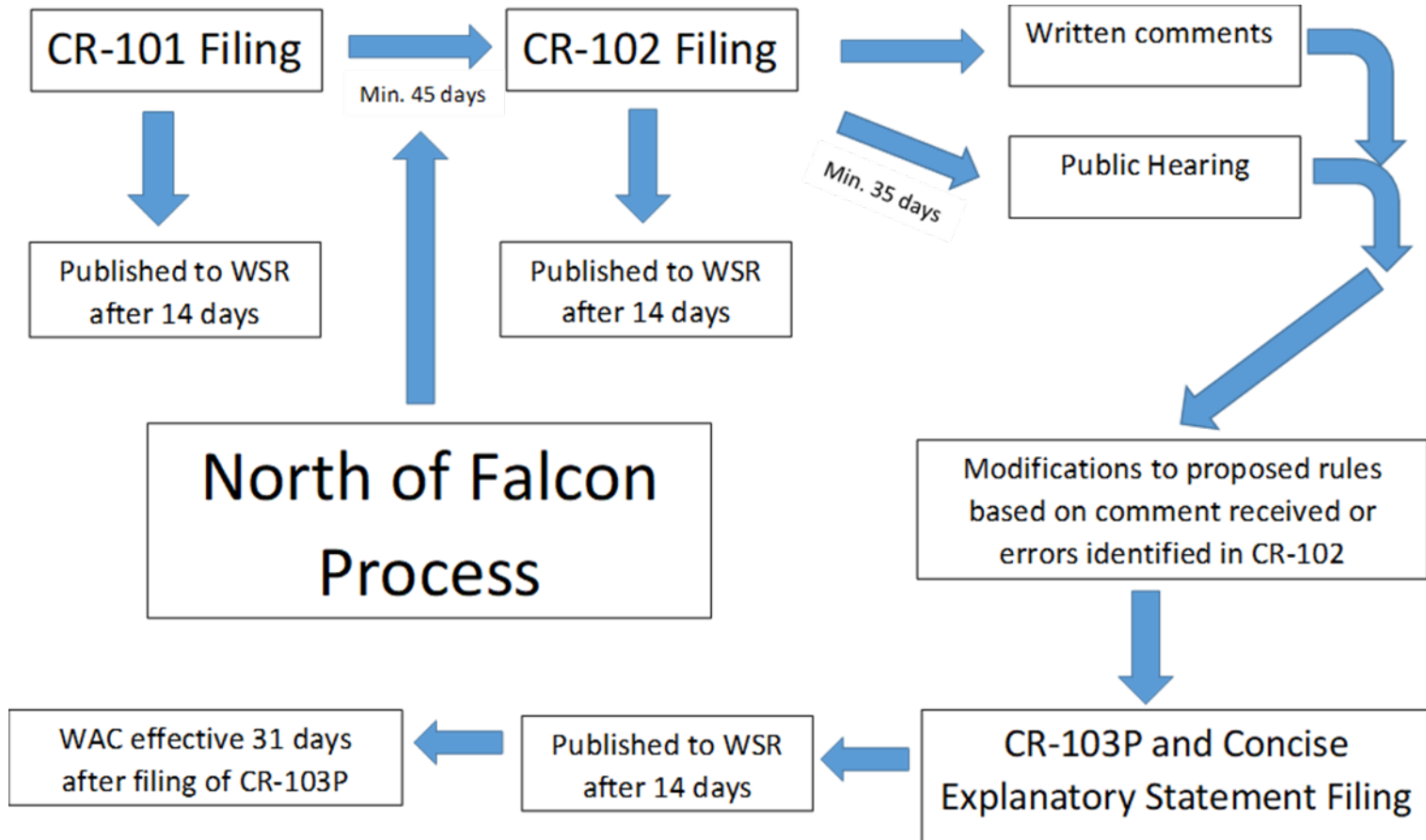
5. NEGOTIATE WITH TRIBES AND OTHER STATES FOR FAIR SHARING OF CATCH AND IMPACTS ON STOCKS THAT ARE CONSTRAINING.

6. FINAL AGREED-TO STATE AND TRIBAL SALMON FISHERIES (OCEAN, PUGET SOUND) ARE DESCRIBED IN THE "LIST OF AGREED FISHERIES" DOCUMENT.



2021 Salmon Fishery Rulemaking

Administrative Procedure Act Process



Forecast Recap for 2021

Puget Sound Chinook:

- Natural stocks down 20% and Hatchery stocks down 2% from recent 10 yr avg

Puget Sound Coho:

- Natural stocks down 15% and Hatchery stocks up 35% from 10 yr avg

Puget Sound Pink:

- Puget Sound Pink forecast down 31% from recent 10-year avg

Puget Sound Chum:

- Natural stocks down 61% and Hatchery stocks down 64% from 10 yr avg



Puget Sound Chinook Forecast Comparisons

| <u>Basin</u> | <u>Natural</u> | | |
|--------------------------------|----------------|---------------|-------------|
| | 2020 | 2021 | Comparison |
| Hoko | 1,411 | 639 | 0.45 |
| Dungeness | 288 | 358 | 1.24 |
| Elwha | 187 | 216 | 1.16 |
| Skagit springs | 1,605 | 1,556 | 0.97 |
| Skagit summer/falls | 12,877 | 10,461 | 0.81 |
| Stillaguamish | 359 | 325 | 0.91 |
| Snohomish | 2,978 | 2,922 | 0.98 |
| Lake Washington | 807 | 746 | 0.92 |
| Green | 2,396 | 3,949 | 1.65 |
| Puyallup | 1,674 | 1,398 | 0.84 |
| White River springs | 2,459 | 2,623 | 1.07 |
| Nisqually | 901 | 911 | 1.01 |
| Skokomish | 503 | 278 | 0.55 |
| Mid Hood Canal | 39 | 18 | 0.46 |
| Total (others included) | 28,485 | 26,401 | 0.93 |



Puget Sound Chinook Forecast Comparisons

| <u>Basin</u> | <u>Hatchery</u> | | |
|--------------------------------|-----------------|----------------|-------------|
| | 2020 | 2021 | Comparison |
| Hoko | 829 | 405 | 0.49 |
| Dungeness | 503 | 345 | 0.69 |
| Elwha | 3,973 | 4,584 | 1.15 |
| Nooksack/Samish | 17,143 | 20,024 | 1.16 |
| Skagit springs | 4,093 | 3,613 | 0.88 |
| Skagit summer/falls | 469 | 525 | 1.12 |
| Stillaguamish | 542 | 587 | 1.08 |
| Snohomish | 6,754 | 6,051 | 0.90 |
| Lake Washington | 3,787 | 3,664 | 0.97 |
| Green | 23,420 | 20,419 | 0.87 |
| Puyallup | 11,465 | 16,437 | 1.43 |
| White River springs | 1,537 | 1,302 | 0.85 |
| Nisqually | 16,934 | 13,887 | 0.82 |
| Skokomish | 37,876 | 32,986 | 0.87 |
| Total (others included) | 214,343 | 190,080 | 0.89 |



Puget Sound Coho Forecast Comparisons

| <u>Basin</u> | <u>Natural</u> | | |
|--------------------------------|----------------|----------------|--------------|
| | 2020 | 2021 | Comparison |
| Dungeness | 955 | 716 | 0.75 |
| Elwha | 2,184 | 213 | 0.10 |
| Other Strait | 7,526 | 6,684 | 0.89 |
| Nooksack/Samish | 15,088 | 34,261 | 2.27 |
| Skagit | 29,492 | 58,434 | 1.98 |
| Stillaguamish | 19,462 | 26,828 | 1.38 |
| Snohomish | 39,020 | 60,000 | 1.54 |
| Lake Washington | 668 | 1,588 | 2.37 |
| Green | 1,361 | 1,557 | 1.14 |
| Puyallup | 949 | 10,093 | 10.64 |
| Nisqually | 981 | 3,239 | 3.30 |
| Deschutes | 27 | 615 | 22.78 |
| Skokomish | 2,105 | 1,986 | 0.94 |
| Other Hood Canal | 33,356 | 27,267 | 0.82 |
| Total (others included) | 162,709 | 245,889 | 1.51 |



Puget Sound Coho Forecast Comparisons

| <u>Basin</u> | <u>Hatchery</u> | | |
|--------------------------------|-----------------|----------------|-------------|
| | 2020 | 2021 | Comparison |
| Dungeness | 15,954 | 10,131 | 0.64 |
| Elwha | 1,525 | 1,416 | 0.93 |
| Nooksack/Samish | 42,479 | 54,569 | 1.28 |
| Skagit | 19,644 | 22,017 | 1.12 |
| Stillaguamish | 2,287 | 4,004 | 1.75 |
| Snohomish | 5,866 | 29,938 | 5.10 |
| Lake Washington | 7,869 | 6,218 | 0.79 |
| Green | 68,002 | 75,928 | 1.12 |
| Puyallup | 25,485 | 30,758 | 1.21 |
| Nisqually | 7,737 | 13,815 | 1.79 |
| Deschutes | 44,644 | 54,289 | 1.22 |
| Skokomish | 22,516 | 16,528 | 0.73 |
| Other Hood Canal | 39,092 | 31,748 | 0.81 |
| Total (others included) | 341,895 | 369,059 | 1.08 |



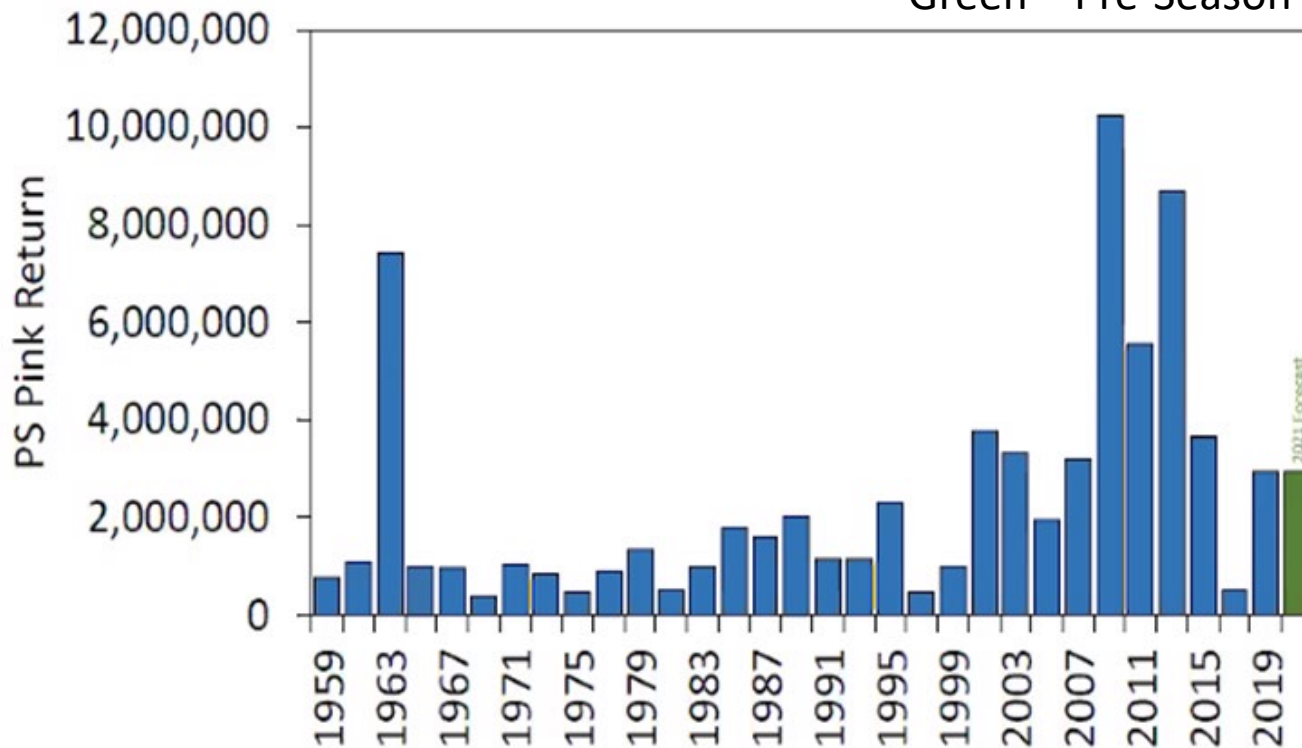
Puget Sound Pink Forecast

2019 – 608,388 forecasted w/return of ~3 mil

2021 – 2,925,681

Blue – Actual Returns

Green – Pre-Season Forecast



Pre-season Estimates Puget Sound Pink

| <u>PINK</u> | | | |
|-------------------------------|-----------------|------------------|------------------|
| | HATCHERY | WILD | TOTAL |
| Puget Sound | | | |
| Nooksack | | 240,000 | 240,000 |
| Skagit | | 927,300 | 927,300 |
| Stillaguamish | | 51,607 | 51,607 |
| Snohomish | | 555,929 | 555,929 |
| Green | | 397,732 | 397,732 |
| Puyallup | | 358,368 | 358,368 |
| Nisqually | | 184,636 | 184,636 |
| South Sound Misc. | | 142 | 142 |
| Hood Canal | 5,009 | 169,235 | 174,244 |
| Strait of Juan de Fuca | 75 | 35,648 | 35,723 |
| Puget Sound Total | 5,084 | 2,920,597 | 2,925,681 |



CHUM - FALL

| | HATCHERY | WILD | TOTAL |
|--------------------------|----------------|----------------|----------------|
| Puget Sound | | | |
| Nooksack/Samish | 7,359 | 20,315 | 27,674 |
| Skagit | 484 | 3,619 | 4,103 |
| Stillaguamish | 119 | 11,372 | 11,491 |
| Snohomish | 4,406 | 4,683 | 9,089 |
| Central Sound | 37,538 | 39,312 | 76,850 |
| South Sound | 16,375 | 104,703 | 121,078 |
| Hood Canal | 186,474 | 86,922 | 273,396 |
| Strait of Juan de Fuca | 136 | 1,787 | 1,923 |
| Puget Sound Total | 252,891 | 272,713 | 525,604 |

Pre-season Estimates

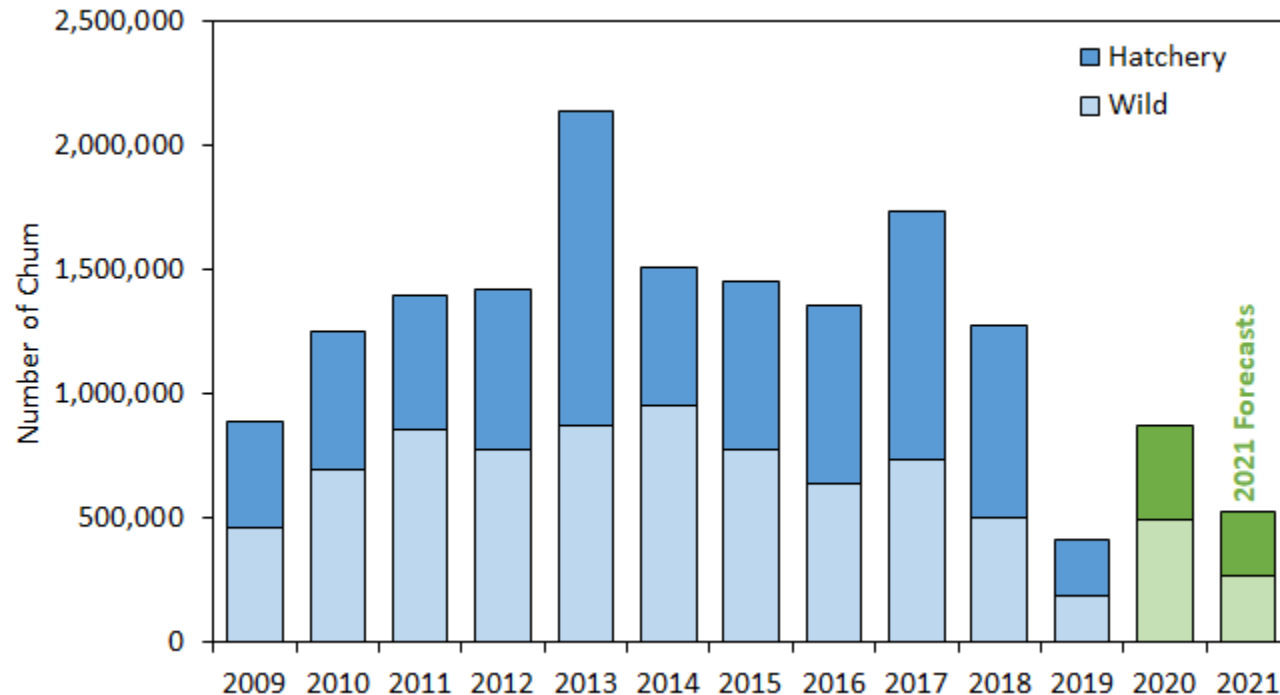
Puget Sound Chum

Areas 10/11 Opportunity

- ISU Dependent

Areas 12/12B Opportunity

- ISU Dependent



Pre-season Estimates: North Coast

2021 Salmon Forecasts

| | | Natural | Hatchery | Total | Escapement Goal - Natural |
|-------------------|-------------------|---------|----------|--------|---------------------------|
| Hoh | Sp/Su Chinook | 988 | | 988 | 900 |
| | Fall Chinook | 2,596 | | 2,596 | 1,200 |
| | Fall coho (OA3) | 3,013 | | | 2,000-5,000 |
| | | | | | |
| Quillayute | Sp/Su Chinook | 1,146 | 2,575 | 3,721 | 1,200 |
| | Fall Chinook | 8,490 | | 8,490 | 3,000 |
| | summer coho (OA3) | 291 | 3,369 | 3,660 | |
| | Fall coho (OA3) | 7,543 | 15,055 | 22,598 | 6,300-15,800 |

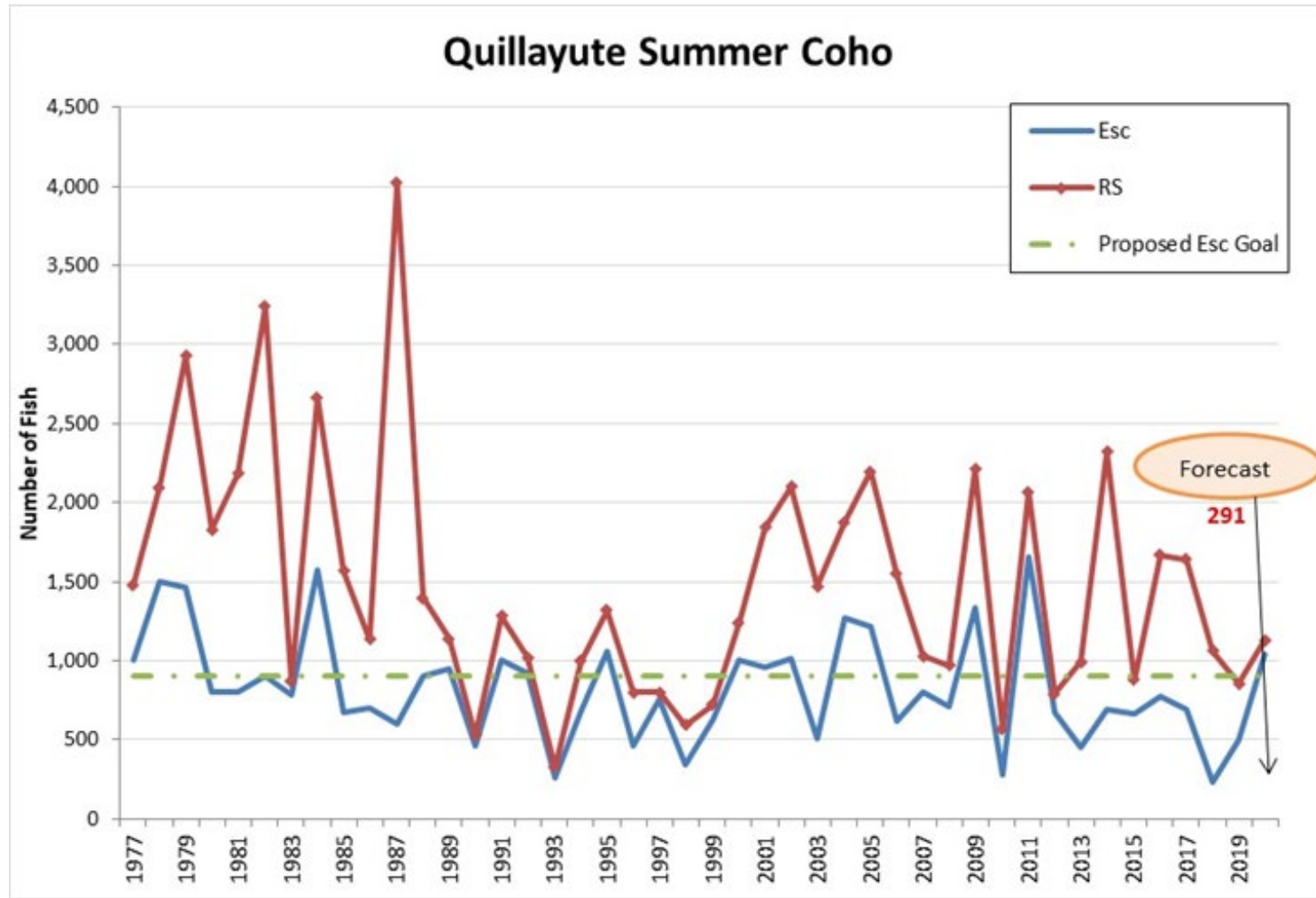


Chinook Management Objectives North Coast

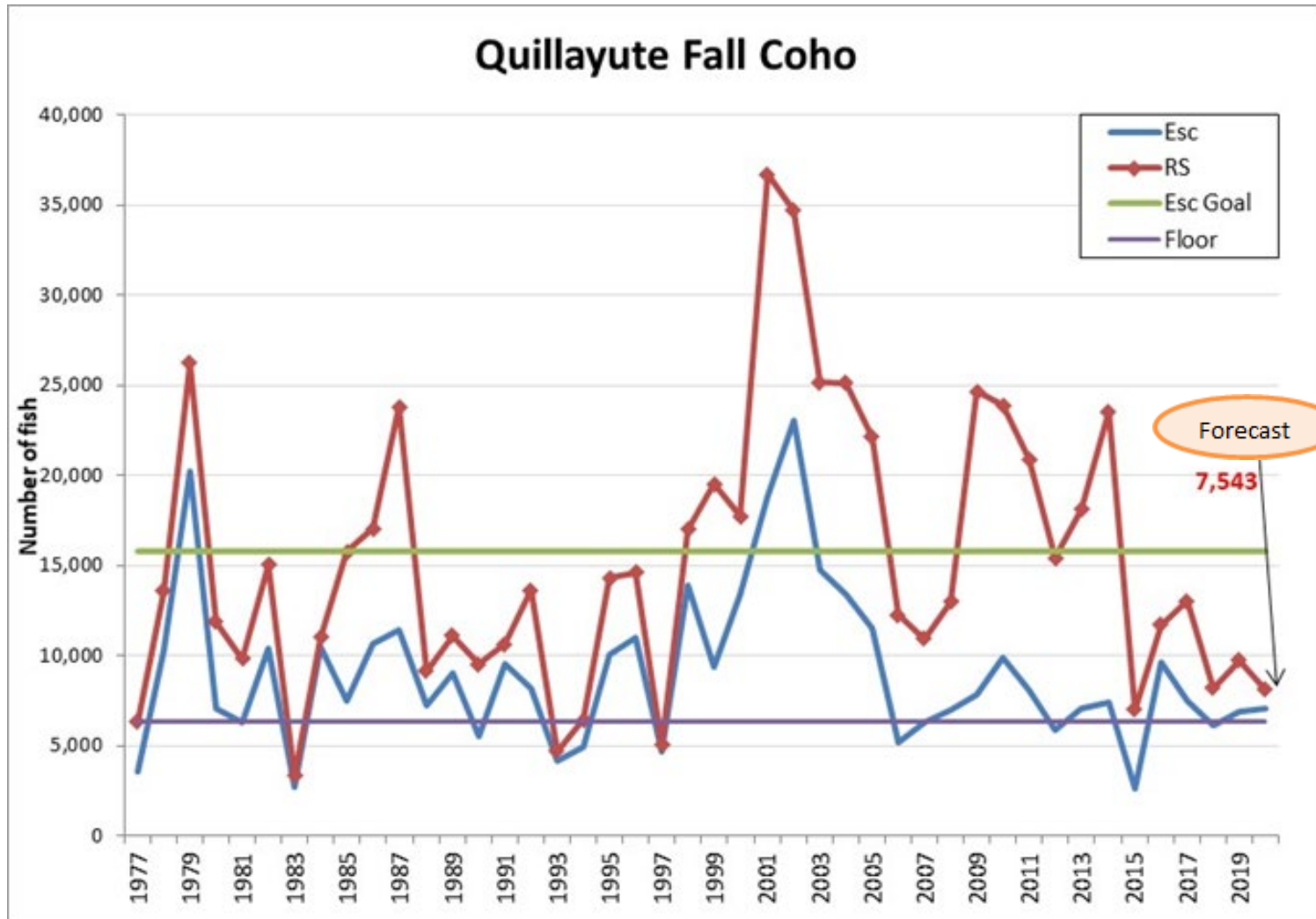
| Stock | Goal(s) |
|-----------------------------------|--|
| Quillayute Natural Summer Chinook | Guideline of 1,200 escapement. |
| Quillayute Natural Fall Chinook | Spawning escapement goal for all Quillayute basin fall Chinook stocks combined = 3,000 or 60% of runsize, whichever is greater |
| Hoh Natural Spring/Summer Chinook | EG = 900 or 69% of runsize, whichever is greater |
| Hoh Natural Fall Chinook | EG = 1,200 or 60% of runsize, whichever is greater |
| Sol Duc Natural Summer coho | No goal established |
| Quillayute Natural Fall coho | EG for all Quillayute basin fall coho stocks combined = 6,300-15,800. |
| Hoh Natural Coho | EG = 2,000-5,000 |



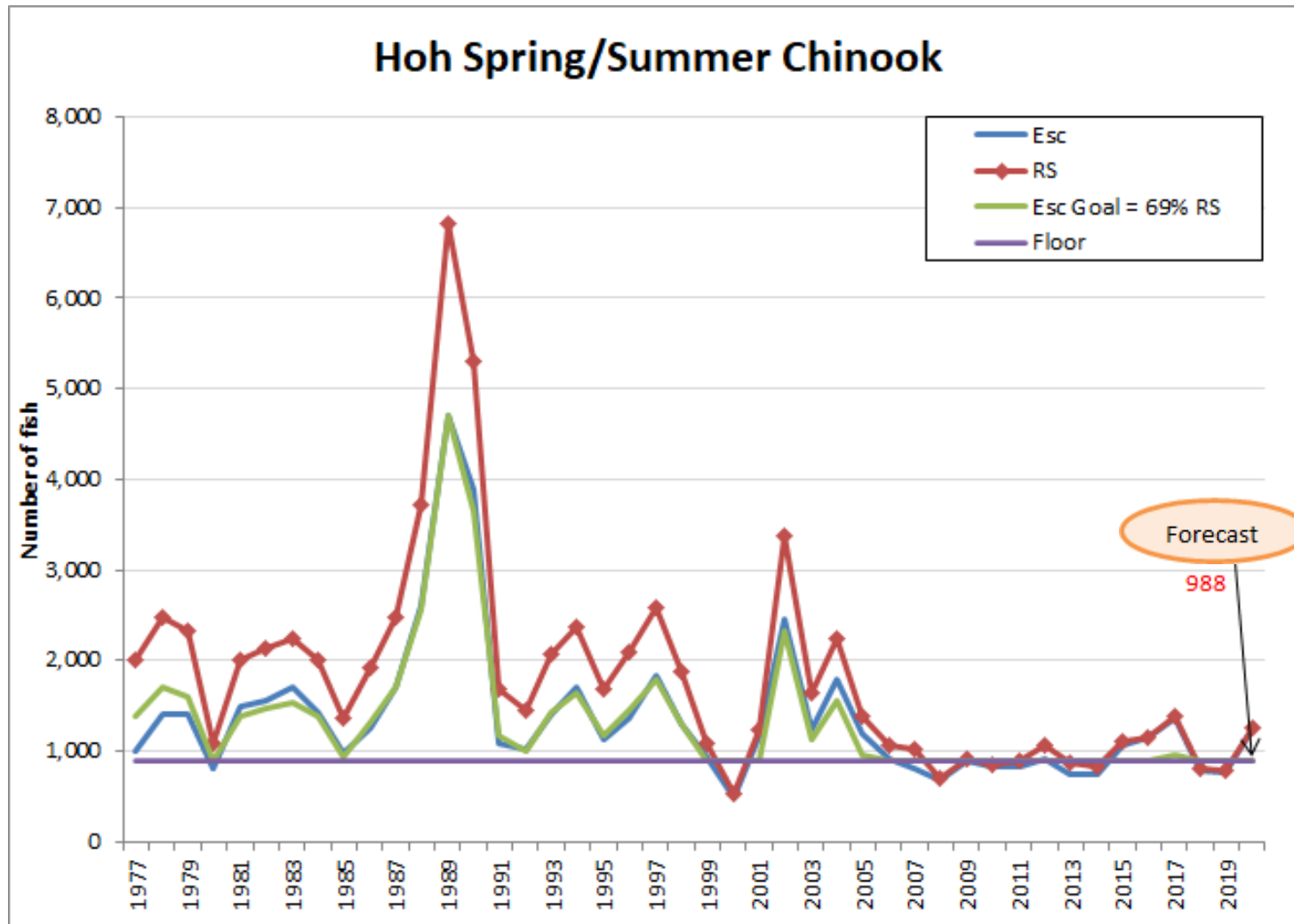
Recent trends



Recent trends



Recent trends



2021 Challenges and Opportunities for North Coast Rivers

Hoh River

- **Wild Spring/Summer Chinook:** The forecast of 988 is only 88 fish (44 share) above the escapement goal of 900. **Challenge**
- **Wild Fall Chinook:** The forecast of 2,596 allows for up to 40% harvest, 1,038 (~500 share). 2017-2019 average sport catch = 201 (103-305).
- **Wild Fall Coho:** The escapement goal is 2,000-5,000. OA3 forecast is 3,013 (terminal run ~2,600) only ~600 (300 share) above the lower end of the goal. 2017-2019 average catch 899 (408-1403).



2021 Challenges and Opportunities for North Coast Rivers

Quillayute System

- **Wild fall Chinook:** The forecast of 8,490 allows for a 40% ER which is 3,396 (~1,700 share). 2017-2019 CRC average catch is 546 (297-811).
- **Wild summer Chinook:** The forecast of 1,146 is below the escapement guideline of 1,200 fish. **Challenge**
- **Hatchery spring Chinook:** The forecast of 2,575 minus the ~600 needed for broodstock allows for harvest of 1,975 (~1,000 share). Average harvest 2017-2019 = 788 (399-1135).
- **Wild fall coho:** Ocean forecast 7,543 (less to terminal run). Escapement goal 6,300-15,800. Average harvest 2017-2019 = 505 (147-779).
- **Hatchery fall coho:** Ocean forecast 15,055 (12,876 marked) (less to terminal run). ~600 needed for broodstock about 12,000 marked (6,000 share) fall coho available for harvest. Average harvest 2017-2019 = 1,570 (1,204-2,111).
- **Wild summer coho:** Ocean forecast 291 (less to terminal run). No established escapement goal but the best work to date indicates ~800-1300 fish needed on the spawning grounds. **Major Challenge**
- **Hatchery summer coho:** OA3 forecast 3,369. Broodstock needs are ~150. Harvestable ~3,000 (1,500 share). Average harvest 2017-2019 = 455 (237-674).



Suggestions for Coastal freshwater regulations received from the public

- Allow sockeye retention of one fish on the Quillayute and Sol Duc.
- Allow barbed hooks on the Quillayute system.
- Allow bait on the lower Sol Duc and Quillayute beginning April 15 and extending through the end of July.
- Allow fishing from a boat above Morgan's Crossing on the Hoh.



Chinook Management Objectives PS

| Management Unit | NMFS Guidance/Co-Manager Proposal |
|----------------------------|---|
| Nooksack Spring | 10.5% SUS ER |
| Skagit Summer/Fall | 17% SUS ER |
| Skagit Spring-run | 10.3% SUS ER |
| Stillaguamish River | 22% Total / 8% UM; 12% M SUS max |
| Snohomish River | 19% Total / 8% SUS ER |
| Lake Washington | 13% PT SUS |
| Green River | 13% PT SUS |
| White River Spring-run | 22% SUS |
| Puyallup | 13% PT SUS |
| Nisqually | 47% Total |
| Skokomish fall-run | 50% total |
| Mid Hood Canal | TBD PT SUS |
| Dungeness | 10% SUS |
| Elwha | 10% SUS |



Coho Management Objectives

Puget Sound

| Puget Sound Wild Management Units | 2021 Modeled Escapement (High Opt-a) | 2021 Assigned FMP Status | Total ER Ceiling |
|--|---|---------------------------------|-------------------------|
| Strait of Juan de Fuca | 6,130 | Critical | 10% SUS |
| Hood Canal | 16,545 | Low | 45% |
| Skagit | 35,324 | Low | 35% |
| Stillaguamish | 17,633 | Normal | 50% |
| Snohomish | 40,415 | Low | 40% |
| Thompson (Fraser Rv) | 38,271 | Low | 10% SUS |



Current Chinook Modeling PS

| Management Unit | NMFS Guidance/Co-Manager Proposal | 2020 Fisheries/2021 Abundances (High Ocean Option a) |
|----------------------------|---|--|
| Nooksack Spring | 10.5% SUS ER | 11.9% |
| Skagit Summer/Fall | 17% SUS ER | 32.8% |
| Skagit Spring-run | 10.3% SUS ER | 15.0% |
| Stillaguamish River | 22% Total / 8% UM; 12% M SUS max | 23.2% Total/11.8% UM; 15.7% M SUS |
| Snohomish River | 19% Total /8% SUS | 18.0% Total/7.4% SUS |
| Lake Washington | 13% PT SUS | 12.6% |
| Green River | 13% PT SUS | 12.6% |
| White River Spring-run | 22% SUS | 16.3% |
| Puyallup | 13% PT SUS | 12.6% |
| Nisqually | 47% Total + 2% Exp | 53.3% |
| Skokomish fall-run | 50% total | 49.4% |
| Mid Hood Canal | TBD PT SUS | 12.5% |
| Dungeness | 10% SUS | 5.0% |
| Elwha | 10% SUS | 5.2% |

Current Coho Modeling (2021 Abundances with 2020 Fisheries)

| Management Unit | ER CEILING | High | Mid | Low |
|-------------------------|------------|--------|--------|--------|
| SKAGIT | 35% | 39.9% | 39.8% | 39.0% |
| STILLY | 50% | 34.5% | 34.4% | 33.8% |
| SNOHOMISH | 40% | 32.9% | 32.8% | 32.2% |
| SNOHOMISH ESC | 55,000 | 40,415 | 40,483 | 40,860 |
| HOOD CANAL | 45% | 42.9% | 42.6% | 41.8% |
| JUAN DE FUCA TRIBS | 10% SUS | 5.1% | 4.8% | 4.0% |
| Lower Fraser (Thompson) | 10% SUS | 6.2% | 5.9% | 4.8% |



2021 Puget Sound Recreational Considerations

- Continued conservation of Stillaguamish natural Chinook
- Other PS Chinook stocks of concern
- Continued conservation of Snohomish & JDF natural Coho
- Recreational Chum Fisheries 2021
- Winter Fishing Opportunities
- Pink opportunities



Public Comment

To get up-to-date information about upcoming meetings, proposed seasons, updated forecasts, and opportunities for public comment, visit: <https://wdfw.wa.gov/nof>

Public Meetings

March 25 – Puget Sound Recreational Fisheries Discussion
Zoom, 6:00 pm

March 31 – North of Falcon #2, Zoom, 9:00 am

April 6-9, 12-15 – PFMC #2, Webinar, 9:00 am 1st Day



Questions/Comments?

