

## **Mcclellan, Barbara A (DFW)**

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**From:** Willapa Bay (DFW)  
**Sent:** Thursday, October 10, 2024 1:06 PM  
**Subject:** 2024 Willapa Bay Fisheries Update - week 40/41 - Oct 1 - 10  
**Attachments:** Naselle Hatchery Adult CHK Summary 10.10.2024.pdf; 2024 WB Hatchery Chinook Eggtake Draft 10.10.2024.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hello Everyone,  
If you have any questions or comments regarding any of the information provided through these emails for the 2024 salmon season, please reply to this email and/or contact the regional staff directly at the Montesano office (360-249-4628).

### **Recreational Marine Area Fishery**

The marine recreational salmon creel monitoring program in the northern area of Willapa harbor ended September 30, 2024.

If you are interested in any data collected by the Ocean Sampling Program for Ocean Areas 1- 4, you can find those data on our website at [Ocean sport salmon quota report | Washington Department of Fish & Wildlife](#)

### **Spawning Ground Surveys**

Stream surveys in the Willapa Bay basin are in full swing in most Chinook spawning areas. There have been thousands of Chinook salmon observed staging throughout the harbor in freshwater systems. Coho have also been observed by staff in freshwater systems as well.

### **Hatchery Chinook Rack Returns**

#### **Naselle River Hatchery**

To-date, a total of 8,372 adult and 427 jack Chinook salmon have volunteered into the attraction channel and recruited into the hatchery. Of these, 901 unmarked Chinook salmon that have volunteered into the hatchery, and all unmarked Chinook that didn't die have been planted upstream above the hatchery. A total of 916 mortalities have been reported to-date, and there are still approximately 500 fish on-hand in the pond. There have been 1,858 female Chinook spawned and 5,574,000 Chinook eggs collected at the facility to-date. At this point, Naselle Hatchery has met the Chinook broodstock goal this year. (See attachment: *Naselle Hatchery Adult CHK Summary 10.10.2024.pdf*)

Coho and a few chum have recruited into Naselle Hatchery as well. Most of those have been surplused. (See attachment: *2024 WB Hatchery Chinook Eggtake Draft 10.10.2024.pdf*)

#### **Nemah River Hatchery**

To-date, a total of 5,907 adult and 137 jack Chinook salmon recruit into the hatchery to-date. Of these, 1,006 natural origin Chinook salmon were planted upstream above the hatchery. A total of 644 mortalities have been reported to-date, and there are approximately 534 fish on-hand in

the pond. There have been 1,233 females spawned and 3,699,000 Chinook eggs collected at the facility to-date. At this point, Nemah Hatchery has met the Chinook broodstock goal this year.

#### Forks Creek Hatchery

Forks Creek Hatchery opened its facility for fish to volunteer up the ladder. There are approximately 500 fish on-hand in the facility, and Chinook spawning should start in another week or two.

#### **Commercial Fishery**

The commercial fishery has been opened in all commercial fishing areas since Sunday, Sept 15 with each commercial area having a different number of days scheduled for each week.

There has been a total of 3,296 hatchery Chinook salmon (78.5% of total hatchery preseason estimates), 21,826 coho (70.1% of preseason estimates), and 3,362 Chum (10.5% of preseason estimates) landed to-date. In total, the fleet has accrued a total of 174 local, natural origin (NOR) Chinook impacts to-date for the season, or 42.2% of the preseason NOR Chinook estimated impacts.

As always, in-season data is preliminary and subject to change.

All data provided through these weekly email updates for the months of August and September will be posted to the Willapa Bay Marine Area 2.1 Recreational Creel Monitoring page of our website listed below.

If you have any comments or questions specific to the information provided in these emails, please submit your comments to [WillapaBay@dfw.wa.gov](mailto:WillapaBay@dfw.wa.gov). Additionally, if you know of anyone who might be interested in receiving these in-season update emails or any other information staff send out regarding Willapa Bay, please forward this email and have them reply to [WillapaBay@dfw.wa.gov](mailto:WillapaBay@dfw.wa.gov) stating they would like to be added to our email distribution list.

Thank you and Fish On! ><(((°> ><(((°>  
Barbara McClellan

#### Online reference links you may be interested in:

Willapa Bay Marine Area 2.1 Recreational Creel Monitoring: [Willapa Bay Recreational Salmon Reports | Washington Department of Fish & Wildlife](#)

Willapa Bay and Grays Harbor (non-treaty) Commercial Salmon fisheries (Regulations and landed catch): [Commercial Willapa Bay and Grays Harbor Gillnet Salmon Fishery | Washington Department of Fish & Wildlife](#)

# Naselle Hatchery Adult Chinook Rack Returns

Preliminary/DRAFT \*

10/10/2024

Red value = peak run timing

| Year         | 2022         |            |              |              |            |              | 2023         |              |              |            |              |            | 2024 *       |              |            |            |          |         | Average 2015-2023 |       |     |
|--------------|--------------|------------|--------------|--------------|------------|--------------|--------------|--------------|--------------|------------|--------------|------------|--------------|--------------|------------|------------|----------|---------|-------------------|-------|-----|
|              | Hatchery     |            | % Run Timing | Natural      |            | Hatchery     |              | % Run Timing | Natural      |            | Hatchery     |            | % Run Timing | Natural      |            | Stat week  | Hatchery | Natural |                   |       |     |
|              | Weekly Total | Cumulative |              | Weekly Total | Cumulative | Weekly Total | Cumulative   |              | Weekly Total | Cumulative | Weekly Total | Cumulative |              | Weekly Total | Cumulative |            |          |         |                   |       |     |
| 31           | 1            | 1          | 0%           | 0            | 0          | 0.0%         | 51           | 51           | 0%           | 3          | 3            | 0%         | 0            | 0            |            | 0          | 0        |         | 31                | 11    | 1   |
| 32           | 12           | 13         | 0%           | 0            | 0          | 0.0%         | 127          | 178          | 2%           | 5          | 8            | 1%         | 35           | 35           | 0%         | 4          | 4        | 0%      | 32                | 31    | 1   |
| 33           | 2            | 15         | 0%           | 0            | 0          | 0.0%         | 75           | 253          | 3%           | 3          | 11           | 2%         | 83           | 118          | 2%         | 6          | 10       | 1%      | 33                | 24    | 2   |
| 34           | 36           | 51         | 1%           | 6            | 6          | 1.0%         | 111          | 364          | 4%           | 7          | 18           | 3%         | 156          | 274          | 4%         | 12         | 22       | 2%      | 34                | 50    | 4   |
| 35           | 191          | 242        | 3%           | 17           | 23         | 3.7%         | 48           | 412          | 5%           | 8          | 26           | 4%         | 66           | 340          | 5%         | 7          | 29       | 3%      | 35                | 79    | 7   |
| 36           | 174          | 416        | 6%           | 15           | 38         | 6.0%         | 295          | 707          | 9%           | 15         | 41           | 6%         | 49           | 389          | 5%         | 1          | 30       | 3%      | 36                | 135   | 11  |
| 37           | 74           | 490        | 7%           | 11           | 49         | 7.8%         | 2            | 709          | 9%           | 0          | 41           | 6%         | 550          | 939          | 13%        | 0          | 30       | 3%      | 37                | 257   | 23  |
| 38           | 84           | 574        | 8%           | 6            | 55         | 8.7%         | 129          | 838          | 10%          | 3          | 44           | 6%         | 200          | 1139         | 15%        | 6          | 36       | 4%      | 38                | 481   | 38  |
| 39           | 49           | 623        | 9%           | 2            | 57         | 9.0%         | 3,393        | 4231         | 51%          | 29         | 73           | 10%        | 3872         | 5011         | 67%        | 265        | 301      | 32%     | 39                | 1,181 | 40  |
| 40           | 608          | 1,231      | 18%          | 53           | 110        | 17.5%        | 1368         | 5599         | 67%          | 166        | 239          | 34%        | 733          | 5744         | 77%        | 492        | 793      | 85%     | 40                | 564   | 99  |
| 41           | 2549         | 3,780      | 54%          | 152          | 262        | 41.6%        | 1326         | 6925         | 83%          | 277        | 516          | 74%        | 1692         | 7436         | 100%       | 143        | 936      | 100%    | 41                | 980   | 159 |
| 42           | 1696         | 5,476      | 79%          | 184          | 446        | 70.8%        | 1062         | 7987         | 96%          | 125        | 641          | 91%        |              |              |            |            |          |         | 42                | 866   | 154 |
| 43           | 619          | 6,095      | 88%          | 46           | 492        | 78.1%        | 169          | 8156         | 98%          | 45         | 686          | 98%        |              |              |            |            |          |         | 43                | 239   | 45  |
| 44           | 463          | 6,558      | 94%          | 88           | 580        | 92.1%        | 124          | 8280         | 100%         | 15         | 701          | 100%       |              |              |            |            |          |         | 44                | 173   | 28  |
| 45           | 207          | 6,765      | 97%          | 18           | 598        | 94.9%        | 9            | 8289         | 100%         | 1          | 702          | 100%       |              |              |            |            |          |         | 45                | 42    | 5   |
| 46           | 98           | 6,863      | 99%          | 31           | 629        | 99.8%        | 6            | 8295         | 100%         | 0          | 702          | 100%       |              |              |            |            |          |         | 46                | 20    | 4   |
| 47           | 76           | 6,939      | 100%         | 0            | 629        | 99.8%        | 0            | 8295         | 100%         | 0          | 702          | 100%       |              |              |            |            |          |         | 47                | 11    | 0   |
| 48           | 1            | 6,940      | 100%         | 0            | 629        | 99.8%        | 0            | 8295         | 100%         | 0          | 702          | 100%       |              |              |            |            |          |         | 48                | 0     | 0   |
| 49           | 4            | 6,944      | 100%         | 0            | 629        | 99.8%        | 0            | 8295         | 100%         | 0          | 702          | 100%       |              |              |            |            |          |         | 49                | 1     | 0   |
| 50           | 1            | 6,945      | 100%         | 1            | 630        | 100.0%       | 0            | 8295         | 100%         | 0          | 702          | 100%       |              |              |            |            |          |         | 50                | 1     | 0   |
| 51           | 1            | 6,946      | 100%         | 0            | 630        |              | 0            | 8295         | 100%         | 0          | 702          | 100%       |              |              |            |            |          |         | 51                | 0     | 0   |
| <b>Total</b> | <b>6,946</b> |            |              | <b>630</b>   |            |              | <b>8,295</b> |              |              | <b>702</b> |              |            | <b>7,436</b> |              |            | <b>936</b> |          |         | Avg               | 5,092 | 620 |

\* italics = partial week

**2024 Willapa Bay CHINOOK Broodstock Summary**

FishBooks updated 10/10/2024  
preliminary/draft

Naselle Hatchery

| Program Release | 10% add'l for mortality | Total eggs needed | Fecundity # eggs/female | # of Females Needed | # Females Spawnd to-date | # Females still needed | # Adults On-hand at the facility (males & females combined) | # Eggs on Hand | Mortalities (prior to spawning) |           |       | Surplus to-date (prior to spawning) |            |       |
|-----------------|-------------------------|-------------------|-------------------------|---------------------|--------------------------|------------------------|---|----------------|---------------------------------|-----------|-------|-------------------------------------|------------|-------|
|                 |                         |                   |                         |                     |                          |                        |   |                | Males                           | Females   | Jacks | Males                               | Females    | Jacks |
| 5,000,000       | 500,000                 | <b>5,500,000</b>  | 3,000                   | 1,833               | 1858                     | 0                      | 500   | 5,574,000      | 390                             | 497       | 29    | 2306                                | 534        | 335   |
|                 |                         |                   |                         |                     |                          |                        |   |                | Total                           | 916       |       | Total                               | 3,175      |       |
|                 |                         |                   |                         |                     |                          |                        |   |                | Hatchery Wild                   | 873<br>43 |       | Hatchery Wild                       | 3,175<br>0 |       |

Nemah Hatchery

| Program Release | 10% add'l for mortality | Total eggs needed | Fecundity # eggs/female | # of Females Needed | # Females Spawnd to-date | # Females still needed | # Adults On-hand at the facility (males & females combined) | # Eggs on Hand | Mortalities (prior to spawning) |          |       | Surplus to-date (prior to spawning) |            |       |
|-----------------|-------------------------|-------------------|-------------------------|---------------------|--------------------------|------------------------|---|----------------|---------------------------------|----------|-------|-------------------------------------|------------|-------|
|                 |                         |                   |                         |                     |                          |                        |   |                | Males                           | Females  | Jacks | Males                               | Females    | Jacks |
| 3,300,000       | 330,000                 | <b>3,630,000</b>  | 3,000                   | 1,210               | 1233                     | 0                      | 534   | 3,699,000      | 379                             | 227      | 38    | 1083                                | 215        | 47    |
|                 |                         |                   |                         |                     |                          |                        |   |                | Total                           | 644      |       | Total                               | 1,345      |       |
|                 |                         |                   |                         |                     |                          |                        |   |                | Hatchery Wild                   | 644<br>0 |       | Hatchery Wild                       | 1,345<br>0 |       |

Forks Creek Hatchery

| Program Release | 10% add'l for mortality | Total eggs needed | Fecundity # eggs/female | # of Females Needed | # Females Spawnd to-date | # Females still needed | # Adults On-hand at the facility (males & females combined) | # Eggs on Hand | Mortalities (prior to spawning) |         |       | Surplus to-date (prior to spawning) |         |       |
|-----------------|-------------------------|-------------------|-------------------------|---------------------|--------------------------|------------------------|---|----------------|---------------------------------|---------|-------|-------------------------------------|---------|-------|
|                 |                         |                   |                         |                     |                          |                        |   |                | Males                           | Females | Jacks | Males                               | Females | Jacks |
| 400,000         | 40,000                  | <b>440,000</b>    | 3,000                   | 147                 | 0                        | 147                    | 500   | 0              | 0                               | 0       | 0     | 0                                   | 0       | 0     |
|                 |                         |                   |                         |                     |                          |                        |   |                | Total                           | 0       |       | Total                               | 0       |       |
|                 |                         |                   |                         |                     |                          |                        |   |                | Hatchery Wild                   |         |       | Hatchery Wild                       |         |       |

2024 Willapa Bay COHO Broodstock Summary

FishBooks updated 10/10/2024  
preliminary/draft

Naselle Hatchery

| Program Release | 10% add'l for mortality | Total eggs needed | Fecundity # eggs/female | # of Females Needed | # Females Spawned to-date | # Females still needed | # Adults On-hand at the facility (males & females combined) | # Eggs on Hand | Mortalities (prior to spawning) |         |       | Surplus to-date (prior to spawning) |         |       |
|-----------------|-------------------------|-------------------|-------------------------|---------------------|---------------------------|------------------------|---|----------------|---------------------------------|---------|-------|-------------------------------------|---------|-------|
|                 |                         |                   |                         |                     |                           |                        |   |                | Males                           | Females | Jacks | Males                               | Females | Jacks |
| 1,400,000       | 140,000                 | 1,540,000         | 2,200<br>2800 lates     | 700                 | 0                         | 700                    | 33  | 0              | 17                              | 8       | 0     | 1,088                               | 981     | 148   |
|                 |                         |                   |                         |                     |                           |                        |   |                | Total                           | 25      |       | Total                               | 2,217   |       |
|                 |                         |                   |                         |                     |                           |                        |   |                | Hatchery                        | 25      |       | Hatchery                            | 2,217   |       |
|                 |                         |                   |                         |                     |                           |                        |   |                | Wild                            | 0       |       | Wild                                | 0       |       |

Forks Creek Hatchery

| Program Release | 10% add'l for mortality | Total eggs needed | Fecundity # eggs/female | # of Females Needed | # Females Spawned to-date | # Females still needed | # Adults On-hand at the facility (males & females combined) | # Eggs on Hand | Mortalities (prior to spawning) |         |       | Surplus to-date (prior to spawning) |         |       |
|-----------------|-------------------------|-------------------|-------------------------|---------------------|---------------------------|------------------------|---|----------------|---------------------------------|---------|-------|-------------------------------------|---------|-------|
|                 |                         |                   |                         |                     |                           |                        |   |                | Males                           | Females | Jacks | Males                               | Females | Jacks |
| 600,000         | 60,000                  | 660,000           | 2,200<br>2800 lates     | 300                 | 0                         | 300                    | 0   | 0              | 0                               | 0       | 0     | 0                                   | 0       | 0     |
|                 |                         |                   |                         |                     |                           |                        |   |                | Total                           | 0       |       | Total                               | 0       |       |
|                 |                         |                   |                         |                     |                           |                        |   |                | Hatchery                        |         |       | Hatchery                            |         |       |
|                 |                         |                   |                         |                     |                           |                        |   |                | Wild                            |         |       | Wild                                |         |       |

Nemah Hatchery

No Coho program

2024 Willapa Bay **CHUM** Broodstock Summary  
 FishBooks updated 10/10/2024  
 preliminary/draft

**Naselle Hatchery**

| Program Release | 10% add'l for mortality | Total eggs needed | Fecundity # eggs/female | # of Females Needed | # Females Spawned to-date | # Females still needed | # Adults On-hand at the facility | # Eggs on Hand | Mortalities (prior to spawning) |         |       | Surplus to-date (prior to spawning) |         |       |
|-----------------|-------------------------|-------------------|-------------------------|---------------------|---------------------------|------------------------|----------------------------------|----------------|---------------------------------|---------|-------|-------------------------------------|---------|-------|
|                 |                         |                   |                         |                     |                           |                        |                                  |                | Males                           | Females | Jacks | Males                               | Females | Jacks |
| 500,000         | 50,000                  | <b>550,000</b>    | 2,200                   | 250                 | 0                         | 250                    | 2                                | 0              | 0                               | 0       | 0     | 0                                   | 0       | 0     |
|                 |                         |                   |                         |                     |                           |                        |                                  |                | Total                           | 0       |       | Total                               | 0       |       |

**Nemah Hatchery**

| Program Release | 10% add'l for mortality | Total eggs needed | Fecundity # eggs/female | # of Females Needed | # Females Spawned to-date | # Females still needed | # Adults On-hand at the facility | # Eggs on Hand | Mortalities (prior to spawning) |         |       | Surplus to-date (prior to spawning) |         |       |
|-----------------|-------------------------|-------------------|-------------------------|---------------------|---------------------------|------------------------|----------------------------------|----------------|---------------------------------|---------|-------|-------------------------------------|---------|-------|
|                 |                         |                   |                         |                     |                           |                        |                                  |                | Males                           | Females | Jacks | Males                               | Females | Jacks |
| 1,500,000       | 150,000                 | <b>1,650,000</b>  | 2,200                   | 750                 | 0                         | 750                    | 0                                | 0              | 0                               | 0       | 0     | 0                                   | 0       | 0     |
|                 |                         |                   |                         |                     |                           |                        |                                  |                | Total                           | 0       |       | Total                               | 0       |       |

**Forks Creek Hatchery**

| Program Release | 10% add'l for mortality | Total eggs needed | Fecundity # eggs/female | # of Females Needed | # Females Spawned to-date | # Females still needed | # Adults On-hand at the facility | # Eggs on Hand | Mortalities (prior to spawning) |         |       | Surplus to-date (prior to spawning) |         |       |
|-----------------|-------------------------|-------------------|-------------------------|---------------------|---------------------------|------------------------|----------------------------------|----------------|---------------------------------|---------|-------|-------------------------------------|---------|-------|
|                 |                         |                   |                         |                     |                           |                        |                                  |                | Males                           | Females | Jacks | Males                               | Females | Jacks |
| 500,000         | 50,000                  | <b>550,000</b>    | 2,200                   | 250                 | 0                         | 250                    | 0                                | 0              | 0                               | 0       | 0     | 0                                   | 0       | 0     |
|                 |                         |                   |                         |                     |                           |                        |                                  |                | Total                           | 0       |       | Total                               | 0       |       |