

**2020 – 2021 Co-Managers' List of Agreed Fisheries**  
**(May 1, 2020 – April 30, 2021)**

  
4/17/2020

W. The Adil,  
4-17-2020

**[Bracketed and bolded language signifies areas where some unresolved issues remain. Additional Co-manager discussions will occur prior to the fisheries to resolve these remaining issues.]**

# Table of Contents

## Contents

<b>PART I. TREATY/NON-TREATY OCEAN FISHERIES (FRAM #3120 (CHINOOK) &amp; #2032(COHO))</b> .....	<b>4</b>
1.1 TREATY TROLL: AREAS 2, 3, 4 & 4B .....	4
1.2 NON-TREATY TROLL: U.S./CANADA BORDER TO CAPE FALCON .....	5
1.3 NON-TREATY RECREATIONAL.....	7
<b>PART II. PUGET SOUND INCLUDING STRAIT OF JUAN DE FUCA AND SAN JUAN ISLANDS FISHERIES (ALL FISHERIES MODELED IN FRAM #3120 (CHINOOK) &amp; #2032 (COHO))</b> .....	<b>10</b>
2.1 STRAIT OF JUAN DE FUCA PRE-TERMINAL AREAS .....	10
2.2 STRAIT OF JUAN DE FUCA TERMINAL AREAS .....	12
2.3 SAN JUAN ISLANDS/POINT ROBERTS AREA .....	14
2.4 NOOKSACK/SAMISH TERMINAL REGION .....	16
2.5 SKAGIT TERMINAL REGION.....	20
2.6 STILLAGUAMISH/SNOHOMISH TERMINAL REGION .....	27
2.7 ADMIRALTY INLET AREA .....	30
<b>3.0 SOUTH SOUND REGION .....</b>	<b>31</b>
3.1 AREA 10 SUB REGION .....	31
3.2 AREA 11 SUB REGION .....	38
3.3 AREA 13 SUB REGION .....	40
<b>4.0 HOOD CANAL REGION (ALL FISHERIES MODELED IN FRAM #3120 (CHINOOK) &amp; #2032 (COHO))</b> .....	<b>45</b>
<b>2020 – 2021 LIST OF AGREED FISHERIES APPENDIX</b> .....	<b>51</b>
1.1 SHORT TERM MORTALITY ESTIMATES OF ADULT CHINOOK SALMON RELEASED FROM 6” DRIFT GN IN THE FRESHWATER AREAS OF THE NISQUALLY RIVER.....	53
1.2 2020 AREA 9 (NHC SUB-AREA) TREATY COMMERCIAL CHUM FISHING PLAN.....	54
1.3 2020 CO-MANAGEMENT AGREEMENT FOR HOOD CANAL CHUM SALMON FISHERIES.....	57
1.4 2020 7/7A CHUM FISHING PLAN.....	59
1.5 THE LUMMI NATION’S NOOKSACK RIVER SPRING CHINOOK RADIO TAG STUDY.....	62
1.6 RELATIVE ABUNDANCE AND DIET OF PISCIVOROUS FISHES IN THE LAKE WASHINGTON SHIPPING CANAL .....	64
1.7 2020-2021 WARM WATER TEST FISHERY, COMMERCIAL FISHERY, AND RESEARCH.....	68
1.8 LAKE WASHINGTON MANAGEMENT OBJECTIVES .....	71
1.9 PUYALLUP RIVER MANAGEMENT OBJECTIVES .....	72
1.10 GREEN RIVER MANAGEMENT OBJECTIVES.....	73
1.11 2020 STILLAGUAMISH RIVER SPORT GAMEFISH RULES.....	74
<i>2020 in-river sport gamefish seasons, while reduced to minimize impacts on Stillaguamish Chinook (forecast at 363 wild and 627 hatchery), openings on the mainstem were advanced two weeks compared to 2019. ....</i>	<i>74</i>
1.12 2020 SUMMER MARK-SELECTIVE SPORT FISHERY MARINE AREA 5 .....	76
1.13 2020 SUMMER MARK-SELECTIVE SPORT FISHERY MARINE AREA 6 .....	77
1.14 2020 SUMMER MARK-SELECTIVE SPORT FISHERY MARINE AREA 7 .....	78
1.15 2020 SUMMER MARK-SELECTIVE SPORT FISHERY MARINE AREA 9 .....	79
1.16 2020 SUMMER MARK-SELECTIVE SPORT FISHERY MARINE AREA 10.....	80
1.17 2020 SUMMER MARK-SELECTIVE SPORT FISHERY MARINE AREA 11.....	81
1.18 2020 SUMMER SELECTIVE SPORT FISHERY MARINE AREA 12.....	82
1.19 2020 SUMMER MARK-SELECTIVE SPORT FISHERY MARINE AREA 13.....	83

1.20	2020-21 WINTER MARK-SELECTIVE SPORT FISHERY MARINE AREA 5 .....	84
1.21	2020-21 WINTER MARK-SELECTIVE SPORT FISHERY MARINE AREA 10 .....	85
1.22	2020-21 WINTER MARK-SELECTIVE SPORT FISHERY MARINE AREA 13 .....	86

**Part I. Treaty/Non-Treaty OCEAN Fisheries (FRAM #3120 (Chinook) & #2032(Coho))**

Treaty Troll Quota	35,000 Chinook; 16,500 Coho
Non-treaty TAC	54,000 Chinook and 28,500 marked Coho.
NT Troll TAC	27,640 Chinook and 2,000 marked Coho.
Recreational TAC	26,360 Chinook and 26,500 marked Coho.

**1.1 Treaty Troll: Areas 2, 3, 4 & 4B**

5/1-6/30	Chinook directed fishery with sub quota of 17,500 Chinook. May 1 through June 30 or attainment of 17,500 Chinook sub quota, whichever comes first. All salmon except Coho. If the Chinook quota for the May-June fishery is not fully utilized, the excess fish may be transferred into the later all-salmon season on an impact-neutral basis for limiting stocks into the later all-salmon season. If the Chinook quota is exceeded, the excess will be deducted from the later all-salmon season.
7/1-9/15	All salmon species, with quota of 16,500 Coho and sub quota of 17,500 Chinook plus any portion of uncaught Chinook rolled over from the May 1 through June 30 time period on an impact neutral basis. Chum release 8/1-9/15 Open from July 1 through September 15, or attainment of either the Coho quota or the Chinook sub quota, whichever comes first.

## 1.2 Non-Treaty Troll: U.S./Canada border to Cape Falcon

<p>5/6- thru earliest of 6/28 or pre-season Chinook sub-quota of 13,820 (no more than 5,100 of which may be caught in the area between the U.S./Canada border and the Queets River and no more than 3,770 of which may be caught in the area between Leadbetter Pt. and Cape Falcon)</p>	<p>All salmon except Coho with 13,820 Chinook quota; no more than 5,100 of which may be caught in the area between the U.S./Canada border and the Queets River and no more than 3,770 of which may be caught in the area between Leadbetter Pt. and Cape Falcon; Open seven days per week. A landing and possession limit of 75 Chinook per vessel per landing week (Thurs-Wed) is in effect in the area between the U.S./Canada border and the Queets River and in the area between Leadbetter Point and Cape Falcon. An in-season conference call will occur when it is projected that 75% of the overall Chinook quota has been landed or 75% of any sub-area quota has been landed to consider modifying the open period and landing and possession limits. Mandatory Yelloweye Rockfish Conservation Area, Columbia and Cape Flattery Control Zones closed. Trip limits, gear restrictions, and guidelines may be implemented or adjusted in-season. Vessels must land their fish within 24 hours of any closure of this fishery; under state law, vessels must report their catch on a state fish receiving ticket. Vessels in possession of salmon north of the Queets River may not cross the Queets River line without first notifying WDFW with area fished, total Chinook and halibut catch aboard, and destination. Vessels in possession of salmon south of the Queets River may not cross the Queets River line without first notifying WDFW with area fished, total Chinook and halibut catch aboard, and destination. Vessels fishing, or in possession of salmon north of Leadbetter Point must land and deliver all species of fish in a Washington port and must possess a Washington troll and/or salmon deliver license. Vessels may not land fish east of the Sekiu River or east of the Megler-Astoria Bridge. For deliver to Washington ports south of Leadbetter Point, vessel must notify WDFW prior to crossing the Leadbetter Point line with area fished, total Chinook and halibut catch aboard, and destination with approximate time of delivery. During any single trip, only one side of the Leadbetter Point line may be fished. Vessels fishing, or in possession of salmon while fishing south of Leadbetter Point must land and deliver their fish within the area and south of Leadbetter Point, except that Oregon permitted vessels may also land their fish in Garibaldi.</p>
--	---

<p>7/1 thru earliest of 9/30 or pre-season Chinook sub-quota of 13,820 or Coho quota of 2,000</p>	<p>All salmon with 13,820 Chinook quota and no more than 2,000 marked Coho quota. Open seven days per week. A landing possession limit of 10 Coho per vessel per landing week (Thurs-Wed) is in effect in all areas. All retained Coho must be marked with a healed adipose fin clip. No Chum retention north of Cape Alava, Washington beginning August 1. Mandatory Yelloweye Rockfish Conservation Area, Cape Flattery and Columbia Control Zones closed. Grays Harbor Control Zone closed beginning August 10. Trip limits, gear restrictions, and guidelines may be implemented or adjusted in-season. Vessels must land their fish within 24 hours of any closure of this fishery. Under state law, vessels must report their catch on a state fish receiving ticket. Vessels in possession of salmon north of the Queets River may not cross the Queets River line without first notifying WDFW with area fished, total Chinook, Coho, and halibut catch aboard, and destination. Vessels in possession of salmon south of the Queets River may not cross the Queets River line without first notifying WDFW with area fished, total Chinook, Coho, and halibut catch aboard, and destination. Vessels fishing or in possession of salmon north of Leadbetter Point must land and deliver all species of fish in a Washington port and must possess a Washington troll and/or salmon delivery license. Vessels may not land fish east of the Sekiu River or east of the Megler-Astoria bridge. For delivery to Washington ports south of Leadbetter Point, vessels must notify WDFW prior to crossing the Leadbetter Point line with area fished, total Chinook, Coho, and halibut catch aboard, and destination with approximate time of delivery. During any single trip, only one side of the Leadbetter Point line may be fished. Vessels fishing, or in possession of salmon while fishing south of Leadbetter Point must land and deliver their fish within the area and south of Leadbetter Point, except that Oregon permitted vessels may also land their fish in Garibaldi.</p>
---	--

### 1.3 Non-Treaty Recreational

#### Area 1: Leadbetter Point to Cape Falcon (Oregon)

<p>6/20-9/30 (13,250 Mark Selective Fishery Coho sub quota)</p>	<p>June 20 – 28: Open 7 days per week; all salmon except Coho, 1 salmon per day. June 29 – September 30: Open 7 days per week, all salmon, 2 salmon per day, only one of which may be a Chinook; retained Coho must have a healed adipose fin clip; Chinook minimum size limit 22 inches and Coho minimum size 16”; Chinook guideline: 7,000; closed in Columbia Control Zone. In-season management may be used to sustain season length and keep harvest within the overall Chinook recreational TAC for north of Cape Falcon.</p>
<p><b>Buoy 10</b></p>	
<p>6/16-7/31</p>	<p>Open 7 days/week; 2 fish per day. Release all Chinook. Barbless hooks only. Closed from the Megler-Astoria Bridge downstream.</p>
<p>8/1-8/15</p>	<p>Closed</p>
<p>8/16-8/27</p>	<p>Open 7 days/week; 1 fish per day (Chinook minimum size 24 inches, Coho minimum size 16 inches). Release all salmon other than Chinook and hatchery Coho. Coho must have a healed adipose fin clip. Barbless hooks only.</p>
<p>8/28-9/22</p>	<p>Open 7 days/week; 1 fish per day (Coho minimum size 16 inches), Release all salmon other than hatchery Coho. Coho must have a healed adipose fin clip. Release all salmon other than Chinook and hatchery Coho. Barbless hooks only.</p>
<p>9/23-12/31</p>	<p>Open 7 days/week; 1 fish per day, (Chinook minimum size 24 inches, Coho minimum size 16 inches); Coho must have a healed adipose fin clip. Release all salmon other than Chinook and hatchery Coho. Barbless hooks only.</p>
<p>1/1-3/31</p>	<p>Open 7 days/week, Daily limit 6, Up to 2 adults, (minimum size 12”), Hatchery Chinook only. Barbless hooks only.</p>
<p>North Jetty</p>	<p>Open 7 days per week when Area 1 or Buoy 10 area is open. When Buoy 10 area and Area 1 are open concurrently, the daily limit and minimum size restrictions follow the most liberal regulations of those areas. Barbless hooks only.</p>

**Area 2: Queets River to Leadbetter Point**

<p>6/20-9/30 (9,800 Mark Selective Fishery Coho sub quota</p>	<p>June 20 – 28: Open 7 days per week; all salmon except Coho; 1 salmon per day. June 29- September 30: Open 5 days per week (Sun- Thurs); all salmon, 2 salmon per day, only one of which may be a Chinook; retained Coho must have a healed adipose fin clip; Chinook minimum size limit 22 inches and Coho minimum size 16 inches; Chinook guideline: 12,460. In-season management may be used to sustain season length and keep harvest within the overall Chinook recreational TAC for north of Cape Falcon.</p>
---	---

**Area 2-1 (east of a line from Leadbetter Point to Cape Shoalwater): Willapa Bay**

<p>6/20- 7/31</p>	<p>Open concurrent with Area 2, when Area 2 is open for salmon. Area 2 rules apply.</p>
<p>8/1-1/31</p>	<p>6 fish limit, 2 adults, 12" min size limit. Release wild Chinook. 2 pole endorsement.</p>

**Area 2-2 (east of line between tips of exposed jetties): Grays Harbor**

<p>West of Buoy 13 line 6/20-8/9</p>	<p>Open concurrent with Area 2, when Area 2 is open for salmon. Area 2 rules apply. Grays Harbor Control Zone closure in effect.</p>
<p>East of Buoy 13 line, when open</p>	<p>All salmon required to be released may not be totally removed from the water, except anglers fishing from boats 30' or longer as listed on either their State or Coast Guard regulation are exempt. Single-point barbless hooks required.</p>
<p>East of Buoy 13 line 6/20- 7/31</p>	<p>Closed</p>
<p>East of Buoy 13 line 8/1-9/15</p>	<p>1 fish limit, 12" min size limit. Release wild Chinook and wild Coho. Open to salmon angling only in the area described as Humptulips – North Bay (the area conforms to the commercial SMCRA 2C).</p>
<p>East of Buoy 13 line 9/23-11/30</p>	<p>1 fish limit, 12" min size limit. Release Chinook. Open to salmon angling only in the area described as East Grays Harbor (the area conforms to the commercial SMCRA 2D).</p>

**Westport Boat Basin and Ocean Shores Boat Basin**

<p>8/16-1/31</p>	<p>6 fish limit, 4 adults; 12" min size limit. Release Chinook.</p>
------------------	---



**Area 3: Cape Alava to Queets River**

<p>6/20-9/30 (690 Mark Selective Fishery Coho sub quota)</p>	<p>June 20 –28: Open 7 days per week; all salmon except Coho, 1 salmon per day.          June 29 – September 30: Open 7 days per week, all salmon except no Chum retention beginning August 1, 2 salmon per day; retained Coho must have a healed adipose fin clip; Chinook minimum size limit 24 inches and Coho minimum size 16 inches; Chinook guideline: 1,300. In-season management may be used to sustain season length and keep harvest within the overall Chinook recreational TAC for north of Cape Falcon.</p>
--	--

**Area 4: U.S./Canada border to Cape Alava and east to Sekiu River**

<p>6/20-9/30 (2,760 Mark Selective Fishery Coho sub quota)</p>	<p>June 20 –28: Open 7 days per week; all salmon except Coho, 1 salmon per day.          June 29- September 30: Open 7 days per week, all salmon except no Chum retention beginning August 1, 2 salmon per day; retained Coho must have a healed adipose fin clip. Chinook minimum size limit 24 inches and Coho minimum size 16 inches; Chinook guideline: 5,600; no Chinook retention east of Bonilla-Tatoosh line beginning August 1. Closed waters: east of a true north-south line running through Sail Rock through July 31;  <b>Closed to salmon angling</b> inside the area bounded by a line from Kydaka Point to Shipwreck Point. In-season management may be used to sustain season length and keep harvest within the overall Chinook recreational TAC for north of Cape Falcon.</p>
--	--

**Area 4A: Makah Bay Treaty Evaluation Marine Set Net Fishery**

<p>Chinook</p>	<p>Trty</p>	<p>Open 8/15 through 9/15 inside an area bounded by a line running from Strawberry Rock Point (48° 19' 07"N, 124° 40' 00"W) to the group of rocks (48° 19' 46"N, 124° 40' 35"W) which are located off Hobuck Beach and a line to the mouth of Hobuck Creek (48° 19' 54"N, 124° 39' 37"W), to be implemented per agreement between the Makah Tribe and WDFW.</p>
----------------	-------------	---

**Part II. PUGET SOUND including STRAIT of JUAN de FUCA and SAN JUAN ISLANDS fisheries (All fisheries modeled in FRAM #3120 (Chinook) & #2032 (Coho))**

**2.1 Strait of Juan de Fuca Pre-terminal Areas**

**Areas 5, 6, 6C Treaty Troll (Ntrty net closed)**

NOTE: Area 4B: 5/1-10/31 see Ocean Troll. For 11/1-12/31 & 1/1-4/15 see below.

5/1-6/15	Closed
6/16-9/30	Open for salmon, Chum release; Freshwater Bay closed, south of Angeles Pt./Observatory Pt. line; Pt. Angeles Harbor closed west of line from tip of Ediz Hook to ITT Rayonier Dock; Hoko Bay closed inside the area bounded by a line from Kydaka Point to Shipwreck Point; Area 6 closed east of a line true north from Green Point; 1,000-foot closure around stream mouths. The catch estimates for this fishery modeled in FRAM are statistically derived predictions, and are the best available pre-season estimates of catch in this fishery. In order to have the actual catch reflect run strength, however, these estimates will not be treated as a ceiling when the managers make in-season fishery management decisions.
10/1-10/31	Closed.
11/1-4/15	In Areas 4B, 5, 6, 6C the treaty troll fishery will be open from November 1, 2020 through April 15, 2021, or when the catch reaches the harvest ceiling of 8,500 Chinook, whichever comes first. 1,000-foot closures around stream mouths. Hoko Bay closed inside the area bounded by a line from Kydaka Point to Shipwreck Point for the month of November. The catch estimates for this fishery modeled in FRAM are statistically derived predictions, and are the best available pre-season estimates of catch in this fishery. In order to have the actual catch reflect run strength, however, these estimates will not be treated as a ceiling when the managers make in-season fishery management decisions. The winter troll catch ceiling is 8,500 Chinook.
4/16-4/30	Closed

**Areas 4B, 5, & 6C Treaty Net (Ntrty net closed)**

Note: The catch estimates for this fishery modeled in FRAM are statistically derived predictions, and are the best available pre-season estimates of catch in this fishery. In order to have the actual catch reflect run strength, however, these estimates will not be treated as a ceiling when the managers make in-season fishery management decisions.

Chinook	Open for setnet gear only, 6/21 through 8/22; 7 days a week; Hoko Bay closed, inside the area bounded by a line from Kydaka Point to Shipwreck Point; Freshwater Bay closed, south of Angeles Pt./Observatory Pt. line; 1,000-ft. closure around stream mouths.
---------	---

Sockeye	Start to be determined by Fraser River Panel. The Co-managers have identified the following management actions to control by- catch of Chinook. Estimated by-catches are best estimates and are not quotas or ceilings. The priority for this fishery is to harvest the full Treaty share of Sockeye salmon, while managing the fishery so as to not greatly exceed the projected incidental harvest of Chinook salmon. All Chinook by-catch in this fishery will be promptly reported by each Tribe to the NWIFC TOCAS database and reported to the U.S. section of the Fraser Panel at least weekly, including take home and ceremonial and subsistence (C&S). If in-season the Chinook by-catch in this fishery exceeds 1,300, the Tribes will consider management actions to limit the Chinook by-catch, such as time or area restrictions, while continuing the priority objective of harvesting Sockeye salmon. If in-season the fishery is projected to result in a total Chinook by-catch exceeding 3,300 Chinook, the Tribes will, effective with that scheduled fishery opening, prohibit any commercial sales of Chinook salmon, and any Chinook salmon landed must be delivered to the fishers' respective Tribe.
---------	---

Coho	Open for gillnets starting at 6 days per week with in-season adjustments based on cumulative catch. Fishery will target Coho from the end of Fraser Panel control, through 10/10; 1,000 ft. closure around stream mouths. Hoko Bay closed, inside the area bounded by a line from Kydaka Point to Shipwreck Point.
Chum	Open for gillnets, starting at 6 days per week (day may be added if effort is low), 10/11 through 11/14; 1,000-foot closure around stream mouths. Hoko Bay closed, inside the area bounded by a line from Kydaka Point to Shipwreck Point.

**Area 5 Recreational**

Kydaka Point Closure: Waters south of a line from Kydaka Point westerly, approximately 4 miles to Shipwreck Point closed to salmon angling 7/1-9/30.

5/1-6/30	Closed
7/1-9/30	2 fish limit, (Chinook 22" min size); release Chum, wild Coho and wild Chinook. Release all Chinook 8/16-9/30.
10/1-2/28	Closed
3/1-4/30	2 fish limit (Chinook 22" min size), release wild Coho and wild Chinook.

**Area 6 Recreational**

5/1-6/30	Closed
----------	--------

7/1-9/30	2 fish limit, release Chinook, wild Coho, and Chum; except W. of true N/S line through "2" buoy near tip of Ediz Hook retention of marked Chinook allowed (Chinook 22" min size). South of Angeles Pt. /Observatory Pt. line – closed to angling. Pt. Angeles Hbr. W. of line from tip of Ediz Hook to ITT Rayonier Dock – closed to salmon angling. Release all Chinook 8/16-9/30.
10/1-4/30	Closed

## 2.2 Strait of Juan de Fuca Terminal Areas

### Area 6D Dungeness Bay Net

Note: The following applies to all 6D Dungeness Bay Coho fisheries (Tribal & WDFW): Co-managers agree to examine the feasibility of creating an in-season run size update for the 6D Coho fishery prior to the start of the 2020 season. If co-managers agree on the usefulness of the update model, the update will be used in-season to evaluate the likelihood of achieving the hatchery egg take goal and guide subsequent management of the bay and river fisheries. Absent in-season conditions that support the likely achievement of egg take goals, Dungeness Bay fisheries may close early.

Chinook	All	Closed
Coho	Trty	Open 9/21 through 10/31; Additional days beyond 10/31 may be considered; 9/21 through 10/10, seven days per week, fishing daylight hours only, nets must be attended by fisher, Chinook and Chum release; 10/11 through 10/31 (or 11/5 should conditions allow), seven days per week, 24 hours per day; 1,500 ft closure around mouth of Dungeness River.
	Ntrty	Open Wk 39 (wb 9/20) through Wk 45 (wb 11/1) for skiff gillnet gear; 7AM – 7PM; Wk 39-44 M-F; Chinook and Chum NR, release by cutting ensnaring meshes; 1,500 ft. (1/4 nautical mile) closure around each river mouth and 500 ft. Closure around Meadowbrook Cr. mouth. Fishery may close early pending in-season information. Openings possible in Wk 45 (wb 11/1) based on in-season information.
Chum	All	Closed

### Dungeness River (Treaty and Recreational)

Note: The following applies to all Dungeness Bay and River Coho fisheries (Tribal & WDFW): Co-managers will meet on, or prior to October 14, 2020 to review current in-season conditions and the results of an in-season run size update, if available. Absent in-season conditions that support the likely achievement of egg take goals, Dungeness River fisheries may remain closed. If flows are precluding Coho from moving upriver to

the hatchery, the Dungeness River fishery will remain closed until conditions allow Coho movement upriver.

**Dungeness River Treaty (Ntrty net closed)**

Chinook	Trty	Closed
Coho	Trty	Commercial fishing up to 3 days/wk, to be determined in-season, for Coho only, is scheduled to open on 10/16 and will be restricted to areas below the Dungeness hatchery intake using species selective (hand-held) gear. Subsistence fishing using selective gear is scheduled to open on 10/16. Refer to the co-management agreement above for possible emergency openings.
Chum	Trty	Closed

**Elwha River Treaty (Ntrty net closed)**

Chinook	Trty	Closed except Ceremonial Harvest of 4 fish in July.
Coho	Trty	Closed
Chum	Trty	Closed

**Dungeness Bay Recreational**

5/1-9/30	Closed to salmon.
10/1-10/31	2 fish limit, hatchery Coho only.
11/1-4/30	Closed to salmon.

**Dungeness River Recreational**

mouth to the forks at Dungeness Forks Campground	10/16-11/30	4 fish limit, hatchery Coho only; 12" min size.
--	-------------	---

**Elwha River Recreational**

Closed to salmon and gamefish
-------------------------------

**Hoko River Recreational**

mouth to cement bridge (mile 7.0) on Hoko/Ozette Hwy.	Closed to salmon
---	------------------

All other STRAIT OF JUAN DE FUCA REGION freshwater recreational closed to salmon angling.

## 2.3 San Juan Islands/Point Roberts Area

### Areas 6, 7, & 7A Net

Chinook	All	Closed
Sockeye	Trty	<p>Schedule to be determined. The Co-managers have identified the following management actions to track and control by-catch of Chinook. Estimated by-catches are best estimates and are not quotas. The priority for this fishery is to harvest the full treaty share of Sockeye salmon, while managing the fishery so as to not greatly exceed the projected incidental harvest of Chinook salmon. All Chinook by-catch in this fishery will be promptly reported by each Tribe to the NWIFC TOCAS database and reported to the U.S. Section of the Fraser Panel at least weekly, including take home and ceremonial and subsistence (C&amp;S).</p> <p>Prior to achieving a by-catch of 4,200 Chinook there will be no restrictions on the retention or sale of Chinook salmon. If, during the season, the Fraser Panel schedules a fishery that is projected to result in a total Chinook by-catch exceeding 4,200 fish, the Tribes will, effective with that scheduled fishery, prohibit any commercial sales of Chinook salmon, and any Chinook salmon landed must be delivered to the fisher's respective Tribe. Reef net wild Coho, wild Chinook, and Chum NR. Reef net may retain marked Chinook through 9/30. Further policy discussion may occur among the affected parties prior to the season.</p>
	Ntrty	<p>Schedule to be determined. The Co-managers have identified the following management actions to track and control by-catch. Modeled by-catches are best estimates and are not quotas. All vessel operators must complete best fishing practices certification prior to fishing. PS: brailing required. Chinook and Chum NR. Reef net Chum, and unmarked Chinook NR. Reef net: fishers may retain hatchery Chinook, with a cap of 300 and unmarked Coho with a cap of 500 for all gears through 9/30. Estimates of by-catch will be shared at least weekly in the U.S. Section of the Fraser River Panel. Purse seine and gillnet fisheries will be managed to ensure that the non-treaty impact does not exceed 3,771 total Chinook (120% of pre-season estimate).</p>

Coho	Trty	Reef net: 7 days/wk beginning at end of Fraser Panel management through 11/7; Chinook NR after 9/30. Chum NR through 9/30.
	Ntrty	Reef net: 7 days/wk beginning at end of Fraser Mgmt through Chum mgmt wk 41 (wb 10/4); Chinook NR after 9/30; unmarked-Coho retention allowed through 9/30 with a cap of 500, then Coho retention. Chum retention prohibited until after 9/30. All vessel operators must complete best fishing practices certification prior
Chum	Trty	The Treaty fishery will open October 10 (dependent on run status updates from CDFO) and remain open. See attached 2020 7/7A Chum Fishing Plan. Reef nets open from end of Fraser Panel management through end of Chum management (11/7), 7 days/wk. Reef net release requirements listed in Coho fishery description, above.
	Ntrty	Dependent on update of run status from CDFO. PS and GN open wk 41 (wb 10/4) through wk 45 (wb 11/1). Open 10/11, 10/12, 10/14, 10/15 and may re-open through the end of the season on 10/18 or 10/19 based on conditions outlined in the attached agreement. Co-managers will meet via conference call on Friday 10/16 to discuss catch to data. PS: brailing and recovery box required, Chinook and Coho NR. GN: during wk 41, Chinook and Coho NR, recovery box required and limited soak times in effect. Reef nets open from end of Fraser Panel management through wk 45 (wb 11/1), 7 days/wk, must release all Chinook. All vessel operators must complete best fishing practices certification prior to fishing.
Subsistence	Trty	12/1 – 4/30 subsistence troll fishery (Chinook 22" min size). Bellingham Bay closed 4/1 – 4/30.

**Area 7 Recreational**

5/1-6/30	Closed
7/1-7/31	2 fish limit, (Chinook 22" min size); release wild Chinook; Bellingham and Samish Bay closed to salmon.
8/1-8/15	2 fish limit, release Chinook; Bellingham Bay and Samish Bay closed to salmon.
8/16-8/31	2 fish limit, (Chinook 22" min size), release wild Chinook; Samish Bay closed to salmon.
9/1-9/30	2 fish limit, Release Chinook.

10/1-4/30	Closed
-----------	--------

## 2.4 Nooksack/Samish Terminal Region

### Bellingham Bay (Areas 7B, 7C, 7D; 7A On-Reservation) Net

Chinook	Trty	<p>Areas 7B, &amp; 7D: August 2 through September 4, open weekly 4 PM Sunday to 4 PM Friday. Fishing pattern: 5,5,5,5,5.</p> <p>Area 7C: August 2 through September 11, open weekly 4 PM Sunday to 4 PM Friday. Fishing pattern: 5,5,5,5,5,5.</p> <p>Samish Bay is closed southeasterly of a line from Oyster Creek to the fisheries marker on Samish Island, except that hand pull gillnets may fish from 4 PM Sunday to 4 PM Wednesday south to a line from Oyster Creek to Fish Point on Samish Island, August 12 through September 129 Sunday 4 PM to Wednesday 4 PM, weekly. Fishing pattern: 3,3,3,3,3,3,3. 6 1/2" mesh in 7C and off-reservation areas of 7B, except when open for sockeye in Area 7 and 7A.</p>
	Ntrty	<p>Areas 7B &amp; 7C: Wks 34 (wb 8/16) - 36 (wb 8/30); PS Coho NR through wk 35. GN fishing pattern: 4, 4, 5; PS fishing pattern: 1,1,1.</p>

Coho	Trty	<p>Area 7A on-reservation fishery: September 6 through September 30. Open weekly 4 PM Sunday to 4 PM Wednesday. Fishing pattern: 3,3,3,3.</p>
		<p>Areas 7B and 7D: September 6 through October 17, open Sunday 4 PM to Saturday 4 PM. Fishing pattern: 6,6,6,6,6,6.</p>
		<p>7C: On September 25, a Co-manager conference call will be held to determine the status of Samish Chinook escapement. If the escapement goal appears to be attainable, and through development of a Co-manager agreed in-season update methodology it is determined that there is a harvestable surplus of Samish Coho, then a Coho fishery will open September 27 to October 14, Sunday 4 PM to Wednesday 4 PM, weekly. Fishing pattern: 3,3,3.</p>
	Ntrty	<p>Area 7B: Wks 37 (wb 9/6) - 43 (wb 10/18); GN fishing pattern: 5,5,7,7,7,7,7 (24 hrs for all days); PS fishing pattern: 3,3,7,7,7,7,7.</p>



Chum	Trty	Areas 7B & 7D: Oct. 18 – Dec.7; open weekly 4 PM Sunday to 4 PM Monday; Fishing pattern: 1,1,1,1,1,1,1,1.
	Ntrty	Area 7B: Wks 44 (wb 10/25) - 49 (wb 11/29); PS; 1,1,1,1,1,1 and GN 2,2,2,2,2,2. Whatcom Creek Zone (east of line from Post Point to flashing red light at west entrance of Squalicum Harbor) Closed.

**Nooksack River Treaty Net (Ntrty net closed)**

Note: On a weekly basis, Nooksack Tribe commercial fisheries on the Nooksack River will open at 12:01 AM Sun, except that portion of the river between Marine Drive Bridge and the first turn (“Big Bend”) in the river upstream of the Slater Road Bridge (approximately ¼ mile upriver from the Slater Road Bridge), which will open at 4:00 PM Sunday. On a weekly basis, the Nooksack Tribe’s commercial Chinook fisheries will close 4:00 PM Friday; Coho fisheries will close 4:00 PM Saturday and Chum fisheries will close 4:00 PM Monday.

Chinook	4/5-6/15	April to mid-June: limited ceremonial and subsistence fishery will be managed for a total mortality of 35 NOR Chinook. A traditional fishery will occur 500 feet upriver from the Highway 9 bridge in the lower North Fork and 500 feet downriver from the Nugent’s Corner Boat Launch in the mainstem (the boat launch is located just down river from Nugent’s Corner Bridge) (RM 30.6 and 36.8) except that in 2020 any openings from 6/1 - 6/15 will be limited to the area downstream from the railroad trestle that is downstream of the SR 9 Bridge. This will avoid overlap with the lower portion of the WDFW recreational fishery. A total of 156 Chinook are projected in this fishery with an anticipated 8 NORs among the 156. This fishery is by permit only. Another fishery will occur in the lower Nooksack River between the Slater Road bridge and the river mouth (between RM 0.0 and 3.5). The lower is estimated to result in 27 NOR Chinook mortalities. The river fishery may be selective and/or non-selective and the selective fishery will release NOR Chinook and apply a release mortality rate of 30% to these fish. Based on in-season harvests and fishing conditions, the Nooksack Tribe and Lummi Nation may discuss alternate sharing arrangements of the allowable 35 NOR mortalities.
---------	----------	---

	8/2 – 9/5	Open weekly 4 PM Sunday to 4 PM Saturday, August 2 through 4 PM September 5. Fishing pattern: 6,6,6,6,6. The river is divided into five zones during this period. These zones open in subsequent weeks, proceeding upriver, to protect migrating spring Chinook. Zone 1 is from Marine Drive Bridge to Slater Bridge. Zone 2 is from Slater Bridge to Hannegan Bridge in Lynden. Zone 3 is from Hannegan Bridge to Nugent's Corner Bridge. Zone 4 is from Nugent's Corner Bridge to the confluence of the north and south forks. The area in Zone 4, 1.3 miles downstream of the confluence (down to Nooksack Tribe blue colored automotive shop) will remain closed to protect holding Spring Chinook.
Coho	9/6 – 10/17	Open weekly 4 PM Sunday through 4 PM Saturday. Fishing pattern: 6,6,6,6,6,6. The area in Zone 4, 1.3 miles downstream of the north and south Fork confluence (down to Nooksack Tribe blue colored automotive shop) will remain closed through 4 PM September 23 to protect holding Spring Chinook.
Chum	11/1 – 11/22	Subsistence harvest only. The Lummi Nation and Nooksack Tribe will schedule one day of subsistence fishing between November 1 and November 22.
	10/18 – 12/7	Commercial. Open weekly 4 PM Sunday to 4 PM Monday. Fishing pattern: 1,1,1,1,1,1,1,1.

**Bellingham Bay Terminal Area Recreational**

5/1-8/15	Closed to Salmon
8/16-9/30	4 fish limit, 2 Chinook (Chinook 22" min size); Samish Bay closed.
10/1-4/30	Closed to Salmon.

**Nooksack River Recreational; mainstem and North Fork**

from Lummi Indian Reservation boundary to yellow marker at the FFA high school barn in Deming	9/1 – 12/31	2 fish limit, plus 2 additional hatchery Coho; 12" min size. Release wild Chinook through 9/30. Release Chum. Night closure and anti-snagging rule 9/1 - 11/30
---	-------------	--

from yellow marker at the FFA high school barn to confluence of North and South forks	10/1 – 12/31	2 fish limit, plus 2 additional hatchery Coho; 12” min size. Release Chum. Night closure and anti-snagging rule 10/1-11/30.
---	--------------	---

**Nooksack River Recreational, South Fork**

from mouth to Skookum Creek	10/1 – 12/31	2 fish limit, plus 4 additional hatchery Coho; 12” min size. Release Chum. Release wild Chinook 10/1 – 10/15. Only one single-point hook allowed. Night closure.
-----------------------------	--------------	--

**Nooksack River Recreational, North Fork**

Nooksack River, North Fork, Hwy 9 bridge to marker at top of Kendall Hatchery	6/1-6/30	2 hatchery Chinook only, 12” min size. Night Closure. Only one single-point hook allowed.
Nooksack River, North Fork, Hwy 9 bridge to Maple Creek	10/1 – 11/30	2 fish limit, plus 2 additional hatchery Coho; 12” min size. Release Chum. Night closure and anti-snagging rule.

**Samish River Recreational**

from mouth to Thomas Road Bridge	8/1-9/13	2 fish limit, 12” min size. Release wild Coho and Chum. Night closure. Only one single point hook allowed. Only fish hooked inside the mouth may be retained.
----------------------------------	----------	---

**Dakota Creek Recreational**

mouth to Giles Road Bridge		Salmon closed for 2020. Selective gear rules.
----------------------------	--	---

**Whatcom Creek Recreational**

mouth to yellow markers below foot bridge below Dupont St. in Bellingham		Closed to all fishing.
--	--	------------------------

All other NOOKSACK/SAMISH TERMINAL REGION freshwater recreational: Closed to salmon angling.

## **2.5 Skagit Terminal Region**

Terminal area fisheries will be managed so as not to exceed total projected incidental fishery mortalities of Skagit wild summer/fall Chinook. Treaty schedules may be changed in-season as necessary to meet management objectives and harvestable shares and to address river and weather conditions. Swinomish, Sauk-Suiattle, and Upper Skagit Tribes' fisheries will be managed so as not to exceed their individual shares based on the preseason forecast and any in-season update that becomes available. The modeled inter-tribal catch distributions are forecasts only and do not set a precedent for future years.

The Sauk-Suiattle, Upper Skagit and Swinomish Tribes reserve the opportunity to take C&S reserved Chinook across the entire duration of this LOAF agreement, May 1, 2020 through April 30, 2021. The Upper Skagit and Swinomish Tribes reserve the right to reallocate catch between commercial and C&S as needed and in response to changes in goals and ISUs. Further, Upper Skagit and Swinomish Tribes reserve the right to adjust fishery dates and the logistics of modeled fisheries due to water conditions or allocative reasons throughout its Usual & Accustomed fishing areas.

The Sauk-Suiattle, Upper Skagit and Swinomish Indian Tribes may propose spring Chinook fisheries to begin in April of 2021 and extending into May 2021. Opening of these fisheries would be dependent on the co-managers submission of a supplemental Skagit spring Chinook fishery plan for the spring Chinook management period, for NMFS' review and concurrence. The plan would detail the following: the forecasted Skagit spring Chinook MU run size for 2021; the management objectives that would be in place for that run-year; an estimate of allowable impacts and those estimated to be taken during the spring Chinook management period; plans for monitoring this period, and a description of how this fishery would operate within any limits in place for other ESA-listed species incidentally encountered during this fishery. The parameters of this fishery would be subject to modification by the co-managers on submission to NMFS of a revised plan, independently or as part of the 2021-2022 LOAF.

The Skagit co-managers will utilize the same update models for Sockeye (river/lake Trap method), Coho (Blakes/Spudhouse test fishery method), and Chum ISU (Bay/Jetty/Blakes test fishery method) consideration (with data from 2019 added) that have been used in recent years. Other models may be considered with co-manager agreement should they become available before the fishery.

NOTE: WDFW will share creel sampling and enforcement reports in-season as fisheries progress. The Skagit River recreational fisheries will follow sampling plans provided in past years. Communication: Co-managers will share available information from the Areas 4, 5, and 6 recreational fisheries (species, mark, size, catch, encounter) the second week of August. This information will be evaluated against pre-season expectation and provide co-managers with additional information which may be useful in management considerations.

**Skagit Bay (Area 8) Net**

Note: Fishing schedules for Skagit Bay, Skagit River, and Baker River are pre-season projections. Schedules may be changed in-season as necessary to meet management objectives and harvestable shares.

Chinook	Area 8 - Trty	Swinomish Tribe may elect to take some or all of their C&S reserved Chinook in Area 8.
Spring Chinook	Area 8 – Trty	<u>Swinomish Tribe fishing pattern:</u> wk 18 (wb 4/26) thru wk 20 (wb 5/10):3, 3.5, 1. Additionally, Swinomish will fish the following schedule in April 2021 during the timeframe of the 2020-2021 LOAF: wk 17 (wb 4/18/2021) thru wk 18 (wb 4/25/2021): 2,2. Once a 2021 Spring Chinook forecast is available, Chinook impacts for these April 2021 fishing days will be modeled during the 2021-2022 NOF/PFMC process such that they are applied to the correct biological return year.  <u>Upper Skagit Tribe fishing pattern:</u> No scheduled fishery.
Sockeye	Area 8 – Trty	Swinomish Tribe fisheries will be managed so as not to exceed their individual Sockeye shares based on the preseason forecast and any in-season update that becomes available.  <u>Swinomish Tribe fishing pattern:</u> wk 27 (wb 6/28) thru wk 28 (wb 7/5):2.292, 2.292; Additional fishing dependent on ISU.  <u>Upper Skagit Tribe fishing pattern:</u> No scheduled fishery.
	Ntrty	Closed
Coho	Trty	If ISU changes abundance status, treaty shares may be modified following co- manager discussions.
	Area 8 – Trty	<u>Swinomish Tribe fishing pattern:</u> wk 39 (wb 9/20) thru wk 40 (wb 9/27): 2,2. <u>Upper Skagit Tribe fishing pattern:</u> No scheduled fishery.
	Ntrty	Closed
Chum	Area 8 – Trty	<u>Swinomish Tribe fishing pattern:</u> No preseason harvestable. <u>Upper Skagit Tribe fishing pattern:</u> No preseason harvestable.

	Ntrty	Closed. May open pending co-manager agreement on ISU that indicates harvestable runsize.
Chum Test	Area 8	1 boat at Jetty and 1 boat in Bay 1 day/wk 44 (wb 10/25) & 45 (wb 11/1).
	Ntrty	Closed. May open pending co-manager agreement on ISU that indicates harvestable runsize.

**Skagit River Treaty Net (Ntrty net closed)**

Chinook	Ceremonial and Subsistence – 2,934 fish (75 spring and 2,859 summer/fall) total: Swinomish (25 spring, 1,463 summer/fall), Sauk-Suiattle (400 summer/fall), and Upper Skagit (50 spring, 996 summer/fall) Tribes. <b>[The Sauk-Suiattle Tribe does not agree with a Swinomish harvest of 25 and Upper Skagit 50 as this eliminates some harvest of Spring Chinook at the Tribe’s adjudicated U&amp;A’s and places all of the conservation burden upon the Sauk-Suiattle Tribe rather than being shared among the co-managers.-Upper Skagit and Swinomish object to this language]</b>	
Spring Chinook	Area 78C	<p><u>Swinomish Tribe fishing pattern:</u> wk 18 (wb 4/26) thru wk 20 (wb 5/10):3, 3.5, 1. Additionally, Swinomish will fish the following schedule in April 2021 during the timeframe of the 2020-2021 LOAF: wk 17 (wb 4/18/2021) thru wk 18 (wb 4/25/2021): 2,2. Once a 2021 Spring Chinook forecast is available, Chinook impacts for these April 2021 fishing days will be modeled during the 2021-2022 NOF/PFMC process such that they are applied to the correct biological return year.</p> <p><u>Upper Skagit Tribe fishing pattern:</u> wk 18 (wb 4/26) thru wk 20 (wb 5/10):0.25, 0.625, 0.25. Additionally, Upper Skagit will fish the following schedule in 2021 during the timeframe of the 2021-2022 LOAF: wk 17 (wb 4/18/2021) thru wk 20 (wb 5/9/2021): 0.5, 0.5, 0.5, 0.5. Once a 2021 Spring Chinook forecast is available, Chinook impacts for these 2021 fishing days will be modeled during the 2021-2022 NOF/PFMC process such that they are applied to the correct biological return year.</p>

	Area 78D	<p><u>Upper Skagit Tribe fishing pattern:</u> wk 18 (wb 4/26) thru wk 20 (wb 5/10):0.25, 0.625, 0.25.</p> <p>Additionally, Upper Skagit will fish the following schedule in 2021 during the timeframe of the 2021-2022 LOAF: wk 17 (wb 4/18/2021) thru wk 20 (wb 5/9/2021): 0.5, 0.5, 0.5, 0.5. Once a 2021 Spring Chinook forecast is available, Chinook impacts for these 2021 fishing days will be modeled during the 2021-2022 NOF/PFMC process such that they are applied to the correct biological return year.</p>
	Area 78P Cascade R.	<p><u>Sauk-Suiattle Indian Tribe fishing pattern:</u> wk 23 (wb 5/31) thru wk 31 (wb 7/26); 3,3,3,3,3,3,3,3,3. Fishery managed to a 150 spring Chinook quota. Release natural Chinook.</p>
Sockeye	<p>Ceremonial and Subsistence - <b>[200 fish Upper Skagit Tribe.][100 sockeye Sauk-Suiattle to be taken at Baker River upstream trap</b> (Upper Skagit and Swinomish object).] Swinomish, <b>[Sauk-Suiattle</b> (Upper Skagit and Swinomish object),] and Upper Skagit Tribes may elect to collect some of their allocation from the Baker River upstream fish trap. <b>[The Sauk-Suiattle Tribe has no adjudicated usual and accustomed fishing area rights to the Baker River, Baker Lake, or the Skagit downstream of the Baker River, and therefore no share of Baker sockeye, nor management authority in those areas or for this species.] [The Agreement with Puget Sound Energy requires that all four co-managers must agree by consensus if fish are to be taken from the trap. In the absence of a consensus which includes agreement by co-manager Sauk-Suiattle, Swinomish, and Upper Skagit may not collect fish from the Trap</b> (Upper Skagit and Swinomish object)].</p>	
	Area 78C	<p>Swinomish and Upper Skagit Tribes' fisheries will be managed so as not to exceed their individual Sockeye shares based on the preseason forecast and any in-season update that becomes available.</p> <p><u>Swinomish Tribe fishing pattern:</u> wk 27 (wb 6/28) thru wk 28 (wb 7/5):2.292, 2.292; Additional fishing dependent on ISU.</p> <p><u>Upper Skagit Tribe fishing pattern:</u> wk 27 (wb 6/28) thru wk 30 (wb 7/19): 0.167, 0.167, 0.167, 0.167. Additional fishing dependent on ISU.</p>

Sockeye	Area 78D Area 78O	<p>Swinomish and Upper Skagit Tribes' fisheries will be managed so as to not exceed their individual Sockeye shares based on the preseason forecast and any in-season update that becomes available.</p> <p><u>Swinomish Tribe fishing pattern (Area 78D-4 and Baker River):</u> Wk 28 (wb 7/5) thru wk 29 (wb 7/12): 1, 1; Additional fishing dependent on ISU; <u>Upper Skagit Tribe fishing pattern:</u> wk 27 (wb 6/28) thru wk 30 (wb 7/19): 0.167, 0.167, 0.167, 0.167; Additional fishing dependent on ISU.</p>
Coho		<p>If ISU changes abundance status, treaty shares may be modified following co-manager discussions.</p> <p>Ceremonial and Subsistence 200 fish total Swinomish and Upper Skagit Tribes (100 each).</p>
	Area 78C:	<p><u>Swinomish Tribe fishing pattern:</u> wk 39 (wb 9/20) thru wk 40 (wb 9/27): 2,2.</p> <p><u>Upper Skagit Tribe fishing pattern:</u> wk 39 (wb 9/20) thru wk 43 (wb 10/18): 0.583, 0.5, 0.5, 0.5, 0.5.</p>
	Area 78D	<p><u>Upper Skagit Tribe fishing pattern:</u> wk 39 (wb 9/20) thru wk 43 (wb 10/18): 0.583, 0.5, 0.5, 0.5, 0.5.</p>
	Area 78P Cascade R.	<p><u>Sauk-Suiattle Indian Tribe fishing pattern:</u> wk 40 (wb 9/27) thru wk 46 (wb 11/8); 3,3,3,3,3,3. Fishery managed to a 2000 Coho quota.</p>
Chum	Area 78C	<p><u>Swinomish and Sauk-Suiattle Tribes fishing pattern:</u> No preseason harvestable.</p> <p><u>Upper Skagit Tribe fishing pattern:</u> No preseason harvestable.</p>
	Area 78D	<p><u>Upper Skagit Tribe fishing pattern:</u> No preseason harvestable.</p>
River Test	Chinook	<p>Area 78C - Blakes wk 19 (wb 5/3) thru wk 35 (wb 8/23);1 boat, 6 hours/wk.</p>
	Sockeye	<p>Area 78C – Blakes wk 24 (wb 6/7) thru wk 29 (wb 7/12); 1 boat, 12 hours/wk; Area 78D-3 - Upper Skagit - wk 23 (wb 5/31) thru wk 30 (wb 7/19);1 boat, 4 hrs/wk.</p>
	Coho	<p>Area 78C - Blakes Drift, wk 38 (wb 9/13) thru wk 42 (wb 10/11), 12 hours/wk; Area 78C – Spudhouse Drift, Upper Skagit, wk 34 (wb 8/16) thru wk 42 (wb 10/11);1 boat, 12 hours/wk; Area 78D-3 Wk 35 (wb 8/23) thru wk 44 (wb 10/25);1 boat, 4 hours/wk.</p>
	Chum	<p>Area 78C - Blakes Drift wk 44 (wb 10/25) and wk 45 (wb 11/1);1 boat, 12 hours/wk.</p>



**Swinomish Channel Treaty Net (Ntrty net closed)**

Coho	No separate openings. Area opens during Area 8 openings.
------	--

**Area 8-1 Recreational**

5/1-4/30	Closed
----------	--------

**Baker River/Lake Recreational**

mouth to Dam	Closed to salmon.	
Baker Lake	Dependent on return	Sockeye fishery dependent on return where a minimum of 2,500 Sockeye have been transported to Baker Lake before consideration of a fishery. Fishery would be opened by emergency rule. No fishery will be implemented sooner than Saturday, July 11, 2020. Season will be constrained to achieve spawning goals.

**Cascade River Recreational**

mouth to Rockport-Cascade Road Bridge	6/1 – 7/15 Open Thursdays through Sundays only	4 fish limit, only 2 may be adults, hatchery Chinook only, 12” min. size. Night closure and anti-snagging rule.
	9/16 – 11/30 Open Thursdays through Sundays only	4 fish limit, Coho only, 12” min. size.

**Skagit River Recreational**

Specific gear conflict closure dates have not been identified but recreational fishing for all species will close two days from the mouth to highway 530 bridge in Rockport weeks 39-43 for Coho.

Mouth to Hwy 536 at Mt. Vernon (Memorial HWY Bridge)	9/1 – 10/31	2 fish limit, release Chinook and Chum. 12” min size
from Memorial Hwy Bridge to Gilligan Creek	5/16-5/31	2 fish limit, hatchery Chinook only, 12” min size.
		Sockeye closed in 2020
	9/1 – 10/31	2 fish limit, 12” min size. Release Chinook and Chum.
Mouth of Gilligan Creek to Dalles Bridge at Concrete	9/1 – 10/31	2 fish limit, 12” min size. Release Chinook and Chum.

Dalles Bridge at Concrete to Hwy 530 Bridge at Rockport	9/1 – 10/31	2 fish limit, 12” min size. Release Chinook and Chum.
Hwy 530 Bridge at Rockport to Cascade River Rd	6/1 – 7/15	4 fish limit, hatchery Chinook only, 12” min size. Only 2 may be adults. Night closure and anti-snagging rule.
	9/1 – 10/31	2 fish limit, 12” min size. Release Chinook and Chum.

**All other SKAGIT TERMINAL REGION freshwater recreational closed to salmon angling.**

## 2.6 Stillaguamish/Snohomish Terminal Region

### Area 8A Net

Chinook	Trty	Closed (Ceremonial set-aside of up to 100 Chinook, July-September period).
	Ntrty	Closed
Coho	Trty	Tulalip Tribes: (9/6 - 10/10) 1 day per week. Manage for 50,000 escapement to the Snohomish River (see Snohomish River Natural Coho Rebuilding Plan), with ISU at weeks 39 and 40.
	Test	Closed
	Ntrty	Closed
Chum	Trty	Closed
	Test	Closed
	Ntrty	Closed

### Area 8D Net

Chinook	Trty	BS, RH, GN gear outside Tulalip Bay may be open during the following periods: (5/4 – 5/31) 5 days per week (6/1 – 8/22) 4 ½ days per week: Mon – 11:59 AM Fri (8/23 - 8/29) 4 days per week  Setnets inside Tulalip Bay may be open during the following period: (5/4 – 8/22) 5 days per week (8/23 - 8/29) 4 days per week
	Ntrty	Closed (see recreational SAF)
Coho	Trty	(8/30 – 9/12) BS, RH, GN, SN gears open 4 days per week. (9/13 - 10/3) BS, RH, GN, SN gears open 3 days per week. (10/4 - 10/24) BS, RH, GN, SN gears open 4 days per week.
	Ntrty	Closed.
Chum	Trty	(10/25 – 11/28) Open to target Tulalip hatchery chum. Managed to allow for hatchery egg take needs based on Tulalip hatchery escapement updates and projections. All Area 8D fisheries will close concurrently as agreed to by Tulalip and WDFW to ensure egg take requirements are met.
	Ntrty	Closed

**Stillaguamish River Treaty Net (Ntrty net closed)**

Chinook	Ceremonial fishery only; Open 5/1 – 8/15; Up to 7 days per week; maximum catch of 30 Chinook; Open from mouth of Hatt Slough (RM 0) to Danielson Hole (RM 14).
Coho	Commercial fishery; Open 9/1 – 10/31; Up to 5 days per week; Open from mouth of Hatt Slough (RM 0) to Danielson Hole (RM 14).
Chum	C&S fishery only; Open 11/1 – 12/5; Up to 3 days per week; Maximum catch of 300 Chum; Open from mouth of Hatt Slough (RM 0) to Danielson Hole (RM 14).

**Snohomish River Treaty Net (Ntrty net closed)**

Chinook, Coho, Chum	Closed
Coho Test	Closed

**Area 8-2 Recreational**

5/1-4/30	Closed
----------	--------

**Tulalip Special Area Recreational Fishery**

Same as Area 8-2 Recreational, except during the period 5/29-9/27:	5/29-9/7	Open 12:01 AM Friday – 11:59 AM Monday each week. Closed June 9. Open within Tulalip Special Area boundaries only. Closed to all angling east of the line from Mission Point to Hermosa Point. 2 fish limit salmon, 2 pole endorsement (Chinook 22” min. size), release Coho.
	9/12-9/27	Open Saturday and Sunday each week. Open within Tulalip Special Area boundaries only. Closed to all angling east of the line from Mission Point to Hermosa Point. 2 fish limit salmon, 2 pole endorsement (Chinook 22” min. size), release Coho.

**Snohomish River Recreational**

mouth to confluence of the Skykomish and Snoqualmie rivers	Closed	
--	--------	--

**Snoqualmie River Recreational**

mouth to Snoqualmie Falls	Closed	
---------------------------	--------	--

**Skykomish River Recreational**

from mouth to Wallace River	5/23–7/31	4 fish limit, only 2 may be adults, hatchery Chinook only, 12” min. size.
mouth to confluence of North and South forks	Closed	

**Wallace River Recreational**

mouth to 200’ upstream of water intake of salmon hatchery	9/16 – 11/30	1 fish limit, 12” min. size. Hatchery Coho only. Dependent on ISU and hatchery rack counts.
---	--------------	---

**Stillaguamish River Recreational**

mouth to forks	9/1 - 11/15	2 fish limit, Coho Only, 12” min size, selective gear rules.
----------------	-------------	--

See appendix for gamefish season regulations.

**All other STILLAGUAMISH/SNOHOMISH TERMINAL REGION freshwater recreational closed to salmon angling.**

## 2.7 Admiralty Inlet Area

The co-managers have agreed to develop a comprehensive chum management plan over the course of the next three years. It is the intent of co-managers to address catches of Hood Canal origin fall chum, including catches in Catch Areas 9, 10, and 11 in this comprehensive chum plan. Co-managers have agreed to review the balance of pre-terminal impacts to Hood Canal origin chum between tribal and non-tribal fisheries beginning with the 2019 season. This information will identify any overly imbalanced condition that would require further co-manager discussion for future seasons in the interim period.

### Area 9 Net

Chinook	Trty	Ceremonial and Subsistence – Up to 500 Chinook as agreed upon by those Tribes with U&A in Area 9, (PS and Hook & Line, release all Chum 6/1 – 9/30).
	Ntrty	Closed
Chum	Research	Wk 43 (wb 10/18) - 46 (wb 11/8) research fishery to develop stock composition/timing information. Research catch quota of up to 2,400 Chum. Reference 2020 Area 9 Chum Salmon Research Fishery Plan to be developed by NWIFC and tribal staff prior to beginning this research.
	Trty	The Area 9 fall chum fishery north of the HC bridge will open wk 43 (wb 10/18) through wk 45 (wb 11/1); fishing pattern: GN 3,4,3; and PS 4,3,3. Open area restricted to that portion of North Hood Canal bounded to the south by the Hood Canal Bridge and bounded to the north by a line from White Rock due east to landfall. Tribes with adjudicated U&A in the open section of Area 9 may choose to participate. Coho and Chinook model inputs have been modeled during NOF that anticipate the participation levels of 2020. If the fishery reaches a catch threshold of 30,000 chum salmon before 10/30, there will be a conference call among the participating Tribes to discuss any needed fishery management actions. Participating tribes agree to sample tissue for DNA analysis of their tribe's chum catch and wild coho bycatch to the extent practicable.
	Ntrty	Closed

### Area 9 Recreational

5/1 – 7/15	Closed
7/16 – 8/15	2 fish limit, (Chinook 22" min size) release wild Coho, Chum and wild Chinook. Closed south and west of a line from Foulweather Bluff to Olele Point while Chinook retention is allowed.
8/16 – 9/30	2 fish limit; release wild Coho, Chum and Chinook.

10/1 – 4/30	Closed
-------------	--------

**Edmonds Pier Recreational**

Year-Round	2 fish limit, 1 Chinook (Chinook 22" min size), release Chum 8/1-8/31.
------------	--

**3.0 South Sound Region**

**3.1 Area 10 Sub region**

**Area 10 Net**

Chinook	Closed	
Sockeye	Trty	Fishery dependent upon ISU (Ballard lock counts)
	Ntrty	Closed
Coho	Test	Gillnet: Wk 37 (wb 9/6) - wk 39 (wb 9/20); 3 boats, 3 sites; fishing pattern: 2,2,2.
	Trty	On-Reservation only; wk 38 (wb 9/13) – wk 43 (wb 10/18); gillnet/beach seine; 7 days/wk.  Wk 36 (wb 8/30) – wk 40 (wb 9/27). Fishing schedule for Area 10 shall be set consistent with the MST agreement (1983).
	Ntrty	Closed
Chum		
	Test	Purse Seine: Wk 41 (wb 10/4 - wk 46 (wb 11/8); 1 site, fishing pattern: 1,1,1,1,1,1.

Chum	Trty	<p>Suquamish – Tulalip - Treaty allocation based on intertribal sharing agreement. Fishing schedule for Area 10 shall be set consistent with the MST agreement (1983).</p> <p>Fishing pattern: weeks and days/week – ISU dependent. Weekly ISU calls will discuss potential Nisqually winter Chum impacts using 'Area 10-11 chum stock comp estimation 4-5-20 Lates reviewed_Apr7'.</p> <p><u>Suquamish</u> - Wk 41 (wb 10/4) – Wk 45 (wb 11/1) up to 7 days per week. A conference call on Nisqually winter chum will be scheduled on October 31 to discuss the Wk 45 fishery.</p> <p><u>Tulalip</u> – Wk 41 – 43 (10/04-10/24) up to 5 days per week. Tribal managers will have a call on October 23 to discuss a fishery in week 44 dependent on Wk 43 ISU.</p> <p><u>Suquamish</u> – On-Reservation only (set net gear only): Wk 42 (wb 10/11) – Wk 50 (wb 12/6) up to 7 days per week dependent upon Chum return to the Grovers Creek Hatchery.</p>
	Ntrty	<p>Wk 42 (wb 10/11) - 45 (wb 11/1) Fishing will be dependent on result from ACP ISU and co-manager concurrence on fishing. PS Chinook and Coho NR; PS fishing pattern: 1,1,1,2; GN fishing pattern: 1,2,2,2. The area east of a line from Four Mile Rock south to Alki Point is closed. PS and GN restricted from fishing in modified closure areas 10(5) and 10(6) as described in WAC 220-354-080.</p>

**Area 10A Treaty Net (Ntrty net closed): That portion of Elliott Bay east of the line from Pier 91 to the light at Duwamish Head.**

Chinook	Trty Test	<p>Gillnet: Wk 29 (wb 7/12) – Wk 31 (wb 7/26); 7/15,7/22,7/29 (Wednesday nights); 5 fishing sites (one boat per site). 8 PM to 8 AM.</p>
	Trty	<p>Gillnet: Wk 32 (wb 8/2) 8/5; 8 PM to 8 AM. Based on ISU: Wk 33 (wb 8/9) 8/12; 8 PM to 8 AM. Based on ISU. (Any additional openings (after 8/12) will be discussed &amp; agreed by co-managers)</p>



	Trty	Ceremonial and subsistence fisheries
Coho	Trty	Gillnet: Fishery will open Wk 37 (wb 9/6) – Wk 42 (wb 10/11) up to 5 days per week (Sun – Fri). (Fishery will close if the Duwamish/Green River ISU does not show harvestable Coho. If the ISU shows harvestable Coho the fishing pattern will be as stated above).
	Trty	Ceremonial and subsistence fisheries
Chum	Trty	Gillnet: Wk 43 (wb 10/18) - Wk 48 (wb 11/22); fishing pattern: up to 5 days per week (Sun – Fri).
	Trty	Ceremonial and subsistence fisheries

**Duwamish/Green River (Area 80B) Treaty Net (Ntrty net closed)**

Chinook	Trty	Gillnet: Wk 32 (wb 8/2) 8/5; 8 PM to 8 AM. Based on ISU: Wk 33 (wb 8/9) 8/12; 8PM to 8 AM. Based on ISU. (Any additional openings (after 8/12) will be discussed & agreed by co-managers)
	Trty	Ceremonial and subsistence fisheries
Coho	Trty Test	Wk 37 (wb 9/6) Coho ISU test fishery on the river (from the mouth of the East and West waterways up to 16 <sup>th</sup> Ave. Bridge). The 6 sites are as follows: East Waterway, West Waterway, Old Riverside Marina, Kellogg Island, 1 <sup>st</sup> Ave Bridge and 16 <sup>th</sup> Ave Bridge.
Coho	Trty	Gillnet: Fishery will open Wk 38 (wb 9/13) up to the Boeing St. bridge. Starting on Wk 39 (wb 9/20) the fishery will open up to the HWY 99 bridge. Up to 5 days per week (Sun – Fri). (Fishery will be closed if the treaty test ISU does not show harvestable Coho. If the ISU shows harvestable Coho the fishing pattern will be as stated above).
	Trty	Ceremonial and subsistence fisheries
Chum	Trty	Gillnet: Wk 44 (wb 10/25) – Wk 48 (wb 11/22); fishing pattern: 5 days per week (Sun – Fri).
	Trty	Ceremonial and subsistence fisheries

**Area 10E Treaty Net (Ntrty net closed; see below for recreational SAF)**

Chinook	Trty	Wk 30 (wb 7/19) - wk 38 (wb 9/13); fishing pattern: 7 days/wk. Possible extension for Sinclair Inlet.
Coho	Trty	On-Reservation only; wk 38 (wb 9/13) - wk 43 (wb 10/18); gillnet/beach seine; 7 days/wk.
Chum	Trty	Wk 43 (wb 10/18) - wk 50 (wb 12/6); schedule dependent upon ISU.

**Lake Washington System (includes Lake, Lake Union, Ship Canal, & Lake Sammamish)**

**Areas 10F, 10G, 10C, 10D Treaty Net (Ntrty net closed)**

Sockeye	Wk 23 (wb 5/31) – Wk 32 (wb 8/2) Based on ISU (lock counts).
	Wk 23 (wb 5/31) – Wk 33 (wb 8/9) Bio-sample program
	Wk 25 (wb 6/14) PSC test fishery
	Ceremonial and subsistence fisheries
Chinook	Closed.
	Ceremonial and subsistence fisheries

Coho	Coho fisheries in the four following areas are dependent upon the ISU (if lock counts project run size < 10,000 Coho entering the lake), then the Coho fishery will remain closed in all four areas including Lake Sammamish):	
	Ceremonial and subsistence fisheries	
	Lower ship canal (below Ballard Locks)	If the ISU is > than 10,000 the fishery could open as early as Wk 38 (wb 9/13) – Wk 44 (wb 10/25) with the fishing pattern up to 7 days per week (Sun – Sat).
	Upper ship canal (above Ballard Locks):	If the ISU is > than 10,000 the fishery could open as early as Wk 38 (wb 9/13) – Wk 44 (wb 10/25) with the fishing pattern up to 5 days per week (Sun – Fri).
	North end Lake Washington (North of Hwy. 520 bridge):	If the ISU is > than 10,000 the fishery could open Wk 39 (wb 9/20) – Wk 46 (wb 11/8) with the fishing pattern up to 5 days per week (Sun – Fri).

**Lake Sammamish Treaty Net**

Chinook	Based on ISU – hatchery surplus.
	Ceremonial and subsistence fisheries
Coho	Based on ISU – hatchery surplus
	Ceremonial and subsistence fisheries

**Area 10 Recreational**

5/1-5/31	Closed
6/1-7/15	2 fish limit, release Chinook and Chum.

7/16-8/31	2 fish limit, (Chinook 22" min size), release wild Chinook and Chum.
9/1-11/15	2 fish limit, release Chinook and release Chum through 9/15.
11/16-12/31	Closed
1/1-3/31	2 fish limit, (Chinook 22" min size), release wild Chinook.
4/1-4/30	Closed.

Shilshole Bay (East of Meadow Point/West Point line) closed to salmon 7/1-8/31.

Outer Elliott Bay (E of West Pt. /Alki Pt line to Pier 91/Duwamish Head line) closed to salmon 7/1-8/31.

Inner Elliott Bay (E of Pier 91/Duwamish Head line) closed to salmon 7/1-8/31.

#### Area 10 Piers Recreational

Seacrest Pier, Waterman Pier, Bremerton Boardwalk, Illahee State Park Pier	Year-Round	2 fish limit, 1 Chinook (22" min size), release Chum 8/1-9/15.
--	------------	--

#### Elliott Bay Recreational SAF

5/1- 6/30	Same as Area 10.
7/1- 7/30	Closed
7/31-8/3 (noon)	2 fish limit. Inner Elliot Bay waters open east of a line from Pier 91 to Duwamish head. Openings contingent upon ISU model results.
8/4-8/31	Closed
9/1- 4/30	Same as Area 10.

#### Sinclair Inlet Recreational SAF

5/1-6/30	Same regulations as Area 10.
7/1-9/30	Open S of Manette Bridge, S of line drawn true W from Battle Point, and W of line drawn true S from Point White; 3 fish limit, (Chinook 22" min size), release wild Chinook and wild Coho, release Chum 8/1-9/15, 2 pole endorsement.
10/1-4/30	Same as Area 10.

**Green River Recreational**

WDFW and MIT commit to developing and executing a monitoring plan to assess Chinook encounter rates and non-retention mortality rates in both directed Chinook fisheries and non-Chinook directed fisheries within the system prior to the beginning of the 2020 river fishery. The implementation of either portion of the plan is contingent on available funding. The portion of the plan to estimate encounter rates is likely to cost significantly less than the portion to estimate mortality rates and will be prioritized due to the higher likelihood there will be sufficient funds available to cover its implementation.

From an east-west line extending through the southernmost tip of Harbor Island to Tukwila International Boulevard/Old Hwy. 99	9/1 – 12/31	Daily limit 6. No more than 3 adults may be Coho and Chum, 12” min size, release Chinook.
Tukwila International Boulevard/Old Hwy. 99 to the South 212nd Street Bridge	9/1 – 12/31	Daily limit 6. No more than 3 adults may be Coho and Chum, only 1 Chinook, 12” min size.
South 212 <sup>th</sup> Street Bridge to Auburn-Black Diamond Road Bridge	10/1 – 12/31	Daily limit 6. No more than 3 adults may be Coho and Chum, 12” min size, release Chinook. Closed within 150’ of the mouth of Big Soos Creek (from the eastbound Bridge of Highway 18 to Auburn Black Diamond Road).
from Auburn-Black Diamond Rd Bridge to Tacoma Headworks Dam	11/1 – 12/31	Daily limit 6. No more than 3 adults may be Coho and Chum, 12” min size, release Chinook, Closed waters - within 150’ of the mouth of Keta (Crisp) Creek and upstream of the Tacoma Municipal Watershed Boundary Marker (1.3 miles downstream of Tacoma Headworks Dam).

Chinook fishery is dependent upon ISU and co-manager agreement.

The 2020/21 WDFW sport pamphlet will reflect the following season end dates for trout and other game fish fall/winter season.

Mouth to Tacoma Headworks Dam: Dec. 31

**Soos Creek Recreational**

Closed to salmon.

**Lake Washington Recreational**

North of Hwy 520 Bridge and east of Montlake Bridge, including that portion of Sammamish River from 68 <sup>th</sup> Ave. NE Bridge downstream	9/15 - 10-31	Fishery dependent upon ISU (Lock counts) and co-manager agreement. 4 fish limit, Coho only 12" min. size.
South of Hwy 520 Bridge, including Mercer Slough	August - October	Closed to Salmon. Re-opening dependent upon ISU (Lock counts) and co-manager agreement.

**Lake Sammamish Recreational**

10/1 – 11/30	Fishery dependent upon ISU (lock counts) and co-manager agreement. 4 fish limit, Coho only. 12" min size.
12/1 – 5/31	Landlocked salmon rules apply. Hatchery Coho may be retained as part of the trout daily limit. 12-inch minimum size.

**All other SOUTH SOUND AREA 10 REGION freshwater: Closed to salmon angling**

### 3.2 Area 11 Sub region

#### Area 11 Net

Chinook	All	Closed
Coho	Trty:	Commercial fishery – Closed for Conservation Reasons
	Ntrty:	Closed
Chum	Trty:	Commercial fishery – Closed for Conservation Reasons
	Ntrty	Wk 42 (wb 10/11) - 45 (wb 11/1); Fishing will be dependent on results from ACP ISU and co-manager concurrence on fishing. PS Chinook and Coho NR; PS fishing pattern: 1,1,1,2; GN fishing pattern: 1,2,2,2. PS and GN restricted from fishing in modified closure areas 11(2) as described in WAC 220-354-080.

#### Area 11A Net Treaty Net (Ntrty net closed)

Chinook	Closed
Coho	Closed
Chum	Closed

#### Puyallup River (Area 81B) Treaty Net (Ntrty net closed)

Chinook	Spring Chinook	Ceremonial and Subsistence
	Summer - Fall	Commercial fishery Wk 33 (wb 8/9) and Wk 34 (wb 8/16) fishing pattern: 6 hours. TBD
Coho	Commercial fishery Wk 37 (wb 9/6) - Wk 42 (wb 10/11) fishing pattern: 1,2,2,2,2,2.	
Chum	Test fishery Wk 43 (wb 10/18) - Wk 45 (wb 11/1) 1 day/wk, drift net only.	

Winter Chum	Commercial fishery Wk 45 (wb 11/1) – Wk 53 (wb 12/27) 1 to 3 days a week. Opening may be postponed to week 47 depending on in-season information to protect fall chum.
-------------	--

**White River Treaty Net**

Coho	Gillnet fishery will open Wk 36 (wb 8/30) – Wk 42 (wb 10/11) with the fishing pattern: 2 to 4 days per week from Puyallup/White River confluence upstream to R St. Bridge.
------	--

Ceremonial and subsistence fisheries.

**Area 11 Recreational**

5/1-6/30	Closed	
7/1-9/30	2 fish limit (Chinook 22" min. size), release wild Chinook; Commencement Bay (E. of Cliff House Restaurant/Sperry Ocean Dock line) closed to salmon through 7/31.	
10/1-10/31	2 fish limit, release Chinook.	
11/1-4/30	Closed.	
Dash Point Dock, Point Defiance Boathouse Dock, Les Davis Pier, Des Moines Pier and Redondo Pier	Year-Round	2 fish limit, 1 Chinook (Chinook 22" min size).

**Puyallup River Recreational**

from 11 <sup>th</sup> St. Bridge to E. Main Bridge	8/15 – 9/30	Closed Sundays 8/15-8/31. Closed Sunday – Tuesday 9/1-9/30. 6 fish limit, 2 adults, 12" min size, release Chum and wild adult Chinook.
From E. Main Bridge to Carbon R.	8/15-9/30	6 fish limit, 2 adults, 12" min size, release Chum and wild adult Chinook.

**Carbon River Recreational**

From mouth to Voight Creek	9/1 – 10/15	6 fish limit, 2 adults, 12" min size, release Chum and wild Chinook.
-------------------------------	-------------	--

**All other SOUTH SOUND AREA 11 REGION freshwater recreational Closed to salmon angling.**

### 3.3 Area 13 Sub region

#### Fox Island/Ketron Island (Area 13)

Chinook	Treaty	8/1-9/15, 7 days/wk
	Ntrty	Closed
Coho	Treaty	9/15 – 10/20, 7 days/wk
	Ntrty	Closed
Chum	Treaty	Closed unless opened by Medicine Creek Treaty Tribes' agreement
	Ntrty	Closed

#### Area 13 Treaty Net (Ntrty net closed)

Chinook	Closed
Coho	Closed
Chum	Closed

#### Carr Inlet (Area 13A) Treaty Net <sup>1</sup>(Ntrty net closed) <sup>1</sup>Based on Medicine Creek Treaty Tribal proposal annual regulations. Individual Tribal regulations may deviate from this schedule.

Chinook	8/1 – 9/19, 7 days/wk, opens in sections.
Coho	9/13 – 10/24, 7 days/wk, opens in sections.
Chum	10/25 – 11/11, 7 days/wk. 11/12 - 12/5, 7 days/wk, Beach seines and shore anchored Set nets only.

#### Chambers Bay (Area 13C) Treaty Net<sup>1</sup> (Ntrty net closed)

Chinook	7/26 – 10/10; Beach seines Sunday noon to Tuesday noon. Set nets Wednesday noon to Friday noon.
Coho	10/11 – 10/31; Beach seines Sunday noon to Monday noon. Set nets Monday noon to Tuesday noon.
Chum	Closed for conservation.

#### Area 13D Treaty Net (Ntrty net closed)

Chinook	7/15 - 9/9 or earlier date dependent on in-season management needs; 7 days/wk
Coho	9/10 - 10/31 or earlier date dependent on in-season management needs.



<b>Dana Pass (13D-1)</b>	7 days/wk
<b>Pickering Pass (13D-2)</b>	7 days/wk
<b>Peale Pass (13D-3)</b>	7 days/wk
<b>Southern Case (13D-4)</b>	7 days/wk
Chum	Open approximately 10/12; 2-4 days per week; managed weekly by updates (~10/12). Due to preseason forecast of Hammersley Inlet Chum abundance being below the escapement goal, chum directed fisheries in 13D will be dependent on in-season escapement management needs.
<b>Area 13E Net</b>	Closed to all fishing
<b>Budd Inlet (Area 13F) Treaty Net (Ntrty net closed)</b>	
Chinook	7/15-9/9 or earlier date dependent on in-season management needs; 7 days/wk 9/10-9/21 open dependent on in-season monitoring to meet hatchery escapement needs.
Coho	Closed
Chum	Open approximately 11/2, 2-4 days per week, managed by weekly in-season updates
<b>Eld Inlet (Area 13G) Treaty Net (Ntrty net closed)</b>	
Chinook	7/15-9/9; opening dependent upon in-season data, outer portion only.
Coho	Closed
Chum	Open approximately 11/9, 2-4 days per week, managed by weekly escapement updates
<b>Totten Inlet (Area 13H) Treaty Net (Ntrty net closed)</b>	
Chinook	8/1-9/9; schedule dependent on in-season data
Coho	Closed
Chum	Open approximately 10/12, 2-4 days per week; managed by weekly escapement updates
<b>Little Skookum Inlet (Area 13I) Treaty Net (Ntrty net closed)</b>	
Chinook	8/1-9/9; schedule dependent upon in-season data

Coho	Closed
Chum	Open approximately 11/9, 2-4 days per week; managed by weekly escapement updates

**Hammersley Inlet (Area 13J) Treaty Net (Ntrty net closed)**

Chinook	8/1-9/9 or earlier date dependent on in-season management needs
Coho	Closed
Chum	Open approximately, 10/5 - 12/31, 2-4 days/wk; managed by weekly escapement updates. Due to preseason forecast of Hammersley Inlet Chum abundance being below the escapement goal, chum directed fisheries in Area 13J will be dependent on in-season escapement management needs.

**Northern Case Inlet (Area 13K) Treaty Net (Ntrty net closed)**

Chinook	7/15-9/9
Coho	9/10-10/31 or earlier date dependent on in-season management needs
Chum	Open approximately 10/7 -12/31; 2-4 days/wk; managed by weekly escapement updates

**Nisqually River (Area 83D) Treaty Net (Ntrty net closed)**

Chinook	<p>Gill Net - 28 hours wk 32 (wb 8/2) 2 days a week wks 33 – 35, 28 hours wk 36 (wb 8/30).</p> <p>Fishing boundary: Mouth of Nisqually River up to approximate RM 6 at Tom Brown's Log Jam at flagging.</p> <p>Selective gear staff driven testing. 1-7 days/wk, wk 32 (wb 8/2) through wk 46 (wb 11/8) or until 450 adult Chinook are encountered. 2020 Nisqually MSF test fishery would not proceed until agreement with NMFS.</p> <p>Change in Ratio data collection staff driven TN 1-3 days/wk, wk 32 (wb 8/2) through wk 46 (wb 11/8). Release all fish.</p>
Coho	<p>Gill Net - 3 days wk 42 (wb 10/11) through wk 46 (wb 11/8).</p> <p>Fishing boundary: Mouth of Nisqually River up to approximate RM 6 at Tom Brown's Log Jam at flagging wk 42-43. Upper boundary Kalama Creek at flagging wks 44-46.</p>

Chum	No directed Chum fishery. If Yelm Escapement ISU reaches 340 live count on or before January 2, fishing schedule: 2-3 days/wk through wk 4 (wb 1/17). Fishing boundary: Mouth of Nisqually River up to approximate RM 5 at confluence of Clear Creek and mainstem Nisqually.
------	--

**McAllister Creek (Area 83F) Treaty Net (Ntrty net closed)**

Chinook	Gill Net 3-5 days/wk during the following weeks: wk 31 (wb 7/26) through wk 45 (wb 11/1). Freshwater courses.
Coho	Closed.
Chum	Closed.

**Area 13 Recreational**

5/1-4/30	2 fish limit, (Chinook 20" min. size), release wild Coho and wild Chinook. 2 pole endorsement. Minter Creek mouth closed 4/16 - 9/15; Lower Budd Inlet closure zone 7/16-10/31.
----------	---

**Fox Island Pier Recreational**

Year-Round	2 fish limit, 1 Chinook (Chinook 20" min size).
------------	---

**Chambers Creek Estuary Recreational**

downstream of markers 400' below Boise-Cascade Dam to Burlington Northern Railroad Bridge	7/1 – 11/15	6 fish limit, 4 adults; 12" min size, release wild Coho and Chum.
---	-------------	---

**Deschutes River Recreational**

Capitol Lake (from outlet to 400' below lowest Tumwater Falls (Deschutes River) fish ladder).	7/1 – 10/15	Closed
from Old Hwy 99 Bridge on Capitol Blvd in Tumwater upstream	Year-round	6 fish limit, 2 adults, 12" min size, release Coho.

**Kennedy Creek Recreational**

mouth to northbound Hwy. 101 Bridge	10/1 – 11/30	6 fish limit, 2 adults, 12” min size, release wild Coho.
-------------------------------------	--------------	--

**McLane Creek Recreational**

from a line 50’ north of and parallel to the Mud Bay Rd. Bridge to a line 100’ upstream of and parallel to the south bridge on Hwy.101	Same as Area 13	Same as Area 13.
--	-----------------	------------------

**Minter Creek Recreational**

mouth to 50’ downstream of hatchery rack	9/15-12/31	6 fish limit, 4 adults of which 2 are Chinook or Coho, release wild Chinook and wild Coho, 12” min size.
--	------------	--

**Nisqually River Recreational**

mouth to the military tank crossing bridge, one mile upstream of the mouth of Muck Creek	7/1 – 11/15	6 fish limit, 2 adults, 12” min. size; release wild Coho, Chum, and wild Chinook. Closed Sunday – Monday, 8/1-8/31, 10/1-10/31
	11/16-1/31	Closed to salmon angling. May open pending Yelm Escapement ISU. If ISU reaches 340 live count on or before January 2 <sup>nd</sup> , open to Chum: 6 fish limit, 2 adults, release Coho and wild Chinook, 12” min size. Special Area Closure: Closed 500’ below and above mouth of Muck Creek at ~RM 11.5.
McAllister Cr. - mouth to Olympia-Steilacoom Rd Bridge	7/1 – 11/15	6 fish limit, 2 adults, 12” min size. Release wild Coho, wild Chinook, and Chum.

**All other SOUTH SOUND AREA 13 REGION freshwater recreational closed to salmon angling.**

**4.0 Hood Canal Region (All fisheries modeled in FRAM #3120 (Chinook) & #2032 (Coho))**

Hood Canal Mainstem (Areas 12, 12B, 12C, 12D)

Treaty: 1,000 feet closure around streams that are closed to net fishing. Beach seines and hook and line gear release Chum through 9/30 (through 10/10 if within 500' of western shore of Areas 12B and 12C).

Nontreaty: See WAC 220-47-307 for Nontreaty exclusion zones.

Chinook	Trty	Areas 12, 12B and 12D: Closed
		Area 12C: Gillnets and Beach Seines wb 7/19 - wb 7/26 3 d/wk; Gillnets wb 8/2-8/16 4d/wk; Beach Seines wb 8/2-8/23 4d/wk; Beach Seines wb 8/30-8/31. Beach Seines Release chum 8/1-8/31. And Gillnets restricted to 7" min. mesh starting 8/1 per the SCSI.
		Area 12H: Open wb 7/12 through 9/12; hook and line gear continuous; beach seines and dipnets daylight hours Tues and Thur each week; possible in- season modifications; Chum release.
	Ntrty	Area 12C: Hoodsport Hatchery Zone Only, Wks 31 (wb 7/26) – 36 (wb 8/30); 10,000 Chinook quota. BS fishing pattern: 2,2,2,2,2,2; release all Chum per the SCSCI.
Coho	Trty	Area 12: Open 9/25 through 10/10 for gillnets. Beach seines for Coho only (release all Chinook and Chum through 9/30) may start no earlier than 9/16. Both gear types open 5 days/wk.
		Area 12B: Open 10/1 through 10/17 for gillnets; 500-foot closure along western shore through 10/10; beach seines for Coho only (release all Chinook and Chum through 9/30) may start no earlier than 9/16. Both gear types open 5 days/wk.
		Area 12C: <ul style="list-style-type: none"> <li>a) Gillnets: 10/1-10/17 5 d/wk.</li> <li>b) Beach Seines: 10/1-10/17 5 d/wk. DAYLIGHT HOURS ONLY.</li> <li>c) 500 foot beach closure from Ayock Pt. to approx. 2,000 feet south of Lilliwaup (at the large house, north of Octopus Hole) through 10/10 for both gear types.</li> </ul>

Coho	Trty	Area 12D (west of Madrona Pt. - local name): Open for gillnets no earlier than 10/1. Weekly schedules identical to Area 12C.
	Ntrty	Closed
Chum	See co-manager agreed-to Hood Canal MOU in appendix.	
	Trty	Area 12: Open 10/11 through 11/20; 7 d/wk
		Area 12B: Open 10/18 through 11/20; 7 d/wk; except north of an East-West line from Zelatched Point to Seal Rock open through 11/27.
		Area 12C: Open 10/18 through 11/27; 7 d/wk.
		Area 12D: Closed.
		Area 12H: Hook and line gear open from 10/11 through 11/21; beach seines open Tuesday and Thursday of each week; possible in-season adjustments to 3 days/wk. Starting 11/1, hatchery escapement control measures will go into effect.
	Ntrty	Areas 12 and 12B: Wks 42 (wb 10/11) - 47 (wb 11/15): PS Chinook and coho NR; PS fishing pattern: 1,1,1,2,1,1; GN fishing pattern: 1,2,2,2,2,2 daylight hours. Hazel Point area Closed.
		Area 12C: Fisheries scheduled Wks 45 (wb 11/1) - 48 (wb 11/22): PS Chinook and coho NR; PS fishing pattern: 2,1,1,1; GN fishing pattern: 2,2,2,2 daylight hours. Fishing is contingent upon the results of the agreed-to ISU.
		Hoodsport Hatchery Zone (12C): Beach seine fishery wks 45-48; fishing pattern: 2,2,2,2. Fishing is contingent upon the results from the agreed-to ISU.
		Area 12D Closed

**Port Gamble (Area 9A)**

No gillnet may be operated within the boundaries as described: From the head/mouth of Port Gamble Bay along both the eastern and western shores, along the southeastern edge of Pt. Julia and then north of a straight line drawn to west to the southern edge of the old mill site designated by markers (map in appendix).

Chinook	All	Closed
---------	-----	--------

Coho	Trty	Open wb 8/9 through wb 10/31; 7 days/wk; gillnet only. Ceremonial Harvest of 20 Chinook in August.
Coho	Ntrty	Open Wks 34 (wb 8/16) - 44 (wb 10/25) skiff GN limited to 100 fathoms length and 60 meshes in depth; 7 days/wk; Chinook NR; Chum NR through 9/30; release NR fish by cutting ensnaring meshes. The beach area of the Port Gamble Indian Reservation, between Pt. Julia and the boundary marker at the south end of the reservation - closed to all fishing.
Chum	Trty	Open 11/1 through 11/21; 7 days/wk; gillnet only.
	Ntrty	Closed

**Quilcene / Dabob (Area 12A)**

Coho	Trty	Open 8/21 through 10/10; Chum and Chinook release from hook and line and beach seine gear through 9/30; beach seines 5 days/wk, daylight hours. Hook and line fisheries for Coho only, open continuously. Gillnets closed until Summer Chum escapement exceeds 1,500, then (1) GN day/wk; when escapement reaches 2,500 (2) GN day/wk; when escapement reaches 3,500 GN will be determined. Beach seine advance notification required prior to fishing.
	Ntrty	Beach seine open wks 34 (wb 8/16) – 40 (wb 9/27); Limited participation; Chinook and Chum NR; fishing pattern 3,5,5,5,5,5; GN closed unless Treaty GN opening. Fishery will be managed consistent with SCSCI.
Chum	Trty	Open to set and drift gillnets wb 10/11 through 11/20, South of an E-W line through Pt. Whitney.
	Ntrty	Closed

**Big Quilcene River (Area 82F) Treaty (Ntrty net closed)**

Coho	Openings to be determined in-season, for Coho only, from 9/1 through 10/10. Closed below Rogers St. From Rogers St. to U.S. Hwy 101, dipnets, hook and line gear only, release all other salmon. The hatchery area, from U.S. Hwy 101 to the Quilcene Hatchery rack, may be opened for short periods to take surplus Coho. Hand-held gear only (dipnets, hand lines, etc.).
Chum	Closed

**Skokomish River (Area 82G) Treaty (Ntrty net closed) Purdy Creek (Area 82J)  
Treaty Net (Ntrty net closed)**

Note: The Skokomish Tribe will continue to sample all agreed to fisheries in order to provide weekly in-season updates (i.e. CWT, species, mark status, and mark rates). The WDFW will provide weekly in-season updates for Chinook returns to the George Adams Hatchery rack. Note: Hook and line gear and beach seines release Chum through 10/15 above Hwy 106 Bridge.

**Skokomish River – Mouth to HWY 106 Bridge (Area 82G) Treaty**

Coho	Open 10/4 – 10/31, 7 days/wk.
Chum	Open wb 11/1 through 11/22, 7 days/wk.

**Skokomish River – HWY 106 Bridge to HWY 101 Bridge (Area 82G) Treaty**

Chinook	Open wb 8/2 - wb 8/23, 3 days/wk.
Coho	Open wb 10/4 – wb 10/25, 7 days/wk.
Chum	Open wb 11/1 through wb 11/28; 7 days/wk.

**Purdy Creek (Area 82J)**

Note: Treaty Net 250 feet from the confluence/mouth of Purdy Creek to the HWY 101 Bridge (fishing nets may not be attached to any abutment or railings on the HWY 101 Bridge).

Chinook	Gill Nets only: Open Saturdays only beginning July 18 – August 8. In-season adjustments will occur to ensure weekly broodstock targets are achieved.
Chum	Gill Nets, Dip Nets and Hook & Line: Open 11/15 as necessary to reach tribal share.

**Misc. Hood Canal Rivers (Dosewallips, Duckabush, Hamma Hamma, Tahuya, Dewatto, Union)**

All species	Closed to commercial harvest.
-------------	-------------------------------

**Area 12 Recreational (Including Quilcene/Dabob Bay)**

Note: Release all Chum from 8/1 to 10/15, per the SCSCI. 7/1-10/ 15: All waters within channels created by exposed tidelands including - the free-flowing waters of the Skokomish River downstream (north) of the City of Tacoma PUD overhead transfer powerlines are CLOSED to fishing for finfish. The State and Tribe will meet and resolve issues prior to a fishery occurring in this area. Mouth closures apply to Dosewallips, Duckabush, Dewatto, and Hamma Hamma Rivers.



5/1-6/30	Closed
7/1-8/31	Closed North of Ayock (except Quilcene Bay fishery below).
7/1-9/30	South of Ayock Pt. – 4 fish limit, (Chinook 20" min size); release Chum and wild Chinook. 2 pole endorsement.
8/1-8/31	Quilcene Bay – 4 fish limit, Coho Only. Fishing allowed in waters north of a true east line from the mouth of Turner Creek to the Toandos Peninsula.
9/1-9/30	North of Ayock Pt. – 4 fish limit, release Chinook and Chum. Closed Tarboo Bay north of Broad Spit 9/16-9/30.
10/1-11/30	Entire Area – 4 fish limit, release Chinook, release Chum through 10/15. Closed in Tarboo Bay N of Broad Spit. 2 pole endorsement 10/1-10/31 South of Ayock.
12/1-4/30	Closed.

**Hoodsport Hatchery Zone Recreational**, Same as Area 12 (above) except:

7/1-11/30	4 fish limit, no minimum size; Release wild Chinook and release Chum 7/1-10/15. Release all Chinook 10/1-11/30. 2 pole endorsement 7/1-10/31.
-----------	---

**Dewatto River Recreational**

Closed to salmon.

**Tahuya River Recreational**

Closed to salmon

**Skokomish River Recreational**

Closed to salmon

**Dosewallips River Recreational**

mouth to ONP boundary	11/1 – 12/15	2 fish limit, 12" min size, Chum only.
-----------------------	--------------	--

**Duckabush River Recreational**

mouth to ONP Boundary	11/1 – 12/15	2 fish limit, 12" min size, Chum only.
-----------------------	--------------	--

**Quilcene River Recreational**

Rodgers St. to Hwy 101 Bridge	8/16 – 10/31	6 fish limit, 4 adults, 12" min size, Coho only.
----------------------------------	-----------------	--

**All other HOOD CANAL REGION freshwater recreational closed to salmon angling.**

## **2020 – 2021 List of Agreed Fisheries Appendix**

## Appendix Table of Contents

P

<b>2020 – 2021 LIST OF AGREED FISHERIES APPENDIX.....</b>	<b>51</b>
1.1 SHORT TERM MORTALITY ESTIMATES OF ADULT CHINOOK SALMON RELEASED FROM 6" DRIFT GN IN THE FRESHWATER AREAS OF THE NISQUALLY RIVER.....	53
1.2 2020 AREA 9 (NHC SUB-AREA) TREATY COMMERCIAL CHUM FISHING PLAN.....	54
1.3 2020 CO-MANAGEMENT AGREEMENT FOR HOOD CANAL CHUM SALMON FISHERIES.....	57
1.4 2020 7/7A CHUM FISHING PLAN.....	59
1.5 THE LUMMI NATION'S NOOKSACK RIVER SPRING CHINOOK RADIO TAG STUDY.....	62
1.6 RELATIVE ABUNDANCE AND DIET OF PISCIVOROUS FISHES IN THE LAKE WASHINGTON SHIPPING CANAL.....	64
1.7 2020-2021 WARM WATER TEST FISHERY, COMMERCIAL FISHERY, AND RESEARCH.....	68
1.8 LAKE WASHINGTON MANAGEMENT OBJECTIVES.....	71
1.9 PUYALLUP RIVER MANAGEMENT OBJECTIVES.....	72
1.10 GREEN RIVER MANAGEMENT OBJECTIVES.....	73
1.11 2020 STILLAGUAMISH RIVER SPORT GAMEFISH RULES.....	74
<i>2020 in-river sport gamefish seasons, while reduced to minimize impacts on Stillaguamish Chinook (forecast at 363 wild and 627 hatchery), openings on the mainstem were advanced two weeks compared to 2019. ....</i>	
1.12 2020 SUMMER MARK-SELECTIVE SPORT FISHERY MARINE AREA 5.....	76
1.13 2020 SUMMER MARK-SELECTIVE SPORT FISHERY MARINE AREA 6.....	77
1.14 2020 SUMMER MARK-SELECTIVE SPORT FISHERY MARINE AREA 7.....	78
1.15 2020 SUMMER MARK-SELECTIVE SPORT FISHERY MARINE AREA 9.....	79
1.16 2020 SUMMER MARK-SELECTIVE SPORT FISHERY MARINE AREA 10.....	80
1.17 2020 SUMMER MARK-SELECTIVE SPORT FISHERY MARINE AREA 11.....	81
1.18 2020 SUMMER SELECTIVE SPORT FISHERY MARINE AREA 12.....	82
1.19 2020 SUMMER MARK-SELECTIVE SPORT FISHERY MARINE AREA 13.....	83
1.20 2020-21 WINTER MARK-SELECTIVE SPORT FISHERY MARINE AREA 5.....	84
1.21 2020-21 WINTER MARK-SELECTIVE SPORT FISHERY MARINE AREA 10.....	85
1.22 2020-21 WINTER MARK-SELECTIVE SPORT FISHERY MARINE AREA 13.....	86

## **1.1 Short Term Mortality Estimates of Adult Chinook Salmon released from 6” Drift GN in the freshwater areas of the Nisqually River**

**2020**

### **Research Timeframe:**

Start: 8/1/2020 End: 11/15/2020

### **Project Description**

Purpose: Determine short term mortality estimates of adult Chinook salmon from 6” drift GN in freshwater.

Description: Nisqually River above I-5 bridge. Up to 450 Adult Chinook will be encountered using 6” GN during drifts less than 5 minutes of soak time. Chinook will be held in live bags for 24 hours. Water chemistry and fish condition will be recorded at capture and when fish are released. Each fish will be sampled for binned length, sex, and mark status. Genetics will be taken from unmarked untagged Chinook.

### **Supplemental Information**

Intentional Lethal Take: No intentional take

Anticipated Effects on Animals: Chinook and Coho could potentially be gilled depending on size. No interaction with non-targeted salmonids is anticipated.

Measures to Minimize Effects: When fish are more than tangled, mesh will be cut to minimize mortality. When the water temperature exceeds 20 degrees Celsius the study will be postponed until water temperature is below 20 degrees.

### **Previously Agreed Modeling Impacts**

Release all fish.

Not to exceed 2% ER on Chinook after all other fisheries are modeled at PFMC 2. Model input of 450 total encounters at 100% mortality. Recent 5 year pre-season average of 450 encounters at 100% mortality has been 1.4% ER.

Expected encounter of Coho 200 at 100% mortality modeled as HR based on forecast of terminal run.

## 1.2 2020 Area 9 (NHC sub-area) Treaty Commercial Chum Fishing Plan

### Pre-Season Planning:

The 2020-21 Co-Managers' List of Agreed Fisheries (LOAF) states in *Part 2, Section 2.7* (Admiralty Inlet Area) that "The Area 9 fall Chum fishery north of the HC bridge will open wk 43 (wb 10/18) through wk 45 (wb 11/1); fishing pattern: GN 3,4,3; and PS 4,3,3. Open area restricted to that portion of North Hood Canal bounded to the south by the Hood Canal Bridge and bounded to the north by a line from White Rock due east to landfall. Tribes with adjudicated U&A in the open section of Area 9 may choose to participate. Coho and Chinook model inputs have been modeled during NOF that anticipate the participation levels of 2018. If the fishery reaches a catch threshold of 30,000 Chum salmon before 10/30, there will be a conference call among the participating Tribes to discuss any needed fishery management actions. Participating tribes agree to sample tissue for DNA analysis of their tribe's Chum catch and wild Coho bycatch to the extent practicable."

During the North of Falcon salmon planning process, expected Coho and Chinook impacts for all five tribes with treaty fishing rights in the proposed fishing zone were modeled in pre-season FRAM model runs.

### Objective:

The purpose of this management plan is to provide a management framework for this Area 9-NHC treaty commercial Chum fishery to improve coordination, compliance, safety, and management of the fishery.

### Eligible Tribes:

Jamestown S'Klallam Tribe, Lower Elwha Klallam Tribe, Port Gamble S'Klallam Tribe, Skokomish Tribe, and Suquamish Tribe.

### Fishery Area:

That portion of Area 9 north of the Hood Canal Bridge and south of a line true east from White Rock to landfall on the Kitsap Peninsula.

### Fishery Period:

Management weeks 43 through 45

### Proposed Weekly Fishery Schedule:

Week 43 (GN 3, PS 4)

Week 44: (GN 4, PS 3)

Week 45: (GN 3, PS 3)

Gillnets Open –

Week 43: 8:00 am Sunday through 8:00 am Wednesday,

Week 44: 8:00 am Sunday through 8:00 am Thursday,

Week 45: 8:00 am Sunday through 8:00 am Wednesday.

Purse Seines Open – Daylight Hours Only.

Week 43: 8:00 am Wednesday through 8:00 pm Saturday,

Week 44: 8:00 am Thursday through 8:00 pm Saturday,

Week 45: 8:00 am Thursday through 8:00 pm Saturday.

**Expected Total Season Boat-Days:**

Total Season Gillnet Effort\* = 153

Total Season Purse Seine Effort\* = 10

\* As modeled in the 2020 preseason FRAM model runs.

**By-catch inputs for Coho and Chinook FRAM modeling:**

The by-catch inputs for 2020 FRAM did not incorporate 2019 data due to the relatively low return of Hood Canal Chum and Coho that year. Observed effort in 2019 was also lower. Over the 2017 and 2018 seasons the average gillnet Coho encounter was 0.56 fish per boat-day, this average was rounded up to one Coho encounter per boat-day for estimating potential Coho mortalities. Resulting gillnet retention of 153 was expanded for drop-off mortality (2%), and purse seine retention of 10 Coho was added. Pre-season FRAM modeled input totaled 166 Coho. Chinook have not been encountered in this fishery, thus model input remains at 1 as a placeholder.

**Other Restrictions:**

Purse seine release of Chinook;

Purse seine opening shall be scheduled to occur on the same days and times for all participating Tribes;

Gillnet openings shall be scheduled to occur on the same days and times for all participating Tribes;

All catch shall be recorded on treaty commercial fish tickets.

**Central/South Sound Tribal Agreements:**

Estimated interceptions of South/Central Sound origin Chum shall be considered a pre-terminal interception and will be deduct from the South/Central Sound computed Treaty share of harvestable Chum entering Area 10 using weekly stock composition (Table 1). Results from the samples taken in 2018 for genetic analysis have not been provided as of the date of this plan. If

those results are available before the fall fishery starts, they will be incorporated into the weekly stock compositions.

In-Season Coordination, Catch Monitoring, and Conference Calls:

A conference call will be held at (1:00 pm) on (Monday) of each fishing week to report and review the effort and catches to date, as well as anticipated effort and catches, to help ensure a successful fishery for all parties. If the fishery reaches a catch threshold of 30,000 Chum salmon before 10/30, there will be a conference call among the participating Tribes to discuss any needed fishery management actions. Each participating tribe shall monitor the catch and bycatch of its fishers and be prepared to report these numbers on that week’s in-season conference call.

Broodstock collection at the Little Boston Hatchery (Port Gamble Bay) shall be monitored to ensure that Fall Chum broodstock collection goals will be met. If the hatchery is not meeting its broodstock collection needs, then harvest management actions will be taken to ensure a sufficient passage of Chum salmon to the hatchery.

Catch Sampling:

The participating tribes plan to continue collecting Chum tissue samples for weekly stock composition data. A sampling design to distribute the collection of 200 weekly samples over the geographic area being fished will be coordinated among the participating tribes.

Enforcement:

Each participating tribe shall maintain an enforcement presence to ensure that its fishers comply with this management plan and their individual tribal fishery regulations.

Region of Origin	Weekly Portion of Total Catch		
	WK 43	WK 44	WK 45
Data source (GSI 2011, 2013, 2014, 2015, 2016, 2017)			
Total catch estimate	TBD	TBD	TBD
<b>Hood Canal</b> (average %/wk)	0.881	0.865	0.909
<b>South Sound</b> ( average %/wk)	0.113	0.114	0.072
<b>North Sound</b> (average %/wk)	0.000	0.011	0.004
<b>PS Lates</b> (average %/wk)	0.001	0.000	0.008
<b>Other (non-local)</b> (average %/wk)	0.006	0.009	0.008

**Table 1.** Portion of weekly harvest to attribute to Puget Sound regions of origin for the purpose of fulfilling obligations under the Inter-Tribal Allocation Agreement for South/Central Sound stocks; the total weekly harvest will be determined by in-season landings. These values were derived from the gsi data analyzed to date resulting in average regional contribution rate by week. Under the Inter-Tribal Allocation Agreement for South/Central Sound stocks, Area 9 is a pre-terminal fishery and treaty interceptions of South/Central Sound origin fish will be deducted from the treaty share of harvestable Chum entering Area



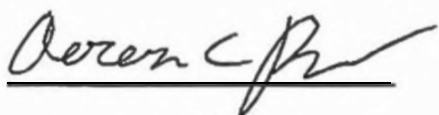
### 1.3 2020 Co-Management Agreement for Hood Canal Chum Salmon Fisheries.

The Hood Canal Treaty Tribes (Skokomish Tribe, Port Gamble S'Klallam Tribe, Jamestown S'Klallam Tribe and Lower Elwha Klallam Tribe) and the Washington Department of Fish and Wildlife (WDFW) have reached agreement on application of an in-season abundance estimation (ISU) process for the 2020 season. All parties to this agreement have responsibility for ensuring their fisheries management actions are appropriate to ensure harvest of available shares. Both the treaty Indian and non-Treaty chum salmon fishing schedules are described in the List of Agreed Fisheries (April 2020). For the 2020 Hood Canal chum salmon season, the Hood Canal Tribes and WDFW agree:

- 1) To exchange information and meet (if necessary) prior to July 1, 2020 to update the dataset to be used in conjunction with the "early" and "extended" ISU methods recommended by Tribal and WDFW biometricians, as described in the memorandum dated July 10, 2012 (2012 memorandum) with the purse seine catch and effort data window periods subsequently modified by co-manager agreement. Any additional analyses to inform/modify the ISU models must be agreed-to by both parties by this date.
- 2) Those waters of Area 12 east of the Area 12/12B boundary and south of a line projected 94° true from Hazel Point to the light on the opposite shore will be closed to purse seines for the entirety of the season. WDFW managed gillnet fisheries will be authorized in this area during management weeks 43 and 44.
- 3) Waters within 1,000 ft of fish bearing streams in marine area 9A (Port Gamble Bay) are closed to fishing.
- 4) That on-water enforcement will be sufficient to ensure compliance with all regulations.
- 5) To convene a conference call no earlier than 1:00 pm on Friday, November 2, 2020 to discuss results of the "early season" ISU model;
  - a. During the call co-managers would apply the "early" CCPUE ISU method recommended by Tribal and WDFW biometricians to catch and effort estimates obtained from the Hood Canal non-Treaty Purse Seine fishery operating from October 20 through October 31; the resulting run size would then be the basis for calculating total allowable catch shares of Hood Canal fall chum for managing Treaty and non-Treaty Hood Canal fall chum fisheries through November 7<sup>th</sup>.
  - b. The "extended" model using data collected from October 20<sup>th</sup> through November 7<sup>th</sup> will be applied only if non-Treaty purse seine data is available after October 31<sup>st</sup>. The "extended model" will use NT PS cumulative CPUE as the independent predictor variable, and will be used on Monday, November 9<sup>th</sup>, not before that date, to determine any remaining fishing opportunity.

Authorized Signatures:

The following parties agree to the above for the management of the 2020 Hood Canal chum salmon season, and the undersigned persons have authority to enter into this agreement:



Jamestown S'Klallam Tribe

4-10-20

Date

Lower Elwha Klallam Tribe

4-13-2020

Date

Port Gamble S'Klallam Tribe

4/10/20

Date

Skokomish Tribe

4/13/20

Date

Washington Department of Fish and Wildlife

April 10, 2020

Date

## 1.4 2020 7/7A Chum Fishing Plan

04/08/2020

Chum salmon fisheries in Areas 7 and 7A will be regulated to comply with a base harvest ceiling of 125,000 Chum salmon, unless a critically low level of abundance is identified for those stocks migrating through Johnstone Strait (“Inside Southern Chum salmon”) (PST 2019). Chapter 6 of Annex IV specifies that U.S. commercial fisheries for Chum salmon in Areas 7 and 7A will not occur prior to October 10. Paragraph 9 (a-b) specifies run sizes below 1.0 million as critical (estimated by Canada). For run sizes below the critical threshold, the U.S. catch of Chum salmon in Areas 7 and 7A will be limited to those taken incidentally to other species and in other minor fisheries, and shall not exceed 20,000 pieces. When the Fraser River chum run-size is greater than 1.6 million, the US share shall be 160,000 chum.

**Table 1.**  
U.S. 7/7A  
chum  
catches,  
2009-  
2019

Year	Non-Tribal catch	Tribal catch	Total U.S. catch	Total U.S. Share <sup>A</sup>	Uncaught share	Overage	Paid Back
2009	16,406	7,667	24,073	20,000 <sup>B</sup>	N/A	0	
2010	6,062	17,342	23,404	20,000 <sup>B</sup>	N/A	0	
2011	24,084	36,401	60,485	130,000	69,515	0	
2012	32,157	40,709	72,866	130,000	57,134	0	
2013	30,239	49,411	79,650	130,000	50,350	0	
2014	60,135	86,436	146,571	130,000	0	16,571	
2015	59,754	65,303	125,057	130,000	4,943	0	4,943
2016	66,531	51,705	118,236	130,000	11,764	0	11,764
2017	56,830	66,366	123,196	130,000	6,804	0	
2018	37,806	28,605	66,411	N/A <sup>C</sup>	N/A	0	
2019		574	574	N/A <sup>D</sup>	N/A	0	

<sup>A</sup> Between 2009-2018, the base US share was 130,000 chum per year. Starting in 2019, the base US share shall be 125,000 chum per year

<sup>B</sup> In 2009 and 2010, the Inside Southern Chum run size was below the critical threshold of 1.0 million; thus, per Chapter 6 of the PST the harvest ceiling was 20,000 additional chum following the notice from Canada that the run size was below the critical threshold.

<sup>C</sup> In 2018 the inside Southern chum was above the critical threshold, allowing the US to open fisheries. However, Fraser River chum were below the critical threshold of 900,000, which required the US to close 7/7A chum fisheries.

<sup>D</sup> In 2019 the inside Southern chum run was below the critical threshold. The only commercial harvest is attributed to non-tribal reef net between October 1-8.

In 2013, the co-managers enacted a fishing plan intended to result in the full harvest of chum salmon allowed to be caught in Area 7/7A under the existing Chapter 6 of the Pacific Salmon Treaty. Adoption of these annual pre-season chum fishing plans for Area 7/7A has mostly resulted in the full harvest of the U.S. share in recent years (Table 1).

To continue to promote fishing opportunity that allows both the tribal and non-tribal fleets to catch their full shares, the co-managers will use the management approach below for the 2019 season.

- Tribal and non-tribal reef net fisheries will remain open continuously from the end of Fraser management to the end of the chum season or until their respective shares are harvested, whichever comes first. Reef nets will release all chum and unmarked Chinook through September 30. Release all Chinook beginning October 1.
- Tribal purse seine (PS) and gillnet (GN) fisheries will open on Saturday October 10 and remain open continuously until the end of the season or until the treaty share is harvested, whichever comes first.
- Non-tribal PS and GN fisheries will open on Sunday October 11, Monday October 12, Wednesday October 14, and Thursday October 15.
- Non-treaty purse seine and gillnet fisheries will be evaluated relative to the thresholds below based on non-treaty chum catch reported on the in-season co-manager conference call scheduled for Friday, October 16, 2020. Non-treaty fisheries will re-open on the prescribed dates and remain open continuously until the end of the season or until the non-treaty share is harvested, whichever comes first.

**Table 2.** 2020 Treaty and Non-Treaty chum fishing schedule for Area 7 & 7A

	10-Oct SAT	11-Oct SUN	12-Oct MON	13-Oct Tue	14-Oct Wed	15-Oct Thu	16-Oct Fri	17-Oct Sat
Treaty and Non-Treaty Reef Net								
Treaty Gillnet and Purse Seine								
Non-Treaty Gillnet and Purse Seine								
Co-manager Conference Call								

- If total non-treaty catch is:

- <29,000; non-treaty fishery will reopen Sunday, October 18.
- >29,000; non-treaty fishery will reopen Monday, October 19.
- The co-managers will exchange data on by-catch throughout the season and take appropriate management actions should levels of by-catch greatly exceed expectations.
- The co-managers will meet by conference call and adjust schedules if needed in response to in-season notification by Canada's Department of Fisheries and Oceans that chum salmon returns are below the critical thresholds identified in Chapter 6, paragraph 9 of the Pacific Salmon Treaty.
- At any time, the tribes and/or WDFW may open limited and closely regulated fisheries in an attempt to collect tissue samples from Area 7 West, Area 7 East and Area 7A for Genetic Stock Identification analysis. US Southern Panel members will notify their Canadian counterparts of this intent in an expeditious manner. As described in PST Chapter 6, paragraph 9(b), catches taken for the purpose of GSI sampling will not count toward the 20,000 catch limit allowed when critical thresholds are not being met.

## 1.5 The Lummi Nation's Nooksack River Spring Chinook Radio Tag Study

This proposal communicates Lummi's interest in conducting a research fishery in the Nooksack River not to exceed 1% ER, as per section 7 (Research and Monitoring) of the Chinook Management Plan. The Lummi Natural Resources Department has plans to implement a radio tag study to evaluate spatial and temporal distribution as well as post-release mortality of natural and hatchery origin South Fork Nooksack spring Chinook entering the Nooksack River between April and July 31.

Few data currently exist on holding area preferences or Nooksack River-specific thermal preferences of SF Chinook, which has a significant bearing on future broodstock collection efforts and habitat restoration projects. Additionally, it is hypothesized that a seasonal thermal barrier may be creating vulnerability to SF Chinook by affecting entry to the South Fork Nooksack which may be delaying spawn timing and inducing temperature related pre-spawn mortality. A pilot study in 2019 tagged 52 Chinook and found that the 14 tagged individuals that arrived on the spawning grounds traveled 1.4-2.5 miles/day to destinations in the NF/MF and SF.

A secondary benefit of this project may be the ability to demonstrate that removal of surplus adult NF/MF Nooksack Chinook HORs during the spring selective drift fishery does not affect the Chinook recovery programs in the Nooksack basin by inducing significant mortality to released HOR and NOR SF Chinook and NOR NF/MF Chinook.

In this study we intend to gather baseline data that will guide the efforts of the SF Chinook recovery program operated at Skookum Creek Hatchery and habitat restoration projects throughout the Nooksack River. This year we intend to increase efforts of collecting in-river tracking data, which will provide much higher resolution of movement patterns and confidence of post-release mortality estimates. Each day of the selective fishery will be followed by active tracking less than 24 hours after release. Combined with weekly aerial flight data, and data collected in 2019, we aim to significantly improve our understanding of early Chinook upriver migration behavior.

A tangle net (5-inch gill net mesh size) will be used to capture Chinook in the Nooksack River below the Slater Road Bridge. Three boats are used in this process: The primary fishing boat to deploy and manage the net, a tail boat to control the tail board end of the net, and a recovery boat. All natural origin Chinook, all suspected SF hatchery Chinook (CWT only), and some hatchery origin NF/MF Chinook (identified with a mark) will be tagged with radio transmitters and tracked using ground (in-river tracking within 24 hours of release) and aerial (weekly flights) surveys. A portion of the marked hatchery Chinook will be harvested for C&S use.

Up to 80 Lotek MCFT2 radio transmitters will be deployed using esophageal deployment. All released fish will receive a metal jaw tag with a unique identification number, will be tissue sampled for genetic stock assignment, be measured for fork length, sampled for scales, and sexed. For evaluating temporal and spatial distribution, weekly ground surveys in road-accessible areas of the main stem and forks will be conducted. Ground surveys will be used for accurately estimating post-release mortality, entry timing to sub-basins, estimating spawn timing, pinpointing preferred holding areas, and recovering tags from mortalities. Weekly aerial surveys will be used to track spatial distribution throughout the entire Nooksack basin.

For 2020, this radio tag study will be limited to no more than 15 natural origin encounters. Applying the co-manager agreed 30% release mortality to these 15 encounters results in less than 5 natural origin mortalities. These mortalities result in an estimated 0.82 ER on natural-origin Nooksack spring Chinook.

## 1.6 Relative Abundance and Diet of Piscivorous Fishes In the Lake Washington Shipping Canal

4/14/2020

**Objective 1:** Describe the relative abundance and size structure of piscivorous fishes in different sectors of the Lake Washington Shipping Canal (LWSC) during the juvenile salmon out-migration period.

**Objective 2:** Assess the stomach contents of piscivorous fishes inhabiting different sectors of the LWSC. Identify sectors of the LWSC where predation on juvenile salmonids is greatest during the out-migration period.

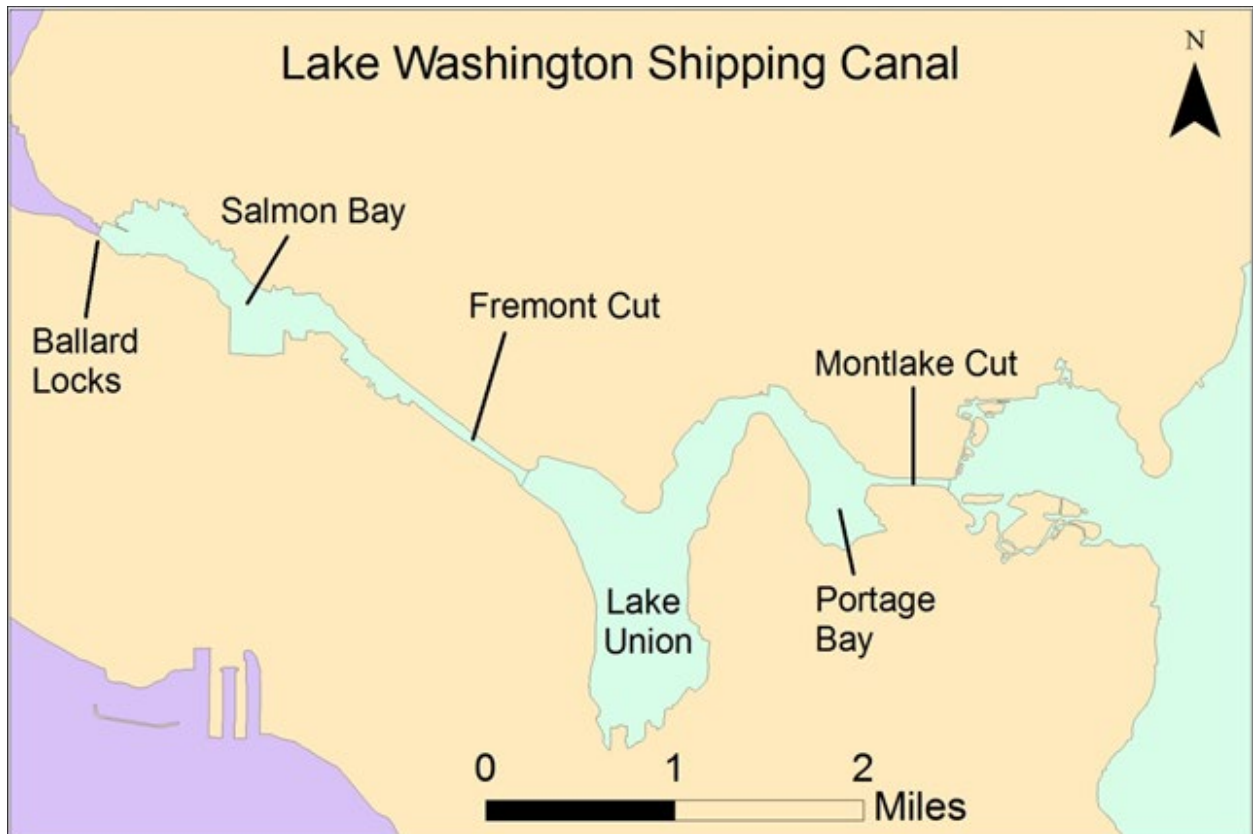


Figure 1. The proposed study area.

### Study Area

The study area includes Salmon Bay, Fremont Cut, Lake Union (including Portage Bay), the Montlake Cut (Figure 1), and Union Bay

### Methods

Gill netting will occur over multiple sampling days between early-May and late June, 2020. Variable-mesh monofilament gill nets will be set during the salmon smolt out-migration period within the study area (Figure 1). Nets will be deployed at night with 12-16 hour set times. A range of mesh sizes (2-inch stretch to 5-inch stretch) will be used in an effort to capture a broad range of fish species and sizes. All species captured will be measured to the nearest millimeter. Stomach contents of piscivorous fishes will be assessed for evidence of predation on juvenile salmonids.



## ESA Considerations

The Puget Sound Chinook Harvest Management Plan allows for limited take of listed species during research activities within each Management Unit (MU): "Mortality associated with certain monitoring and research activities (e.g. test fisheries and update fisheries), that primarily inform in-season harvest management decisions, will be accounted with other fishery related mortality under the ER ceilings defined for each MU. Mortality associated with other research and monitoring, which have broader applicability to stock assessment, will not be accounted under the ER ceilings. Mortality in this latter category will not exceed a level equivalent to 1% of the estimated annual abundance (i.e. 1% ER), for any MU." As such, there is limited take for Puget Sound Chinook available to this proposed project under the PSCHMP, in combination with other projects within the MU. Steelhead take for research purposes has historically been covered separately but was written into the NMFS 2016-17 biological opinion for the Puget Sound salmon fisheries, which effectively extend the 2010 PSCHMP.

Similar studies conducted in recent years indicate that this monitoring effort will remove many piscivorous fish from the LWSC that would otherwise prey on juvenile Chinook, and this monitoring project is therefore likely to benefit juvenile salmonids migrating through the area. The study is not likely to result in the take of listed anadromous species (PS Chinook and PS steelhead), and estimated take values are provided below:

1. Steelhead adults: The probability of encountering an adult steelhead is low. Adult steelhead were not encountered during previous sampling efforts (conducted in 2016, 2017, 2018, or 2019) in the LWSC. Spawning ground surveys indicate that few (if any) steelhead spawn in the Lake Washington watershed, and steelhead adults are not expected to be migrating through the LWSC during the proposed sampling period. The take is estimated as zero adult steelhead.

2. Steelhead juveniles: The probability of encountering a juvenile steelhead is low. Juvenile steelhead were not encountered during previous sampling efforts (conducted 2016-2019) in the LWSC. Spawning ground surveys indicate that few (if any) steelhead spawn in the Lake Washington watershed, and the number of steelhead smolts migrating through the LWSC is expected to be low. Any steelhead smolt migrants that may be present will not be affected by the sampling gear as the proposed gillnet mesh size is too large to entangle juveniles (2 to 4 inch stretch mesh). The take is estimated as zero juvenile steelhead.

3. Chinook adults: Chinook adults typically begin migrating through the LWSC in mid-June with the peak migration period occurring in mid to late August (Figure 2). Relatively small numbers of adult Chinook would be migrating through the LWSC while the proposed sampling would occur (May and June), however some adult Chinook may encounter the sampling gear as they migrate through the action area. Chinook adults migrating through the LWSC are likely to use deep-water offshore habitats where sampling gear is less likely to be deployed. Most sampling effort will occur in near-shore or off-channel, weedy habitats where adult Chinook are less likely to migrate. Adult Chinook were not encountered during the past four years of previous sampling efforts (2016 through 2019) in the LWSC. Due to the early timing of the proposed sampling and the off-channel areas where sampling will occur, the number

of adult Chinook encountering sampling gear will likely be small. A combined gear take of 5 Chinook adults (NOR and/or HOR) is estimated.

4. Chinook juveniles: Juvenile Chinook will actively be migrating through the LWSC during the proposed sampling period (May - June). Small numbers of juvenile Chinook smolts may encounter the sampling gear, however the mesh size (2 to 4 inch stretch mesh) is too large to entangle a Chinook juvenile and poses very little threat. Juvenile Chinook were not encountered during previous sampling efforts (2016-2019) in the LWSC. The take is estimated as zero juvenile Chinook.

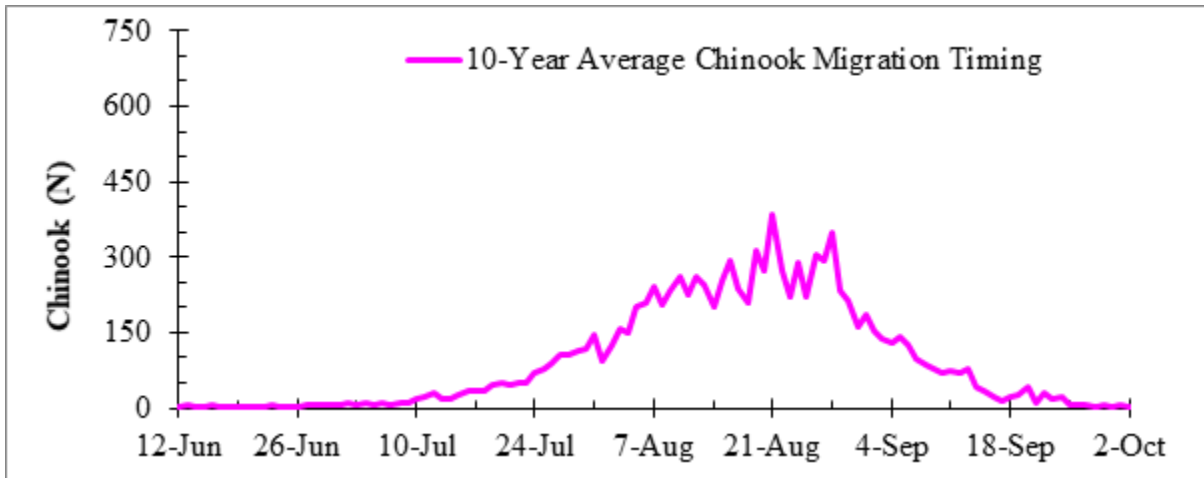


Figure 2. Recent ten-year average adult Chinook migration timing through the Ballard Locks.

As outlined above, the PSCHMP as extended provides coverage allotment for take of both Puget Sound Chinook and steelhead. Expected steelhead take is zero fish (bullets 1 and 2 above). Chinook take (HOR and NOR combined) may not exceed a level equivalent to 1% of the estimated annual abundance (i.e. 1% ER). Annual post-season terminal (10-F Returns) total abundance values for Lake Washington Chinook adults during the past 10-year time period are listed in Table 1. The 2020 pre-season terminal abundance forecast for Lake Washington Chinook is 4,594 fish. The estimated take of 5 adult Chinook represents an exploitation rate of 0.1088% ( $5/4,592=0.001088$ ), which is well below the 1% ER limit.

Year	Hatchery Abundance	Natural Abundance	Total Abundance	Source
2010	8,131	688	8,819	Co-Manager Forecast Files, Post Season
2011	5,612	829	6,441	Co-Manager Forecast Files, Post Season
2012	10,671	1,116	11,787	Co-Manager Forecast Files, Post Season
2013	5,415	1,729	7,144	Co-Manager Forecast Files, Post Season
2014	2,644	408	3,052	Co-Manager Forecast Files, Post Season
2015	4,791	1,383	6,174	Co-Manager Forecast Files, Post Season
2016	4,184	801	4,985	Co-Manager Forecast Files, Post Season
2017	5,347	1,836	7,183	Co-Manager Forecast Files, Post Season
2018	2,646	789	3,435	Co-Manager Forecast Files, Post Season
2019	2,847	757	3,604	Co-Manager Forecast Files, Post Season
2020	3,787	807	4,594	Co-Manager Forecast Files, Pre Season

Table 1. Annual post-season (2010-19) and pre-season (2020) terminal abundance estimates for Lake Washington Chinook.

In summary, project impacts are significantly below the 1% allotment for Chinook annual abundance provided for in the PSCHMP. The estimated take of HOR and NOR combined is 5 adults, and 0 smolts, which is 0.1088% of annual abundance.

## 1.7 2020-2021 Warm Water Test Fishery, Commercial Fishery, and Research

This proposal is put forth to implement a test fishery that will collect additional information on the feasibility and potential impacts of a directed fishery (C&S and commercial) on invasive warm-water fishes in selected portions of the Lake Washington basin, a commercial fishery in the northern portion of Lake Washington, and associated research in Lake Sammamish to estimate population abundance of native and invasive piscivores (Figure 1). The results of this test fishery will inform implementation and management of a full scale commercial fishery directed at warm-water fishes in all areas of the basin that remain off limits to directed commercial fisheries due to concerns over steelhead encounters. To date, the Muckleshoot Indian Tribe (MIT) has collected gillnet catch data from March – April 2015, January 2017 – June 2017, March 2018 – June 2018, and March 2019 – April 2019 and March 2020 to inform potential impacts to listed salmonids which will be used to estimate impacts for the first step toward a commercial fishery.

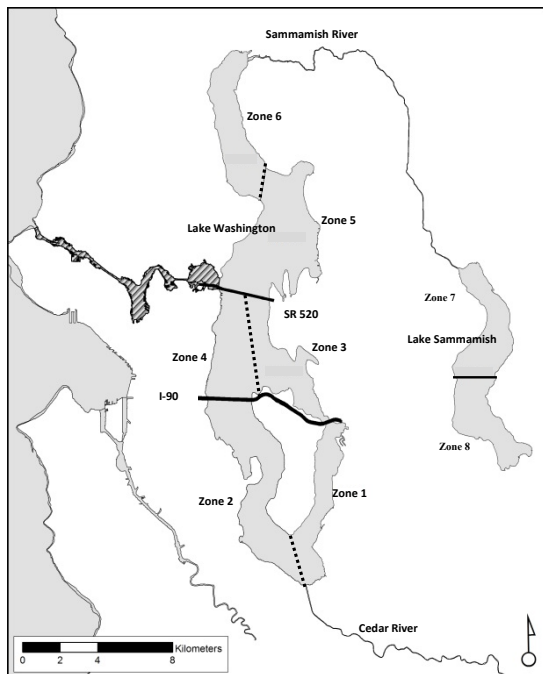


Figure 1. Proposed warmwater fishery zones (1-8) in the Lake Washington basin include zones 1-6 in Lake Washington and zones 7-8 in Lake Sammamish.

The test fishery (and directed commercial fisheries in the future) is scheduled to encompass times and areas that minimize impacts to ESA listed salmonids. Chinook adults start migrating into the basin in mid-June with spawning concluding the first week of November. The timing of the test fishery is proposed from May 1 – June 12, 2020 and January 1 – April 30, 2021. This range of dates will avoid impacts on migrating adult Chinook and steelhead in Lake Washington. Using large mesh gillnets will avoid impacts on age-0 Chinook and steelhead smolts emigrating to sea during the proposed times. The probability of encountering an adult wild steelhead is extremely low. If a steelhead is encountered, it would likely be a stray from a neighboring watershed such as the Green River. Steelhead surveys in the Sammamish River tributaries, including Lake Sammamish, were discontinued at the end of 2003 after five years of surveys in

which no steelhead or steelhead redds were observed. Therefore, minimal risk of encounters exists in northern Lake Washington or Lake Sammamish. There are very few remaining steelhead spawning in the Cedar River. From 2009 through 2015, redd-based escapement estimates for the Cedar River have averaged just over two steelhead per year and no steelhead redds were observed during 2017. Further, several of the redds detected prior to 2017 may have been produced by large cutthroat or rainbow trout which are known to overlap distributionally with steelhead.

The Lake Washington test fishing area will be divided into zones (Figure 1) and will focus on central and southern Lake Washington (zones 1-4), with additional effort in northern Lake Washington (zones 5-6) when there is no directed commercial fishery. Up to 24 300-foot gillnets will be deployed within a single zone each night. The gillnet mesh will range from 3.5 - 6 inch stretch mesh and fishing will occur up to four nights per week. Nets will be set on Monday and retrieved no later than Friday. Nets will be checked often to further minimize interactions with steelhead. Any steelhead caught will be released (ancillary to this project, we have successfully tagged and released multiple walleye, suggesting that gill net mortality can be reduced by frequently checking nets). The cold water in the lake during this period will also help to minimize mortality of released fish.

A limited commercial fishery is proposed to begin transitioning from research to implementation in such a way that impacts can be monitored and controlled. Because steelhead encounters have the lowest probability in northern Lake Washington, this initial commercial fishery will occur in Lake Washington zones 5 and 6. In Lake Washington, MIT has fished 446 net nights over five years and encountered only 11 sub-adult Chinook (i.e. blackmouth), and no adult NOR migratory Chinook. Net length and mesh restrictions will be identical to those used during the test fishery and fishers will be limited to 4 nets. This commercial fishery will occur from March 1 – April 30, 2021 and nets will only be deployed from Monday afternoon through Friday morning to minimize conflict with weekend recreational activities. MIT enforcement and biologists will be on-site to inspect all landed catch.

In previous years, the test fishery has produced valuable information to assess the potential impacts of a commercial directed fishery, but has done little to generate data that would inform a long-term management plan for invasive piscivores. To that end, MIT has developed an additional research proposal aimed at assessing the population size of select piscivores in Lake Sammamish. A new electrofishing boat has already been purchased to conduct this research. Lake Sammamish was chosen because of its smaller size and likely smaller piscivore populations (making an intensive mark-recapture study more tractable) as well as the limited number of ESA listed NOR salmonids potentially using its waters as a migratory corridor. Even though abundance of ESA listed salmonids is likely to be low, MIT proposes to use best practices when conducting this research to minimize overall take. As such, protocols for electrofishing will follow those from Bonar et al. (2000) which were developed by WDFW and used in warm water fisheries research projects that received ESA Section 10(a)(1)(A) coverage for incidental impacts to listed salmonids (1345-9A).

Take estimation and reporting

There is a very small to zero potential for the test fishery to interact with adult steelhead in Lake Washington and no potential for interaction with adult migratory Chinook. Nevertheless, we have designed this test fishery to minimize these interactions. Should there be an encounter in the test fishery, steelhead or Chinook will be handled carefully by trained professional staff and as much biological data will be collected as possible, including lengths, fin clips for genetic analyses, marks, presence of tags, and capture locations. Further, should staff believe survival upon release is questionable, the steelhead or Chinook will be retained and reported as ceremonial and subsistence treaty catch.

In the commercial fishery, all catch will be landed and then inspected by a fishery biologist. Due to the time and area restrictions, no steelhead or adult NOR Chinook are expected to be encountered. Any sub-adult Chinook landed will have as much biological data taken as possible. MIT expects 10 or fewer participants in this fishery. There will be a maximum of 36 nights of fishing which translates into a maximum of 1,440 net-nights of effort. Based on past test fishery results, this intensity of fishing effort would result in a maximum of 36 sub-adult chinook encounters.

MIT does not expect any adult Chinook or steelhead encounters as part of the Lake Sammamish research, but juvenile Chinook or *O. mykiss* (rainbow trout or steelhead juveniles) encounters are possible. From June-July 2017 in Lake Washington, an electrofishing effort similar to our proposal was implemented to assess the warm water fish community (Garrett 2017). During that work, 65 Chinook ranging from 85-227 mm and 25 rainbow trout ranging from 147-318 mm were encountered. We expect similar encounters of juvenile Chinook due to the close proximity of Issaquah Creek Hatchery but fewer encounters of juvenile rainbow trout due to extirpation of the spawning steelhead population from tributaries of the Sammamish River.

Understanding the potential for interaction with the public, we propose monthly reporting on this test fishery to NOAA. These reports will contain gear used, area fished, and effort. Further, any natural origin adult steelhead or Chinook encountered will be immediately reported. MIT proposes a limit of three natural origin adult steelhead encounters or five natural origin adult Chinook encounters. Should either cap be reached, the test fishery or commercial fishery will be immediately shut down for the remainder of the season. During the research project in Lake Sammamish, effort will be shifted spatially to avoid sampling during hatchery Chinook releases.

## References

- Bonar, S.A., B.D. Bolding, and M. Divens. 2000. Standard fish sampling guidelines for Washington ponds and lakes. Washington Department of Fish and Wildlife. Olympia, WA.
- Garrett, D., C. Jackson, and S. Caromile. 2017. Biological assessment of the warmwater fish community in Lake Washington. Washington Department of Fish and Wildlife. Olympia, WA.

## **1.8 Lake Washington Management Objectives**

The Lake Washington management unit is composed of two natural stocks, the Cedar River and the Sammamish River. The 2020 preseason natural origin recruit (NOR) forecast is for a terminal run size of 673 to the Cedar River and 134 to the Sammamish River. For 2020, WDFW, the Suquamish Tribe, and Muckleshoot Tribe will manage the NOR returns to the Lake Washington basin consistent with recent-year average NOR spawner escapements in the Cedar River. The 2020 FRAM/TAMM model run (Chin3120) projects that 808 natural origin recruits (NORs) will escape mixed stock fisheries and return to the Lake Washington basin. NOR spawning escapement is expected to be 571 in the Cedar River, and 114 in the Sammamish River.

## **1.9 Puyallup River Management Objectives**

For 2020, WDFW, the Puyallup Tribe, and Muckleshoot Tribe will manage the returns to the Puyallup River for a total of 1,170 adults with at least 750 natural origin adults on the spawning grounds. This management action will occur through a combination of fisheries actions modeled in FRAM/TAMM and transportation of unmarked adult Chinook (excluding double index tagged fish) from hatchery facilities within the Puyallup River basin to the spawning grounds.

Terminal fisheries directed at the Puyallup River stock are managed based upon a pre-season forecast and modeled through the FRAM/TAMM. The 2020 FRAM/TAMM model run (Chin3120) projects that 1,157 natural origin recruits (NORs) will escape fisheries and return to the Puyallup River with an additional 1,476 hatchery origin recruits straying to the spawning grounds for a total natural escapement of 2,633. The co-managers do not expect any NOR adults will need to be transferred to the spawning grounds, but will continue to evaluate escapements through the season and take actions as warranted.



## 1.10 Green River Management Objectives

For 2020, WDFW, the Muckleshoot Tribe, and Suquamish Tribe will manage the unmarked returns to the Green River for 1,200 natural origin adults on the spawning grounds. This management action will occur through a combination of fisheries actions modeled in FRAM/TAMM<sup>i</sup> and transportation of unmarked adult Chinook (excluding double index tagged fish) from hatchery facilities within the Green River basin to the spawning grounds.

Terminal fisheries directed at the Green River stock are managed based upon an in-season update (ISU) with a test fishery during statistical weeks 29-31 in Elliott Bay that updates the terminal run-size (marked and unmarked adult returns). Terminal fisheries are contingent on confirmation of the pre-season forecast. Initial results from this ISU will be available during statistical week 31 (the 1st week of August). The co-managers will make in-season decisions consistent with the projected run size and natural escapement estimates. NOAA Fisheries will be informed of any subsequent management actions taken by the state and tribal co-managers that deviate from the pre-season fishery structure in the 2020 List of Agreed to Fisheries.

The 2020 FRAM/TAMM model run (Chin3120) projects that 1,489 natural origin recruits (NORs) will escape fisheries and return to the Green River. Of these NORs, 1,044 will spawn naturally in the Green River with the remaining 445 trapped at Soos Creek Hatchery weir between week 31-44 (August – late October) with a peak between week 36-42 (early September – mid October). To meet the goal of 1,200 NOR adults on the spawning grounds, the co-managers expect to transfer at least 156 NORs from Soos Creek Hatchery to the Green River. The co-managers are expecting similar numbers of unmarked HOR (Palmer) Chinook to return to the Soos Creek Hatchery, transferring 156 NORs will require transferring approximately 300 unmarked adult Chinook to the Green River. Regardless of the actual transfers, the co-managers will continue to evaluate escapements through the season and take actions as warranted.

## 1.11 2020 Stillaguamish River Sport Gamefish Rules

2020 in-river sport gamefish seasons, while reduced to minimize impacts on Stillaguamish Chinook (forecast at 363 wild and 627 hatchery), openings on the mainstem were advanced two weeks compared to 2019.

2020 gamefish rules are as follows;

- Statewide gamefish rules; open unless closed, Saturday before Memorial Day through Oct 31<sup>st</sup>, 2 fish limit, 8-inch minimum size.
- Exceptions to statewide gamefish rules;
  - Mainstem Stillaguamish
    - Below Marine Drive,
      - Open year-round, trout minimum size 14”, daily limit 2, night closure and anti-snagging rule Aug 1-Nov 30.
    - From Marine Drive to forks,
      - Open Sept 1<sup>st</sup>, through Nov 15<sup>th</sup>, catch and release except up to 2 hatchery steelhead may be retained, selective gear rules (no bait), night closure.
      - Open Dec. 1 through Jan 31, 2021, minimum size 14”.
      - Closed to fishing from the diversion dam downstream of I-5, downstream 200 feet.
  - Pilchuck Creek,
    - from mouth to Hwy. 9 Bridge,
      - Open Sept. 1<sup>st</sup> through Jan 31<sup>st</sup>, 2020, selective gear rules (no bait) from Sept 16<sup>th</sup> through Nov. 30<sup>th</sup>.
  - North Fork Stillaguamish,
    - From mouth to Swede Heaven Bridge,
      - Open Sept. 16<sup>th</sup> through Nov. 30<sup>th</sup>, fly-fishing only, catch and release except up to 2 hatchery steelhead may be retained.
      - Open Dec. 1 through Jan 31<sup>st</sup>, trout minimum size 14”.
      - Additional opening in the Whitehorse Hatchery terminal area, from mouth of French Creek to the Swede Heaven Bridge, Feb 1<sup>st</sup>, through Feb 15<sup>th</sup>, minimum size 14”.
      - Night closure Sept 16<sup>th</sup> through Nov. 30<sup>th</sup>.
      - Fishing from a floating device prohibited upstream of the Hwy 530 Bridge, motors prohibited downstream of the Hwy 530 Bridge.
    - From Swede Heaven Bridge to North Fork Falls,

- Open Sept. 16<sup>th</sup> through Nov. 30<sup>th</sup>, catch and release except up to 2 hatchery steelhead may be retained, selective gear rules (no bait).
- North Fork Tributaries,
  - Boulder River from mouth to Boulder Falls,
    - Open September 16<sup>th</sup> through Oct 31<sup>st</sup>, catch and release except up to 2 hatchery steelhead may be retained, selective gear rules (no bait).
  - Squire Creek,
    - Open Sept. 16<sup>th</sup> through Oct 31<sup>st</sup>, catch and release except up to 2 hatchery steelhead may be retained, selective gear rules (no bait).
- South Fork Stillaguamish,
  - From mouth to 400' below Granite Falls fishway outlet,
    - Open Sept 16<sup>th</sup> through Jan 31<sup>st</sup>, minimum size 14".
    - Sept 16<sup>th</sup> through Nov 30<sup>th</sup>, night closure and anti-snagging rules.
  - From Mountain Loop Hwy upstream,
    - Open Sat before Memorial Day through Nov 30<sup>th</sup>.
- South Fork Tributaries,
  - Canyon Creek, Open Sept. 16<sup>th</sup> through Jan 31<sup>st</sup>, catch and release except up to 2 hatchery steelhead may be retained, selective gear rules (no bait).

## 1.12 2020 Summer Mark-Selective Sport Fishery Marine Area 5

The Northwest Treaty Tribes and the Washington Department of Fish and Wildlife (WDFW) have reached agreement to implement a Chinook salmon mark-selective fishery (MSF) in Marine Area 5 during the 2020 summer season. This fishery will be implemented consistent with management objectives defined by the co-managers' Puget Sound Chinook Harvest Management Plan, the WDFW-Tulalip management plan for hatchery origin fish, and established principles concerning the allocation of harvestable salmon and the exercise of treaty rights. The co-managers will seek to minimize or eliminate any unintended effects of this fishery on individual treaty fisheries, including dislocation and/or disruption. Therefore, treaty fisheries will not be modified in order to accommodate this mark-selective fishery.

### Fishery Regulations

The summer Chinook salmon MSF in Marine Area 5 will occur from **July 1, 2020 through August 15, 2020**. Anglers will be allowed a daily limit of up to two hatchery Chinook salmon. All sub-area closures included in the 2020-21 Co-Managers' List of Agreed Fisheries will remain in effect for the agreed-to dates.

### Fishery Controls

The preseason prediction of total legal-sized Chinook salmon encounters in Area 5 is **7,032** (FRAM Chin3120). WDFW plans to manage this fishery as a season, beginning and ending on the agreed-to dates (above). WDFW will ensure that the fishery does not exceed **8,438** predicted legal-sized Chinook salmon encounters.

### Sampling Design and Estimation Methodologies

WDFW will employ the **Reduced Murthy** sampling design to monitor the Area 5 summer MSF and estimate total encounters and associated mortalities of legal, sublegal, marked and unmarked Chinook salmon (see Attachment A). The size and mark-status composition of the targeted Chinook salmon population will be estimated using Salmon Trip Reports (STRs). WDFW will employ the appropriate number of staff during the Area 5 summer MSF to meet or exceed the sampling rate goal of 20%.

### Reporting Schedule

WDFW will provide the co-managers with bi-weekly in-season catch and effort estimates beginning **Friday July 17, 2020**.

WDFW will compile a comprehensive post-season report for all summer Chinook salmon MSFs conducted in Marine Areas 5-13 by February 1, 2021. This report will include a summary of the information collected as part of our sampling and monitoring program during the Area 5 summer MSF, a full analysis of impact estimates (total encounters and mortalities by size and mark-status), and estimates of marked and unmarked mortalities of Double index-tagged (DIT) and other coded-wired tagged stocks as described in Attachment A.

### 1.13 2020 Summer Mark-Selective Sport Fishery Marine Area 6

The Northwest Treaty Tribes and the Washington Department of Fish and Wildlife (WDFW) have reached agreement to implement a Chinook salmon mark-selective fishery (MSF) in Marine Area 6 during the 2020 summer season. This fishery will be implemented consistent with management objectives defined by the co-managers' Puget Sound Chinook Harvest Management Plan, the WDFW-Tulalip management plan for hatchery origin fish, and established principles concerning the allocation of harvestable salmon and the exercise of treaty rights. The co-managers will seek to minimize or eliminate any unintended effects of this fishery on individual treaty fisheries, including dislocation and/or disruption. Therefore, treaty fisheries will not be modified in order to accommodate this mark-selective fishery.

#### Fishery Regulations

The summer Chinook salmon MSF in Marine Area 6 will occur from **July 1, 2020 through August 15, 2020**, only in the portion of the area west of a true north/south line through buoy #2 near the tip of Ediz Hook. Anglers will be allowed a daily limit of up to two hatchery Chinook salmon. All sub-area closures included in the 2020-21 Co-Managers' List of Agreed Fisheries will remain in effect for the agreed-to dates.

#### Fishery Controls

WDFW will manage this fishery as a season, beginning and ending on the agreed-to dates (above).

#### Sampling Design and Estimation Methodologies

Sampling efforts will be conducted consistent with the **Baseline Sampling Design** (see Attachment A). The size and mark-status of the targeted Chinook salmon population will be estimated using Salmon Trip Reports (STRs). Total Chinook salmon encounters and associated mortalities resulting from the Area 6 summer MSF will be estimated using the 'CRC for Encounters' methodology, described in Attachment A. WDFW will employ the appropriate number of staff during the Area 6 summer MSF to meet or exceed the sampling rate goal of 20%.

#### Reporting Schedule

WDFW will compile a comprehensive post-season report for all summer Chinook salmon MSFs conducted in Marine Areas 5-13 by February 1, 2021. This report will include a summary of the information collected as part of our sampling and monitoring program during the Area 6 summer MSF. A full analysis of impact estimates (total encounters and mortalities by size and mark-status) resulting from the Area 6 MSF, in addition to estimates of marked and unmarked mortalities of Double index-tagged (DIT) and other coded-wired tagged stocks as described in Attachment A will be provided at a later date, as Catch Record Card estimates become available (see Attachment A).

## 1.14 2020 Summer Mark-Selective Sport Fishery Marine Area 7

The Northwest Treaty Tribes and the Washington Department of Fish and Wildlife (WDFW) have reached agreement to implement a Chinook salmon mark-selective fishery (MSF) in Marine Area 7 during the 2020 summer season. This fishery will be implemented consistent with management objectives defined by the co-managers' Puget Sound Chinook Harvest Management Plan, the WDFW-Tulalip management plan for hatchery origin fish, and established principles concerning the allocation of harvestable salmon and the exercise of treaty rights. The co-managers will seek to minimize or eliminate any unintended effects of this fishery on individual treaty fisheries, including dislocation and/or disruption. Therefore, treaty fisheries will not be modified in order to accommodate this mark-selective fishery.

### Fishery Regulations

The summer Chinook salmon MSF in Marine Area 7 will occur from **July 1, 2020 through July 31 and August 16-31, 2020**. Anglers will be allowed a daily limit of up to two hatchery Chinook salmon.

### Fishery Controls

The preseason modeled predicted catch is **1,562** Chinook salmon, **3,224** total predicted unmarked encounters and **2,580** total predicted sublegal encounters in Area 7 (FRAM Chin3120). WDFW will manage this fishery not to exceed the above catch quota, total unmarked encounters or total sublegal encounters.

### Sampling Design and Estimation Methodologies

WDFW will employ the **Full Murthy** sampling design to monitor the Area 7 summer MSF and estimate total encounters and associated mortalities of legal, sublegal, marked and unmarked Chinook salmon (see Attachment A). Aerial surveys will continue to be conducted in this time and Area in lieu of boat surveys for the Full Murthy. The size and mark-status composition of the targeted Chinook salmon population will be estimated using test fishing data. To ensure an adequate sample size, WDFW will enhance test fishing trips to either seven days a week or employ a second test fishing boat or both. WDFW will employ the appropriate number of staff during the Area 7 summer MSF to meet or exceed the sampling rate goal of 20%.

### Reporting Schedule

WDFW will provide the co-managers with weekly in-season catch and effort estimates beginning **Friday July 10, 2020**.

WDFW will compile a comprehensive post-season report for all summer Chinook salmon MSFs conducted in Marine Areas 5-13 by February 1, 2021. This report will include a summary of the information collected as part of our sampling and monitoring program during the Area 7 summer MSF, a full analysis of impact estimates (total encounters and mortalities by size and mark-status), and estimates of marked and unmarked mortalities of Double index-tagged and other coded-wire tagged stocks as described in Attachment A.

## 1.15 2020 Summer Mark-Selective Sport Fishery Marine Area 9

The Northwest Treaty Tribes and the Washington Department of Fish and Wildlife (WDFW) have reached agreement to implement a Chinook salmon mark-selective fishery (MSF) in Marine Area 9 during the 2020 summer season. These fisheries will be implemented consistent with management objectives defined by the co-managers' Puget Sound Chinook Harvest Management Plan, the WDFW-Tulalip management plan for hatchery origin fish, and established principles concerning the allocation of harvestable salmon and the exercise of treaty rights. The co-managers will seek to minimize or eliminate any unintended effects of these fisheries on individual treaty fisheries, including dislocation and/or disruption. Therefore, treaty fisheries will not be modified in order to accommodate these mark-selective fisheries.

### Fishery Regulations

The summer Chinook salmon MSF in Marine Area 9 will occur from **July 16, 2020 through August 15, 2020**. Anglers will be allowed a daily limit of up to two hatchery Chinook salmon. All sub-area closures included in the 2020-21 Co-Managers' List of Agreed Fisheries will remain in effect for the agreed-to dates.

### Fishery Controls

The preseason modeled expected catch is **6,542** Chinook salmon in Area 9 (FRAM Chin3120). WDFW will manage this fishery not to exceed the above catch quota.

### Sampling Design and Estimation Methodologies

WDFW will employ the **Full Murthy** sampling design to monitor the Area 9 summer MSF and estimate total encounters and associated mortalities of legal, sublegal, marked and unmarked Chinook salmon (see Attachment A). The size and mark-status composition of the targeted Chinook salmon population will be estimated using test fishing data. WDFW will employ the appropriate number of staff during the Area 9 summer MSF to meet or exceed the sampling rate goal of 20%.

### Reporting Schedule

WDFW will provide the co-managers with preliminary weekly estimates of effort and encounters beginning **Friday July 24, 2020**. WDFW will compile a comprehensive post-season report for all summer Chinook salmon MSFs conducted in Marine Areas 5-13 by February 1, 2021. This report will include a summary of the information collected as part of our sampling and monitoring program during the Area 9 summer MSF, a full analysis of impact estimates (total encounters and mortalities by size and mark-status), and estimates of marked and unmarked mortalities of Double index-tagged (DIT) and other CWT stocks as described in Attachment A.

## 1.16 2020 Summer Mark-Selective Sport Fishery Marine Area 10

The Northwest Treaty Tribes and the Washington Department of Fish and Wildlife (WDFW) have reached agreement to implement a Chinook salmon mark-selective fishery (MSF) in Marine Area 10 during the 2020 summer season. These fisheries will be implemented consistent with management objectives defined by the co-managers' Puget Sound Chinook Harvest Management Plan, the WDFW-Tulalip management plan for hatchery origin fish, and established principles concerning the allocation of harvestable salmon and the exercise of treaty rights. The co-managers will seek to minimize or eliminate any unintended effects of these fisheries on individual treaty fisheries, including dislocation and/or disruption. Therefore, treaty fisheries will not be modified in order to accommodate these mark-selective fisheries.

### Fishery Regulations

The summer Chinook salmon MSF in Marine 10 will occur from **July 16, 2020 through August 31, 2020**. Anglers will be allowed a daily limit of up to two hatchery Chinook salmon. All sub-area closures included in the 2020-21 Co-Managers' List of Agreed Fisheries will remain in effect for the agreed-to dates.

### Fishery Controls

The preseason modeled expected catch is **4,159** Chinook salmon in Area 10 (FRAM Chin3120). WDFW will manage this fishery not to exceed the above catch quota.

### Sampling Design and Estimation Methodologies

WDFW will employ the **Full Murthy** sampling design to monitor the Areas 10 summer MSF and estimate total encounters and associated mortalities of legal, sublegal, marked and unmarked Chinook salmon (see Attachment A). The size and mark-status composition of the targeted Chinook salmon population will be estimated using test fishing data. WDFW will employ the appropriate number of staff during the Area10 summer MSF to meet or exceed the sampling rate goal of 20%.

### Reporting Schedule

WDFW will provide the co-managers with weekly in-season catch and effort estimates beginning **Friday July 24, 2020**. WDFW will compile a comprehensive post-season report for all summer Chinook salmon MSFs conducted in Marine Areas 5-13 by February 1, 2021. This report will include a summary of the information collected as part of our sampling and monitoring program during the Area 10 summer MSFs, a full analysis of impact estimates (total encounters and mortalities by size and mark-status), and estimates of marked and unmarked mortalities of Double index-tagged (DIT) and other coded-wire tagged stocks as described in Attachment A.



## 1.17 2020 Summer Mark-Selective Sport Fishery Marine Area 11

The Northwest Treaty Tribes and the Washington Department of Fish and Wildlife (WDFW) have reached agreement to implement a Chinook salmon mark-selective fishery (MSF) in Marine Area 11 during the 2020 summer season. This fishery will be implemented consistent with management objectives defined by the co-managers' Puget Sound Chinook Harvest Management Plan, the WDFW-Tulalip management plan for hatchery origin fish, and established principles concerning the allocation of harvestable salmon and the exercise of treaty rights. The co-managers will seek to minimize or eliminate any unintended effects of this fishery on individual treaty fisheries, including dislocation and/or disruption. Therefore, treaty fisheries will not be modified in order to accommodate this mark-selective fishery.

### Fishery Regulations

The summer Chinook salmon MSF in Marine Area 11 will occur from **July 1, 2020 through September 30, 2020**. Anglers will be allowed a daily limit of up to two hatchery Chinook salmon. All sub-area closures included in the 2020-21 Co-Managers' List of Agreed Fisheries will remain in effect for the agreed-to dates.

### Fishery Controls

The preseason modeled expected catch is **4,196** Chinook salmon in Area 11 (FRAM Chin3120). WDFW will manage this fishery not to exceed the above catch quota.

### Sampling Design and Estimation Methodologies

WDFW will employ the **Reduced Murthy** sampling design to monitor the Area 11 summer MSF and estimate total encounters and associated mortalities of legal, sublegal, marked and unmarked Chinook salmon (see Attachment A). The size and mark-status composition of the targeted Chinook salmon population will be estimated using Salmon Trip Reports (STRs). WDFW will employ the appropriate number of staff during the Area 11 summer MSF in an effort to meet or exceed the sampling rate goal of 20%.

### Reporting Schedule

WDFW will provide the co-managers with bi-weekly in-season catch and effort estimates beginning **July 17, 2020**.

WDFW will compile a comprehensive post-season report for all summer Chinook salmon MSFs conducted in Marine Areas 5-13 by February 1, 2021. This report will include a summary of the information collected as part of our sampling and monitoring program during the Area 11 summer MSF, a full analysis of impact estimates (total encounters and mortalities by size and mark-status), and estimates of marked and unmarked mortalities of double index-tagged (DIT) and other CWT stocks as described in Attachment A.

## 1.18 2020 Summer Selective Sport Fishery Marine Area 12

The Northwest Treaty Tribes and the Washington Department of Fish and Wildlife (WDFW) have reached agreement to implement a Chinook salmon mark-selective fishery (MSF) in Marine Area 12 during the 2020 summer season. This fishery will be implemented consistent with management objectives defined by the co-managers' Puget Sound Chinook Harvest Management Plan, the WDFW-Tulalip management plan for hatchery origin fish, and established principles concerning the allocation of harvestable salmon and the exercise of treaty rights. The co-managers will seek to minimize or eliminate any unintended effects of this fishery on individual treaty fisheries, including dislocation and/or disruption. Therefore, treaty fisheries will not be modified in order to accommodate this mark-selective fishery.

### Fishery Regulations

The summer Chinook salmon MSF in Marine Area 12 will occur from **July 1, 2020 through September 30, 2020**, only in the portion of the area located south of Ayock Point. Anglers will be allowed a daily limit of up to four salmon. All sub-area closures included in the 2020-21 Co-Managers' List of Agreed Fisheries will remain in effect for the agreed-to dates.

### Fishery Controls

WDFW will manage this fishery as a season, beginning and ending on the agreed-to dates (above).

### Sampling Design and Estimation Methodologies

Sampling efforts will be conducted consistent with the **Baseline Sampling Design** (see Attachment A). The size and mark-status of the targeted Chinook salmon population will be estimated using Salmon Trip Reports (STRs). Total Chinook salmon encounters and associated mortalities resulting from the Area 12 summer MSF will be estimated using the 'CRC for Encounters' methodology, described in Attachment A. WDFW will employ the appropriate number of staff during the Area 12 summer MSF in an effort to meet or exceed the sampling rate goal of 20%.

### Reporting Schedule

WDFW will compile a comprehensive post-season report for all summer Chinook salmon MSFs conducted in Marine Areas 5-13 by February 1, 2021. This report will include a summary of the information collected as part of our sampling and monitoring program during the Area 12 summer MSF. A full analysis of impact estimates (total encounters and mortalities by size and mark-status) resulting from the Area 12 MSF, in addition to estimates of marked and unmarked mortalities of Double index-tagged (DIT) and other CWT stocks as described in Attachment A will be provided at a later date, as Catch Record Card estimates become available (see Attachment A).

## 1.19 2020 Summer Mark-Selective Sport Fishery Marine Area 13

The Northwest Treaty Tribes and the Washington Department of Fish and Wildlife (WDFW) have reached agreement to implement a Chinook salmon mark-selective fishery (MSF) in Marine Area 13 during the 2020 summer season. This fishery will be implemented consistent with management objectives defined by the co-managers' Puget Sound Chinook Harvest Management Plan, the WDFW-Tulalip management plan for hatchery origin fish, and established principles concerning the allocation of harvestable salmon and the exercise of treaty rights. The co-managers will seek to minimize or eliminate any unintended effects of this fishery on individual treaty fisheries, including dislocation and/or disruption. Therefore, treaty fisheries will not be modified in order to accommodate this mark-selective fishery.

### Fishery Regulations

The summer Chinook salmon MSF in Marine Area 13 will occur from **May 1, 2020 through September 30, 2020**. Anglers will be allowed a daily limit of up to two hatchery Chinook salmon. All sub-area closures included in the 2020-21 Co-Managers' List of Agreed Fisheries will remain in effect for the agreed-to dates.

### Fishery Controls

WDFW will manage this fishery as a season, beginning and ending on the agreed-to dates (above).

### Sampling Design and Estimation Methodologies

Sampling efforts will be conducted consistent with the **Baseline Sampling Design** (see Attachment A). The size and mark-status of the targeted Chinook salmon population will be estimated using Salmon Trip Reports (STRs). Total Chinook salmon encounters and associated mortalities resulting from the Area 13 summer MSF will be estimated using the 'CRC for Encounters' methodology, described in Attachment A. WDFW will employ the appropriate number of staff during the Area 13 summer MSF in an effort to meet or exceed the sampling rate goal of 20%.

### Reporting Schedule

WDFW will compile a comprehensive post-season report for all summer Chinook salmon MSFs conducted in Marine Areas 5-13 by February 1, 2021. This report will include a summary of the information collected as part of our sampling and monitoring program during the Area 13 summer MSF. A full analysis of impact estimates (total encounters and mortalities by size and mark-status) resulting from the Area 13 MSF, in addition to estimates of marked and unmarked mortalities of Double index-tagged (DIT) and other coded-wired tagged stocks as described in Attachment A will be provided at a later date, as Catch Record Card estimates become available (see Attachment A).

## 1.20 2020-21 Winter Mark-Selective Sport Fishery Marine Area 5

The Northwest Treaty Tribes and the Washington Department of Fish and Wildlife (WDFW) have reached agreement to implement a Chinook salmon mark-selective fishery (MSF) in Marine Area 5 during the 2020-2021 winter season. This fishery will be implemented consistent with management objectives defined by the co-managers' Puget Sound Chinook Harvest Management Plan, the WDFW-Tulalip management plan for hatchery origin fish, and established principles concerning the allocation of harvestable salmon and the exercise of treaty rights. The co-managers will seek to minimize or eliminate any unintended effects of this fishery on individual treaty fisheries, including dislocation and/or disruption. Therefore, treaty fisheries will not be modified in order to accommodate this mark-selective fishery.

### Fishery Regulations

The winter Chinook salmon MSF in Marine Area 5 will occur from **March 1, 2021 through April 30, 2021**. Anglers will be allowed a daily limit of up to two hatchery Chinook salmon. All sub-area closures included in the 2020-21 Co-Managers' List of Agreed Fisheries will remain in effect for the agreed-to dates.

### Fishery Controls

WDFW will manage this fishery as a season, beginning and ending on the agreed-to dates (above).

### Sampling Design and Estimation Methodologies

Sampling efforts will be conducted consistent with the **Baseline Sampling Design** (see Attachment A). The size and mark-status composition of the targeted Chinook salmon population will be estimated using Salmon Trip Reports (STRs). Total Chinook salmon encounters and associated mortalities resulting from the Area 5 winter MSF will be estimated using the 'CRC for Encounters' methodology, described in Attachment A. WDFW will employ the appropriate number of staff during the Area 5 winter MSF in an effort to meet or exceed the sampling rate goal of 20%.

### Reporting Schedule

WDFW will compile a comprehensive post-season report for all winter Chinook salmon MSFs conducted in Marine Areas 5-13 by December 1, 2021. This report will include a summary of the information collected as part of our sampling and monitoring program during the Area 5 winter MSF. A full analysis of impact estimates (total encounters and mortalities by size and mark-status) resulting from the Area 5 MSF, in addition to estimates of marked and unmarked mortalities of double index-tagged (DIT) and other coded-wire tagged stocks as described in Attachment A will be provided at a later date, as estimates from Catch Record Card become available (see Attachment A).

## 1.21 2020-21 Winter Mark-Selective Sport Fishery Marine Area 10

The Northwest Treaty Tribes and the Washington Department of Fish and Wildlife (WDFW) have reached agreement to implement a Chinook salmon mark-selective fishery (MSF) in Marine Area 10 during the 2020-2021 winter season. This fishery will be implemented consistent with management objectives defined by the co-managers' Puget Sound Chinook Harvest Management Plan, the WDFW-Tulalip management plan for hatchery origin fish, and established principles concerning the allocation of harvestable salmon and the exercise of treaty rights. The co-managers will seek to minimize or eliminate any unintended effects of this fishery on individual treaty fisheries, including dislocation and/or disruption. Therefore, treaty fisheries will not be modified in order to accommodate this mark-selective fishery.

### Fishery Regulations

The winter Chinook salmon MSF in Marine Area 10 will occur from **January 1, 2021 through March 31, 2021**. Anglers will be allowed a daily limit of up to two hatchery Chinook salmon. All sub-area closures included in the 2020-21 Co-Managers' List of Agreed Fisheries will remain in effect for the agreed-to dates.

### Fishery Controls

The preseason prediction of total Chinook salmon encounters in Area 10 is **3,751** (FRAM Chin3120). WDFW plans to manage this fishery to ensure that the fishery does not exceed 120% of 4,501 predicted total Chinook salmon encounters. WDFW will also manage to **579** total unmarked encounters and **3,224** total sublegal encounters.

### Sampling Design and Estimation Methodologies

WDFW will employ the **Full Murthy** sampling design to monitor the Area 10 winter MSF and estimate total encounters and associated mortalities of legal, sublegal, marked and unmarked Chinook salmon (see Attachment A). Comanagers have agreed to use an additional test fishing boat in this Area in the winter. The size and mark-status composition of the targeted Chinook salmon population will be estimated using test fishing data. WDFW will employ the appropriate number of staff during the Area 10 winter MSF in an effort to meet or exceed the sampling rate goal of 20%.

### Reporting Schedule

WDFW will provide the co-managers with weekly in-season catch and effort estimates beginning the week ending **January 8, 2021**.

WDFW will compile a comprehensive post-season report for all winter Chinook salmon MSFs conducted in Marine Areas 5-13 by December 1, 2021. This report will include a summary of the information collected as part of our sampling and monitoring program during the Area 10 winter MSF, a full analysis of impact estimates (total encounters and mortalities by size and mark-status), and estimates of marked and unmarked mortalities of double index-tagged (DIT) and other coded-wire tagged stocks as described in Attachment A.

## 1.22 2020-21 Winter Mark-Selective Sport Fishery Marine Area 13

The Northwest Treaty Tribes and the Washington Department of Fish and Wildlife (WDFW) have reached agreement to implement a Chinook salmon mark-selective fishery (MSF) in Marine Area 13 during the 2020-2021 winter season. This fishery will be implemented consistent with management objectives defined by the co-managers' Puget Sound Chinook Harvest Management Plan, the WDFW-Tulalip management plan for hatchery origin fish, and established principles concerning the allocation of harvestable salmon and the exercise of treaty rights. The co-managers will seek to minimize or eliminate any unintended effects of this fishery on individual treaty fisheries, including dislocation and/or disruption. Therefore, treaty fisheries will not be modified in order to accommodate this mark-selective fishery.

### Fishery Regulations

The winter Chinook salmon MSF in Marine Area 13 will occur from **October 1, 2020 through April 30, 2021**. Anglers will be allowed a daily limit of up to two hatchery Chinook salmon. All sub-area closures included in the 2020-21 Co-Managers' List of Agreed Fisheries will remain in effect for the agreed-to dates.

### Fishery Controls

WDFW will manage this fishery as a season, beginning and ending on the agreed-to dates (above).

### Sampling Design and Estimation Methodologies

Sampling efforts will be conducted consistent with the **Baseline Sampling Design** (see Attachment A). The size and mark-status composition of the targeted Chinook salmon population will be estimated using Salmon Trip Reports (STRs). Total Chinook salmon encounters and associated mortalities resulting from the Area 13 winter MSF will be estimated using the 'CRC for Encounters' methodology, described in Attachment A. WDFW will employ the appropriate number of staff during the Area 13 winter MSF in an effort to meet or exceed the sampling rate goal of 20%.

### Reporting Schedule

WDFW will compile a comprehensive post-season report for all winter Chinook salmon MSFs conducted in Marine Areas 5-13 by December 1, 2021. This report will include a summary of the information collected as part of our sampling and monitoring program during the Area 13 winter MSF. A full analysis of impact estimates (total encounters and mortalities by size and mark-status) resulting from the Area 13 MSF, in addition to estimates of marked and unmarked mortalities of Double index-tagged (DIT) and other coded-wire tagged stocks as described in Attachment A will be provided at a later date, as Catch Record Card estimates become available (see Attachment A).

---