

SALMON TECHNICAL TEAM

***COLLATION
OF PRELIMINARY
SALMON MANAGEMENT ALTERNATIVES
FOR 2018 OCEAN FISHERIES***

March 12, 2018

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A. SEASON ALTERNATIVE DESCRIPTIONS		
ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
North of Cape Falcon	North of Cape Falcon	North of Cape Falcon
Supplemental Management Information	Supplemental Management Information	Supplemental Management Information
Model #: Coho-1805, Chinook X	Model #: Coho-1806, Chinook X	Model #: Coho-1807, Chinook X
<ol style="list-style-type: none"> Overall non-Indian TAC: 67,500 Chinook and 47,600 coho marked with a healed adipose fin clip (marked). Non-Indian commercial troll TAC: 33,750 Chinook and 5,600 marked coho. Trade: May be considered at the April Council meeting. Overall Chinook and/or coho TACs may need to be reduced or fisheries adjusted to meet NMFS ESA guidance, FMP requirements, upon conclusion of negotiations in the North of Falcon forum, or upon receipt of preseason catch and abundance expectations for Canadian and Alaskan fisheries. 	<ol style="list-style-type: none"> Overall non-Indian TAC: 55,000 Chinook and 35,000 coho marked with a healed adipose fin clip (marked). Non-Indian commercial troll TAC: 27,500 Chinook and 5,600 marked coho. Trade: Overall Chinook and/or coho TACs may need to be reduced or fisheries adjusted to meet NMFS ESA guidance, FMP requirements, upon conclusion of negotiations in the North of Falcon forum, or upon receipt of preseason catch and abundance expectations for Canadian and Alaskan fisheries. 	<ol style="list-style-type: none"> Overall non-Indian TAC: 45,000 Chinook and 20,000 coho marked with a healed adipose fin clip (marked). Non-Indian commercial troll TAC: 22,500 Chinook and 3,200 coho. Trade: Overall Chinook and/or coho TACs may need to be reduced or fisheries adjusted to meet NMFS ESA guidance, FMP requirements, upon conclusion of negotiations in the North of Falcon forum, or upon receipt of preseason catch and abundance expectations for Canadian and Alaskan fisheries.
U.S./Canada Border to Cape Falcon <ul style="list-style-type: none"> May 1 through the earlier of June 30 or 22,500 Chinook, no more than 7,000 of which may be caught in the area between the U.S./Canada border and the Queets River, and no more than 6,200 of which may be caught in the area between Leadbetter Pt. and Cape Falcon (C.8). Open seven days per week (C.1). <p>All salmon, except coho (C.4, C.7). Chinook minimum size limit of 28 inches total length (B). See compliance requirements (C.1) and gear restrictions and definitions (C.2, C.3).</p> <p>When it is projected that approximately 75% of the overall Chinook guideline has been landed, or approximately 75% of the Chinook subarea guideline has been landed in the area between the U.S./Canada border and the Queets River, or approximately 75% of the Chinook subarea guideline has been landed in the area between Leadbetter Pt. and Cape Falcon, inseason action will be considered to ensure the guideline is not exceeded.</p>	U.S./Canada Border to Cape Falcon <ul style="list-style-type: none"> May 1 through the earlier of June 30 or 16,500 Chinook, 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 4,600 of which may be caught in the area between Leadbetter Pt. and Cape Falcon (C.8). Open seven days per week (C.1). May 10-June 30: in the area between the U.S./Canada border and the Queets River, landing and possession limit of 50 Chinook per vessel per landing week (Thursday through Wednesday) (C.1, C.6). <p>Same as Alternative 1</p> <p>Same as Alternative 1</p>	U.S./Canada Border to Cape Falcon <ul style="list-style-type: none"> May 1 through the earlier of June 15 or 11,300 Chinook, no more than 3,500 of which may be caught in the area between the U.S./Canada border and the Queets River, and no more than 3,100 of which may be caught in the area between Leadbetter Pt. and Cape Falcon (C.8). May 1-8; open seven days per week (C.1). May 11-June 15; open five days per week (Friday through Tuesday). Landing and possession limit of 40 Chinook per vessel per open period will be in place (C.1, C.6). <p>Same as Alternative 1</p> <p>When it is projected that approximately 50% of the overall Chinook guideline has been landed, or approximately 50% of the Chinook subarea guideline has been landed in the area between the U.S./Canada border and the Queets River, or approximately 50% of the Chinook subarea guideline has been landed in the area between Leadbetter Pt. and Cape Falcon, inseason action will be considered to ensure the guideline is not exceeded.</p>

A. SEASON ALTERNATIVE DESCRIPTIONS		
ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
<p>U.S./Canada Border to Cape Falcon</p> <ul style="list-style-type: none"> July 1-September 19 or 11,250 Chinook or 5,600 coho, whichever comes first; no more than 4,700 Chinook may be caught in the area between the U.S./Canada border and the Queets River (C.8). <p>In the area between the U.S./Canada border and the Queets River, a landing and possession limit of 60 Chinook per vessel per landing week (Thursday through Wednesday) will be in place (C.1, C.6).</p> <p>Landing and possession limit of 10 coho per vessel per landing week (C.1).</p> <p>Open seven days per week. All salmon. Chinook minimum size limit of 28 inches total length. Coho minimum size limit of 16 inches total length (B, C.1). All coho must be marked with a healed adipose fin clip (C.8.d). No chum retention north of Cape Alava, Washington in August and September (C.4, C.7). See compliance requirements (C.1) and gear restrictions and definitions (C.2, C.3).</p> <p>When it is projected that approximately 75% of the overall Chinook guideline has been landed, or approximately 75% of the Chinook subarea guideline has been landed in the area between the U.S./Canada border to the Queets River, inseason action will be considered to ensure the guideline is not exceeded.</p>	<p>U.S./Canada Border to Cape Falcon</p> <ul style="list-style-type: none"> July 1-September 19 or 11,000 Chinook or 5,600 coho, whichever comes first; no more than 4,600 Chinook may be caught in the area between the U.S./Canada border and the Queets River (C.8). <p>Landing and possession limit of 50 Chinook and 10 coho per vessel per landing week (C.1).</p> <p>Same as Alternative 1</p> <p>Same as Alternate 1</p>	<p>U.S./Canada Border to Cape Falcon</p> <ul style="list-style-type: none"> July 1-September 4 or 11,200 Chinook or 3,200 coho, whichever comes first; no more than 4,700 Chinook may be caught in the area between the U.S./Canada border and the Queets River, and no more than 1,300 Chinook may be caught in the area between Leadbetter Point and Cape Falcon (C.8). Open July 1-3 then; July 6-September 4; open five days per week (Friday through Tuesday). <p>Landing and possession limit of 40 Chinook and 10 coho per vessel per open period (C.1).</p> <p>Same as Alternative 1</p> <p>When it is projected that approximately 50% of the overall Chinook guideline has been landed, or approximately 50% of the Chinook subarea guideline has been landed in the area between the U.S./Canada border to the Queets River, inseason action will be considered to ensure the guideline is not exceeded.</p>
<p>For all commercial troll fisheries north of Cape Falcon: Mandatory closed areas include: Salmon troll Yelloweye Rockfish Conservation Area, Cape Flattery and Columbia Control Zones, and beginning August 13, Grays Harbor Control Zone (C.5). Vessels must land and deliver their salmon within 24 hours of any closure of this fishery. Vessels fishing, or in possession of salmon while fishing, north of Leadbetter Point must land and deliver all species of fish within the area and north of Leadbetter Point. Vessels fishing or in possession of salmon while fishing south of Leadbetter Point must land and deliver all species of fish within the area and south of Leadbetter Point, except that Oregon permitted vessels may also land all species of fish in Garibaldi, Oregon. Under state law, vessels must report their catch on a state fish receiving ticket. Oregon State regulations require all fishers landing salmon into Oregon from any fishery between Leadbetter Point, Washington and Cape Falcon, Oregon must notify ODFW within one hour of delivery or prior to transport away from the port of landing by either calling 541-867-0300 ext. 271 or sending notification via e-mail to nfalcon.trollreport@state.or.us. Notification shall include vessel name and number, number of salmon by species, port of landing and location of delivery, and estimated time of delivery. Inseason actions may modify harvest guidelines in later fisheries to achieve or prevent exceeding the overall allowable troll harvest impacts (C.8).</p> <p>Vessels in possession of salmon north of the Queets River may not cross the Queets River line without first notifying WDFW at 360-249-1215 with area fished, total Chinook, coho and halibut catch aboard, and destination.</p> <p>Vessels in possession of salmon south of the Queets River may not cross the Queets River line without first notifying WDFW at 360-249-1215 with area fished, total Chinook, coho and halibut catch aboard, and destination.</p>		

A. SEASON ALTERNATIVE DESCRIPTIONS		
ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
South of Cape Falcon	South of Cape Falcon	South of Cape Falcon
Supplemental Management Information	Supplemental Management Information	Supplemental Management Information
<ol style="list-style-type: none"> 1. Sacramento River fall Chinook spawning escapement of 113,646 hatchery and natural area adults. 2. Sacramento Index exploitation rate of 50.5%. 3. Klamath River recreational fishery allocation: 3,787 adult Klamath River fall Chinook. 4. Klamath tribal allocation: 25,246 adult Klamath River fall Chinook. 5. CA/OR share of Klamath River fall Chinook commercial ocean harvest: 81% / 19%. 6. Fisheries may need to be adjusted to meet NMFS ESA consultation standards, FMP requirements, other management objectives, or upon receipt of new allocation recommendations from the California Fish and Game Commission. 	<ol style="list-style-type: none"> 1. Sacramento River fall Chinook spawning escapement of 140,483 hatchery and natural area adults. 2. Sacramento Index exploitation rate of 38.8%. 3. Klamath River recreational fishery allocation: 2,509 adult Klamath River fall Chinook. 4. Klamath tribal allocation: 16,725 adult Klamath River fall Chinook. 5. CA/OR share of Klamath River fall Chinook commercial ocean harvest: 71% / 29%. 6. Fisheries may need to be adjusted to meet NMFS ESA consultation standards, FMP requirements, other management objectives, or upon receipt of new allocation recommendations from the California Fish and Game Commission. 	<ol style="list-style-type: none"> 1. Sacramento River fall Chinook spawning escapement of 159,808 hatchery and natural area adults. 2. Sacramento Index exploitation rate of 30.3%. 3. Klamath River recreational fishery allocation: 1,896 adult Klamath River fall Chinook. 4. Klamath tribal allocation: 12,641 adult Klamath River fall Chinook. 5. CA/OR share of Klamath River fall Chinook commercial ocean harvest: 87% / 13%. 6. Fisheries may need to be adjusted to meet NMFS ESA consultation standards, FMP requirements, other management objectives, or upon receipt of new allocation recommendations from the California Fish and Game Commission.
<p>Cape Falcon to Humbug Mt.</p> <ul style="list-style-type: none"> • May 7-31; • June 7-30; • July 8-31; • August 1-22; • September 1-October 31 (C.9.a). <p>Open seven days per week. All salmon except coho (C.4, C.7). Chinook minimum size limit of 28 inches total length (B, C.1). All vessels fishing in the area must land their salmon in the State of Oregon. See gear restrictions and definitions (C.2, C.3) and Oregon State regulations for a description of special regulations at the mouth of Tillamook Bay.</p> <p>Beginning September 1 no more than 50 Chinook allowed per vessel per landing week (Thurs-Wed); and only open shoreward of the 40 fathom management line beginning October 1.</p> <p>In 2019, the season will open March 15 for all salmon except coho. Chinook minimum size limit of 28 inches total length. Gear restrictions same as in 2018. This opening could be modified following Council review at its March 2019 meeting.</p>	<p>Cape Falcon to Humbug Mt.</p> <ul style="list-style-type: none"> • May 1-August 15; • September 1-October 31 (C.9.a). <p>Same as Alternative 1</p> <p>Same as Alternative 1</p> <p>In 2019, same as Alternative I</p>	<p>Cape Falcon to Humbug Mt.</p> <ul style="list-style-type: none"> • May 1-14; May 25-31; • June 1-11, June 24-30; • September 1-October 31 (C.9.a). <p>Cape Falcon to the South End of Heceta Bank (43°58'00"N) (Closed South of the South End of Heceta Bank [43°58'00"N])</p> <ul style="list-style-type: none"> • July 1-10, July 15-23; • August 1-8, August 19-29 (C.9.a). <p>Same as Alternative 1</p> <p>Beginning September 1 only open shoreward of the 40 fathom management line and no more than 50 Chinook per vessel per landing week (Thurs-Wed).</p> <p>In 2019, same as Alternative I</p>

A. SEASON ALTERNATIVE DESCRIPTIONS		
ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
<p>Humbug Mt. to OR/CA Border (Oregon KMZ)</p> <ul style="list-style-type: none"> • May 7-31; • June 7 through earlier of June 30, or a 1,500 Chinook quota; • July 8 through earlier of July 31, or a 2,000 Chinook quota (C.8.b); • August 1 through earlier of August 22, or a 500 Chinook quota; (C.9.a). <p>Open seven days per week. All salmon except coho (C.4, C.7). Chinook minimum size limit of 28 inches total length (B, C.1). See compliance requirements (C.1) and gear restrictions and definitions (C.2, C.3). Prior to June 1, all salmon caught in this area must be landed and delivered in the State of Oregon.</p> <p>June 7 – August 22 landing and possession limit of 50 Chinook per vessel per landing week (Thurs.-Wed.). Any remaining portion of the June Chinook quota may be transferred inseason on an impact neutral basis to the next open quota period (C.8).</p> <p>All vessels fishing in this area during June and August must land and deliver all salmon within this area or into Port Orford, within 24 hours of any closure of this fishery, and prior to fishing outside of this area.</p> <p>For all quota managed seasons (June and August), Oregon state regulations require fishers to notify ODFW within one hour of landing and prior to transport away from the port of landing by calling 541-867-0300 Ext. 252 or sending notification via e-mail to kmzor.trollreport@state.or.us, with vessel name and number, number of salmon by species, location of delivery, and estimated time of delivery.</p> <p>In 2019, the season will open March 15 for all salmon except coho. Chinook minimum size limit of 28 inches total length. Gear restrictions same as in 2018. This opening could be modified following Council review at its March 2019 meeting.</p>	<p>Humbug Mt. to OR/CA Border (Oregon KMZ)</p> <ul style="list-style-type: none"> • May 1-31; <p>NW Rock (42°27'45"N) to Mack Arch (42°13'40"N) and shoreward of the 40 fathom regulatory line</p> <ul style="list-style-type: none"> • June 15 through earlier of June 30, or a 1,500 Chinook quota (C.8.b); • July 1 through earlier of July 31, or a 2,000 Chinook quota (C.8.b); • August 1 through earlier of August 15, or a 500 Chinook quota; (C.9.a). <p>Same as Alternative 1</p> <p>June 15 – August 15 weekly landing and possession limit of 50 Chinook per vessel landing week (Thurs-Wed). Any remaining portion of the June and/or July Chinook quotas may be transferred inseason on an impact neutral basis to the next open quota period (C.8).</p> <p>All vessels fishing in this area from June through August must land and deliver all salmon into Port Orford, Gold Beach, or Brookings, within 24 hours of any closure of this fishery, and prior to fishing outside of this area.</p> <p>For all quota managed seasons (June, July, and August), Oregon state regulations require fishers to notify ODFW within one hour of landing and prior to transport away from the port of landing by calling 541-867-0300 Ext. 252 or sending notification via e-mail to kmzor.trollreport@state.or.us, with vessel name and number, number of salmon by species, location of delivery, and estimated time of delivery.</p> <p>In 2019, same as Alternative 1</p>	<p>Humbug Mt. to OR/CA Border (Oregon KMZ)</p> <ul style="list-style-type: none"> • May 1-14 and May 25-31 (C.9.a). <p>Same as Alternative 1</p> <p>In 2019, same as Alternative 1</p>

A. SEASON ALTERNATIVE DESCRIPTIONS

ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
OR/CA Border to Humboldt South Jetty (California KMZ) <ul style="list-style-type: none"> • May 1-31 or 5,000 Chinook quota whichever comes first; • June 1-30, or 5,000 Chinook quota whichever comes first; • July 1-31 or 2,000 Chinook quota whichever comes first; • August 1-31 or 2,000 Chinook quota whichever comes first (C.9.b). <p>Open five days per week (Fri.-Tue.) All salmon except coho (C.4, C.7). Chinook minimum size limit of 26 inches total length (B, C.1).</p> <p>Landing and possession limit of 20 Chinook per vessel per day (C.8.f). Any remaining portion of the May, June, and/or July Chinook quotas may be transferred inseason on an impact neutral basis to the next open quota period (C.8.g). All fish caught in this area must be landed within the area and within 24 hours of any closure of the fishery and prior to fishing outside the area (C.10). See compliance requirements (C.1) and gear restrictions and definitions (C.2, C.3). Klamath Control Zone closed (C.5.e). See California State regulations for additional closures adjacent to the Smith and Klamath rivers.</p>	OR/CA Border to Humboldt South Jetty (California KMZ) <p>Same as Alternative 1</p>	OR/CA Border to Humboldt South Jetty (California KMZ) <p>Same as Alternative 1</p>
Humboldt South Jetty to Horse Mt. Closed.	Humboldt South Jetty to Horse Mt. Closed.	Humboldt South Jetty to Horse Mt. Closed.
Horse Mt. to Point Arena (Fort Bragg) <ul style="list-style-type: none"> • July 15-31; • August 7-29; • September 1-30 (C.9.b). <p>Open seven days per week. All salmon except coho (C.4, C.7). Chinook minimum size limit of 26 inches total length (B, C.1). See compliance requirements (C.1) and gear restrictions and definitions (C.2, C.3). All salmon must be landed in California.</p> <p>All salmon caught in California prior to September 1 must be landed and offloaded no later than 11:59 p.m., August 30 (C.6). When the CA KMZ fishery is open, all fish caught in the area must be landed south of Horse Mountain until the CA KMZ fishery has been closed for at least 24 hours (C.6). During September, all fish must be landed north of Point Arena (C.6).</p> <p>In 2019, the season will open April 16-30 for all salmon except coho, with a 27 inch Chinook minimum size limit and the same gear restrictions as in 2018. All salmon caught in the area must be landed in the area. This opening could be modified following Council review at its March 2019 meeting.</p>	Horse Mt. to Point Arena (Fort Bragg) <ul style="list-style-type: none"> • August 1-29; • September 1-30 (C.9.b). <p>Same as Alternative I</p> <p>In 2019, same as Alternative I</p>	Horse Mt. to Point Arena (Fort Bragg) <ul style="list-style-type: none"> • August 15-29; • September 1-30 (C.9.b). <p>Same as Alternative I</p> <p>In 2019, same as Alternative I</p>

When the fishery is closed between the OR/CA border and Humbug Mountain and open to the south, vessels with fish on board caught in the open area off California may seek temporary mooring in Brookings, Oregon prior to landing in California only if such vessels first notify the Chetco River Coast Guard Station via VHF channel 22A between the hours of 0500 and 2200 and provide the vessel name, number of fish on board, and estimated time of arrival (C.6).

TABLE 1. 2018 Commercial troll management Alternatives for non-Indian ocean salmon fisheries - STT Analyzed. (Page 6 of 10)

Monday, March 12, 2018, 10:05 AM

A. SEASON ALTERNATIVE DESCRIPTIONS		
ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
<p>Pt. Arena to Pigeon Pt. (San Francisco)</p> <ul style="list-style-type: none"> • June 1-30; • July 15-31; • September 1-30 (C.9.b). <p>Open seven days per week. All salmon except coho (C.4, C.7). Chinook minimum size limit of 26 inches total length (B, C.1). See compliance requirements (C.1) and gear restrictions and definitions (C.2, C.3). All salmon must be landed in California.</p> <p>All salmon caught in the area during June must be landed and offloaded no later than 11:59 p.m., July 1 (C.6), and all salmon caught in the area during July must be landed and offloaded no later than 11:59 p.m., August 30 (C.6). During September, all salmon must be landed south of Point Arena (C.6).</p> <p>When the CA KMZ fishery is open, all fish caught in the area must be landed south of Horse Mountain until the CA KMZ fishery has been closed for at least 24 hours (C.6).</p> <p>Point Reyes to Point San Pedro (Fall Area Target Zone)</p> <ul style="list-style-type: none"> • October 1-5 and 8-12. <p>Open five days per week, Monday through Friday. All salmon except coho (C.4, C.7). Chinook minimum size limit of 26 inches total length (B, C.1). All salmon caught in this area must be landed between Point Arena and Pigeon Point (C.6). See compliance requirements (C.1) and gear restrictions and definitions (C.2, C.3).</p>	<p>Pt. Arena to Pigeon Pt. (San Francisco)</p> <ul style="list-style-type: none"> • June 15-30; • August 1-29; • September 1-30 (C.9.b). <p>Same as Alternative 1</p> <p>Point Reyes to Point San Pedro (Fall Area Target Zone)</p> <ul style="list-style-type: none"> • Same as Alternative 1 	<p>Pt. Arena to Pigeon Pt. (San Francisco)</p> <ul style="list-style-type: none"> • June 15-30; • September 1-30 (C.9.b). <p>Same as Alternative 1</p> <p>Point Reyes to Point San Pedro (Fall Area Target Zone)</p> <ul style="list-style-type: none"> • Same as Alternative 1
<p>Pigeon Point to U.S./Mexico Border (Monterey)</p> <ul style="list-style-type: none"> • May 1-30 (C.9.b). <p>Open seven days per week. All salmon except coho (C.4, C.7). Chinook minimum size limit of 26 inches total length (B, C.1). All salmon must be landed in California. See compliance requirements (C.1) and gear restrictions and definitions (C.2, C.3).</p> <p>When the CA KMZ fishery is open, all fish caught in the area must be landed south of Horse Mountain until the CA KMZ fishery has been closed for at least 24 hours. All salmon caught in the area must be landed and offloaded no later than 11:59 p.m., May 31 (C.6).</p>	<p>Pigeon Point to U.S./Mexico Border (Monterey)</p> <ul style="list-style-type: none"> • May 1-15 (C.9.b). <p>Same as Alternative 1</p>	<p>Pigeon Point to U.S./Mexico Border (Monterey)</p> <ul style="list-style-type: none"> • Closed (C.9.b).
<p>California State regulations require all salmon be made available to a CDFW representative for sampling immediately at port of landing. Any person in possession of a salmon with a missing adipose fin, upon request by an authorized agent or employee of the CDFW, shall immediately relinquish the head of the salmon to the State (California Fish and Game Code §8226).</p>		

B. MINIMUM SIZE (Inches) (See C.1)

Area (when open)	Chinook		Coho		Pink
	Total Length	Head-off	Total Length	Head-off	
North of Cape Falcon	28	21.5	16	12	None
Cape Falcon to Humbug Mt.	28	21.5	-	-	None
Humbug Mt. to OR/CA Border	28	21.5	-	-	None
OR/CA Border to Humboldt South Jetty	26	19.5	-	-	26
Horse Mt. to Pt. Arena	26	19.5	-	-	26
Pt. Arena to Pigeon Pt.	26	19.5	-	-	26
Pigeon Pt. to U.S./Mexico Border	26	19.5	-	-	26

C. REQUIREMENTS, DEFINITIONS, RESTRICTIONS, OR EXCEPTIONS

C.1. Compliance with Minimum Size or Other Special Restrictions: All salmon on board a vessel must meet the minimum size, landing/possession limit, or other special requirements for the area being fished and the area in which they are landed if the area is open or has been closed less than 48 hours for that species of salmon. Salmon may be landed in an area that has been closed for a species of salmon more than 48 hours only if they meet the minimum size, landing/possession limit, or other special requirements for the area in which they were caught. Salmon may not be filleted prior to landing.

Any person who is required to report a salmon landing by applicable state law must include on the state landing receipt for that landing both the number and weight of salmon landed by species. States may require fish landing/receiving tickets be kept on board the vessel for 90 days or more after landing to account for all previous salmon landings.

C.2. Gear Restrictions:

- Salmon may be taken only by hook and line using single point, single shank, barbless hooks.
- Cape Falcon, Oregon, to the OR/CA border: No more than 4 spreads are allowed per line.
- OR/CA border to U.S./Mexico border: No more than 6 lines are allowed per vessel, and barbless circle hooks are required when fishing with bait by any means other than trolling.

C.3. Gear Definitions:

Trolling defined: Fishing from a boat or floating device that is making way by means of a source of power, other than drifting by means of the prevailing water current or weather conditions.

Troll fishing gear defined: One or more lines that drag hooks behind a moving fishing vessel engaged in trolling. In that portion of the fishery management area off Oregon and Washington, the line or lines must be affixed to the vessel and must not be intentionally disengaged from the vessel at any time during the fishing operation.

Spread defined: A single leader connected to an individual lure and/or bait.

Circle hook defined: A hook with a generally circular shape and a point which turns inward, pointing directly to the shank at a 90° angle.

C.4. Vessel Operation in Closed Areas with Salmon on Board:

- Except as provided under C.4.b below, it is unlawful for a vessel to have troll or recreational gear in the water while in any area closed to fishing for a certain species of salmon, while possessing that species of salmon; however, fishing for species other than salmon is not prohibited if the area is open for such species, and no salmon are in possession.
- When Genetic Stock Identification (GSI) samples will be collected in an area closed to commercial salmon fishing, the scientific research permit holder shall notify NOAA OLE, USCG, CDFW, WDFW, ODFW and OSP at least 24 hours prior to sampling and provide the following information: the vessel name, date, location and time collection activities will be done. Any vessel collecting GSI samples in a closed area shall not possess any salmon other than those from which GSI samples are being collected. Salmon caught for collection of GSI samples must be immediately released in good condition after collection of samples.

C. REQUIREMENTS, DEFINITIONS, RESTRICTIONS, OR EXCEPTIONS (Continued)**C.5. Control Zone Definitions:**

- a. *Cape Flattery Control Zone* - The area from Cape Flattery (48°23'00" N. lat.) to the northern boundary of the U.S. EEZ; and the area from Cape Flattery south to Cape Alava (48°10'00" N. lat.) and east of 125°05'00" W. long.
- b. *Mandatory Yelloweye Rockfish Conservation Area* - The area in Washington Marine Catch Area 3 from 48°00.00' N. lat.; 125°14.00' W. long. to 48°02.00' N. lat.; 125°14.00' W. long. to 48°02.00' N. lat.; 125°16.50' W. long. to 48°00.00' N. lat.; 125°16.50' W. long. and connecting back to 48°00.00' N. lat.; 125°14.00' W. long.
- c. *Grays Harbor Control Zone* - The area defined by a line drawn from the Westport Lighthouse (46° 53'18" N. lat., 124° 07'01" W. long.) to Buoy #2 (46° 52'42" N. lat., 124°12'42" W. long.) to Buoy #3 (46° 55'00" N. lat., 124°14'48" W. long.) to the Grays Harbor north jetty (46° 55'36" N. lat., 124°10'51" W. long.).
- d. *Columbia Control Zone* - An area at the Columbia River mouth, bounded on the west by a line running northeast/southwest between the red lighted Buoy #4 (46°13'35" N. lat., 124°06'50" W. long.) and the green lighted Buoy #7 (46°15'09" N. lat., 124°06'16" W. long.); on the east, by the Buoy #10 line which bears north/south at 357° true from the south jetty at 46°14'00" N. lat., 124°03'07" W. long. to its intersection with the north jetty; on the north, by a line running northeast/southwest between the green lighted Buoy #7 to the tip of the north jetty (46°15'48" N. lat., 124°05'20" W. long.), and then along the north jetty to the point of intersection with the Buoy #10 line; and, on the south, by a line running northeast/southwest between the red lighted Buoy #4 and tip of the south jetty (46°14'03" N. lat., 124°04'05" W. long.), and then along the south jetty to the point of intersection with the Buoy #10 line.
- e. *Klamath Control Zone* - The ocean area at the Klamath River mouth bounded on the north by 41°38'48" N. lat. (approximately 6 nautical miles north of the Klamath River mouth); on the west by 124°23'00" W. long. (approximately 12 nautical miles off shore); and on the south by 41°26'48" N. lat. (approximately 6 nautical miles south of the Klamath River mouth).
- f. Waypoints for the 40 fathom regulatory line from Cape Falcon to Humbug Mt. (50 CFR 660.71 (k) (12)-(70).

45°46.00' N. lat., 124°04.49' W. long.;	44°51.28' N. lat., 124°10.21' W. long.;	44°08.30' N. lat., 124°16.75' W. long.;	43°10.96' N. lat., 124°32.33' W. long.;
45°44.34' N. lat., 124°05.09' W. long.;	44°49.49' N. lat., 124°10.90' W. long.;	44°01.18' N. lat., 124°15.42' W. long.;	43°05.65' N. lat., 124°31.52' W. long.;
45°40.64' N. lat., 124°04.90' W. long.;	44°44.96' N. lat., 124°14.39' W. long.;	43°51.61' N. lat., 124°14.68' W. long.;	42°59.66' N. lat., 124°32.58' W. long.;
45°33.00' N. lat., 124°04.46' W. long.;	44°43.44' N. lat., 124°14.78' W. long.;	43°42.66' N. lat., 124°15.46' W. long.;	42°54.97' N. lat., 124°36.99' W. long.;
45°32.27' N. lat., 124°04.74' W. long.;	44°42.26' N. lat., 124°13.81' W. long.;	43°40.49' N. lat., 124°15.74' W. long.;	42°53.81' N. lat., 124°38.57' W. long.;
45°29.26' N. lat., 124°04.22' W. long.;	44°41.68' N. lat., 124°15.38' W. long.;	43°38.77' N. lat., 124°15.64' W. long.;	42°50.00' N. lat., 124°39.68' W. long.;
45°20.25' N. lat., 124°04.67' W. long.;	44°34.87' N. lat., 124°15.80' W. long.;	43°34.52' N. lat., 124°16.73' W. long.;	42°49.13' N. lat., 124°39.70' W. long.;
45°19.99' N. lat., 124°04.62' W. long.;	44°33.74' N. lat., 124°14.44' W. long.;	43°28.82' N. lat., 124°19.52' W. long.;	42°46.47' N. lat., 124°38.89' W. long.;
45°17.50' N. lat., 124°04.91' W. long.;	44°27.66' N. lat., 124°16.99' W. long.;	43°23.91' N. lat., 124°24.28' W. long.;	42°45.74' N. lat., 124°38.86' W. long.;
45°11.29' N. lat., 124°05.20' W. long.;	44°19.13' N. lat., 124°19.22' W. long.;	43°20.83' N. lat., 124°26.63' W. long.;	42°44.79' N. lat., 124°37.96' W. long.;
45°05.80' N. lat., 124°05.40' W. long.;	44°15.35' N. lat., 124°17.38' W. long.;	43°17.96' N. lat., 124°28.81' W. long.;	42°45.01' N. lat., 124°36.39' W. long.;
45°05.08' N. lat., 124°05.93' W. long.;	44°14.38' N. lat., 124°17.78' W. long.;	43°16.75' N. lat., 124°28.42' W. long.;	42°44.14' N. lat., 124°35.17' W. long.;
45°03.83' N. lat., 124°06.47' W. long.;	44°12.80' N. lat., 124°17.18' W. long.;	43°13.97' N. lat., 124°31.99' W. long.;	42°42.14' N. lat., 124°32.82' W. long.;
45°01.70' N. lat., 124°06.53' W. long.;	44°09.23' N. lat., 124°15.96' W. long.;	43°13.72' N. lat., 124°33.25' W. long.;	42°40.50' N. lat., 124°31.98' W. long.;
44°58.75' N. lat., 124°07.14' W. long.;	44°08.38' N. lat., 124°16.79' W. long.;	43°12.26' N. lat., 124°34.16' W. long.;	

C. REQUIREMENTS, DEFINITIONS, RESTRICTIONS, OR EXCEPTIONS (continued)

C.6. Notification When Unsafe Conditions Prevent Compliance with Regulations: If prevented by unsafe weather conditions or mechanical problems from meeting special management area landing restrictions, vessels must notify the U.S. Coast Guard and receive acknowledgment of such notification prior to leaving the area. This notification shall include the name of the vessel, port where delivery will be made, approximate number of salmon (by species) on board, the estimated time of arrival, and the specific reason the vessel is not able to meet special management area landing restrictions.

In addition to contacting the U.S. Coast Guard, vessels fishing south of the Oregon/California border must notify CDFW within one hour of leaving the management area by calling 800-889-8346 and providing the same information as reported to the U.S. Coast Guard. All salmon must be offloaded within 24 hours of reaching port.

C.7. Incidental Halibut Harvest: During authorized periods, the operator of a vessel that has been issued an incidental halibut harvest license may retain Pacific halibut caught incidentally in Area 2A while trolling for salmon. Halibut retained must be no less than 32 inches in total length, measured from the tip of the lower jaw with the mouth closed to the extreme end of the middle of the tail, and must be landed with the head on. When halibut are caught and landed incidental to commercial salmon fishing by an IPHC license holder, any person who is required to report the salmon landing by applicable state law must include on the state landing receipt for that landing both the number of halibut landed, and the total dressed, head-on weight of halibut landed, in pounds, as well as the number and species of salmon landed.

License applications for incidental harvest must be obtained from the International Pacific Halibut Commission (phone: 206-634-1838). Applicants must apply prior to mid-March 2018 for 2018 permits (*exact date to be set by the IPHC in early 2018*). Incidental harvest is authorized only during April, May, and June of the 2018 troll seasons, and after June 30 in 2018 if quota remains and if announced on the NMFS hotline (phone: 800-662-9825 or 206-526-6667). WDFW, ODFW, and CDFW will monitor landings. If the landings are projected to exceed the IPHC's _____ pound preseason allocation or the total Area 2A non-Indian commercial halibut allocation, NMFS will take inseason action to prohibit retention of halibut in the non-Indian salmon troll fishery.

Alternative I - May 1, 2018 until the end of the 2018 salmon troll season, and April 1-30, 2019, license holders may land or possess no more than one Pacific halibut per three Chinook, except one Pacific halibut may be possessed or landed without meeting the ratio requirement, and no more than 20 halibut may be possessed or landed per trip. Pacific halibut retained must be no less than 32 inches in total length (with head on).

Alternative II - May 1, 2018 until the end of the 2018 salmon troll season, and April 1-30, 2019, license holders may land or possess no more than one Pacific halibut per three Chinook, except one Pacific halibut may be possessed or landed without meeting the ratio requirement, and no more than 30 halibut may be possessed or landed per trip. Pacific halibut retained must be no less than 32 inches in total length (with head on).

Alternative III - May 1, 2018 until the end of the 2018 salmon troll season, and April 1-30, 2019, license holders may land or possess no more than one Pacific halibut per two Chinook, except two Pacific halibut may be possessed or landed without meeting the ratio requirement, and no more than 35 halibut may be possessed or landed per trip. Pacific halibut retained must be no less than 32 inches in total length (with head on).

Incidental Pacific halibut catch regulations in the commercial salmon troll fishery adopted for 2018, prior to any 2018 inseason action, will be in effect when incidental Pacific halibut retention opens on April 1, 2019 unless otherwise modified by inseason action at the March 2019 Council meeting.

- a. "C-shaped" yelloweye rockfish conservation area is an area to be voluntarily avoided for salmon trolling. NMFS and the Council request salmon trollers voluntarily avoid this area in order to protect yelloweye rockfish. The area is defined in the Pacific Council Halibut Catch Sharing Plan in the North Coast subarea (Washington marine area 3), with the following coordinates in the order listed:

48°18' N. lat.; 125°18' W. long.;
 48°18' N. lat.; 124°59' W. long.;
 48°11' N. lat.; 124°59' W. long.;
 48°11' N. lat.; 125°11' W. long.;
 48°04' N. lat.; 125°11' W. long.;
 48°04' N. lat.; 124°59' W. long.;
 48°00' N. lat.; 124°59' W. long.;
 48°00' N. lat.; 125°18' W. long.;
 and connecting back to 48°18' N. lat.; 125°18' W. long.

C. REQUIREMENTS, DEFINITIONS, RESTRICTIONS, OR EXCEPTIONS (continued)

C.8. Inseason Management: In addition to standard inseason actions or modifications already noted under the season description, the following inseason guidance is provided to NMFS:

- a. Chinook remaining from the May through June non-Indian commercial troll harvest guideline north of Cape Falcon may be transferred to the July through September harvest guideline if the transfer would not result in exceeding preseason impact expectations on any stocks.
- b. Chinook remaining from the June or July non-Indian commercial troll quotas in the Oregon KMZ may be transferred to the Chinook quota for the July open period if the transfer would not result in exceeding preseason impact expectations on any stocks.
- c. NMFS may transfer salmon between the recreational and commercial fisheries north of Cape Falcon if there is agreement among the areas' representatives on the Salmon Advisory Subpanel (SAS), and if the transfer would not result in exceeding preseason impact expectations on any stocks.
- d. At the March 2019 meeting, the Council will consider inseason recommendations for special regulations for any experimental fisheries (proposals must meet Council protocol and be received in November 2018).
- e. If retention of unmarked coho (adipose fin intact) is permitted by inseason action, the allowable coho quota will be adjusted to ensure preseason projected impacts on all stocks is not exceeded.
- f. Landing limits may be modified inseason to sustain season length and keep harvest within overall quotas.
- g. Chinook remaining from the remaining May, June, and /or July non-Indian commercial troll quotas in the California KMZ may be transferred to the Chinook quota for the next open period if the transfer would not result in exceeding preseason impact expectations on any stocks.

C.9. State Waters Fisheries: Consistent with Council management objectives:

- a. The State of Oregon may establish additional late-season fisheries in state waters.
- b. The State of California may establish limited fisheries in selected state waters.
- c. Check state regulations for details.

C.10. For the purposes of California Fish and Game Code, Section 8232.5, the definition of the Klamath Management Zone (KMZ) for the ocean salmon season shall be that area from Humburg Mountain, Oregon, to Horse Mountain, California.

TABLE 2. 2018 Recreational management Alternatives for non-Indian ocean salmon fisheries - STT Analyzed. (Page 1 of 7)

Monday, March 12, 2018, 10:03 AM

A. SEASON ALTERNATIVE DESCRIPTIONS		
ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
North of Cape Falcon	North of Cape Falcon	North of Cape Falcon
Supplemental Management Information	Supplemental Management Information	Supplemental Management Information
<ol style="list-style-type: none"> Overall non-Indian TAC: 67,500 Chinook and 47,600 coho marked with a healed adipose fin clip (marked). Recreational TAC: 33,750 Chinook and 42,000 marked coho; all retained coho must be marked. A trade with commercial troll may be considered in April. No Area 4B add-on fishery. Buoy 10 fishery opens August 1 with an expected landed catch of 15,000 marked coho in August and September. Overall Chinook and/or coho TACs may need to be reduced or fisheries adjusted to meet NMFS ESA guidance, FMP requirements, upon conclusion of negotiations in the North of Falcon forum, or upon receipt of preseason catch and abundance expectations for Canadian and Alaskan fisheries. 	<ol style="list-style-type: none"> Overall non-Indian TAC: 55,000 Chinook and 35,000 coho marked with a healed adipose fin clip (marked). Recreational TAC: 27,500 Chinook and 29,400 marked coho; all retained coho must be marked. Trade: No Area 4B add-on fishery. Buoy 10 fishery opens August 1 with an expected landed catch of 20,000 marked coho in August and September. Overall Chinook and/or coho TACs may need to be reduced or fisheries adjusted to meet NMFS ESA guidance, FMP requirements, upon conclusion of negotiations in the North of Falcon forum, or upon receipt of preseason catch and abundance expectations for Canadian and Alaskan fisheries. 	<ol style="list-style-type: none"> Overall non-Indian TAC: 45,000 Chinook and 20,000 coho marked with a healed adipose fin clip (marked). Recreational TAC: 22,500 Chinook and 16,800 marked coho; all retained coho must be marked. Trade: No Area 4B add-on fishery. Buoy 10 fishery opens August 1 with an expected landed catch of 25,000 marked coho in August and September. Overall Chinook and/or coho TACs may need to be reduced or fisheries adjusted to meet NMFS ESA guidance, FMP requirements, upon conclusion of negotiations in the North of Falcon forum, or upon receipt of preseason catch and abundance expectations for Canadian and Alaskan fisheries.
<p>U.S./Canada Border to Cape Alava (Neah Bay)</p> <ul style="list-style-type: none"> June 23 through earlier of September 3 or 4,370 marked coho subarea quota with a subarea guideline of 5,950 Chinook (C.5). <p>Open seven days per week. All salmon, except no chum beginning August 1; two salmon per day. All coho must be marked with a healed adipose fin clip (C.1).</p> <p>Beginning August 1, Chinook non-retention east of the Bonilla-Tatoosh line (C.4.a) during Council managed ocean fishery. See gear restrictions and definitions (C.2, C.3). Inseason management may be used to sustain season length and keep harvest within the overall Chinook and coho recreational TACs for north of Cape Falcon (C.5).</p>	<p>U.S./Canada Border to Cape Alava (Neah Bay)</p> <ul style="list-style-type: none"> June 30 through earlier of September 3 or 3,060 marked coho subarea quota with a subarea guideline of 4,900 Chinook (C.5). <p>Same as Alternative 1</p> <p>Same as Alternative 1</p>	<p>U.S./Canada Border to Cape Alava (Neah Bay)</p> <ul style="list-style-type: none"> July 1 through earlier of September 3 or 1,750 marked coho subarea quota with a subarea guideline of 4,000 Chinook (C.5). <p>Open seven days per week. All salmon, except no chum beginning August 1; two salmon per day, no more than one of which may be a Chinook. All coho must be marked with a healed adipose fin clip (C.1).</p> <p>Same as Alternative 1</p>

A. SEASON ALTERNATIVE DESCRIPTIONS		
ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
<p>Cape Alava to Queets River (La Push Subarea)</p> <ul style="list-style-type: none"> June 23 through earlier of September 3 or 990 marked coho subarea quota with a subarea guideline of 1,800 Chinook (C.5) September 29 through earlier of October 14 or 100 marked coho quota or 100 Chinook quota (C.5) in the area north of 47°50'00" N. lat. and south of 48°00'00" N. lat. <p>Open seven days per week. All salmon, two salmon per day. All coho must be marked with a healed adipose fin clip (C.1). See gear restrictions and definitions (C.2, C.3).</p> <p>Inseason management may be used to sustain season length and keep harvest within the overall Chinook and coho recreational TACs for north of Cape Falcon (C.5).</p>	<p>Cape Alava to Queets River (La Push Subarea)</p> <ul style="list-style-type: none"> June 30 through earlier of September 3 or 660 marked coho subarea quota with a subarea guideline of 1,400 Chinook (C.5). September 29 through earlier of October 14 or 100 marked coho quota or 100 Chinook quota (C.5) in the area north of 47°50'00" N. lat. and south of 48°00'00" N. lat. <p>Same as Alternative 1</p> <p>Same as Alternative 1</p>	<p>Cape Alava to Queets River (La Push Subarea)</p> <ul style="list-style-type: none"> July 1 through earlier of September 3 or 440 marked coho subarea quota with a subarea guideline of 1,300 Chinook (C.5). <p>Open seven days per week. All salmon, two salmon per day, no more than one of which may be a Chinook. All coho must be marked with a healed adipose fin clip (see C.1). See gear restrictions and definitions (C.2, C.3).</p> <p>Same as Alternative 1</p>
<p>Queets River to Leadbetter Point (Westport Subarea)</p> <ul style="list-style-type: none"> July 1 through earlier of September 3 or 15,540 marked coho subarea quota with a subarea guideline of 16,000 Chinook (C.5). <p>Open seven days per week. All salmon; two salmon per day, no more than one of which may be a Chinook. All coho must be marked with a healed adipose fin clip (C.1).</p> <p>See gear restrictions and definitions (C.2, C.3). Grays Harbor Control Zone closed beginning August 13 (C.4.b). Inseason management may be used to sustain season length and keep harvest within the overall Chinook and coho recreational TACs for north of Cape Falcon (C.5).</p>	<p>Queets River to Leadbetter Point (Westport Subarea)</p> <ul style="list-style-type: none"> June 24 through earlier of September 3 or 10,880 marked coho subarea quota with a subarea guideline of 13,100 Chinook (C.5) <p>Open five days per week (Sunday through Thursday). All salmon; two salmon per day, no more than one of which may be a Chinook. All coho must be marked with a healed adipose fin clip (C.1).</p> <p>Same as Alternative 1</p>	<p>Queets River to Leadbetter Point (Westport Subarea)</p> <ul style="list-style-type: none"> July 1 through earlier of September 3 or 6,210 marked coho subarea quota with a subarea guideline of 10,600 Chinook <p>Open five days per week (Sunday through Thursday). All salmon; two salmon per day no more than one of which may be a Chinook. All coho must be marked with a healed adipose fin clip (C.1).</p> <p>Same as Alternative 1</p>
<p>Leadbetter Point to Cape Falcon (Columbia River Subarea)</p> <ul style="list-style-type: none"> June 23 through earlier of September 3 or 21,000 marked coho subarea quota with a subarea guideline of 9,900 Chinook (C.5). <p>Open seven days per week. All salmon; two salmon per day, no more than one of which may be a Chinook. All coho must be marked with a healed adipose fin clip (C.1). See gear restrictions and definitions (C.2, C.3). Columbia Control Zone closed (C.4.c). Inseason management may be used to sustain season length and keep harvest within the overall Chinook and coho recreational TACs for north of Cape Falcon (C.5).</p>	<p>Leadbetter Point to Cape Falcon (Columbia River Subarea)</p> <ul style="list-style-type: none"> June 30 through earlier of September 3 or 14,700 marked coho subarea quota with a subarea guideline of 8,000 Chinook (C.5). <p>Same as Alternative 1</p>	<p>Leadbetter Point to Cape Falcon (Columbia River Subarea)</p> <ul style="list-style-type: none"> July 1 through earlier of September 3 or 8,400 marked coho subarea quota with a subarea guideline of 6,600 Chinook (C.5). <p>Same as Alternative 1</p>

TABLE 2. 2018 Recreational management Alternatives for non-Indian ocean salmon fisheries - STT Analyzed. (Page 3 of 7)

Monday, March 12, 2018,10:03 AM

A. SEASON ALTERNATIVE DESCRIPTIONS		
South of Cape Falcon	South of Cape Falcon	South of Cape Falcon
ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
Supplemental Management Information	Supplemental Management Information	Supplemental Management Information
<ol style="list-style-type: none"> 1. Sacramento River fall Chinook spawning escapement of 102,983 hatchery and natural area adults. 2. Sacramento Index exploitation rate of 55.1%. 3. Klamath River recreational fishery allocation: 3,893 adult Klamath River fall Chinook. 4. Klamath tribal allocation: 25,956 adult Klamath River fall Chinook. 5. Overall recreational coho TAC: 20,000 coho marked with a healed adipose fin clip (marked), and 7,000 coho in the non-mark-selective coho fishery. 6. Fisheries may need to be adjusted to meet NMFS ESA consultation standards, FMP requirements, other management objectives, or upon receipt of new allocation recommendations from the CFGC. 	<ol style="list-style-type: none"> 1. Sacramento River fall Chinook spawning escapement of 122,762 hatchery and natural area adults. 2. Sacramento Index exploitation rate of 46.5%. 3. Klamath River recreational fishery allocation: 2,729 adult Klamath River fall Chinook. 4. Klamath tribal allocation: 18,195 adult Klamath River fall Chinook. 5. Overall recreational coho TAC: 40,000 coho marked with a healed adipose fin clip (marked). 6. Fisheries may need to be adjusted to meet NMFS ESA consultation standards, FMP requirements, other management objectives, or upon receipt of new allocation recommendations from the CFGC. 	<ol style="list-style-type: none"> 1. Sacramento River fall Chinook spawning escapement of 141,023 hatchery and natural area adults. 2. Sacramento Index exploitation rate of 38.5%. 3. Klamath River recreational fishery allocation: 1,907 adult Klamath River fall Chinook. 4. Klamath tribal allocation: 12,716 adult Klamath River fall Chinook. 5. Overall recreational coho TAC: 9,800 coho in the non-mark-selective coho fishery. 6. Fisheries may need to be adjusted to meet NMFS ESA consultation standards, FMP requirements, other management objectives, or upon receipt of new allocation recommendations from the CFGC.
<p>Cape Falcon to Humbug Mt.</p> <ul style="list-style-type: none"> • March 15-October 31 (C.6), except as provided below during the all-salmon mark-selective fishery and the non-mark-selective coho fishery (C.5). <p>Open seven days per week. All salmon except coho, two fish per day (C.1). Chinook minimum size limit of 24 inches total length (B). See gear restrictions and definitions (C.2, C.3).</p> <p>October 1-31: The fishery is only open shoreward of the 40 fathom management line.</p> <p>In 2019, the season will open March 15 for all salmon except coho, two salmon per day (C.1). Chinook minimum size limit of 24 inches total length (B); and the same gear restrictions as in 2018 (C.2, C.3).</p>	<p>Cape Falcon to Humbug Mt.</p> <ul style="list-style-type: none"> • March 15-October 31 (C.6), except as provided below during the all-salmon mark-selective coho fishery. <p>Same as Alternative 1</p> <p>September 4-October 31: The fishery is only open shoreward of the 40 fathom management line.</p> <p>In 2019, same as Alternative 1</p>	<p>Cape Falcon to Humbug Mt.</p> <ul style="list-style-type: none"> • March 15-October 31 (C.6), except as provided below during the all-salmon non-mark-selective coho fishery. <p>Same as Alternative 1</p> <p>Same as Alternative 1</p> <p>In 2019, same as Alternative 1</p>
Fishing in the Stonewall Bank yelloweye rockfish conservation area restricted to trolling only on days the all depth recreational halibut fishery is open (call the halibut fishing hotline 1-800-662-9825 for specific dates) (C.3.b, C.4.d).		

A. SEASON ALTERNATIVE DESCRIPTIONS		
ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
<p>Cape Falcon to Humbug Mt. All-salmon mark-selective coho fishery:</p> <ul style="list-style-type: none"> June 30 through the earlier of August 19, or a landed catch of 20,000 marked coho (C.6). <p>Open seven days per week. All salmon, two salmon per day. All retained coho must be marked with a healed adipose fin clip (C.1). See minimum size limits (B). See gear restrictions and definitions (C.2, C.3).</p> <p>Any remainder of the mark-selective coho quota may be transferred inseason on an impact neutral basis to the September non-selective coho quota from Cape Falcon to Humbug Mountain (C.5).</p> <p>Non-mark-selective coho fishery:</p> <ul style="list-style-type: none"> September 1 through the earlier of September 30, or a landed catch of a 7,000 non-mark-selective coho quota (C.6). <p>Open seven days per week. All salmon, two salmon per day (C.1). See minimum size limits (B). See gear restrictions and definitions (C.2, C.3).</p>	<p>Cape Falcon to Humbug Mt. All-salmon mark-selective coho fishery:</p> <ul style="list-style-type: none"> June 30 through the earlier of September 3, or a landed catch of 40,000 marked coho (C.6). <p>Open seven days per week. All salmon, two salmon per day. All retained coho must be marked with a healed adipose fin clip (C.1). See minimum size limits (B). See gear restrictions and definitions (C.2, C.3).</p>	<p>Cape Falcon to Humbug Mt.</p> <p>Non-mark-selective coho fishery:</p> <ul style="list-style-type: none"> September 1 through the earlier of September 30, or a landed catch of a 9,800 non-mark-selective coho quota (C.6). <p>Open seven days per week. All salmon, two salmon per day (C.1). See minimum size limits (B). See gear restrictions and definitions (C.2, C.3).</p>
Fishing in the Stonewall Bank yelloweye rockfish conservation area restricted to trolling only on days the all depth recreational halibut fishery is open (call the halibut fishing hotline 1-800-662-9825 for specific dates) (C.3.b, C.4.d).		
<p>Humbug Mt. to OR/CA Border (Oregon KMZ)</p> <ul style="list-style-type: none"> May 19 through August 26 (C.6). <p>Open seven days per week. All salmon except coho, two salmon per day (C.1). Chinook minimum size limit of 24 inches total length (B). See gear restrictions and definitions (C.2, C.3).</p>	<p>Humbug Mt. to OR/CA Border (Oregon KMZ)</p> <ul style="list-style-type: none"> June 1-17; July 1-15; August 4-12 (C.6). <p>Same as Alternative 1</p>	<p>Humbug Mt. to OR/CA Border (Oregon KMZ)</p> <ul style="list-style-type: none"> May 19-July 4 (C.6). <p>Same as Alternative 1</p>

TABLE 2. 2018 Recreational management Alternatives for non-Indian ocean salmon fisheries - STT Analyzed. (Page 5 of 7)

Monday, March 12, 2018,10:03 AM

A. SEASON ALTERNATIVE DESCRIPTIONS		
ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
OR/CA Border to Horse Mt. (California KMZ) <ul style="list-style-type: none"> • May 16-September 3 (C.6). Open seven days per week. All salmon except coho, two salmon per day (C.1). Chinook minimum size limit of 20 inches total length (B). See gear restrictions and definitions (C.2, C.3). Klamath Control Zone closed in August (C.4.e). See California State regulations for additional closures adjacent to the Smith, Eel, and Klamath Rivers.	OR/CA Border to Horse Mt. (California KMZ) <ul style="list-style-type: none"> • May 26-September 3 (C.6). Same as Alternative 1	OR/CA Border to Horse Mt. (California KMZ) <ul style="list-style-type: none"> • June 2-September 3 (C.6). Same as Alternative 1
Horse Mt. to Point Arena (Fort Bragg) <ul style="list-style-type: none"> • April 7-September 3 (C.6). Open seven days per week. All salmon except coho, two salmon per day (C.1). Chinook minimum size limit of 20 inches total length (B). See gear restrictions and definitions (C.2, C.3). In 2019, season opens April 6 for all salmon except coho, two salmon per day (C.1). Chinook minimum size limit of 20 inches total length (B); and the same gear restrictions as in 2018 (C.2, C.3).	Horse Mt. to Point Arena (Fort Bragg) <ul style="list-style-type: none"> • May 15-September 3 (C.6). Same as Alternative 1 In 2019, same as Alternative 1	Horse Mt. to Point Arena (Fort Bragg) <ul style="list-style-type: none"> • May 26-September 3 (C.6). Same as Alternative 1 In 2019, same as Alternative 1
Point Arena to Pigeon Point (San Francisco) <ul style="list-style-type: none"> • May 1-September 3; • October 1-31 (C.6). Open seven days per week. All salmon except coho, two salmon per day (C.1). Chinook minimum size limit of 20 inches total length (B). See gear restrictions and definitions (C.2, C.3). In 2019, season opens April 6 for all salmon except coho, two salmon per day (C.1). Chinook minimum size limit of 24 inches total length (B); and the same gear restrictions as in 2018 (C.2, C.3).	Point Arena to Pigeon Point (San Francisco) <ul style="list-style-type: none"> • May 15-October 15 (C.6). Same as Alternative 1 In 2019, same as Alternative 1	Point Arena to Pigeon Point (San Francisco) <ul style="list-style-type: none"> • May 26- September 30 (C.6). Same as Alternative 1 In 2019, same as Alternative 1
Pigeon Point to U.S./Mexico Border (Monterey) <ul style="list-style-type: none"> • April 7-September 3 (C.6). Open seven days per week. All salmon except coho, two salmon per day (C.1). Chinook minimum size limit of 24 inches total length (B). See gear restrictions and definitions (C.2, C.3). In 2019, season opens April 6 for all salmon except coho, two salmon per day (C.1). Chinook minimum size limit of 24 inches total length (B); and the same gear restrictions as in 2018 (C.2, C.3).	Pigeon Point to U.S./Mexico Border (Monterey) <ul style="list-style-type: none"> • April 7-August 12 (C.6). Same as Alternative 1 In 2019, same as Alternative 1	Pigeon Point to U.S./Mexico Border (Monterey) <ul style="list-style-type: none"> • April 7-July 31 (C.6). Same as Alternative 1 In 2019, same as Alternative 1
California State regulations require all salmon be made available to a CDFW representative for sampling immediately at port of landing. Any person in possession of a salmon with a missing adipose fin, upon request by an authorized agent or employee of the CDFW, shall immediately relinquish the head of the salmon to the State (California Code of Regulations Title 14 Section 1.73).		

B. MINIMUM SIZE (Inches) (See C.1)			
Area (when open)	Chinook	Coho	Pink
North of Cape Falcon	24	16	None
Cape Falcon to Humbug Mt.	24	16	None
Humbug Mt. to OR/CA Border	24	16	None
OR/CA Border to Horse Mt.	20	-	20
Horse Mt. to Pt. Arena	20	-	20
Pt. Arena to Pigeon Pt.	20	-	20
Pigeon Pt. to U.S./Mexico Border	24	-	24

C. REQUIREMENTS, DEFINITIONS, RESTRICTIONS, OR EXCEPTIONS

C.1. Compliance with Minimum Size and Other Special Restrictions: All salmon on board a vessel must meet the minimum size or other special requirements for the area being fished and the area in which they are landed if that area is open. Salmon may be landed in an area that is closed only if they meet the minimum size or other special requirements for the area in which they were caught. Salmon may not be filleted prior to landing.

Ocean Boat Limits: Off the coast of Washington, Oregon, and California, each fisher aboard a vessel may continue to use angling gear until the combined daily limits of Chinook and coho salmon for all licensed and juvenile anglers aboard have been attained (additional state restrictions may apply).

C.2. Gear Restrictions: Salmon may be taken only by hook and line using barbless hooks. All persons fishing for salmon, and all persons fishing from a boat with salmon on board, must meet the gear restrictions listed below for specific areas or seasons.

- a. *U.S./Canada Border to Pt. Conception, California*: No more than one rod may be used per angler; and no more than two single point, single shank barbless hooks are required for all fishing gear.
- b. *Horse Mt., California, to Pt. Conception, California*: Single point, single shank, barbless circle hooks (see gear definitions below) are required when fishing with bait by any means other than trolling, and no more than two such hooks shall be used. When angling with two hooks, the distance between the hooks must not exceed five inches when measured from the top of the eye of the top hook to the inner base of the curve of the lower hook, and both hooks must be permanently tied in place (hard tied). Circle hooks are not required when artificial lures are used without bait.

C.3. Gear Definitions:

- a. *Recreational fishing gear defined*: Off Oregon and Washington, angling tackle consists of a single line that must be attached to a rod and reel held by hand or closely attended; the rod and reel must be held by hand while playing a hooked fish. No person may use more than one rod and line while fishing off Oregon or Washington. Off California, the line must be attached to a rod and reel held by hand or closely attended; weights directly attached to a line may not exceed four pounds (1.8 kg). While fishing off California north of Pt. Conception, no person fishing for salmon, and no person fishing from a boat with salmon on board, may use more than one rod and line. Fishing includes any activity which can reasonably be expected to result in the catching, taking, or harvesting of fish.
- b. *Trolling defined*: Angling from a boat or floating device that is making way by means of a source of power, other than drifting by means of the prevailing water current or weather conditions.
- c. *Circle hook defined*: A hook with a generally circular shape and a point which turns inward, pointing directly to the shank at a 90° angle.

C. REQUIREMENTS, DEFINITIONS, RESTRICTIONS, OR EXCEPTIONS (continued)**C.4. Control Zone Definitions:**

- a. *The Bonilla-Tatoosh Line*: A line running from the western end of Cape Flattery to Tatoosh Island Lighthouse (48°23'30" N. lat., 124°44'12" W. long.) to the buoy adjacent to Duntze Rock (48°24'37" N. lat., 124°44'37" W. long.), then in a straight line to Bonilla Pt. (48°35'39" N. lat., 124°42'58" W. long.) on Vancouver Island, British Columbia.
- b. *Grays Harbor Control Zone* - The area defined by a line drawn from the Westport Lighthouse (46° 53'18" N. lat., 124° 07'01" W. long.) to Buoy #2 (46° 52'42" N. lat., 124°12'42" W. long.) to Buoy #3 (46° 55'00" N. lat., 124°14'48" W. long.) to the Grays Harbor north jetty (46° 55'36" N. lat., 124°10'51" W. long.).
- c. *Columbia Control Zone*: An area at the Columbia River mouth, bounded on the west by a line running northeast/southwest between the red lighted Buoy #4 (46°13'35" N. lat., 124°06'50" W. long.) and the green lighted Buoy #7 (46°15'09" N. lat., 124°06'16" W. long.); on the east, by the Buoy #10 line which bears north/south at 357° true from the south jetty at 46°14'00" N. lat., 124°03'07" W. long. to its intersection with the north jetty; on the north, by a line running northeast/southwest between the green lighted Buoy #7 to the tip of the north jetty (46°15'48" N. lat., 124°05'20" W. long. and then along the north jetty to the point of intersection with the Buoy #10 line; and on the south, by a line running northeast/southwest between the red lighted Buoy #4 and tip of the south jetty (46°14'03" N. lat., 124°04'05" W. long.), and then along the south jetty to the point of intersection with the Buoy #10 line.
- d. *Stonewall Bank Yelloweye Rockfish Conservation Area*: The area defined by the following coordinates in the order listed:
 44°37.46' N. lat.; 124°24.92' W. long.
 44°37.46' N. lat.; 124°23.63' W. long.
 44°28.71' N. lat.; 124°21.80' W. long.
 44°28.71' N. lat.; 124°24.10' W. long.
 44°31.42' N. lat.; 124°25.47' W. long.
 and connecting back to 44°37.46' N. lat.; 124°24.92' W. long.
- e. *Klamath Control Zone*: The ocean area at the Klamath River mouth bounded on the north by 41°38'48" N. lat. (approximately 6 nautical miles north of the Klamath River mouth); on the west by 124°23'00" W. long. (approximately 12 nautical miles off shore); and, on the south by 41°26'48" N. lat. (approximately 6 nautical miles south of the Klamath River mouth).

C.5. Inseason Management: Regulatory modifications may become necessary inseason to meet preseason management objectives such as quotas, harvest guidelines, and season duration. In addition to standard inseason actions or modifications already noted under the season description, the following inseason guidance is provided to NMFS:

- a. Actions could include modifications to bag limits, or days open to fishing, and extensions or reductions in areas open to fishing.
- b. Coho may be transferred inseason among recreational subareas north of Cape Falcon to help meet the recreational season duration objectives (for each subarea) after conferring with representatives of the affected ports and the Council's SAS recreational representatives north of Cape Falcon, and if the transfer would not result in exceeding preseason impact expectations on any stocks.
- c. Chinook and coho may be transferred between the recreational and commercial fisheries north of Cape Falcon if there is agreement among the representatives of the SAS, and if the transfer would not result in exceeding preseason impact expectations on any stocks.
- d. Fishery managers may consider inseason action modifying regulations restricting retention of unmarked (adipose fin intact) coho. To remain consistent with preseason expectations, any inseason action shall consider, if significant, the difference between observed and preseason forecasted (adipose-clipped) mark rates. Such a consideration may also include a change in bag limit of two salmon, no more than one of which may be a coho.
- e. Marked coho remaining from the Cape Falcon to Humbug Mt. recreational mark-selective coho quota may be transferred inseason to the Cape Falcon to Humbug Mt. non-mark-selective recreational fishery if the transfer would not result in exceeding preseason impact expectations on any stocks.

C.6. Additional Seasons in State Territorial Waters: Consistent with Council management objectives, the States of Washington, Oregon, and California may establish limited seasons in state waters. Check state regulations for details.

TABLE 3. 2018 Treaty Indian troll management Alternatives for ocean salmon fisheries - Tribe proposed. (Page 1 of 2) Monday, March 12, 2018, 10:05 AM

A. SEASON ALTERNATIVE DESCRIPTIONS		
ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
Supplemental Management Information	Supplemental Management Information	Supplemental Management Information
<p>1. Overall Treaty-Indian TAC: 50,000 Chinook and 40,000 coho.</p> <p>2. Overall Chinook and/or coho TACs may need to be reduced or fisheries adjusted to meet NMFS ESA guidance, FMP requirements, upon conclusion of negotiations in the North of Falcon forum, or upon receipt of preseason catch and abundance expectations for Canadian and Alaskan fisheries.</p>	<p>1. Overall Treaty-Indian TAC: 40,000 Chinook and 22,000 coho.</p> <p>2. Overall Chinook and/or coho TACs may need to be reduced or fisheries adjusted to meet NMFS ESA guidance, FMP requirements, upon conclusion of negotiations in the North of Falcon forum, or upon receipt of preseason catch and abundance expectations for Canadian and Alaskan fisheries.</p>	<p>1. Overall Treaty-Indian TAC: 30,000 Chinook and 12,500 coho.</p> <p>2. Overall Chinook and/or coho TAC may need to be reduced or fisheries adjusted to meet NMFS ESA guidance, FMP requirements, upon conclusion of negotiations in the North of Falcon forum, or upon receipt of preseason catch and abundance expectations for Canadian and Alaskan fisheries.</p>
<p>• May 1 through the earlier of June 30 or 25,000 Chinook quota.</p> <p>All salmon may be retained except coho. If the Chinook quota is exceeded, the excess will be deducted from the later all-salmon season (C.5). See size limit (B) and other restrictions (C).</p> <p>• July 1 through the earlier of September 15, or 25,000 Chinook quota, or 40,000 coho quota.</p> <p>All Salmon. See size limit (B) and other restrictions (C).</p>	<p>• May 1 through the earlier of June 30 or 20,000 Chinook quota.</p> <p>All salmon may be retained except coho. If the Chinook quota is exceeded, the excess will be deducted from the later all-salmon season (C.5). See size limit (B) and other restrictions (C).</p> <p>• July 1 through the earlier of September 15, or 20,000 Chinook quota or 22,000 coho quota</p> <p>All salmon. See size limit (B) and other restrictions (C).</p>	<p>• May 1 through the earlier of June 30 or 15,000 Chinook quota.</p> <p>All salmon may be retained except coho. If the Chinook quota is exceeded, the excess will be deducted from the later all-salmon season (C.5). See size limit (B) and other restrictions (C).</p> <p>• July 1 through the earlier of September 15, or 15,000 Chinook quota or 12,500 coho quota.</p> <p>All salmon. See size limit (B) and other restrictions (C).</p>

B. Minimum Length (total	Chinook		Coho		Pink	inches).
	Area (when open)	Total Length	Head-off	Total Length	Head-off	
	North of Cape Falcon	24.0 (61.0 cm)	18.0 (45.7 cm)	16.0 (40.6 cm)	12.0 (30.5 cm)	None

C. REQUIREMENTS, DEFINITIONS, RESTRICTIONS, OR EXCEPTIONS

- C.1. Tribe and Area Boundaries. All boundaries may be changed to include such other areas as may hereafter be authorized by a Federal court for that tribe's treaty fishery.
- S'KLALLAM - Washington State Statistical Area 4B (defined to include those waters of Puget Sound easterly of a line projected from the Bonilla Point light on Vancouver Island to the Tatoosh Island light, thence to the most westerly point on Cape Flattery and westerly of a line projected true north from the fishing boundary marker at the mouth of the Sekiu River [WAC 220-301-030]).
- MAKAH - Washington State Statistical Area 4B and that portion of the FMA north of 48°02'15" N. lat. (Norwegian Memorial) and east of 125°44'00" W. long.
- QUILEUTE - That portion of the FMA between 48°10'00" N. lat. (Cape Alava.) and 47°3'70" N. lat. (Queets River) and east of 125°44'00" W. long.
- HOH - That portion of the FMA between 47°54'18" N. lat. (Quillayute River) and 47°21'00" N. lat. (Quinault River) and east of 125°44'00" W. long.
- QUINAULT - That portion of the FMA between 47°40'06" N. lat. (Destruction Island) and 46°53'18"N. lat. (Point Chehalis) and east of 125°08'30" W. long.

C. REQUIREMENTS, DEFINITIONS, RESTRICTIONS, OR EXCEPTIONS (Continued)

C.2. Gear restrictions

- a. Single point, single shank, barbless hooks are required in all fisheries.
- b. No more than eight fixed lines per boat.
- c. No more than four hand held lines per person in the Makah area fishery (Washington State Statistical Area 4B and that portion of the FMA north of 48°02'15" N. lat. (Norwegian Memorial) and east of 125°44'00" W. long.)

C.3. Quotas

- a. The quotas include troll catches by the S'Klallam and Makah Tribes in Washington State Statistical Area 4B from May 1 through August 31.
- b. The Quileute Tribe will continue a ceremonial and subsistence fishery during the time frame of October 1 through October 15 in the same manner as in 2004-2015. Fish taken during this fishery are to be counted against treaty troll quotas established for the 2018 season (estimated harvest during the October ceremonial and subsistence fishery: 20 Chinook; 40 coho).

C.4. Area Closures

- a. The area within a six nautical mile radius of the mouths of the Queets River (47°31'42" N. lat.) and the Hoh River (47°45'12" N. lat.) will be closed to commercial fishing.
- b. A closure within two nautical miles of the mouth of the Quinault River (47°21'00" N. lat.) may be enacted by the Quinault Nation and/or the State of Washington and will not adversely affect the Secretary of Commerce's management regime.

C.5. Inseason Management: In addition to standard inseason actions or modifications already noted under the season description, the following inseason guidance is provided to NMFS:

- a. Chinook remaining from the May through June treaty-Indian ocean troll harvest guideline north of Cape Falcon may be transferred to the July through September harvest guideline on a fishery impact equivalent basis.

Table 5. Projected key stock escapements (thousands of fish) or management criteria for 2018 ocean fishery Alternatives - STT analyzed.^{a/} (Page 1 of 3)

Key Stock/Criteria	PROJECTED			2018
	Alt I	Alt II	Alt III	Criteria
CHINOOK	CHINOOK			CHINOOK
Columbia Upriver Brights	198.6	201.0	203.5	74.0 Minimum ocean escapement to attain 40.0 adults over McNary Dam, with normal distribution and no mainstem harvest.
Mid-Columbia Brights	39.8	40.3	40.8	14.9 Minimum ocean escapement to attain 7.9 for Little White Salmon egg-take, assuming average conversion and no mainstem harvest.
Columbia Lower River Hatchery Tules	61.5	62.7	63.8	25.0 Minimum ocean escapement to attain 14.8 adults for hatchery egg-take, with average conversion and no lower river mainstem or tributary harvest.
Columbia Lower River Natural Tules ^{c/} (threatened)	41.7%	39.7%	37.6%	≤ 38.0% Total adult equivalent fishery exploitation rate (2018 NMFS ESA guidance).
Columbia Lower River Wild ^{d/} (threatened)	7.5	7.7	7.7	6.9 Minimum ocean escapement to attain MSY spawner goal of 5.7 for N. Lewis River fall Chinook (NMFS ESA consultation standard).
Spring Creek Hatchery Tules	49.5	50.9	52.8	8.2 Minimum ocean escapement to attain 6.0 adults for Spring Creek Hatchery egg-take, assuming average conversion and no mainstem harvest.
Snake River Fall (threatened) SRFI	53.0%	49.0%	42.0%	≤ 70.0% Of 1988-1993 base period exploitation rate for all ocean fisheries (NMFS ESA consultation standard).
Klamath River Fall	33.6	42.3	46.5	40.7 2018 minimum natural area adult escapement (FMP control rule).
Federally recognized tribal harvest	50.0%	50.0%	50.0%	50.0% Equals 25.2, 16.7, and 12.6 (thousand) adult fish for Yurok and Hoopa Valley tribal fisheries.
Exploitation (spawner reduction) rate	43.8%	29.2%	22.1%	≤ 31.9% FMP control rule.
Adult river mouth return	88.2	92.0	94.0	NA Total adults in thousands.
Age-4 ocean harvest rate	16.5%	12.0%	9.7%	≤ 16.0% NMFS ESA consultation standard for threatened California Coastal Chinook.
KMZ sport fishery share	9.0%	11.2%	13.1%	NA Includes 0.0 (thousand) adult fish impacted in the KMZ sport fishery during fall (Sept-Dec) 2017.
River recreational fishery share	15.0%	15.0%	15.0%	NA Equals 3.8, 2.5, and 1.9 (thousand) adult fish for recreational inriver fisheries.
Sacramento River Winter (endangered)	13.8%	12.1%	10.4%	≤ 14.4% Age-3 ocean impact rate in fisheries south of Pt. Arena. In addition, the following season restrictions apply: <u>Recreational</u> - Pt. Arena to Pigeon Pt. between the first Saturday in April and the second Sunday in November; Pigeon Pt. to the U.S./Mexico border between the first Saturday in April and the first Sunday in October. Minimum size limit ≥ 20 inches total length. <u>Commercial</u> - Pt. Arena to the U.S./Mexico border between May 1 and September 30, except Pt. Reyes to Pt. San Pedro between October 1 and 15 (Monday-Friday). Minimum size limit ≥ 26 inches total length (NMFS 2018 ESA Guidance).
Sacramento River Fall	113.6	--	--	≥ 151.0 Alternative I: 2018 minimum hatchery and natural area adult escapement (Council guidance).
	--	140.5	--	≥ 165.0 Alternative II: 2018 minimum hatchery and natural area adult escapement (Council guidance).
	--	--	159.8	≥ 180.0 Alternative III: 2018 minimum hatchery and natural area adult escapement (Council guidance).
Sacramento Index Exploitation Rate	50.5%	38.8%	30.3%	≤ 46.8% FMP control rule.
Ocean commercial impacts	76.4	53.3	37.8	Includes fall (Sept-Dec) 2017 impacts (8.1 thousand SRFC).
Ocean recreational impacts	27.6	26.0	24.5	Includes fall 2017 impacts (3.2 thousand SRFC).
River recreational impacts	11.8	9.7	7.4	NA Equals 10.2%, 10.9%, and 10.7% of the total harvest.

TABLE 5. Projected key stock escapements (thousands of fish) or management criteria for 2018 ocean fishery management measures - STT Analyzed.^{a/} (Page 2 of 2)

Key Stock/Criteria	PROJECTED			2018	
	Alt I	Alt II	Alt III	Criteria	Spaw ner Objective or Other Comparative Standard as Noted ^{b/}
COHO	COHO			COHO	
Interior Fraser (Thompson River)	10.2%(5.0%)	8.2%(3.0%)	6.9%(1.7%)	≤ 10.0%	2018 Southern U.S. exploitation rate ceiling; PSC coho agreement.
Skagit	10.6%(4.8%)	8.7%(2.8%)	7.5%(1.6%)	≤ 35.0%	2018 total exploitation rate ceiling; FMP matrix ^{d/}
Stillaguamish	9.6%(3.3%)	8.4%(2.0%)	7.5%(1.1%)	≤ 35.0%	2018 total exploitation rate ceiling; FMP matrix ^{d/}
Snohomish	21.0%(3.3%)	19.8%(2.0%)	18.9%(1.1%)	≤ 40.0%	2018 total exploitation rate ceiling; FMP matrix ^{d/}
Hood Canal	43.1%(5.0%)	41.9%(3.1%)	41.1%(1.7%)	≤ 65.0%	2018 total exploitation rate ceiling; FMP matrix ^{d/}
Strait of Juan de Fuca	7.2%(4.3%)	5.3%(2.5%)	4.7%(1.8%)	≤ 20.0%	2018 total exploitation rate ceiling; FMP matrix ^{d/}
Quillayute Fall	10.0	10.1	10.3	6.3	FMP MSY adult spaw ner estimate. Value depicted is ocean escapement.
Hoh	5.0	5.2	5.4	2.0	FMP MSY adult spaw ner estimate. Value depicted is ocean escapement.
Queets Wild	5.9	6.1	6.3	5.8	FMP MSY adult spaw ner estimate. Value depicted is ocean escapement.
Grays Harbor	39.4	40.2	40.7	35.4	FMP MSY adult spaw ner estimate. Value depicted is ocean escapement.
Willapa Bay Natural	18.7	19.0	19.6	17.2	FMP MSY adult spaw ner estimate. Value depicted is ocean escapement.
Low er Columbia River Natural (threatened)	12.0%	10.0%	6.1%	≤ 18.0%	Total marine and mainstem Columbia R. fishery exploitation rate (2018 NMFS ESA guidance). Value depicted is marine ER before Buoy 10.
Upper Columbia ^{c/}	≥ 50%	≥ 50%	≥ 50%	≥ 50%	Minimum percentage of the run to Bonneville Dam.
Columbia River Hatchery Early	116.8	109.6	130.0	77.2	Minimum ocean escapement to attain hatchery egg-take goal of 21.7 early adult coho, with average conversion and no mainstem or tributary fisheries.
Columbia River Hatchery Late	83.7	85.3	101.2	9.7	Minimum ocean escapement to attain hatchery egg-take goal of 6.4 late adult coho, with average conversion and no mainstem or tributary fisheries.
Oregon Coastal Natural	19.5%	14.5%	15.8%	≤ 15.0%	Marine and freshw ater fishery exploitation rate (NMFS ESA consultation standard). Value depicted is ocean fishery exploitation rate.
Southern Oregon/Northern California Coast (threatened)	19.6%	15.9%	14.7%	≤ 13.0%	Marine fishery exploitation rate for R/K hatchery coho (NMFS ESA consultation standard).

a/ Projections in the table assume 2017 post season fishing effort scalars for coho in Canadian fisheries. Model results for Chinook in this table used 2017 preseason catches and fishing effort scalars, and are updated with 2017 post season data if available. Assumptions for these fisheries will be changed prior to the April meeting as new information becomes available.

b/ Ocean escapement is the number of salmon escaping ocean fisheries and entering freshw ater with the following clarifications. Numbers in parentheses represent Council area exploitation rates. For Columbia River early and late coho stocks, ocean escapement represents the number of coho after the Buoy 10 fishery. Exploitation rates for LCN coho include marine impacts before the Buoy10 fishery. Exploitation rates for OCN coho include impacts of freshw ater fisheries. Values reported for Klamath River fall Chinook are natural area adult spaw ners. Values reported for Sacramento River fall Chinook are hatchery and natural area adult spaw ners.

c/ Includes projected impacts of inriver fisheries that have not yet been shaped.

d/ Annual management objectives may be different than FMP goals, and are subject to agreement between WDFW and the treaty tribes under U.S. District Court orders. It is anticipated that fishery management will be adjusted by state and tribal comanagers during the preseason planning process to comply with stock management objectives.

e/ Includes minor contributions from East Fork Lewis River and Sandy River.

Table 7. Expected coastwide lower Columbia Natural (LCN) Oregon coastal natural (OCN) and Rogue/Klamath (RK) coho, and Lower Columbia River (LCR) tule Chinook exploitation rates by fishery for 2018 ocean fisheries management Alternatives - STT analyzed.

Fishery	Exploitation Rate (Percent)											
	LCN Coho			OCN Coho			RK Coho			LCR Tule Chinook		
	I	II	III	I	II	III	I	II	III	I	II	III
SOUTHEAST ALASKA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	2.0%	2.1%
BRITISH COLUMBIA	0.1%	0.1%	0.1%	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	13.2%	13.4%	13.7%
PUGET SOUND/STRAIT	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.3%	0.3%
NORTH OF CAPE FALCON												
Treaty Indian Ocean Troll	3.0%	1.6%	0.9%	0.7%	0.4%	0.2%	0.0%	0.0%	0.0%	2.7%	2.2%	1.7%
Recreational	3.0%	2.2%	1.1%	0.5%	0.4%	0.2%	0.0%	0.0%	0.0%	6.1%	5.2%	4.3%
Non-Indian Troll	1.1%	1.0%	0.6%	0.2%	0.2%	0.1%	0.0%	0.0%	0.0%	7.3%	6.1%	5.1%
SOUTH OF CAPE FALCON												
Recreational:										0.2%	0.2%	0.1%
Cape Falcon to Humbug Mt.	3.2%	3.6%	2.1%	8.3%	5.4%	7.9%	0.5%	0.5%	0.3%	-	-	-
Humbug Mt. to OR/CA border (KMZ)	0.1%	0.0%	0.0%	0.5%	0.2%	0.1%	1.0%	0.6%	0.2%	-	-	-
OR/CA border to Horse Mt. (KMZ)	0.2%	0.2%	0.2%	1.2%	1.1%	1.1%	5.6%	5.5%	5.3%	-	-	-
Fort Bragg	0.1%	0.1%	0.1%	1.0%	1.0%	1.0%	2.5%	2.5%	2.5%	-	-	-
South of Pt. Arena	0.1%	0.1%	0.1%	0.7%	0.7%	0.7%	1.8%	1.8%	1.7%	-	-	-
Troll:										1.6%	1.7%	1.3%
Cape Falcon to Humbug Mt.	0.6%	0.6%	0.5%	0.7%	0.7%	0.5%	0.1%	0.1%	0.1%	-	-	-
Humbug Mt. to OR/CA border (KMZ)	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.2%	0.2%	0.0%	-	-	-
OR/CA border to Horse Mt. (KMZ)	0.3%	0.3%	0.3%	1.5%	1.5%	1.5%	3.9%	3.9%	3.9%	-	-	-
Fort Bragg	0.1%	0.0%	0.0%	1.3%	0.2%	0.2%	3.2%	0.5%	0.4%	-	-	-
South of Pt. Arena	0.1%	0.1%	0.0%	0.8%	0.5%	0.2%	0.6%	0.2%	0.1%	-	-	-
BUOY 10	1.7%	2.5%	2.5%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%			
ESTUARY/FRESHWATER	na	na	na	1.5%	1.6%	1.5%	0.2%	0.2%	0.2%	8.4%	8.7%	9.0%
TOTAL	12.0%	10.0%	6.1%	19.5%	14.5%	15.8%	19.6%	15.9%	14.7%	41.7%	39.7%	37.6%

Table A-1. Sacramento River winter run Chinook age-3 ocean impact rate south of Pt. Arena by fishery and Alternative. The age-3 SRWC impact rate was projected for each of the proposed 2018 fishing season Alternatives. The impacts are displayed as a percent for each Alternative by fishery, port area, and month. Max rate: 14.4.

Commercial											Recreational										
Alternative I 13.8 Total											Alternative I										
Port										Year	Port										Year
Area	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total		Area	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SF		1.55	0.41		0.12	0.06			2.14		SF		0.90	1.20	1.83	0.74	0.01	0.23			4.90
MO	0.47								0.47		MO	0.82	0.60	1.15	2.66	1.03	0.01				6.25
Total	0.47	1.55	0.41		0.12	0.06			2.61		Total	0.82	1.49	2.35	4.49	1.77	0.02	0.23			11.15
Alternative II 12.1 Total											Alternative II										
Port										Year	Port										Year
Area	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total		Area	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SF		0.83		0.63	0.12	0.06			1.65		SF		0.49	1.21	1.86	0.76	0.10	0.11			4.53
MO	0.24								0.24		MO	0.82	0.60	1.15	2.70	0.41					5.67
Total	0.24	0.83		0.63	0.12	0.06			1.88		Total	0.82	1.09	2.36	4.56	1.16	0.10	0.11			10.19
Alternative III 10.4 Total											Alternative III										
Port										Year	Port										Year
Area	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total		Area	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
SF		0.84			0.13	0.06			1.03		SF		0.17	1.21	1.87	0.76	0.10				4.12
MO									NA		MO	0.82	0.60	1.16	2.71						5.28
Total		0.84			0.13	0.06			1.03		Total	0.82	0.77	2.38	4.58	0.76	0.10				9.41

SF Pt. Arena to Pigeon Pt. (San Francisco)
MO Pigeon Pt. to the U.S./Mexico Border (Monterey)

Table A-2. Klamath River fall Chinook ocean impacts in numbers of fish by fishery and Alternative.

Commercial											Recreational										
Alternative I											Alternative I										
33,599 natural area spawners, 43.8% spawner reduction rate, 16.5% age-4 ocean harvest rate																					
Port Area	Fall 2017		Summer 2018						Summer Total	Year Total	Port Area	Fall 2017			Summer 2018					Summer Total	Year Total
	Sep	Oct-Dec	Mar	Apr	May	Jun	Jul	Aug				Sep	Oct	Nov-Dec	Mar	Apr	May	Jun	Jul	Aug	
NO	0	0			82	36	89	375	582	582	NO	0	0		0	0	0	0	32	36	68
CO					174	214	557	1,954	2,899	2,899	CO	0	0	0	0	0	5	16	69	52	142
KO					39	200	507	143	889	889	KO		0				3	74	173	245	495
KC					1,751	1,560	619	685	4,615	4,615	KC						180	485	455	423	1,543
FB	195							4,407	2,082	6,489	FB	0	0	0		10	69	171	279	65	594
SF	36	0					3,205	1,395		4,600	SF	0	0				49	177	208	11	445
MO					355				355	355	MO					48	10	18	40	5	121
Total	231	0			2,400	5,214	7,575	5,239	20,428	20,659	Total	0	0	0	0	59	317	941	1,256	836	3,409
Alternative II											Alternative II										
42,277 natural area spawners, 29.2% spawner reduction rate, 12.0% age-4 ocean harvest rate																					
Port Area	Fall 2017		Summer 2018						Summer Total	Year Total	Port Area	Fall 2017			Summer 2018					Summer Total	Year Total
	Sep	Oct-Dec	Mar	Apr	May	Jun	Jul	Aug				Sep	Oct	Nov-Dec	Mar	Apr	May	Jun	Jul	Aug	
NO	0	0			101	46	116	266	529	529	NO	0	0		0	0	0	0	32	55	87
CO					216	267	725	1,381	2,589	2,589	CO	0	0	0	0	0	5	16	69	61	151
KO					48	200	507	142	897	897	KO		0					42	85	88	215
KC					1,751	1,560	619	685	4,615	4,615	KC						68	486	458	440	1,452
FB	195							1,717	1,717	1,912	FB	0	0	0			38	171	281	67	557
SF	36	0					1,711	570	2,281	2,317	SF	0	0				27	177	210	11	425
MO					178				178	178	MO					48	10	18	40	2	118
Total	231	0			2,293	3,783	1,968	4,762	12,806	13,037	Total	0	0	0	0	48	147	910	1,176	724	3,005
Alternative III											Alternative III										
46,539 natural area spawners, 22.1% spawner reduction rate, 9.7% age-4 ocean harvest rate																					
Port Area	Fall 2017		Summer 2018						Summer Total	Year Total	Port Area	Fall 2017			Summer 2018					Summer Total	Year Total
	Sep	Oct-Dec	Mar	Apr	May	Jun	Jul	Aug				Sep	Oct	Nov-Dec	Mar	Apr	May	Jun	Jul	Aug	
NO	0	0			69	27	138	728	962	962	NO	0	0		0	0	0	0	1	11	12
CO					146	161			307	307	CO	0	0	0	0	0	5	14	13	42	74
KO					32				32	32	KO		0				3	75	23		101
KC					1,751	1,560	619	685	4,615	4,615	KC							470	460	445	1,375
FB	195							1,420	1,420	1,615	FB	0	0	0			13	171	282	68	534
SF	36	0					1,715		1,715	1,751	SF	0	0				10	178	210	11	409
MO											MO					48	10	18	40		116
Total	231	0			1,998	3,463	757	2,833	9,051	9,282	Total	0	0	0	0	48	41	925	1,030	577	2,621
NO Cape Falcon to S. End of Heceta Bank											FB Horse Mt. to Pt. Arena (Fort Bragg)										
CO S. End of Heceta Bank to Humbug Mt.											SF Pt. Arena to Pigeon Pt. (San Francisco)										
KO Humbug Mt. to OR/CA Border (Oregon KMZ)											MO Pigeon Pt. to U.S./Mexico Border (Monterey)										
KC OR/CA Border to Horse Mt. (California KMZ)																					

Table A-3. Sacramento River fall Chinook ocean impacts in numbers of fish of by fishery and Alternative.

Commercial											Recreational										
Alternative I 104,022 Total											Alternative I										
Port Area	Fall 2017		Summer 2018						Summer Total	Year Total	Port Area	Fall 2017		Summer 2018						Summer Total	Year Total
	Sep	Oct-Dec	Mar	Apr	May	Jun	Jul	Aug				Sep	Oct	Nov-Dec	Mar	Apr	May	Jun	Jul	Aug	
NO	0	0			1,710	1,128	1,686	2,361	6,885	6,885	NO	37	0		4	2	4	9	154	95	268
CO		0			1,427	1,539	865	1,377	5,208	5,208	CO	0	0	0	1	2	6	41	181	189	420
KO		0			303	342	547	85	1,277	1,277	KO		0				41	103	189	117	450
KC					1,102	558	561	295	2,516	2,516	KC						372	556	545	397	1,870
FB	934						8,184	5,052	13,236	14,170	FB	225	0	0		109	313	587	1,206	412	2,627
SF	6,229	891				22,616	6,488		29,104	36,224	SF	2,341	548				1,862	2,709	5,348	3,007	12,926
MO					10,147				10,147	10,147	MO					2,614	870	962	1,248	187	5,881
Total	7,163	891			14,689	26,183	18,330	9,170	68,372	76,426	Total	2,603	548		5	2,727	3,469	4,968	8,871	4,405	24,445
Alternative II 79,283 Total											Alternative II										
Port Area	Fall 2017		Summer 2018						Summer Total	Year Total	Port Area	Fall 2017		Summer 2018						Summer Total	Year Total
	Sep	Oct-Dec	Mar	Apr	May	Jun	Jul	Aug				Sep	Oct	Nov-Dec	Mar	Apr	May	Jun	Jul	Aug	
NO	0	0			2,120	1,410	2,177	1,610	7,317	7,317	NO	37	0		4	2	4	9	154	138	311
CO		0			1,770	1,924	1,117	939	5,750	5,750	CO	0	0	0	1	2	6	41	181	216	447
KO		0			375	342	547	85	1,349	1,349	KO		0				58	92	41	41	191
KC					1,102	558	561	295	2,516	2,516	KC						140	556	545	397	1,638
FB	934							4,022	4,022	4,956	FB	225	0	0			172	587	1,206	412	2,377
SF	6,229	891				12,062		7,175	19,237	26,357	SF	2,341	548				1,021	2,709	5,348	3,007	12,085
MO					5,073				5,073	5,073	MO					2,614	870	962	1,248	72	5,766
Total	7,163	891			10,441	16,296	4,402	14,125	45,264	53,318	Total	2,603	548		5	2,618	2,212	4,923	8,773	4,283	22,814
Alternative III 62,209 Total											Alternative III										
Port Area	Fall 2017		Summer 2018						Summer Total	Year Total	Port Area	Fall 2017		Summer 2018						Summer Total	Year Total
	Sep	Oct-Dec	Mar	Apr	May	Jun	Jul	Aug				Sep	Oct	Nov-Dec	Mar	Apr	May	Jun	Jul	Aug	
NO	0	0			1,436	846	2,575	4,358	9,215	9,215	NO	37	0		4	2	4	7	7	28	52
CO		0			1,199	1,155			2,354	2,354	CO	0	0	0	1	2	6	35	35	146	225
KO		0			254				254	254	KO		0				41	103	24		168
KC					1,102	558	561	295	2,516	2,516	KC							537	545	397	1,479
FB	934							3,295	3,295	4,229	FB	225	0	0			61	587	1,206	412	2,266
SF	6,229	891				12,062			12,062	19,182	SF	2,341	548				360	2,709	5,348	3,007	11,424
MO											MO					2,614	870	962	1,248		5,694
Total	7,163	891			3,992	14,620	3,136	7,948	29,696	37,750	Total	2,603	548		5	2,618	1,342	4,941	8,412	3,990	21,308

NO Cape Falcon to S. End of Heceta Bank
 CO S. End of Heceta Bank to Humbug Mt.
 KO Humbug Mt. to OR/CA Border (Oregon KMZ)
 KC OR/CA Border to Horse Mt. (California KMZ)
 FB Horse Mt. to Pt. Arena (Fort Bragg)
 SF Pt. Arena to Pigeon Pt. (San Francisco)
 MO Pigeon Pt. to U.S./Mexico Border (Monterey)