

SALMON TECHNICAL TEAM REPORT 1

*Collation of Preliminary Salmon Management Alternatives for
2020 Ocean Fisheries*

March 9, 2020

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 #: Coho2012, Chinook1020	Model #: Coho2013, Chinook1120	Model #: Coho2014, Chinook1220
<p>1. Overall non-Indian TAC: 60,000 Chinook and 35,000 coho marked with a healed adipose fin clip (marked).</p> <p>2. Non-Indian commercial troll TAC: 30,000 Chinook and 5,600 marked coho.</p> <p>3. Trade: May be considered at the April Council meeting.</p> <p>4. 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 non-Indian TAC: 45,000 Chinook and 25,000 coho marked with a healed adipose fin clip (marked).</p> <p>2. Non-Indian commercial troll TAC: 22,875 Chinook and 2,500 marked coho.</p> <p>3. Trade: Commercial troll traded 1,500 marked coho to the recreational fishery for 375 Chinook.</p> <p>4. Same as Alternative 1</p>	Closed
<p>U.S./Canada Border to Cape Falcon</p> <ul style="list-style-type: none"> May 6 through the earlier of June 28, or 20,000 Chinook. No more than 7,390 of which may be caught in the area between the U.S./Canada border and the Queets River, and no more than 5,450 of which may be caught in the area between Leadbetter Pt. and Cape Falcon (C.8). <p>Open seven days per week (C.1).</p> <p>In the area between the U.S./Canada border and the Queets River, the landing and possession limit is 75 Chinook per vessel per landing week (Thurs.-Wed.) (C.1, C.6).</p> <p>In the area between Leadbetter Pt. and Cape Falcon, the landing and possession limit is 75 Chinook per vessel per landing week (Thurs.-Wed.) (C.1, C.6).</p> <p><i>(Continued next page)</i></p>	<p>U.S./Canada Border to Cape Falcon</p> <ul style="list-style-type: none"> May 6 through the earlier of May 12, or 11,500 Chinook no more than 4,250 of which may be caught in the area between the U.S./Canada border and the Queets River, and no more than 3,140 of which may be caught in the area between Leadbetter Pt. and Cape Falcon (C.8). <p>In the area between the U.S./Canada border and the Queets River, the landing and possession limit is 100 Chinook per vessel per open period (C.1, C.6).</p> <p>In the area between the Queets River and Leadbetter Pt., the landing and possession limit is 200 Chinook per vessel per open period (C.1, C.6).</p> <p>In the area between Leadbetter Pt. and Cape Falcon, the landing and possession limit is 100 Chinook per vessel per open period (C.1, C.6).</p> <p><i>(Continued next page)</i></p>	<p>U.S./Canada Border to Cape Falcon</p> <ul style="list-style-type: none"> Closed <p><i>(Continued next page)</i></p>

A. SEASON ALTERNATIVE DESCRIPTIONS		
ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
<p>U.S./Canada Border to Cape Falcon (continued)</p> <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 any of the individual Chinook subarea guidelines have been landed, inseason action will be considered to ensure the guideline is not exceeded.</p> <p>In 2021, the season will open May 1 for all salmon except coho consistent with preseason regulations as described for this area and subareas for May 6-June 30, 2020, including subarea salmon guidelines and weekly vessel limits. These regulations would apply from the opening of the fishery on May 1, 2021, until modified following Council review at its March and/or April 2021 meetings. Catch during this opening will be counted towards quotas set for this area and subareas at the April 2021 meeting.</p>	<p>U.S./Canada Border to Cape Falcon (continued)</p> <ul style="list-style-type: none"> • May 15 through the earlier of June 30, or 11,500 Chinook. No more than 4,250 of which may be caught in the area between the U.S./Canada border and the Queets River, and no more than 3,140 of which may be caught in the area between Leadbetter Pt. and Cape Falcon (C.8). <p>Open five days per week (Fri.-Tue.) (C.1).</p> <p>In the area between the U.S./Canada border and the Queets River, the landing and possession limit is 50 Chinook per vessel per open period (Fri.-Tue.) (C.1, C.6).</p> <p>In the area between the Queets River and Leadbetter Pt., the landing and possession limit is 200 Chinook per open period (Fri.-Tue.) (C.1, C.6).</p> <p>In the area between Leadbetter Pt. and Cape Falcon, the landing and possession limit is 50 Chinook per vessel per open period (Fri.-Tue.) (C.1, C.6).</p> <p>For all open periods: 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 50% of the overall Chinook guideline has been landed, or approximately 50% of any of the individual Chinook subarea guidelines have been landed, inseason action will be considered to ensure the guideline is not exceeded.</p> <p>In 2021, same as Alternative 1</p>	<p>U.S./Canada Border to Cape Falcon (continued)</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 through the earlier of September 30, or 10,000 Chinook or 5,600 coho (C.8). <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>In the area between the U.S./Canada border and the Queets River, the landing and possession limit is 60 Chinook per vessel per landing week (Thurs.-Wed.) (C.1, C.6).</p> <p>In the area between the Queets River and Leadbetter Pt., the landing and possession limit is 100 Chinook per vessel per landing week (Thurs.-Wed.) (C.1, C.6).</p> <p>In the area between Leadbetter Pt. and Cape Falcon, the landing and possession limit is 60 Chinook per vessel per landing week (Thurs.-Wed.) (C.1, C.6).</p> <p>Landing and possession limit of 20 marked coho per vessel per landing week (Thurs.-Wed.) (C.1).</p>	<p>U.S./Canada Border to Cape Falcon</p> <ul style="list-style-type: none"> July 3 through the earlier of September 29, or 11,375 Chinook or 2,500 coho (C.8). <p>Open five days per week (Fri.-Tue.). 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>Landing and possession limit of 10 marked coho per vessel per open period (Fri.-Tue.) (C.1).</p>	<p>U.S./Canada Border to Cape Falcon</p> <ul style="list-style-type: none"> Closed
<p>For all commercial troll fisheries north of Cape Falcon:</p> <p>Mandatory closed areas include: Salmon troll Yelloweye Rockfish Conservation Area, Cape Flattery, and Columbia Control Zones, and beginning August 10, the Grays Harbor Control Zone (C.5). Vessels must land and deliver their salmon within 24 hours of any closure of this fishery.</p> <p>Vessels fishing or in possession of salmon <u>north</u> 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. <u>For delivery to Washington ports south of Leadbetter Point</u>, vessels must notify the Washington Department of Fish and Wildlife at 360-249-1215 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 (C.11).</p> <p>Vessels fishing or in possession of salmon while fishing <u>south</u> 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 to 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 nfallcon.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 <u>north of the Queets River</u> 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. 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 (C.11).</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 228,346 hatchery and natural area adults. 2. Sacramento Index exploitation rate of 51.7%. 3. Klamath River recreational fishery allocation: 1,291 adult Klamath River fall Chinook. 4. Klamath tribal allocation: 8,606 adult Klamath River fall Chinook. 5. CA/OR share of Klamath River fall Chinook commercial ocean harvest: 60% / 40%. 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 222,636 hatchery and natural area adults. 2. Sacramento Index exploitation rate of 52.9%. 3. Klamath River recreational fishery allocation: 1,285 adult Klamath River fall Chinook. 4. Klamath tribal allocation: 8,568 adult Klamath River fall Chinook. 5. CA/OR share of Klamath River fall Chinook commercial ocean harvest: 61% / 39%. 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 234,075 hatchery and natural area adults. 2. Sacramento Index exploitation rate of 50.5%. 3. Klamath River recreational fishery allocation: 801 adult Klamath River fall Chinook. 4. Klamath tribal allocation: 5,342 adult Klamath River fall Chinook. 5. CA/OR share of Klamath River fall Chinook commercial ocean harvest: 58% / 42%. 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"> • April 15-30; • May 6-31; • June 6-30; • July 6-31; • August 1-24; • 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).</p> <p>Beginning September 1, no more than 75 Chinook allowed per vessel per landing week (Thurs.-Wed.).</p> <p>In 2021, the season will open March 15 for all salmon except coho. Chinook minimum size limit of 28 inches total length (B, C.1). Gear and other restrictions same as in 2020 (C.2, C.3, C.4). This opening could be modified following Council review at its March 2021 meetings (C.8).</p>	<p>Cape Falcon to Humbug Mt.</p> <ul style="list-style-type: none"> • April 15-30; • May 1-26; • June 6-30; • July 6-31; • August 1-25; • September 1-October 31 (C.9.a). <p>Same as Alternative</p> <p>Same as Alternative 1</p> <p>In 2021, same as Alternative 1</p>	<p>Cape Falcon to Humbug Mt.</p> <ul style="list-style-type: none"> • May 6-31; • June 6-30; • July 6-31; • August 1-6; • August 7-18 only open from Cape Falcon to the south end of Heceta Bank (43°58'00" N lat.). Closed from the south end of Heceta Bank to Humbug Mt. • September 1-30 (C.9.a). <p>Same as Alternative 1</p> <p>Same as Alternative 1</p> <p>In 2021, same as Alternative 1</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"> • April 15-30; • May 6 through the earlier of May 31, or a 500 Chinook quota; • June 6 through the earlier of June 30, or a 700 Chinook quota; • July 6 through the earlier of July 31, or a 300 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 May 1, all salmon caught in this area must be landed and delivered in the State of Oregon.</p> <p>May 6-July 31 weekly landing and possession limit of 40 Chinook per vessel per landing week (Thurs.-Wed.). Any remaining portion of Chinook quotas may be transferred inseason on an impact neutral basis to the next open quota period (C.8.b).</p> <p>All vessels fishing in this area during May, June, and July, 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 (May, June, and July), 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 2021, the season will open March 15 for all salmon except coho. Chinook minimum size limit of 28 inches total length (B; C.1). Gear restrictions same as in 2020 (C.2; C.3; C.4). This season would open without quota or weekly landing limits unless modified following Council review at its March 2021 meeting (C.8).</p>	<p>Humbug Mt. to OR/CA Border (Oregon KMZ)</p> <ul style="list-style-type: none"> • April 15-30; • May 1-26; • June 6 through the earlier of June 30, or a 500 Chinook quota (C.9.a). <p>Same as Alternative 1</p> <p>June 6-30 weekly landing and possession limit of 40 Chinook per vessel per landing week (Thurs.-Wed.).</p> <p>All vessels fishing in this area during June 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 June quota managed season, 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 2021, same as Alternative 1</p>	<p>Humbug Mt. to OR/CA Border (Oregon KMZ)</p> <ul style="list-style-type: none"> • May 6-31 (C.9.a). <p>Same as Alternative 1</p> <p>Same as Alternative 1</p> <p>Same as Alternative 1</p> <p>In 2021, same as Alternative 1</p>

A. SEASON ALTERNATIVE DESCRIPTIONS		
ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
<p>OR/CA Border to Humboldt South Jetty (California KMZ) • Closed (C.9.b).</p> <p>In 2021, the season will open May 1 through the earlier of May 31, or a 3,000 Chinook quota. Chinook minimum size limit of 27 inches total length. Compliance requirements, open periods, gear restrictions and definitions, and landing and possession limits the same as 2020 Alternative II. Klamath Control Zone closed (C.5.e). See California State regulations for additional closures adjacent to the Smith and Klamath rivers. This opening could be modified following Council review at its March or April 2021 meetings.</p>	<p>OR/CA Border to Humboldt South Jetty (California KMZ) • June 1 through the earlier of June 30, or a 1,500 Chinook quota; • July 1 through the earlier of July 30, or a 1,250 Chinook quota; • August 1 through the earlier of August 29, or a 1,000 Chinook quota (C.9.b).</p> <p>Landing and possession limit of 20 Chinook per vessel per day (C.8.f).</p> <p>Open five days per week (Fri.-Tue.). All salmon except coho (C.4, C.7). Chinook minimum size limit of 28 inches total length (B, C.1).</p> <p>Any remaining portion of Chinook quotas may be transferred inseason on an impact neutral basis to the next open quota period (C.8.b).</p> <p>All fish caught in this area must be landed within the area, 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> <p>In 2021, same as Alternative 1</p>	<p>OR/CA Border to Humboldt South Jetty (California KMZ) • Closed (C.9.b).</p> <p>In 2021, same as Alternative 1</p>
<p>Humboldt South Jetty to Horse Mt. Closed.</p>	<p>Humboldt South Jetty to Horse Mt. Closed.</p>	<p>Humboldt South Jetty to Horse Mt. Closed.</p>

A. SEASON ALTERNATIVE DESCRIPTIONS		
ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
<p>Horse Mt. to Point Arena (Fort Bragg)</p> <ul style="list-style-type: none"> • August 1-28; • September 1-30 (C.9.b). <p>Open seven days per week. All salmon except coho (C.4, C.7). See compliance requirements (C.1) and gear restrictions and definitions (C.2, C.3). All salmon must be landed in California and north of Point Arena (C.6).</p> <p>Chinook minimum size limit of 28 inches total length through August, then 27 inches total length thereafter (B, C.1).</p> <p>All salmon caught in the area prior to September 1 must be landed and off-loaded no later than 11:59 p.m., August 30 (C.6).</p> <p>In 2021, the season will open April 15 for all salmon except coho. Chinook minimum size limit of 27 inches total length. Gear restrictions same as in 2020. This opening could be modified following Council review at its March or April 2021 meetings.</p>	<p>Horse Mt. to Point Arena (Fort Bragg)</p> <ul style="list-style-type: none"> • September 1-30 (C.9.b). <p>Same as Alternative 1</p> <p>Chinook minimum size limit of 27 inches total length (B, C.1).</p> <p>In 2021, same as Alternative 1</p>	<p>Horse Mt. to Point Arena (Fort Bragg)</p> <ul style="list-style-type: none"> • September 1-30 (C.9.b). <p>Same as Alternative 1</p> <p>Chinook minimum size limit of 27 inches total length (B, C.1).</p> <p>In 2021, same as Alternative 1</p>
<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).</p>		

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"> • May 7-29; • June 10-30; • July 15-28; • August 1-28; • 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 27 inches total length through August, then 26 inches thereafter (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 prior to September 1 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>In 2021, the season will open May 1 for all salmon except coho. Chinook minimum size limit of 27 inches total length. Gear restrictions same as in 2020. This opening could be modified following Council review at its March or April 2021 meetings.</p> <p>Point Reyes to Point San Pedro (Fall Area Target Zone)</p> <ul style="list-style-type: none"> • October 1-2, 5-9, 12-15. <p>Open five days per week (Mon.-Fri.). 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"> • May 6-28; • June 4-30; • July 11-22; • August 1-28; • September 1-30 (C.9.b). <p>Same as Alternative 1</p> <p>Same as Alternative 1</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 48 hours (C.6).</p> <p>In 2021, 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"> • May 6-31; • June 12-30; • August 1-20; • September 1-30 (C.9.b). <p>Same as Alternative 1</p> <p>Same as Alternative 1</p> <p>In 2021, 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

A. SEASON ALTERNATIVE DESCRIPTIONS		
ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
<p>Pigeon Point to U.S./Mexico Border (Monterey)</p> <ul style="list-style-type: none"> • May 1-29; • June 10-30; • July 15-28; • August 1-28 (C.9.b). <p>Open seven days per week. All salmon except coho (C.4, C.7). Chinook minimum size limit of 27 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 prior to September 1 must be landed and offloaded no later than 11:59 p.m., August 30 (C.6).</p> <p>In 2021, the season will open May 1 for all salmon except coho. Chinook minimum size limit of 27 inches total length. Gear restrictions same as in 2020. This opening could be modified following Council review at its March or April 2021 meeting.</p>	<p>Pigeon Point to U.S./Mexico Border (Monterey)</p> <ul style="list-style-type: none"> • May 1-28; • June 1-30; • July 11-22; • August 1-28 (C.9.b). <p>Same as Alternative 1</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 48 hours (C.6).</p> <p>Same as Alternative 1</p> <p>In 2021, same as Alternative 1</p>	<p>Pigeon Point to U.S./Mexico Border (Monterey)</p> <ul style="list-style-type: none"> • May 1-28; • June 1-30; • July 12-31; • August 1-28 (C.9.b). <p>Same as Alternative 1</p> <p>Same as Alternative 1</p> <p>In 2021, same as Alternative 1</p>
<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 (Alt. II)	28	21.5	-	-	28
Horse Mt. to Pt. Arena through August (Alt. I)	28	21.5			28
Horse Mt. to Pt. Arena (Alt. II, Alt. III), and after August in Alt I.	27	20.5		-	27
Pt. Arena to Pigeon Pt. through August	27	20.5		-	27
Pt. Arena to Pigeon Pt. September-October	26	19.5		-	26
Pigeon Pt. to U.S./Mexico Border	27	20.5	-	-	27

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 2020 for 2020 permits (*exact date to be set by the IPHC in early 2020*). Incidental harvest is authorized only during April, May, and June of the 2020 troll seasons, and after June 30 in 2020 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 44,899 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.

All alternatives are for the time period of May 1, 2020 through the end of the 2020 salmon troll fishery, and April 1-30, 2021 with the exception that the alternatives would be in place until modified through inseason action or superseded by the 2021 management measures.

Alternative I – (status quo) license holders may land no more than one Pacific halibut per each two Chinook, except one Pacific halibut may be landed without meeting the ratio requirement, and no more than 35 halibut landed per trip.

Alternative II – license holders may land no more than one Pacific halibut per each two Chinook, except one Pacific halibut may be landed without meeting the ratio requirement, and no more than 30 halibut landed per trip.

Alternative III - license holders may land no more than one Pacific halibut per each two Chinook, except one Pacific halibut may be landed without meeting the ratio requirement, and no more than 25 halibut landed per trip.

Incidental Pacific halibut catch regulations in the commercial salmon troll fishery adopted for 2020, prior to any 2020 inseason action, will be in effect when incidental Pacific halibut retention opens on April 1, 2021 unless otherwise modified by inseason action at the March 2021 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:
- 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.
 - Chinook remaining from May, June, and /or July non-Indian commercial troll quotas in the Oregon or 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.
 - 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.
 - At the March 2021 meeting, the Council will consider inseason recommendations for special regulations for any experimental fisheries (proposals must meet Council protocol and be received in November 2020).
 - 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.
 - Landing limits may be modified inseason to sustain season length and keep harvest within overall quotas.
- C.9. State Waters Fisheries: Consistent with Council management objectives:
- The State of Oregon may establish additional late-season fisheries in state waters.
 - The State of California may establish limited fisheries in selected state waters.
 - 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 Humbug Mountain, Oregon, to Horse Mountain, California.
- C.11. Latitudes for geographical reference of major landmarks along the west coast. Source: 2018 West Coast federal salmon regulations. <https://www.govinfo.gov/content/pkg/FR-2018-05-01/pdf/2018-09164.pdf>
- | | | | |
|--------------------------------|------------------|---------------------------|------------------|
| Cape Flattery, WA | 48°23'00" N lat. | Humboldt South Jetty, CA. | 40°45'53" N lat. |
| Cape Alava, WA | 48°10'00" N lat. | Horse Mountain, CA | 40°05'00" N lat. |
| Queets River, WA | 47°31'42" N lat. | Point Arena, CA | 38°57'30" N lat. |
| Leadbetter Point, WA | 46°38'10" N lat. | Point Reyes, CA | 37°59'44" N lat. |
| Cape Falcon, OR | 45°46'00" N lat. | Point San Pedro, CA | 37°35'40" N lat. |
| Florence South Jetty, OR | 44°00'54" N lat. | Pigeon Point, CA | 37°11'00" N lat. |
| South end Hecata Bank line, OR | 44°00'54" N lat. | Point Sur, CA | 36°18'00" N lat. |
| Humbug Mountain, OR | 43°58'00" N lat. | Point Conception, CA | 34°27'00" N lat. |
| Oregon-California border | 42°00'00" N lat. | | |

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
<p>1. Overall non-Indian TAC: 60,000 Chinook and 35,000 coho marked with a healed adipose fin clip (marked).</p> <p>2. Recreational TAC: 30,000 Chinook and 29,400 marked coho; all retained coho must be marked.</p> <p>3. Various daily limits and species combinations of one and two salmon will be considered. Including one fish, two fish only, one of which may be a Chinook, and two fish only one of which may be a coho.</p> <p>4. A trade with commercial troll may be considered in April.</p> <p>5. No Area 4B add-on fishery.</p> <p>6. Buoy 10 fishery opens August 1 with an expected landed catch of 13,000 marked coho in August and September.</p> <p>7. 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 non-Indian TAC: 45,000 Chinook and 25,000 coho marked with a healed adipose fin clip (marked).</p> <p>2. Recreational TAC: 22,125 Chinook and 22,500 marked coho; all retained coho must be marked.</p> <p>3. Various daily limits and species combinations of one and two salmon will be considered. Including one fish, two fish only, one of which may be a Chinook, and two fish only one of which may be a coho.</p> <p>4. Trade: Commercial troll traded 1,500 marked coho to the recreational fishery for 375 Chinook.</p> <p>5. No Area 4B add-on fishery.</p> <p>6. Buoy 10 fishery opens August 1 with an expected landed catch of 15,000 marked coho in August and September.</p> <p>7. Same as Alternative I</p>	<p>Closed</p> <p>Buoy 10 fishery opens August 1 with an expected landed catch of 17,000 marked coho in August and September.</p>
<p>U.S./Canada Border to Cape Alava (Neah Bay)</p> <ul style="list-style-type: none"> June 14 through the earlier of September 30, or 3,060 marked coho subarea quota, with a subarea guideline of 6,400 Chinook (C.5). <p>Open seven days a week. See minimum size limits (B).</p> <p>During June 14-28: All salmon, except coho; one salmon per day (C.1).</p> <p>Beginning June 29: 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>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).</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>U.S./Canada Border to Cape Alava (Neah Bay)</p> <ul style="list-style-type: none"> June 27 through the earlier of September 13, or 2,340 marked coho subarea quota, with a subarea guideline of 4,700 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). See minimum size limits (B).</p> <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"> Closed

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 14 through the earlier of September 30, or 760 marked coho subarea quota, with a subarea guideline of 1,250 Chinook (C.5). <p>Open seven days a week. See salmon minimum size limits (B).</p> <p>During June 14-28: All salmon, except coho; one salmon per day (C.1).</p> <p>Beginning June 29: 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> <ul style="list-style-type: none"> October 1 through earlier of October 14, or a subarea guideline of 150 Chinook (C.5) in the area north of 47°50'00" N. lat. and south of 48°00'00" N. lat. <p>All salmon, except coho; one salmon per day (C.1). See salmon minimum size limits (B).</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 27 through the earlier of September 13, or 580 marked coho subarea quota, with a subarea guideline of 1,100 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) See salmon minimum size limits (B).</p> <p>Same as Alternative 1</p>	<p>Cape Alava to Queets River (La Push Subarea)</p> <ul style="list-style-type: none"> Closed.

A. SEASON ALTERNATIVE DESCRIPTIONS

ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
<p>Queets River to Leadbetter Point (Westport Subarea)</p> <ul style="list-style-type: none"> June 14 through the earlier of September 30, or 10,880 marked coho subarea quota, with a subarea guideline of 14,200 Chinook (C.5). <p>During June 14-28: Open seven days per week. All salmon except coho; one salmon per day (C.1). Chinook minimum size limit of 22 inches total length (B).</p> <p>Beginning June 29: Open five days per week (Sun.-Thurs.). 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). Coho minimum size limit of 16 inches total length (B).</p> <p>Chinook minimum size limit of 22 inches total length (B).</p> <p>See gear restrictions and definitions (C.2, C.3). Grays Harbor Control Zone closed beginning August 10 (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 28 through the earlier of September 13, or 8,330 marked coho subarea quota, with a subarea guideline of 10,500 Chinook (C.5). <p>Open five days per week (Sun.-Thurs.). 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 salmon minimum size limits (B).</p> <p>Same as Alternative 1</p>	<p>Queets River to Leadbetter Point (Westport Subarea)</p> <ul style="list-style-type: none"> Closed.

A. SEASON ALTERNATIVE DESCRIPTIONS		
ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
<p>Leadbetter Point to Cape Falcon (Columbia River Subarea)</p> <ul style="list-style-type: none"> June 14 through the earlier of September 30, or 14,700 marked coho subarea quota, with a subarea guideline of 8,000 Chinook (C.5). <p>During June 14-28: Open seven days per week. All salmon except coho; one salmon per day (C.1). Chinook minimum size limit of 22 inches total length (B).</p> <p>Beginning June 29, 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). Coho minimum size limit of 16 inches total length (B).</p> <p>Chinook minimum size limit of 22 inches total length (B).</p> <p>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 28 through the earlier of September 13, or 11,250 marked coho subarea quota, with a subarea guideline of 5,800 Chinook (C.5). <p>Open five days per week (Sun.-Thurs.). 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 salmon minimum size limits (B).</p> <p>Same as Alternative 1</p>	<p>Leadbetter Point to Cape Falcon (Columbia River Subarea)</p> <ul style="list-style-type: none"> Closed.

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 228,346 hatchery and natural area adults. 2. Sacramento Index exploitation rate of 51.7%. 3. Klamath River recreational fishery allocation: 1,291 adult Klamath River fall Chinook. 4. Klamath tribal allocation: 8,606 adult Klamath River fall Chinook. 5. Overall recreational coho TAC: 22,000 coho marked with a healed adipose fin clip (marked), and 3,000 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 California Fish and Game Commission (CFGC). 	<ol style="list-style-type: none"> 1. Sacramento River fall Chinook spawning escapement of 222,636 hatchery and natural area adults. 2. Sacramento Index exploitation rate of 52.9%. 3. Klamath River recreational fishery allocation: 1,285 adult Klamath River fall Chinook. 4. Klamath tribal allocation: 8,568 adult Klamath River fall Chinook. 5. Overall recreational coho TAC: 18,000 coho marked with a healed adipose fin clip (marked), and 4,000 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 234,075 hatchery and natural area adults. 2. Sacramento Index exploitation rate of 50.5%. 3. Klamath River recreational fishery allocation: 801 adult Klamath River fall Chinook. 4. Klamath tribal allocation: 5,342 adult Klamath River fall Chinook. 5. Overall recreational coho TAC: 30,000 coho marked with a healed adipose fin clip (marked), and 0 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>In 2021, 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 2020 (C.2, C.3). This opening could be modified following Council review at its March 2021 meeting (C.5).</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 fishery and the non-mark-selective coho fishery (C.5). <p>Same as Alternative 1</p> <p>In 2021, 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 mark-selective fishery (C.5). <p>Same as Alternative 1</p> <p>In 2021, same as Alternative 1</p>
<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>		

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 27 through the earlier of August 2, or 22,000 marked coho quota (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 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 4-5, and open each Friday and Saturday through the earlier of September 30, or 3,000 non-mark-selective coho quota (C.6). Open days may be modified inseason. <p>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 27 through the earlier of August 2, or 18,000 marked coho quota (C.6). <p>Same as Alternative 1</p> <p>Same as Alternative 1</p> <p>Non-mark-selective coho fishery:</p> <ul style="list-style-type: none"> • August 28-30, September 11-13, and open each Friday through Sunday through the earlier of September 30, or 4,000 non-mark-selective coho quota (C.6). Open days may be modified inseason <p>All salmon, two salmon per day, but no more than one coho (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 27 through the earlier of August 16, or 30,000 marked coho quota (C.6). <p>Same as Alternative 1</p> <p>Non-mark-selective coho fishery:</p> <ul style="list-style-type: none"> • No season
<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>		
<p>Humbug Mt. to OR/CA Border (Oregon KMZ)</p> <ul style="list-style-type: none"> • May 16-July 31 (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"> • May 16-July 9 (C.6). <p>Same as Alternative 1</p>	<p>Humbug Mt. to OR/CA Border (Oregon KMZ)</p> <ul style="list-style-type: none"> • June 20-July 5 (C.6). <p>Same as Alternative 1</p>

A. SEASON ALTERNATIVE DESCRIPTIONS		
ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
<p>OR/CA Border to Horse Mt. (California KMZ)</p> <ul style="list-style-type: none"> • June 6-July 31 (C.6). <p>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).</p> <p>Klamath Control Zone closed in August (C.4.e). See California State regulations for additional closures adjacent to the Smith, Eel, and Klamath Rivers.</p> <p>In 2021, season opens May 1 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 2020 (C.2, C.3). This opening could be modified following Council review at its March 2021 meeting.</p>	<p>OR/CA Border to Horse Mt. (California KMZ)</p> <ul style="list-style-type: none"> • June 11-July 31 (C.6). <p>Same as Alternative 1</p> <p>Same as Alternative 1</p> <p>In 2021, same as Alternative 1</p>	<p>OR/CA Border to Horse Mt. (California KMZ)</p> <ul style="list-style-type: none"> • July 1-19 (C.6). <p>Same as Alternative 1</p> <p>Same as Alternative 1</p> <p>In 2021, same as Alternative 1</p>
<p>Horse Mt. to Point Arena (Fort Bragg)</p> <ul style="list-style-type: none"> • April 11-30; • May 1-November 1 (C.6). <p>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).</p> <p>In 2021, season opens April 3 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 2020 (C.2, C.3). This opening could be modified following Council review at its March 2021 meeting.</p>	<p>Horse Mt. to Point Arena (Fort Bragg)</p> <ul style="list-style-type: none"> • April 11-30; • May 1-October 31 (C.6). <p>Same as Alternative 1</p> <p>In 2021, same as Alternative 1</p>	<p>Horse Mt. to Point Arena (Fort Bragg)</p> <ul style="list-style-type: none"> • April 11-30; • May 1-October 30 (C.6). <p>Same as Alternative 1</p> <p>In 2021, same as Alternative 1</p>

A. SEASON ALTERNATIVE DESCRIPTIONS		
ALTERNATIVE I	ALTERNATIVE II	ALTERNATIVE III
<p>Point Arena to Pigeon Point (San Francisco)</p> <ul style="list-style-type: none"> • April 11-30; • May 1-November 1 (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 through April, then 20 inches total length thereafter (B). See gear restrictions and definitions (C.2, C.3).</p> <p>In 2021, season opens April 3 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 2020 (C.2, C.3). This opening could be modified following Council review at its March 2021 meeting.</p>	<p>Point Arena to Pigeon Point (San Francisco)</p> <ul style="list-style-type: none"> • April 11-30; • May 1-October 31 (C.6). <p>Same as Alternative 1</p> <p>In 2021, same as Alternative 1</p>	<p>Point Arena to Pigeon Point (San Francisco)</p> <ul style="list-style-type: none"> • April 4-30; • May 16-June 30; • July 1-October 30 (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 through June, then 20 inches total length thereafter (B). See gear restrictions and definitions (C.2, C.3).</p> <p>In 2021, same as Alternative 1</p>
<p>Pigeon Point to U.S./Mexico Border (Monterey)</p> <ul style="list-style-type: none"> • April 4-October 4(C.6). <p>Open seven days per week. All salmon except coho, two salmon per day (C.1). See gear restrictions and definitions (C.2, C.3). Chinook minimum size limit of 24 inches total length (B).</p> <p>In 2021, season opens April 3 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 2020 (C.2, C.3). This opening could be modified following Council review at its March 2021 meeting.</p>	<p>Pigeon Point to U.S./Mexico Border (Monterey)</p> <ul style="list-style-type: none"> • April 4-September 27 (C.6). <p>Same as Alternative 1</p> <p>In 2021, same as Alternative 1</p>	<p>Pigeon Point to U.S./Mexico Border (Monterey)</p> <ul style="list-style-type: none"> • April 4-September 7 (C.6). <p>Same as Alternative 1</p> <p>In 2021, same as Alternative 1</p>
<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 Code of Regulations Title 14 Section 1.73).</p>		

B. MINIMUM SIZE (Inches) (See C.1)			
Area (when open)	Chinook	Coho	Pink
North of Cape Falcon (Alt 1 Westport and Col R)	22	16	None
North of Cape Falcon (Alt 1 Neah Bay and La Push, Alt II all areas)	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. through April 30	24	-	24
Pt. Arena to Pigeon Pt. May 1-October 31 (Alt I, Alt II)	20	-	20
Pt. Arena to Pigeon Pt. May 23-June 30 (Alt III)	24	-	24
Pt. Arena to Pigeon Pt. July 1-October 31 (Alt III)	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.
- 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.
 - 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:

- 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.
- 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.
- 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.

A. SEASON ALTERNATIVE DESCRIPTIONS		
QTA ALTERNATIVE I	QTA ALTERNATIVE II	QTA ALTERNATIVE III
Supplemental Management Information	Supplemental Management Information	Supplemental Management Information
<p>1. Overall Treaty-Indian TAC: 30,000 Chinook and 12,500 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: 25,000 Chinook and 10,000 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: 20,000 Chinook and 0 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>
<ul style="list-style-type: none"> • May 1 through the earlier of June 30 or 18,000 Chinook quota. <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> <ul style="list-style-type: none"> • July 1 through the earlier of August 31, or 12,000 Chinook quota, or 12,500 coho quota. <p>All Salmon. See size limit (B) and other restrictions (C).</p>	<ul style="list-style-type: none"> • May 1 through the earlier of June 30 or 15,000 Chinook quota. <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> <ul style="list-style-type: none"> • July 1 through the earlier of August 31, or 10,000 Chinook quota or 10,000 coho quota <p>All salmon. See size limit (B) and other restrictions (C).</p>	<ul style="list-style-type: none"> • May 1 through the earlier of June 30 or 12,000 Chinook quota. <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> <ul style="list-style-type: none"> • July 1 through the earlier of August 31, or 8,000 Chinook quota or 0 coho quota. <p>All salmon. See size limit (B) and other restrictions (C).</p>

TABLE 3b. (Makah Tribal) 2020 Treaty Indian troll management Alternatives for ocean salmon fisheries - Tribe proposed. (Page 2 of 3) Sunday, March 08, 2020,7:33 PM

A. SEASON ALTERNATIVE DESCRIPTIONS		
MAKAH TRIBAL ALTERNATIVE I	MAKAH TRIBAL ALTERNATIVE II	MAKAH TRIBAL ALTERNATIVE III
Supplemental Management Information	Supplemental Management Information	Supplemental Management Information
<p>1. Overall Treaty-Indian TAC: 45,000 Chinook and 30,000 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: 35,000 Chinook and 22,500 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: 25,000 Chinook and 15,000 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>
<ul style="list-style-type: none"> May 1 through the earlier of June 30 or 22,500 Chinook quota. <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> <ul style="list-style-type: none"> July 1 through the earlier of September 15, or 22,500 Chinook quota, or 30,000 coho quota. <p>All Salmon. See size limit (B) and other restrictions (C).</p>	<ul style="list-style-type: none"> May 1 through the earlier of June 30 or 17,500 Chinook quota. <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> <ul style="list-style-type: none"> July 1 through the earlier of September 15, or 17,500 Chinook quota or 22,500 coho quota <p>All salmon. See size limit (B) and other restrictions (C).</p>	<ul style="list-style-type: none"> May 1 through the earlier of June 30 or 12,500 Chinook quota. <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> <ul style="list-style-type: none"> July 1 through the earlier of September 15, or 12,500 Chinook quota or 15,000 coho quota. <p>All salmon. See size limit (B) and other restrictions (C).</p>

Table 3a and 3b. 2020 Treaty Indian troll management Alternatives for ocean salmon fisheries - Tribe proposed.

Area (when open)	B. Minimum Length (total inches).				Pink
	Chinook		Coho		
	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 - A polygon commencing at Cape Alava, located at latitude 48°10'00" north, longitude 124°43'56.9" west; then proceeding west approximately forty nautical miles at that latitude to a northwestern point located at latitude 48°10'00" north, longitude 125°44'00" west; then proceeding in a southeasterly direction mirroring the coastline at a distance no farther than forty nautical miles from the mainland Pacific coast shoreline at any line of latitude, to a southwestern point at latitude 47°31'42" north, longitude 125°20'26" west; then proceeding east along that line of latitude to the Pacific coast shoreline at latitude 47°31'42" north, longitude 124°21'9.0" west.

HQH - 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 - A polygon commencing at the Pacific coast shoreline near Destruction Island, located at latitude 47°40'06" north, longitude 124°23'51.362" west; then proceeding west approximately thirty nautical miles at that latitude to a northwestern point located at latitude 47°40'06" north, longitude 125°08'30" west; then proceeding in a southeasterly direction mirroring the coastline no farther than thirty nautical miles from the mainland Pacific coast shoreline at any line of latitude, to a southwestern point at latitude 46°53'18" north, longitude 124°53'53" west; then proceeding east along that line of latitude to the Pacific coast shoreline at latitude 46°53'18" north, longitude 124°7'36.6" west.

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 September 15.
- b. The Quileute Tribe may 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 2020 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 5a. (QTA) Projected key stock escapements (thousands of fish) or management criteria for 2020 ocean fishery Alternatives - STT analyzed^{a/} (Page 1 of 2)

Key Stock/Criteria	PROJECTED			2020
	Alt I	Alt II	Alt III	Criteria
CHINOOK				
Columbia Upriver Brights	230.4	231.8	239.3	74.0 Minimum ocean escapement to attain 40.0 adults over McNary Dam, with normal distribution and no mainstem harvest. The management goal has been increased to 60.0 by Columbia River managers.
Mid-Columbia Brights	78.7	79.2	81.7	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	50.1	50.9	53.9	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)	35.9%	34.2%	28.3%	≤ 38.0% Total adult equivalent fishery exploitation rate (2020 NMFS ESA guidance).
Columbia Lower River Wild ^{b/} (threatened)	19.6	19.7	20.6	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	44.8	46.3	49.9	8.2 Minimum ocean escapement to attain 6.0 adults for Spring Creek Hatchery egg-take, assuming average conversion and no mainstem harvest.
Upper Columbia River Summer	37.6	38.1	39.1	29.0 Aggregate escapement to mouth of Columbia River.
Snake River Fall (threatened) SRFI	50.6%	45.4%	27.3%	≤ 70.0% Of 1988-1993 base period exploitation rate for all ocean fisheries (NMFS ESA consultation standard).
Klamath River Fall	36.2	36.2	--	≥ 36.2 2020 minimum natural area adult escapement (FMP control rule).
	--	--	40.7	≥ 40.7 2020 minimum natural area adult escapement (Council guidance).
Federally recognized tribal harvest	50.0%	50.0%	50.0%	50.0% Equals 8.6, 8.6, and 5.3 (thousand) adult fish for Yurok and Hoopa Valley tribal fisheries.
Exploitation (spawner reduction) rate	25.0%	25.0%	--	≤ 25.0% FMP control rule.
	--	--	15.7%	≤ 15.7% Council guidance.
Adult river mouth return	59.0	59.0	60.9	NA Total adults in thousands.
Age-4 ocean harvest rate	8.9%	9.3%	6.1%	≤ 16.0% NMFS ESA consultation standard for threatened California Coastal Chinook.
KMZ sport fishery share	7.5%	6.2%	3.6%	
River recreational fishery share	15.0%	15.0%	15.0%	NA Equals 1.3, 1.3, and 0.8 (thousand) adult fish for recreational inriver fisheries.
Sacramento River Winter (endangered)	16.8%	17.7%	20.0%	≤ 20.0% 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 2020 ESA Guidance).
Sacramento River Fall	228.3	222.6	234.1	≥ 141.955 2020 minimum hatchery and natural area adult escapement (FMP control rule).
Sacramento Index Exploitation Rate	51.7%	52.9%	50.5%	≤ 70.0% FMP control rule.
Ocean commercial impacts	148.6	155.8	145.4	Includes fall (Sept-Dec) 2019 impacts (5.7 thousand SRFC).
Ocean recreational impacts	55.9	55.5	52.4	Includes fall (Sept-Dec) 2019 impacts (3.3 thousand SRFC).
River recreational impacts	40.3	39.3	41.3	
SRKW Prey Abundance				
North of Falcon	1,250.9	1,250.9	1,250.9	≥ 972.0 Oct 1 starting abundance of age 3+ Chinook from U.S./Canada Border to Cape Falcon
Falcon to Horse Mt.	1,063.6	1,063.6	1,063.6	NA Oct 1 starting abundance of age 3+ Chinook from Cape Falcon to Horse Mt.
South of Horse Mt.	543.8	543.8	543.8	NA Oct 1 starting abundance of age 3+ Chinook south of Horse Mt.

TABLE 5a. (QTA) Projected key stock escapements (thousands of fish) or management criteria for 2020 ocean fishery management measures - STT analyzed.^{a/} (Page 2 of 2)

Key Stock/Criteria	PROJECTED			2020 Criteria	Spawner Objective or Other Comparative Standard as Noted ^{b/}
	Alt I	Alt II	Alt III		
COHO	COHO			COHO	
Interior Fraser (Thompson River)	6.3%(2.3%)	5.7%(1.8%)	4.6%(0.6%)	≤ 10.0% 2020 Southern U.S. exploitation rate ceiling; PSC coho agreement.	
Skagit	34.1%(2.3%)	33.7%(1.7%)	32.8%(0.6%)	≤ 35.0% 2020 total exploitation rate ceiling; FMP matrix ^{d/}	
Stillaguamish	27.1%(1.7%)	26.7%(1.2%)	26.0%(0.4%)	≤ 35.0% 2020 total exploitation rate ceiling; FMP matrix ^{d/}	
Snohomish	24.0%(1.7%)	23.6%(1.2%)	22.9%(0.4%)	≤ 20.0% 2020 total exploitation rate ceiling; FMP matrix ^{d/}	
Hood Canal	41.7%(2.6%)	41.3%(2.0%)	40.4%(0.7%)	≤ 45.0% 2020 total exploitation rate ceiling; FMP matrix ^{d/}	
Strait of Juan de Fuca	8.4%(2.1%)	7.9%(1.6%)	6.8%(0.6%)	≤ 20.0% 2020 total exploitation rate ceiling; FMP matrix ^{d/}	
Quillayute Fall	8.7	8.8	8.9	6.3 FMP MSY adult spawner estimate. Value depicted is ocean escapement.	
Hoh	3.6	3.7	3.8	2.0 FMP MSY adult spawner estimate. Value depicted is ocean escapement.	
Queets Wild	6.7	6.8	7.1	5.8 FMP MSY adult spawner estimate. Value depicted is ocean escapement.	
Grays Harbor	47.2	47.6	48.2	24.4 FMP MSY adult spawner estimate. Value depicted is ocean escapement.	
Willapa Bay	27.5	28.3	29.2	17.2 FMP MSY natural area adult spawner estimate. Value depicted is ocean escapement.	
Lower Columbia River Natural (threatened)	11.4%	8.9%	5.2%	≤ 18.0% Total marine and mainstem Columbia R. fishery exploitation rate (2020 NMFS ESA guidance). Value depicted is marine ER before Buoy 10.	
Upper Columbia ^{c/}	69%	71%	75%	≥ 50% Minimum percentage of the run to Bonneville Dam.	
Columbia River Hatchery Early	87.8	92.2	93.8	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	34.6	37.3	42.2	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	11.7%	11.1%	10.3%	≤ 15.0% Marine and freshwater fishery exploitation rate (NMFS ESA consultation standard).	
Southern Oregon/Northern California Coast (threatened)	3.2%	3.5%	2.7%	≤ 13.0% Marine fishery exploitation rate for R/K hatchery coho (NMFS ESA consultation standard).	

a/ Coho projections in the table assume post-season 2018 fishery scalars for Canadian fisheries, except Fraser net and terminal fisheries (post-season 2016), and Fraser sport (post-season 2017). Model results for Chinook in this table used 2018 pre-season catches and fishing effort scalars, and are updated with 2018 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 freshwater with the following clarifications. Ocean escapement for Puget Sound stocks is the estimated number of salmon entering Area 4B that are available to U.S. net fisheries in Puget Sound and spawner escapement after impacts from the Canadian, U.S. ocean, and Puget Sound troll and recreational fisheries have been deducted. Numbers in parentheses represent Council area exploitation rates for Puget Sound coho stocks. 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 only. Exploitation rates for OCN coho represent marine and freshwater impacts. Values reported for Klamath River fall Chinook are natural area adult spawners. Values reported for Sacramento River fall Chinook are hatchery and natural area adult spawners.

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 pre-season planning process to comply with stock management objectives.

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

TABLE 5b. (Makah Tribe) Projected key stock escapements (thousands of fish) or management criteria for 2020 ocean fishery Alternatives - STT analyzed^{af} (Page 1 of 2)

Key Stock/Criteria	PROJECTED			2020
	Alt I	Alt II	Alt III	Criteria
CHINOOK				
Columbia Upriver Brights	229.0	230.9	238.8	74.0 Minimum ocean escapement to attain 40.0 adults over McNary Dam, with normal distribution and no mainstem harvest. The management goal has been increased to 60.0 by Columbia River managers.
Mid-Columbia Brights	78.2	78.8	81.5	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	49.8	50.7	53.8	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 ^{cf} (threatened)	36.5%	34.6%	28.5%	≤ 38.0% Total adult equivalent fishery exploitation rate (2020 NMFS ESA guidance).
Columbia Lower River Wild ^{af} (threatened)	19.5	19.6	20.6	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	44.5	46.0	49.8	8.2 Minimum ocean escapement to attain 6.0 adults for Spring Creek Hatchery egg-take, assuming average conversion and no mainstem harvest.
Upper Columbia River Summer	37.4	38.1	39.1	29.0 Aggregate escapement to mouth of Columbia River.
Snake River Fall (threatened) SRFI	54.1%	47.9%	28.7%	≤ 70.0% Of 1988-1993 base period exploitation rate for all ocean fisheries (NMFS ESA consultation standard).
Klamath River Fall	36.2	36.2	--	≥ 36.2 2020 minimum natural area adult escapement (FMP control rule).
	--	--	40.7	≥ 40.7 2020 minimum natural area adult escapement (Council guidance).
Federally recognized tribal harvest	50.0%	50.0%	50.0%	50.0% Equals 8.6, 8.6, and 5.3 (thousand) adult fish for Yurok and Hoopa Valley tribal fisheries.
Exploitation (spawner reduction) rate	25.0%	25.0%	--	≤ 25.0% FMP control rule.
	--	--	15.7%	≤ 15.7% Council guidance.
Adult river mouth return	59.0	59.0	60.9	NA Total adults in thousands.
Age-4 ocean harvest rate	8.9%	9.3%	6.1%	≤ 16.0% NMFS ESA consultation standard for threatened California Coastal Chinook.
KMZ sport fishery share	7.5%	6.2%	3.6%	
River recreational fishery share	15.0%	15.0%	15.0%	NA Equals 1.3, 1.3, and 0.8 (thousand) adult fish for recreational inriver fisheries.
Sacramento River Winter (endangered)	16.8%	17.7%	20.0%	≤ 20.0% 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 2020 ESA Guidance).
Sacramento River Fall	228.3	222.6	234.1	≥ 141.955 2020 minimum hatchery and natural area adult escapement (FMP control rule).
Sacramento Index Exploitation Rate	51.7%	52.9%	50.5%	≤ 70.0% FMP control rule.
Ocean commercial impacts	148.6	155.8	145.4	Includes fall (Sept-Dec) 2019 impacts (5.7 thousand SRFC).
Ocean recreational impacts	55.9	55.5	52.4	Includes fall (Sept-Dec) 2019 impacts (3.3 thousand SRFC).
River recreational impacts	40.3	39.3	41.3	
SRKW Prey Abundance				
North of Falcon	1,250.9	1,250.9	1,250.9	≥ 972.0 Oct 1 starting abundance of age 3+ Chinook from U.S./Canada Border to Cape Falcon
Falcon to Horse Mt.	1,063.6	1,063.6	1,063.6	NA Oct 1 starting abundance of age 3+ Chinook from Cape Falcon to Horse Mt.
South of Horse Mt.	543.8	543.8	543.8	NA Oct 1 starting abundance of age 3+ Chinook south of Horse Mt.

TABLE 5b. (Makah Tribe) Projected key stock escapements (thousands of fish) or management criteria for 2020 ocean fishery management measures - STT analyzed.^{a/} (Page 2 of 2)

Key Stock/Criteria	PROJECTED			2020 Criteria	Spawner Objective or Other Comparative Standard as Noted ^{b/}
	Alt I	Alt II	Alt III		
COHO	COHO			COHO	
Interior Fraser (Thompson River)	8.4%(4.4%)	7.2%(3.3%)	6.0%(2.0%)	≤ 10.0% 2020 Southern U.S. exploitation rate ceiling; PSC coho agreement.	
Skagit	35.5%(4.1%)	34.7%(3.0%)	33.7%(1.8%)	≤ 35.0% 2020 total exploitation rate ceiling; FMP matrix ^{d/}	
Stillaguamish	28.1%(3.0%)	27.4%(2.2%)	26.7%(1.3%)	≤ 35.0% 2020 total exploitation rate ceiling; FMP matrix ^{d/}	
Snohomish	25.1%(3.0%)	24.4%(2.2%)	23.6%(1.3%)	≤ 20.0% 2020 total exploitation rate ceiling; FMP matrix ^{d/}	
Hood Canal	43.0%(4.4%)	42.2%(3.3%)	41.2%(2.0%)	≤ 45.0% 2020 total exploitation rate ceiling; FMP matrix ^{d/}	
Straits of Juan de Fuca	9.9%(3.7%)	9.0%(2.8%)	7.9%(1.6%)	≤ 20.0% 2020 total exploitation rate ceiling; FMP matrix ^{d/}	
Quillayute Fall	8.6	8.7	8.8	6.3 FMP MSY adult spawner estimate. Value depicted is ocean escapement.	
Hoh	3.5	3.6	3.7	2.0 FMP MSY adult spawner estimate. Value depicted is ocean escapement.	
Queets Wild	6.5	6.7	6.9	5.8 FMP MSY adult spawner estimate. Value depicted is ocean escapement.	
Grays Harbor	46.3	47.0	47.7	24.4 FMP MSY adult spawner estimate. Value depicted is ocean escapement.	
Willapa Bay	27.0	27.9	28.9	17.2 FMP MSY natural area adult spawner estimate. Value depicted is ocean escapement.	
Lower Columbia River Natural (threatened)	13.0%	10.1%	6.1%	≤ 18.0% Total marine and mainstem Columbia R. fishery exploitation rate (2020 NMFS ESA guidance). Value depicted is marine ER before Buoy 10.	
Upper Columbia ^{c/}	68%	71%	74%	≥ 50% Minimum percentage of the run to Bonneville Dam.	
Columbia River Hatchery Early	86.3	91.0	92.9	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	33.9	36.8	41.7	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	12.1%	11.4%	10.5%	≤ 15.0% Marine and freshwater fishery exploitation rate (NMFS ESA consultation standard).	
Southern Oregon/Northern California Coast (threatened)	3.2%	3.5%	2.7%	≤ 13.0% Marine fishery exploitation rate for R/K hatchery coho (NMFS ESA consultation standard).	

a/ Coho projections in the table assume post-season 2018 fishery scalars for Canadian fisheries, except Fraser net and terminal fisheries (post-season 2016), and Fraser sport (post-season 2017), Model results for Chinook in this table used 2018 preseason catches and fishing effort scalars, and are updated with 2018 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 freshwater with the following clarifications. Ocean escapement for Puget Sound stocks is the estimated number of salmon entering Area 4B that are available to U.S. net fisheries in Puget Sound and spawner escapement after impacts from the Canadian, U.S. ocean, and Puget Sound troll and recreational fisheries have been deducted. Numbers in parentheses represent Council area exploitation rates for Puget Sound coho stocks. 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 only. Exploitation rates for OCN coho represent marine and freshwater impacts. Values reported for Klamath River fall Chinook are natural area adult spawners. Values reported for Sacramento River fall Chinook are hatchery and natural area adult spawners.

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 7a. (QTA) 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 2020 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%	2.3%	2.3%	2.5%
BRITISH COLUMBIA	0.3%	0.3%	0.3%	0.6%	0.6%	0.6%	0.5%	0.4%	0.5%	12.4%	12.6%	13.2%
PUGET SOUND/STRAIT	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.7%	0.8%
NORTH OF CAPE FALCON												
Treaty Indian Ocean Troll	0.9%	0.7%	0.3%	0.2%	0.1%	0.0%	0.0%	0.0%	0.0%	1.8%	1.5%	1.2%
Recreational	4.3%	3.1%	0.0%	0.7%	0.5%	0.0%	0.0%	0.0%	0.0%	4.0%	3.2%	0.0%
Non-Indian Troll	1.6%	0.8%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%	5.2%	3.9%	0.0%
SOUTH OF CAPE FALCON												
Recreational:										0.1%	0.2%	0.2%
Cape Falcon to Humbug Mt.	3.6%	3.3%	3.9%	6.7%	6.3%	6.6%	0.6%	0.5%	0.8%	-	-	-
Humbug Mt. to OR/CA border (KMZ)	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.2%	0.1%	0.0%	-	-	-
OR/CA border to Horse Mt. (KMZ)	0.0%	0.0%	0.0%	0.2%	0.2%	0.0%	0.7%	0.6%	0.2%	-	-	-
Fort Bragg	0.0%	0.0%	0.0%	0.3%	0.3%	0.3%	0.7%	0.7%	0.7%	-	-	-
South of Pt. Arena	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.3%	0.3%	0.3%	-	-	-
Troll:										1.2%	1.3%	1.2%
Cape Falcon to Humbug Mt.	0.4%	0.5%	0.4%	0.6%	0.6%	0.5%	0.1%	0.1%	0.1%	-	-	-
Humbug Mt. to OR/CA border (KMZ)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-	-	-
OR/CA border to Horse Mt. (KMZ)	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.6%	0.0%	-	-	-
Fort Bragg	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%	0.0%	0.0%	-	-	-
South of Pt. Arena	0.0%	0.0%	0.0%	0.3%	0.4%	0.4%	0.2%	0.2%	0.3%	-	-	-
BUOY 10	2.3%	2.5%	2.8%	0.1%	0.2%	0.2%	0.0%	0.0%	0.0%			
ESTUARY/FRESHWATER	NA	NA	NA	1.4%	1.4%	1.4%	NA	NA	NA	8.2%	8.4%	9.2%
TOTAL^{a/}	11.4%	8.9%	5.2%	11.7%	11.1%	10.3%	3.2%	3.5%	2.7%	35.9%	34.2%	28.3%

a/ Totals do not include Buoy 10 and estuary/freshwater for LCN and RK coho; estuary/freshwater catch is included in the total for OCN. For LCR Tule Chinook, Buoy 10 and estuary/freshwater assume 2019 preseason harvest rates. Bolded values identify ocean exploitation rates that, when combined with 2019 freshwater harvest rates, would exceed the total allowable exploitation rate.

TABLE 7b. (Makah Tribe) 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 2020 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%	2.3%	2.3%	2.5%
BRITISH COLUMBIA	0.3%	0.3%	0.3%	0.6%	0.6%	0.6%	0.5%	0.4%	0.5%	12.3%	12.6%	13.2%
PUGET SOUND/STRAIT	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.7%	0.8%
NORTH OF CAPE FALCON												
Treaty Indian Ocean Troll	2.5%	1.9%	1.3%	0.6%	0.4%	0.3%	0.0%	0.0%	0.0%	2.5%	2.0%	1.5%
Recreational	4.3%	3.1%	0.0%	0.7%	0.5%	0.0%	0.0%	0.0%	0.0%	4.0%	3.2%	0.0%
Non-Indian Troll	1.6%	0.8%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%	5.1%	3.9%	0.0%
SOUTH OF CAPE FALCON												
Recreational:										0.1%	0.2%	0.2%
Cape Falcon to Humbug Mt.	3.6%	3.3%	3.9%	6.7%	6.3%	6.6%	0.6%	0.5%	0.8%	-	-	-
Humbug Mt. to OR/CA border (KMZ)	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.2%	0.1%	0.0%	-	-	-
OR/CA border to Horse Mt. (KMZ)	0.0%	0.0%	0.0%	0.2%	0.2%	0.0%	0.7%	0.6%	0.2%	-	-	-
Fort Bragg	0.0%	0.0%	0.0%	0.3%	0.3%	0.3%	0.7%	0.7%	0.7%	-	-	-
South of Pt. Arena	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.3%	0.3%	0.3%	-	-	-
Troll:										1.2%	1.3%	1.2%
Cape Falcon to Humbug Mt.	0.4%	0.5%	0.4%	0.6%	0.6%	0.5%	0.1%	0.1%	0.1%	-	-	-
Humbug Mt. to OR/CA border (KMZ)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-	-	-
OR/CA border to Horse Mt. (KMZ)	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.6%	0.0%	-	-	-
Fort Bragg	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%	0.0%	0.0%	-	-	-
South of Pt. Arena	0.0%	0.0%	0.0%	0.3%	0.4%	0.4%	0.2%	0.2%	0.3%	-	-	-
BUOY 10	2.3%	2.5%	2.8%	0.1%	0.2%	0.2%	0.0%	0.0%	0.0%			
ESTUARY/FRESHWATER	NA	NA	NA	1.4%	1.4%	1.4%	NA	NA	NA	8.1%	8.4%	9.2%
TOTAL^{a/}	13.0%	10.1%	6.1%	12.1%	11.4%	10.5%	3.2%	3.5%	2.7%	36.5%	34.6%	28.5%

a/ Totals do not include Buoy 10 and estuary/freshwater for LCN and RK coho; estuary/freshwater catch is included in the total for OCN. For LCR Tule Chinook, Buoy 10 and estuary/freshwater assume 2019 preseason harvest rates. Bolded values identify ocean exploitation rates that, when combined with 2019 freshwater harvest rates, would exceed the total allowable exploitation rate.

PROJECTED IMPACTS FOR AGE-3 SACRAMENTO RIVER WINTER CHINOOK, ADULT KLAMATH RIVER FALL CHINOOK, AND ADULT SACRAMENTO RIVER FALL CHINOOK

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 2020 fishing season Alternatives. The impacts are displayed as a percent for each Alternative by fishery, port area, and month. Max rate: 20%.

Commercial											Recreational											
Alternative I 16.8 Total											Alternative I											
Port											Port											
Area	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		Year Total	Area	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Total	
SF	0.11	0.50	0.45	0.36	0.19	0.07				1.68	SF	0.22	0.89	1.30	1.90	0.69	0.11	0.20	0.00			5.32
MO	0.46	1.48	0.49	0.75						3.18	MO	1.25	0.61	1.07	2.48	1.10	0.08	0.00				6.59
Total	0.56	1.98	0.94	1.11	0.19	0.07	0.00	0.00		4.86	Total	1.47	1.50	2.37	4.38	1.79	0.18	0.20	0.00	0.00		11.90
Alternative II 17.7 Total											Alternative II											
Port											Port											
Area	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		Year Total	Area	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Total	
SF	0.11	0.64	0.38	0.63	0.19	0.07				2.02	SF	0.22	0.89	1.30	1.88	0.69	0.11	0.19				5.29
MO	0.43	2.18	0.42	0.77						3.80	MO	1.25	0.61	1.07	2.46	1.09	0.07					6.55
Total	0.54	2.82	0.80	1.40	0.19	0.07	0.00	0.00		5.82	Total	1.47	1.50	2.37	4.34	1.78	0.17	0.19	0.00	0.00		11.83
Alternative III 20.0 Total											Alternative III											
Port											Port											
Area	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		Year Total	Area	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Total	
SF	0.14	0.46		0.44	0.18	0.07				1.29	SF	0.22	0.20	0.79	1.91	0.68	0.10	0.18				4.08
MO	0.43	2.35	2.82	2.54						8.15	MO	1.25	0.61	1.08	2.49	1.08	0.02					6.53
Total	0.57	2.81	2.82	2.98	0.18	0.07	0.00	0.00		9.44	Total	1.47	0.81	1.87	4.40	1.76	0.12	0.18	0.00	0.00		10.61

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											
36,213 natural area spawners, 25.0% spawner reduction rate, 8.9% age-4 ocean harvest rate											36,213 natural area spawners, 25.0% spawner reduction rate, 8.9% age-4 ocean harvest rate											
Port Area	Fall 2019		Summer 2020						Summer Total	Year Total	Port Area	Fall 2019			Summer 2020						Summer Total	Year Total
	Sep	Oct-Dec	Mar	Apr	May	Jun	Jul	Aug			Sep	Oct	Nov-Dec	Mar	Apr	May	Jun	Jul	Aug			
NO	60	0		32	90	40	89	354	605	665	NO	0	0		0	0	0	18	7	25	25	
CO		0		94	166	191	363	1,147	1,961	1,961	CO	0	0	0	0	2	12	36	31	81	81	
KO		0			40	74	50		164	164	KO		0			2	42	88		132	132	
KC											KC						220	227		447	447	
FB								1,202	1,202	1,202	FB	0	0	0	5	39	89	143	34	310	310	
SF		0			322	773	1,116	425	2,636	2,636	SF	0	0	0	27	28	115	138	10	318	318	
MO					167	112	65	2	346	346	MO				28	5	9	21	3	66	66	
Total	60	0		126	785	1,190	1,683	3,131	6,915	6,975	Total	0	0	0	0	60	76	487	671	86	1,380	1,380
Alternative II											Alternative II											
36,208 natural area spawners, 25.0% spawner reduction rate, 9.3% age-4 ocean harvest rate											36,208 natural area spawners, 25.0% spawner reduction rate, 9.3% age-4 ocean harvest rate											
Port Area	Fall 2019		Summer 2020						Summer Total	Year Total	Port Area	Fall 2019			Summer 2020						Summer Total	Year Total
	Sep	Oct-Dec	Mar	Apr	May	Jun	Jul	Aug			Sep	Oct	Nov-Dec	Mar	Apr	May	Jun	Jul	Aug			
NO	60	0		32	90	40	88	367	617	677	NO	0	0		0	0	0	18	10	28	28	
CO		0		94	166	191	361	1,190	2,002	2,002	CO	0	0	0	0	2	12	36	32	82	82	
KO		0			42	53			95	95	KO		0			2	42	25		69	69	
KC							362	200	298	860	KC						176	226		402	402	
FB											FB	0	0	0	5	39	89	142	34	309	309	
SF		0			322	994	951	753	3,020	3,020	SF	0	0	0	27	28	115	138	10	318	318	
MO					159	164	55	2	380	380	MO				28	5	9	21	3	66	66	
Total	60	0		126	779	1,804	1,655	2,610	6,974	7,034	Total	0	0	0	0	60	76	444	606	89	1,275	1,275
Alternative III											Alternative III											
40,714 natural area spawners, 15.7% spawner reduction rate, 6.1% age-4 ocean harvest rate											40,714 natural area spawners, 15.7% spawner reduction rate, 6.1% age-4 ocean harvest rate											
Port Area	Fall 2019		Summer 2020						Summer Total	Year Total	Port Area	Fall 2019			Summer 2020						Summer Total	Year Total
	Sep	Oct-Dec	Mar	Apr	May	Jun	Jul	Aug			Sep	Oct	Nov-Dec	Mar	Apr	May	Jun	Jul	Aug			
NO	60	0			90	40	89	459	678	738	NO	0	0		0	0	0	18	19	37	37	
CO		0			166	192	365	290	1,013	1,013	CO	0	0	0	0	2	12	36	37	87	87	
KO		0			42				42	42	KO		0				15	14		29	29	
KC											KC							140		140	140	
FB											FB	0	0	0	5	39	89	143	35	311	311	
SF		0			411	700		548	1,659	1,659	SF	0	0	0	27	13	113	139	10	302	302	
MO					160	176	372	7	715	715	MO				28	5	9	21	3	66	66	
Total	60	0			870	1,108	825	1,305	4,108	4,168	Total	0	0	0	0	60	60	238	511	103	972	972

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)

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

Commercial											Recreational											
Alternative I 204,541 Total											Alternative I											
Port Area	Fall 2019		Summer 2020						Summer Total	Year Total	Port Area	Fall 2019			Summer 2020						Summer Total	Year Total
	Sep	Oct-Dec	Mar	Apr	May	Jun	Jul	Aug			Sep	Oct	Nov-Dec	Mar	Apr	May	Jun	Jul	Aug			
NO	187	0	1,340	3,361	2,265	3,866	4,865		15,697	15,884	NO	39	0	8	5	9	38	329	68	457	496	
CO	0	0	1,992	2,805	3,096	1,637	2,815		12,345	12,345	CO	0	0	2	3	11	112	355	296	779	779	
KO				0	188	293	147		628	628	KO	0				101	198	360		659	659	
KC											KC	27					919	1,033		1,952	1,979	
FB								11,417	11,417	11,417	FB	76	0		187	633	1,158	2,408	867	5,253	5,329	
SF	4,929	561		17,165	20,760	18,241	10,317		66,483	71,973	SF	2,844	296		2,074	3,804	6,150	11,973	6,604	30,605	33,745	
MO				18,617	13,579	3,466	738		36,400	36,400	MO				6,262	1,702	1,951	2,538	454	12,907	12,907	
Total	5,116	561	3,332	42,137	39,994	27,357	30,151		142,971	148,648	Total	2,986	296	10	8,531	6,259	10,527	18,995	8,289	52,611	55,893	
Alternative II 211,257 Total											Alternative II											
Port Area	Fall 2019		Summer 2020						Summer Total	Year Total	Port Area	Fall 2019			Summer 2020						Summer Total	Year Total
	Sep	Oct-Dec	Mar	Apr	May	Jun	Jul	Aug			Sep	Oct	Nov-Dec	Mar	Apr	May	Jun	Jul	Aug			
NO	187	0	1,340	3,361	2,265	3,866	5,068		15,900	16,087	NO	39	0	8	5	9	38	329	90	479	518	
CO	0	0	1,992	2,805	3,096	1,637	2,932		12,462	12,462	CO	0	0	2	3	11	112	355	307	790	790	
KO					592	209			801	801	KO	0				101	198	105		404	404	
KC						543	750	333	1,626	1,626	KC	27					735	1,033		1,768	1,795	
FB											FB	76	0		187	633	1,158	2,408	867	5,253	5,329	
SF	4,929	561		17,165	26,691	15,635	18,359		77,850	83,340	SF	2,844	296		2,074	3,804	6,150	11,973	6,604	30,605	33,745	
MO				17,789	19,936	2,971	759		41,455	41,455	MO				6,262	1,702	1,951	2,538	454	12,907	12,907	
Total	5,116	561	3,332	41,712	52,740	24,859	27,451		150,094	155,771	Total	2,986	296	10	8,531	6,259	10,343	18,739	8,322	52,204	55,486	
Alternative III 197,800 Total											Alternative III											
Port Area	Fall 2019		Summer 2020						Summer Total	Year Total	Port Area	Fall 2019			Summer 2020						Summer Total	Year Total
	Sep	Oct-Dec	Mar	Apr	May	Jun	Jul	Aug			Sep	Oct	Nov-Dec	Mar	Apr	May	Jun	Jul	Aug			
NO	187	0		3,361	2,265	3,866	6,214		15,706	15,893	NO	39	0	8	5	9	38	329	169	558	597	
CO	0	0		2,805	3,096	1,637	704		8,242	8,242	CO	0	0	2	3	11	112	355	347	830	830	
KO					592				592	592	KO	0					73	58		131	131	
KC											KC	27						633		633	660	
FB											FB	76	0		187	633	1,158	2,408	867	5,253	5,329	
SF	4,929	561		21,871	18,782		13,114		53,767	59,257	SF	2,844	296		2,074	1,963	6,150	11,973	6,604	28,764	31,904	
MO				17,789	21,367	19,769	2,535		61,460	61,460	MO				6,262	1,702	1,951	2,538	454	12,907	12,907	
Total	5,116	561		46,418	45,511	25,271	22,566		139,766	145,443	Total	2,986	296	10	8,531	4,318	9,482	18,293	8,441	49,075	52,357	

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)