

Agenda Item E.2.b  
Supplemental STT Report  
April 2013

SALMON TECHNICAL TEAM

***PRELIMINARY ANALYSIS OF TENTATIVE 2013  
OCEAN SALMON FISHERY  
MANAGEMENT MEASURES***

April 7, 2013

**A. SEASON ALTERNATIVE DESCRIPTIONS**

**North of Cape Falcon**

**Supplemental Management Information**

1. Overall non-Indian TAC: 92,000 (non-mark-selective equivalent of 88,000) Chinook and 90,000 coho marked with a healed adipose fin clip (marked).
2. Non-Indian commercial troll TAC: 44,000 Chinook and 14,400 marked coho.

**U.S./Canada Border to Cape Falcon**

- May 1 through earlier of June 30 or 29,300 Chinook quota. Seven days per week (C.1). All salmon except coho (C.4, C.7). Chinook minimum size limit of 28 inches total (B), (C.1). Cape Flattery, Mandatory Yelloweye Rockfish Conservation Area, and Columbia Control Zones closed (C.4, C.5, C.6). See compliance requirements (C.1) and gear restrictions and definitions (C.2, C.3). An inseason conference call will occur when it is projected that 21,975 Chinook have been landed to consider modifying the open period to five days per week and adding landing and possession limits to ensure the guideline is not exceeded. Cape Flattery, Mandatory Yelloweye Rockfish Conservation Area, and Columbia Control Zones closed (C.5). Vessels must land and deliver their fish within 24 hours of any closure of this fishery. Under state law, vessels must report their catch on a state fish receiving ticket. Vessels fishing or in possession of salmon while fishing north of Leadbetter Point must land and deliver their fish within the area and north of Leadbetter Point. Vessels fishing or in possession of salmon while fishing south of Leadbetter Point must land and deliver their fish within the area and south of Leadbetter Point, except that Oregon permitted vessels may also land their fish in Garibaldi, Oregon. Oregon State regulations require all fishers landing salmon into Oregon from any fishery between Leadbetter Point, Washington and Cape Falcon, Oregon must notify ODFW within one hour of delivery or prior to transport away from the port of landing by either calling 541-867-0300 Ext. 271 or sending notification via e-mail to [nfalcon.trollreport@state.or.us](mailto:nfalcon.trollreport@state.or.us). Notification shall include vessel name and number, number of salmon by species, port of landing and location of delivery, and estimated time of delivery. Inseason actions may modify harvest guidelines in later fisheries to achieve or prevent exceeding the overall allowable troll harvest impacts.

**U.S./Canada Border to Cape Falcon**

- July 1 through earlier of September 17 or 14,700 preseason Chinook guideline (C.8) or a 14,400 marked coho quota (C.8.d) July 1-9 then Friday through Tuesday July 12-August 27 **with a landing and possession limit of 50 Chinook and 40 coho per vessel per open period**; Friday through Tuesday August 30-September 17 **with a landing and possession limit of 20 Chinook and 50 coho per vessel per open period** (C.1). No earlier than September 1, if at least 5,000 marked coho remain on the quota, inseason action may be considered to allow non-selective coho retention (C.8). All Salmon except no chum retention north of Cape Alava, Washington in August and September (C.7). Chinook minimum size limit of 28 inches total (B), (C.1). All coho must be marked except as noted above (C.8.d). See compliance requirements (C.1) and gear restrictions and definitions (C.2, C.3). Mandatory Yelloweye Rockfish Conservation Area, Cape Flattery and Columbia Control Zones, **and beginning August 9, Grays Harbor Control Zone Closed** (C.5). Vessels must land and deliver their fish within 24 hours of any closure of this fishery. **Vessels fishing or in possession of salmon while fishing north of Leadbetter Point must land and deliver their fish within the area and north of Leadbetter Point. Vessels fishing or in possession of salmon while fishing south of Leadbetter Point must land and deliver their fish within the area and south of Leadbetter Point**, except that Oregon permitted vessels may also land their fish in Garibaldi, Oregon. Under state law, vessels must report their catch on a state fish receiving ticket. Oregon State regulations require all fishers landing salmon into Oregon from any fishery between Leadbetter Point, Washington and Cape Falcon, Oregon must notify ODFW within one hour of delivery or prior to transport away from the port of landing by either calling 541-867-0300 Ext. 271 or sending notification via e-mail to [nfalcon.trollreport@state.or.us](mailto:nfalcon.trollreport@state.or.us). Notification shall include vessel name and number, number of salmon by species, port of landing and location of delivery, and estimated time of delivery. Inseason actions may modify harvest guidelines in later fisheries to achieve or prevent exceeding the overall allowable troll harvest impacts.

<b>A. SEASON ALTERNATIVE DESCRIPTIONS</b>
<b>South of Cape Falcon</b>
<b>Supplemental Management Information</b>
<ol style="list-style-type: none"> <li>1. Sacramento River fall Chinook spawning escapement of 463,233 adults.</li> <li>2. Sacramento Index exploitation rate of 44.5%</li> <li>3. Klamath River recreational fishery allocation: 39,907 adult Klamath River fall Chinook.</li> <li>4. Klamath tribal allocation: 114,784 adult Klamath River fall Chinook.</li> </ol>
<p><b>Cape Falcon to Humbug Mt.</b></p> <ul style="list-style-type: none"> <li>• April 1-August 29;</li> <li>• September 4-October 31 (C.9).</li> </ul> <p>Seven days per week. All salmon except coho (C.4, C.7). Chinook minimum size limit of 28 inches total (B, C.1). All vessels fishing in the area must land their fish in the State of Oregon. See gear restrictions and definitions (C.2, C.3) and Oregon State regulations for a description of special regulations at the mouth of Tillamook Bay.</p> <p>Beginning September 4, no more than 100 Chinook per vessel per landing week (Wed.-Tues.).</p> <p>In 2014, 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 2013. This opening could be modified following Council review at its March 2014 meeting.</p>
<p><b>Humbug Mt. to OR/CA Border (Oregon KMZ)</b></p> <ul style="list-style-type: none"> <li>• April 1- May 31;</li> <li>• June 1 through earlier of June 30, or a 4,000 Chinook quota;</li> <li>• July 1 through earlier of July 31, or a 3,000 Chinook quota;</li> <li>• August 1 through earlier of August 29, or a 2,000 Chinook quota (C.9).</li> <li>• September 16 through earlier of September 27 or a 1,000 Chinook quota (C.9).</li> </ul> <p>Seven days per week. All salmon except coho (C.4, C.7). Chinook 28 inch total length minimum size limit (B, C.1). <b>Prior to June 1, all fish caught in this area must be landed and delivered in the State of Oregon.</b> June 1 – August 29 landing and possession limit of 30 Chinook per vessel per day. September 16-27 landing and possession limit of 20 Chinook per vessel per day Any remaining portion of the June and/or July Chinook quotas may be transferred inseason on an impact neutral basis to the next open quota period (C.8). All vessels fishing in this area must land and deliver all fish within this area or Port Orford, within 24 hours of any closure in this fishery, and prior to fishing outside of this area. State regulations require fishers intending to transport and deliver their catch to other locations after first landing in one of these ports notify ODFW prior to transport away from the port of landing by calling (541) 867-0300 Ext. 252, with vessel name and number, number of salmon by species, location of delivery, and estimated time of delivery. See compliance requirements (C.1) and gear restrictions and definitions (C.2, C.3).</p> <p>In 2014, the season will open March 15 for all salmon except coho, with a 28 inch Chinook minimum size limit. This opening could be modified following Council review at its March 2014 meeting.</p>
<p><b>OR/CA Border to Humboldt South Jetty (California KMZ)</b></p> <ul style="list-style-type: none"> <li>• May 1 through earlier of May 31, or a 3,000 Chinook quota;</li> <li>• June 1 through earlier of June 30, or a 3,000 Chinook quota;</li> <li>• July 1 through earlier of July 31, or a 2,000 Chinook quota;</li> <li>• August 1 through earlier of August 29, or a 1,500 Chinook quota;</li> <li>• September 16 through earlier of September 30, or 6,000 Chinook quota (C.9).</li> </ul> <p>Seven days per week. All salmon except coho (C.4, C.7). Chinook minimum size limit of 27 inches total length (B, C.1). Landing and possession limit of 20 Chinook per vessel per day (C.8.g). Any remaining portion of the May, June and/or July Chinook quotas may be transferred inseason on an impact neutral basis to the next open quota period (C.8.c). All fish caught in this area must be landed within the area and within 24 hours of any closure of the fishery and prior to fishing outside the area (C.10). See compliance requirements (C.1) and gear restrictions and definitions (C.2, C.3). Klamath Control Zone closed (C.5.e). See California State regulations for additional closures adjacent to the Smith and Klamath rivers. 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>
<p><b>Humboldt South Jetty to Horse Mt.</b>                  Closed.</p>

**A. SEASON ALTERNATIVE DESCRIPTIONS**

**Horse Mt. to Point Arena (Fort Bragg)**

- May 14-31;
- June 1-8 and 23-30;
- July 15-31;
- August 1-29;
- September 1-30 (C.9).

Seven days per week. All salmon except coho (C.4, C.7). Chinook minimum size limit of 27 inches total length (B, C.1). All fish must be landed in California and offloaded within 24 hours of the August 29 closure (C.6). When the CA KMZ fishery is open, all fish caught in the area must be landed south of Horse Mountain (C.6). During September, all fish must be landed north of Point Arena (C.6). See compliance requirements (C.1) and gear restrictions and definitions (C.2, C.3).

In 2014, the season will open April 16-30 for all salmon except coho, with a 27 inch Chinook minimum size limit and the same gear restrictions as in 2013. All fish caught in the area must be landed in the area. This opening could be modified following Council review at its March 2014 meeting.

**Pt. Arena to Pigeon Pt. (San Francisco)**

- May 1-31;
- June 1-8 and 23-30;
- July 15-31;
- August 1-29;
- September 1-30 (C.9).

Seven days per week. All salmon except coho (C.4, C.7). Chinook minimum size limit of 27 inches total length prior to September 1, 26 inches thereafter (B, C.1). All fish must be landed in California and offloaded within 24 hours of the August 29 closure (C.6). During September, all fish must be landed south of Point Arena (C.6). See compliance requirements (C.1) and gear restrictions and definitions (C.2, C.3).

**Point Reyes to Point San Pedro (Fall Area Target Zone)**

- October 1-4, 7-11, and 14-15.

All salmon except coho (C.4, C.7). Chinook minimum size limit of 26 inches total length (B, C.1). All fish 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).

**Pigeon Point to U.S./Mexico Border (Monterey)**

- May 1-31;
- June 1-10 and 21-30;
- July 15-31;
- August 1-29;
- September 1-30 (C.9).

Seven days per week. All salmon except coho (C.4, C.7). Chinook minimum size limit of 27 inches total length prior to September 1, 26 inches thereafter (B, C.1). All fish must be landed in California and offloaded within 24 hours of the August 29 closure (C.6). During September, all fish must be landed south of Point Arena (C.6). See compliance requirements (C.1) and gear restrictions and definitions (C.2, C.3).

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)

**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	28.0	21.5	16.0	12.0	None
Cape Falcon to OR/CA Border	28.0	21.5	-	-	None
OR/CA Border to Humboldt South Jetty	27.0	20.5	-	-	None
Horse Mt. to Pt. Arena	27.0	20.5	-	-	None
Pt. Arena to U.S./Mexico Border					
Prior to Sept. 1	27.0	20.5	-	-	None
Sept. 1 to October 12	26.0	19.5	-	-	None

### 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 96 hours for that species of salmon. Salmon may be landed in an area that has been closed for a species of salmon more than 96 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 be landed in an area that has been closed less than 96 hours only if they meet the minimum size, landing/possession limit, or other special requirements for the areas in which they were caught and landed.~~

States may require fish landing/receiving tickets be kept on board the vessel for 90 days after landing to account for all previous salmon landings.

C.2. Gear Restrictions:

- a. Salmon may be taken only by hook and line using single point, single shank, barbless hooks.
- b. Cape Falcon, Oregon, to the OR/CA border: No more than 4 spreads are allowed per line.
- c. 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. In that portion of the fishery management area (FMA) 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:

- a. 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.
- b. 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 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.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 six 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 six nautical miles south of the Klamath River mouth).

- 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 amount 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. License applications for incidental harvest must be obtained from the International Pacific Halibut Commission (phone: 206-634-1838). Applicants must apply prior to ~~April 1, 2013~~ April 1, 2013 for 2013 permits and mid-March 2014 (exact date to be set by the IPHC in early 2014) for 2014 permits of each year. Incidental harvest is authorized only during May and June of the 2013 troll seasons and April, May, and June of the 2014 troll seasons and after June 30 in 2013 or 2014 if quota remains and if announced on the NMFS hotline (phone: 800-662-9825). ODFW and Washington Department of Fish and Wildlife (WDFW) will monitor landings. If the landings are projected to exceed the 30,568 pound preseason allocation or the total Area 2A non-Indian commercial halibut allocation, NMFS will take inseason action to prohibit retention of halibut in the non-Indian salmon troll fishery.

Alternative I - Beginning May 1, 2013, license holders may land or possess no more than one Pacific halibut per each three Chinook, except one Pacific halibut may be possessed or landed without meeting the ratio requirement, and no more than 20 halibut may be possessed or landed per trip. Pacific halibut retained must be no less than 32 inches in total length (with head on).

Alternative II - Beginning May 1, 2013, license holders may land or possess no more than one Pacific halibut per each four Chinook, except one Pacific halibut may be possessed or landed without meeting the ratio requirement, and no more than 15 halibut may be possessed or landed per trip. Pacific halibut retained must be no less than 32 inches in total length (with head on).

Alternative III - Beginning May 1, 2013, license holders may land or possess no more than one Pacific halibut per each five Chinook, except one Pacific halibut may be possessed or landed without meeting the ratio requirement, and no more than 10 halibut may be possessed or landed per trip. Pacific halibut retained must be no less than 32 inches in total length (with head on).

Incidental Pacific halibut catch regulations in the commercial salmon troll fishery adopted for 2013 will be in effect when incidental Pacific halibut retention opens on April 1, 2014 unless otherwise modified by inseason action.

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

- a. Chinook remaining from the May through June non-Indian commercial troll harvest guideline north of Cape Falcon may be transferred to the July through September harvest guideline if the transfer would not result in exceeding preseason impact expectations on any stocks.
- b. Chinook remaining from the June and/or July non-Indian commercial troll quotas in the Oregon KMZ may be transferred to the Chinook quota for the next open period if the transfer would not result in exceeding preseason impact expectations on any stocks.
- c. Chinook remaining from the May, June and/or July non-Indian commercial troll quotas in the California KMZ may be transferred to the Chinook quota for the next open period if the transfer would not result in exceeding preseason impact expectations on any stocks.
- d. NMFS may transfer fish 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.

- e. At the March 2014 meeting, the Council will consider inseason recommendations for special regulations for any experimental fisheries (proposals must meet Council protocol and be received in November 2013).
  - f. If retention of unmarked coho is permitted by inseason action, the allowable coho quota will be adjusted to ensure preseason projected impacts on all stocks is not exceeded.
  - g. 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:
- a. The State of Oregon may establish additional late-season fisheries in state waters.
  - b. The State of California may establish limited fisheries in selected state waters.
- 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.

<b>A. SEASON ALTERNATIVE DESCRIPTIONS</b>
<b>North of Cape Falcon</b>
<b>Supplemental Management Information</b>
1. Overall non-Indian TAC: 92,000 (non-mark-selective equivalent of 88,000) Chinook and 90,000 coho marked with a healed adipose fin clip (marked). 2. Recreational TAC: 48,000 (non-mark selective equivalent of 44,000) Chinook and 75,600 marked coho; all retained coho must be marked. 4. No Area 4B add-on fishery. 5. Buoy 10 fishery opens August 1 with an expected landed catch of 13,000 marked coho in August and September.
<b>U.S./Canada Border to Queets River</b> <ul style="list-style-type: none"> <li>May 11-12, May 18-19, and June 22-28 or a coastwide <b>marked Chinook quota of 8,000</b> (C.5).                              Seven days per week. Two fish per day, all salmon except coho, <b>all Chinook must be marked with a healed adipose fin clip (C.1)</b>. Chinook 24-inch total length minimum size limit (B). See gear restrictions (C.2). Inseason management may be used to sustain season length and keep harvest within the overall Chinook recreational TAC for north of Cape Falcon (C.5).</li> </ul>
<b>Queets River to Leadbetter Point</b> <ul style="list-style-type: none"> <li>June 8 through earlier of June 22 or a coastwide <b>marked Chinook quota of 8,000</b> (C.5).                              Seven days per week. Two fish per day, all salmon except coho, <b>all Chinook must be marked with a healed adipose fin clip (C.1)</b>. Chinook 24-inch total length minimum size limit (B). See gear restrictions (C.2). Inseason management may be used to sustain season length and keep harvest within the overall Chinook recreational TAC for north of Cape Falcon (C.5).</li> </ul>
<b>Leadbetter Point to Cape Falcon</b> <ul style="list-style-type: none"> <li>June 8 through earlier of June 21 or a coastwide <b>marked Chinook quota of 8,000</b> (C.5).                              Seven days per week. Two fish per day, all salmon except coho, <b>all Chinook must be marked with a healed adipose fin clip (C.1)</b>. Chinook 24-inch total length minimum size limit (B). See gear restrictions (C.2). Inseason management may be used to sustain season length and keep harvest within the overall Chinook recreational TAC for north of Cape Falcon (C.5).</li> </ul>
<b>U.S./Canada Border to Cape Alava (Neah Bay)</b> <ul style="list-style-type: none"> <li>June 29 through earlier of September 22 or 7,860 marked coho subarea quota with a subarea guideline of 4,900 Chinook (C.5).                              Seven days per week. All salmon except no chum beginning August 1; two fish per day, plus two additional pink salmon. All coho must be marked (C.1). Beginning August 1, Chinook non-retention east of the Bonilla-Tatoosh line (C.4.a) during Council managed ocean fishery. See gear restrictions and definitions (C.2, C.3). Inseason management may be used to sustain season length and keep harvest within the overall Chinook and coho recreational TACs for north of Cape Falcon (C.5).</li> </ul>
<b>Cape Alava to Queets River (La Push Subarea)</b> <ul style="list-style-type: none"> <li>June 29 through earlier of September 22 or 1,920 marked coho subarea quota with a subarea guideline of 1,650 Chinook (C.5).</li> <li>September 28 through earlier of October 13 or 50 marked coho quota or 50 Chinook quota (C.5) in the area north of 47°50'00" N. lat. and south of 48°00'00" N. lat.</li> </ul> Seven days per week. All salmon, two fish per day, plus two additional pink salmon. All coho must be marked (see <i>Ocean Boat Limits</i> , C.1). See gear restrictions and definitions (C.2, C.3). Inseason management may be used to sustain season length and keep harvest within the overall Chinook and coho recreational TACs for north of Cape Falcon (C.5).
<b>Queets River to Leadbetter Point (Westport Subarea)</b> <ul style="list-style-type: none"> <li>June 23 through earlier of September 30 or 27,970 marked coho subarea quota with a subarea guideline of 23,500 Chinook (C.5).                              Sunday through Thursday. All salmon; two fish per day, no more than one of which can be a Chinook. All coho must be marked (C.1). See gear restrictions and definitions (C.2, C.3). Grays Harbor Control Zone closed beginning August 11 (C.4). 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).</li> </ul>
<b>Leadbetter Point to Cape Falcon (Columbia River Subarea)</b> <ul style="list-style-type: none"> <li>June 22 through earlier of September 30 or 37,800 marked coho subarea quota with a subarea guideline of 9,900 Chinook (C.5).                              Seven days per week. All salmon, two fish per day, only one of which can be a Chinook. All coho must be marked (C.1). See gear restrictions and definitions (C.2, C.3). Columbia Control Zone closed (C.4). 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).</li> </ul>



<b>A. SEASON ALTERNATIVE DESCRIPTIONS</b>
<b>South of Cape Falcon</b>
<b>Supplemental Management Information</b>
<ol style="list-style-type: none"> <li>1. Sacramento River fall Chinook spawning escapement of 463,233 adults.</li> <li>2. Sacramento Index exploitation rate of 44.5%</li> <li>3. Klamath River recreational fishery allocation: 39,907 adult Klamath River fall Chinook.</li> <li>4. Klamath tribal allocation: 114,784 adult Klamath River fall Chinook.</li> <li>5. Overall recreational TAC: 12,000 marked coho and 16,000 unmarked coho.</li> </ol>
<p><b>Cape Falcon to Humbug Mt.</b></p> <ul style="list-style-type: none"> <li>• March 15 through October 31 (C.6), except as provided below during the July all-salmon mark-selective and September non-mark-selective coho fisheries.</li> </ul> <p>Seven days per week. All salmon except coho; two fish per day (C.1). Chinook minimum size limit of 24 inches total length. See gear restrictions and definitions (C.2, C.3).</p> <ul style="list-style-type: none"> <li>• <b>Non-mark-selective coho fishery:</b> September 1 through the earlier of September 30 or a landed catch of 16,000 <b>non-mark-selective coho quota (C.5).</b></li> </ul> <p>September 1-2, then Thursday through Saturday thereafter; <b>all salmon</b>, two fish per day (C.5);          September 3-4, then Sunday through Wednesday thereafter; <b>all salmon except coho</b>, two fish per day. The all salmon except coho season reopens the earlier of October 1 or attainment of the coho quota. Open days may be adjusted inseason to utilize the available coho quota (C.5).</p> <p>In 2014, the season between Cape Falcon and Humbug Mountain will open March 15 for all salmon except coho, two fish per day (B, C.1, C.2, C.3).</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>
<p><b>Cape Falcon to OR/CA Border</b></p> <ul style="list-style-type: none"> <li>• <b>All-salmon mark-selective coho fishery:</b> July 1 through earlier of July 31 or a landed catch of 12,000 marked coho.</li> </ul> <p>Seven days per week. All salmon, two fish per day. All retained coho must be marked (C.1). Any remainder of the mark selective coho quota will be transferred on an impact neutral basis to the September non-selective coho quota from Cape Falcon to Humbug Mountain. The all salmon except coho season reopens the earlier of August 1 or attainment of the coho quota.</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>
<p><b>Humbug Mt. to OR/CA Border. (Oregon KMZ)</b></p> <ul style="list-style-type: none"> <li>• May 1 through September 8 except as provided above during the all-salmon mark-selective coho fishery (C.6).</li> </ul> <p>All salmon except coho, except as noted above in the all-salmon mark-selective coho fishery. Seven days per week, 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><b>OR/CA Border to Horse Mt. (California KMZ)</b></p> <ul style="list-style-type: none"> <li>• May 1 through September 8 (C.6).</li> </ul> <p>Seven days per week. All salmon except coho, two fish per day (C.1). Chinook minimum size limit of 20 inches total length (B). See gear restrictions and definitions (C.2, C.3). Klamath Control Zone closed in August (C.4.e). See California State regulations for additional closures adjacent to the Smith, Eel, and Klamath rivers.</p>
<p><b>Horse Mt. to Point Arena (Fort Bragg)</b></p> <ul style="list-style-type: none"> <li>• April 6 through November 10.</li> </ul> <p>Seven days per week. All salmon except coho, two fish 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 2014, season opens April 5 for all salmon except coho, two fish per day (C.1). Chinook minimum size limit of 20 inches total length (B); and the same gear restrictions as in 2013 (C.2, C.3).</p>

**A. SEASON ALTERNATIVE DESCRIPTIONS**

<p><b>Point Arena to Pigeon Point (San Francisco)</b></p> <ul style="list-style-type: none"> <li>• April 6 through November 10</li> </ul> <p>Open five days per week (Weds.-Sun.) June 1 through July 9, seven days per week otherwise. All salmon except coho, two fish per day (C.1).. Chinook minimum size limit of 24 inches total length through July 31; 20 inches thereafter (B). See gear restrictions and definitions (C.2, C.3).</p> <p>In 2014, season opens April 5 for all salmon except coho, two fish per day (C.1). Chinook minimum size limit of 24 inches total length (B); and the same gear restrictions as in 2013 (C.2, C.3).</p>
<p><b>Pigeon Point to U.S./Mexico Border (Monterey)</b></p> <ul style="list-style-type: none"> <li>• April 6 through October 6.</li> </ul> <p>Open five days per week (Weds.-Sun.) June 1 through July 9, seven days per week otherwise. All salmon except coho, two fish per day (C.1). Chinook minimum size limit of 24 inches total length through July 31; 20 inches thereafter (B). See gear restrictions and definitions (C.2, C.3).</p> <p>In 2014, season opens April 5 for all salmon except coho, two fish per day (C.1). Chinook minimum size limit of 24 inches total length (B); and the same gear restrictions as in 2013 (C.2, C.3).</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
North of Cape Falcon	24.0	16.0	None
Cape Falcon to Humbug Mt.	24.0	16.0	None
Humbug Mt. to OR/CA Border	24.0	16.0	None
OR/CA Border to Horse Mountain	20.0	-	20.0
Horse Mt. to Pt. Arena	20.0	-	20.0
Pt. Arena. to U.S./Mexico Border:	Through July 31	-	24.0
	After July 31	20.0	20.0

**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.

*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 ~~has~~ have been attained (additional state restrictions may apply).

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

- a. *U.S./Canada Border to Point 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. [Note: ODFW regulations in the state-water fishery off Tillamook Bay may allow the use of barbed hooks to be consistent with inside regulations.]
- b. *Horse Mountain, California, to Point 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. REQUIREMENTS, DEFINITIONS, RESTRICTIONS, OR EXCEPTIONS**

**C.3. Gear Definitions:**

- a. ~~Recreational fishing gear defined: Angling tackle consisting of a line with no more than one artificial lure and/or natural bait attached.~~ Off Oregon and Washington, angling tackle consists of a single line that ~~the line~~ 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 Point Conception, no person fishing for salmon, and no person fishing from a boat with salmon on board, may use more than one rod and line. Fishing includes any activity which can reasonably be expected to result in the catching, taking, or harvesting of fish.
- b. *Trolling defined:* Angling from a boat or floating device that is making way by means of a source of power, other than drifting by means of the prevailing water current or weather conditions.
- c. *Circle hook defined:* A hook with a generally circular shape and a point which turns inward, pointing directly to the shank at a 90° angle.

**C.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 Point (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 six 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 Salmon Advisory Subpanel (SAS), and if the transfer would not result in exceeding preseason impact expectations on any stocks.

*Alternative I & II:*

- d. Fishery managers may consider inseason action permitting the retention of unmarked coho. Such a consideration may also include a change in bag limit of two salmon, no more than one of which may be a coho. If retention of unmarked coho is permitted by inseason action, the allowable coho quota will be adjusted to ensure preseason projected impacts on all stocks is not exceeded.

*Alternative III*

- d. Fishery managers may consider inseason action ~~permitting the retention of unmarked coho~~ modifying regulations restricting retention of unmarked coho. To ensure that preseason projected impacts of the fishery are not exceeded, any inseason action shall consider, if significant, the difference between observed and preseason forecasted 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.—If

~~retention of unmarked coho is permitted by inseason action, the allowable coho quota will be adjusted to ensure preseason projected impacts on all stocks is not exceeded.~~

- e. Marked coho remaining from the July Cape Falcon to OR/CA border recreational coho quota may be transferred inseason to the September Cape Falcon to Humbug Mountain non-mark-selective recreational fishery if the transfer would not result in exceeding preseason impact expectations on any stocks.

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

TABLE 3. Treaty Indian ocean troll management measures collated by the STT for ocean salmon fisheries, 2013.  
(Page 1 of 1)

<b>A. SEASON DESCRIPTIONS</b>
<b>Supplemental Management Information</b>
1. Overall Treaty-Indian TAC: 52,500 Chinook and 47,500 coho.
<p>May 1 through the earlier of June 30 or 26,250 Chinook quota.                      All salmon except coho. If the Chinook quota for the May-June fishery is not fully utilized, the excess fish may be transferred to the later all-salmon season (C.5.a). 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"> <li>July 1 through the earlier of September 15, or 26,250 preseason Chinook quota (C.5), or 47,500 coho quota.</li> </ul> All Salmon. See size limit (B) and other restrictions (C).

<b>B. MINIMUM SIZE (Inches)</b>					
Area (when open)	Chinook		Coho		Pink
	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 (All).

MAKAH - Washington State Statistical Area 4B and that portion of the FMA north of 48°02'15" N. lat. (Norwegian Memorial) and east of 125°44'00" W. long.

QUILEUTE - That portion of the FMA between 48°07'36" N. lat. (Sand Pt.) and 47°31'42" N. lat. (Queets River) and east of 125°44'00" W. long.

HOH - That portion of the FMA between 47°54'18" N. lat. (Quillayute River) and 47°21'00" N. lat. (Quinault River) and east of 125°44'00" W. long.

QUINAULT - That portion of the FMA between 47°40'06" N. lat. (Destruction Island) and 46°53'18"N. lat. (Point Chehalis) and east of 125°44'00" W. long.

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 will continue a ceremonial and subsistence fishery during the time frame of September 15 through October 15 in the same manner as in 2004-2012. Fish taken during this fishery are to be counted against treaty troll quotas established for the 2013 season (estimated harvest during the October ceremonial and subsistence fishery: 100 Chinook; 200 coho).

C.4. Area Closures

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

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

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

TABLE 5. Projected key stock escapements (thousands of fish) or management criteria for 2013 ocean fishery Alternatives analyzed by the STT.<sup>a/</sup> (Page 1 of 3)

Key Stock/Criteria	Projected Ocean Escapement <sup>b/</sup> or Other Criteria (Council Area Impacts in Parenth)	Spaw ner Objective or Other Comparative Standard as Noted
<b>CHINOOK</b>		
Columbia Upriver Brights	427.0	74.0 Minimum ocean escapement to attain 60.0 adults over McNary Dam, with normal distribution and no mainstem harvest.
Mid-Columbia Brights	103.9	11.0 Minimum ocean escapement to attain 4.7 adults for Bonneville Hatchery and 2.0 for Little White Salmon Hatchery egg-take, assuming average conversion and no mainstem harvest.
Columbia Low er River Hatchery Tules	86.9	23.8 Minimum ocean escapement to attain 10.3 adults for hatchery egg-take, with average conversion and no low er river mainstem or tributary harvest.
Columbia Low er River Natural Tules (threatened)	40.8%	≤ 41.0% Total adult equivalent fishery exploitation rate (2013 NMFS ESA guidance).
Columbia Low er River Wild <sup>c/</sup> (threatened)	14.3	6.9 Minimum ocean escapement to attain MSY spaw ner goal of 5.7 for N. Lewis River fall Chinook (NMFS ESA consultation standard).
Spring Creek Hatchery Tules	36.3	8.2 Minimum ocean escapement to attain 7.0 adults for Spring Creek Hatchery egg-take, assuming average conversion and no mainstem harvest.
Snake River Fall (threatened) SRFI	52.0%	≤ 70.0% Of 1988-1993 base period exploitation rate for all ocean fisheries (NMFS ESA consultation standard).
Klamath River Fall	73.8	≥ 73.8 2013 preseason ACL.
Federally recognized tribal harvest	50.0%	50.0% Equals 114.8 (thousand) adult fish for Yurok and Hoopa Valley tribal fisheries.
Spaw ner Reduction Rate	68.0%	≤ 68.0% FMP; equals 156.7 (thousand) few er natural area adult spaw ners due to fishing.
Adult river mouth return	272.3	NA Total adults.
Age 4 ocean harvest rate	<b>16.1%</b>	≤ 16.0% NMFS ESA consultation standard for threatened California Coastal Chinook.
KMZ sport fishery share	9.6%	No Council guidance for 2013.
River recreational fishery share	34.8%	NA Equals 39.9 (thousand) adult fish for recreational inriver fisheries.
Sacramento River Winter (endangered)	<b>13.3%</b>	≤ 12.9% 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 betw een 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 betw een May 1 and September 30, except Pt. Reyes to Pt. San Pedro betw een October 1 and 15. Minimum size limit ≥ 26 inches total length (NMFS 2013 ESA Guidance).

TABLE 5. Projected key stock escapements (thousands of fish) or management criteria for 2013 ocean fishery Alternatives adopted by the Council.<sup>a/</sup> (Page 2 of 3)

Key Stock/Criteria	Projected Ocean Escapement <sup>b/</sup> or Other Criteria (Council Area Impacts in Parenth)	Spaw ner Objective or Other Comparative Standard as Noted
Sacramento River Fall	463.2	≥ 250.3 2013 preseason ACL.
Sacramento Index Exploitation Rate	44.5%	≤ 70.0% F <sub>ACL</sub> exploitaion rate under the default rebuilding pain control rule.
Ocean commercial impacts	199.0	All alternatives include fall (Sept-Dec) 2012 impacts (23.5 thousand SRFC).
Ocean recreational impacts	96.6	All alternatives include fall 2012 impacts (7.8 thousand SRFC).
River recreational impacts	75.4	No guidance in 2013.
Hatchery spaw ner goal	Met	22.0 Aggregate number of adults to achieve egg take goals at Coleman, Feather River, and Nimbus hatcheries.
<b>COHO</b>		
Interior Fraser (Thompson River)	<b>10.3% (4.5%)</b>	≤ 10.0% 2013 Southern U.S. exploitation rate ceiling; 2002 PSC coho agreement.
Skagit	36.1% (4.2%)	≤ 60.0% 2013 total exploitation rate ceiling; FMP matrix <sup>d/</sup>
Stillaguamish	27.0% (2.9%)	≤ 50.0% 2013 total exploitation rate ceiling; FMP matrix <sup>d/</sup>
Snohomish	24.2% (2.9%)	≤ 60.0% 2013 total exploitation rate ceiling; FMP matrix <sup>d/</sup>
Hood Canal	<b>51.0% (4.6%)</b>	≤ 45.0% 2013 total exploitation rate ceiling; FMP matrix <sup>d/</sup>
Strait of Juan de Fuca	12.9% (3.8%)	≤ 40.0% 2013 total exploitation rate ceiling; FMP matrix <sup>d/</sup>
Quillayute Fall	16.0	6.3 FMP MSY adult spaw ner estimate <sup>d/</sup> . Value depicted is ocean escapement.
Hoh	7.4	2.5 FMP MSY adult spaw ner estimate <sup>d/</sup> . Value depicted is ocean escapement.
Queets Wild	19.2	5.8 FMP MSY adult spaw ner estimate <sup>d/</sup> . Value depicted is ocean escapement.
Grays Harbor	179.7	24.4 FMP MSY adult spaw ner estimate <sup>d/</sup> . Value depicted is ocean escapement.
Lower Columbia River Natural (threatened)	11.3%	≤ 15.0% Total marine and mainstem Columbia River fishery exploitation rate (2013 NMFS ESA guidance). Value depicted is ocean fishery exploitation rate only.
Upper Columbia <sup>e/</sup>	>50%	≥ 50% Minimum percentage of the run to Bonneville Dam.
Columbia River Hatchery Early	273.6	36.7 Minimum ocean escapement to attain hatchery egg-take goal of 14.3 early adult coho, with average conversion and no mainstem or tributary fisheries.
Columbia River Hatchery Late	142.2	9.6 Minimum ocean escapement to attain hatchery egg-take goal of 6.0 late adult coho, with average conversion and no mainstem or tributary fisheries.
Oregon Coastal Natural	23.7% <sup>f/</sup>	≤ 30.0% Marine and freshwater fishery exploitation rate (NMFS ESA consultation standard).
Southern Oregon/Northern California Coast (threatened)	7.7%	≤ 13.0% Marine fishery exploitation rate for R/K hatchery coho (NMFS ESA consultation standard).

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TABLE 5. Projected key stock escapements (thousands of fish) or management criteria for 2013 ocean fishery Alternatives analyzed by the STT.<sup>a/</sup> (Page 3 of 3)

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a/ Reflects 2013 fisheries and abundance estimates.

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 spawning 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 all marine impacts prior to the Buoy 10 fishery. Exploitation rates for OCN coho include impacts of freshwater fisheries. 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 minor contributions from East Fork Lewis River and Sandy River.

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. Total exploitation rate includes Alaskan, Canadian, Council area, Puget Sound, and freshwater fisheries and is calculated as total fishing mortality divided by total fishing mortality plus spawning escapement. These total exploitation rates reflect the initial base package for inside fisheries developed by state and tribal co-managers. It is anticipated that total exploitation rates will be adjusted by state and tribal co-managers during the preseason planning process to comply with stock specific exploitation

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

f/ Modeled as if the maximum amount of marked coho quota from July is rolled into the non-mark-selective coho quota in September without increasing the projected impacts on OCN coho by more than 2.5 percent while remaining impact neutral on LCN coho.



TABLE 7. Expected coastwide lower Columbia Natural (LCN) Oregon coastal natural (OCN) and Rogue/Klamath (RK) coho, and Lower Columbia River (LCR) tule Chinook exploitation rates by fishery for 2013 ocean fisheries

Fishery	Exploitation Rate (Percent)			
	LCN Coho	OCN Coho	RK Coho	LCR Tule
SOUTHEAST ALASKA	0.0%	0.0%	0.0%	2.1%
BRITISH COLUMBIA	0.1%	0.3%	0.2%	10.7%
PUGET SOUND/STRAIT	0.2%	0.1%	0.0%	0.4%
NORTH OF CAPE FALCON				
Treaty Indian Ocean Troll	2.0%	0.4%	0.0%	6.9%
Recreational	4.4%	0.7%	0.0%	3.4%
Non-Indian Troll	1.8%	0.5%	0.0%	7.3%
SOUTH OF CAPE FALCON				
Recreational:				0.1%
Cape Falcon to Humbug Mt.	1.7%	8.4%	0.2%	
Humbug Mt. OR/CA border (KMZ)	0.1%	0.3%	0.7%	
OR/CA border to Horse Mt. (KMZ)	0.1%	0.4%	2.1%	
Fort Bragg	0.0%	0.4%	1.2%	
South of Pt. Arena	0.0%	0.3%	0.7%	
Troll:				2.0%
Cape Falcon to Humbug Mt.	0.6%	0.8%	0.1%	
Humbug Mt. OR/CA border (KMZ)	0.0%	0.0%	0.1%	
OR/CA border to Horse Mt. (KMZ)	0.0%	0.2%	0.5%	
Fort Bragg	0.0%	0.6%	1.4%	
South of Pt. Arena	0.0%	0.3%	0.2%	
BUOY 10	0.7%	0.1%	0.0%	7.8%
ESTUARY/FRESHWATER	N/A	10.0%	0.2%	
TOTAL <sup>a/</sup>	11.3%	23.7% <sup>b/</sup>	7.7%	40.8%

a/ Totals do not include estuary/freshwater for LCN coho.

b/ Modeled as if the maximum amount of marked coho quota from July is rolled into the non-mark-selective coho quota in September without increasing the projected impacts on OCN coho by more than 2.5 percent while remaining impact neutral on LCN coho.

TABLE A-1. Klamath River fall Chinook age-4 ocean HARVEST by month, area, and fishery. In 2013, harvest of 53,000 age-4 KRFC equals a 16% ocean harvest rate.

Commercial											Recreational											
16.1% Total																						
Port Area	Fall 2012		Summer 2013						Summer Total	Year Total	Port Area	Fall 2012			Summer 2013						Summer Total	Year Total
	Sept	Oct-Dec	Mar	Apr	May	Jun	Jul	Aug				Sep	Oct	Nov-Dec	Mar	Apr	May	Jun	Jul	Aug		
NO	395	132	0	513	1,002	340	335	1,086	3,276	3,803	NO	109	0	0	0	0	0	0	39	7	46	155
CO	396	0	0	1,296	1,547	1,128	1,759	3,188	8,918	9,314	CO	14	0	0	0	0	8	18	102	35	163	177
KO	159	0	0	0	124	913	816	498	2,351	2,510	KO	547	45	0	0	0	12	93	199	726	1,030	1,622
KC	739	0	0	0	1,993	1,292	551	467	4,303	5,042	KC	634	0	0	0	0	426	531	481	919	2,357	2,991
FB	0	0	0	0	2,756	5,077	8,288	3,375	19,496	19,496	FB	0	0	0	0	10	99	226	294	70	699	699
SF	0	0	0	0	1,315	1,520	2,673	440	5,948	5,948	SF	0	0	0	0	95	57	163	184	9	508	508
MO	0	0	0	0	319	339	256	4	918	918	MO	0	0	0	0	71	15	19	46	6	157	157
<b>Total</b>	<b>1,689</b>	<b>132</b>	<b>0</b>	<b>1,808</b>	<b>9,056</b>	<b>10,610</b>	<b>14,678</b>	<b>9,059</b>	<b>45,211</b>	<b>47,032</b>	<b>Total</b>	<b>1,304</b>	<b>45</b>	<b>0</b>	<b>0</b>	<b>176</b>	<b>618</b>	<b>1,051</b>	<b>1,345</b>	<b>1,771</b>	<b>4,961</b>	<b>6,310</b>
<b>14.2%</b>											<b>1.9%</b>											

TABLE A-2. Sacramento River Winter run Chinook age-3 ocean impact rate south of Pt. Arena by month, area, and fishery.

Commercial										Recreational										
13.3 %Total																				
Port Area	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Total	Port Area	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year Total
SF	0.20	0.44	0.27	0.17	0.01	0.00	NA	NA	1.09	SF	0.18	0.42	0.71	1.36	0.69	0.06	0.20	0.04	NA	3.66
MO	0.36	1.05	0.33	0.25	0.00	NA	NA	NA	1.99	MO	1.08	0.66	1.19	2.55	0.98	0.11	0.03	NA	NA	6.60
<b>Total</b>	<b>0.56</b>	<b>1.49</b>	<b>0.60</b>	<b>0.42</b>	<b>0.01</b>	<b>0.00</b>			<b>3.08</b>	<b>Total</b>	<b>1.26</b>	<b>1.08</b>	<b>1.90</b>	<b>3.91</b>	<b>1.67</b>	<b>0.17</b>	<b>0.23</b>	<b>0.04</b>		<b>10.26</b>