

SALMON TECHNICAL TEAM

***ANALYSIS
OF PRELIMINARY
SALMON MANAGEMENT OPTIONS
FOR 2010 OCEAN FISHERIES***

March 11, 2010

TABLE 1. Commercial troll management options analyzed by the STT for non-Indian ocean salmon fisheries, 2010 (Page 1 of 8)			3/11/2010 9:12 AM
A. SEASON OPTION DESCRIPTIONS			
OPTION I	OPTION II	OPTION 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: Non-mark-selective equivalent of 110,000 Chinook and 110,000 coho marked with a healed adipose fin clip (marked).</p> <p>2. Non-Indian commercial troll TAC: 55,000 Chinook and 19,200 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: 95,000 Chinook and 100,000 coho marked with a healed adipose fin clip (marked).</p> <p>2. Non-Indian commercial troll TAC: 47,500 Chinook and 17,600 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: 80,000 Chinook and 70,000 coho marked with a healed adipose fin clip (marked).</p> <p>2. Non-Indian commercial troll TAC: 40,000 Chinook and 11,200 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>U.S./Canada Border to Cape Falcon</p> <ul style="list-style-type: none"> May 1 through earlier of June 30 or 41,250 Chinook quota. <p>Seven days per week (C.1). All salmon except coho (C.7). Cape Flattery, Mandatory Yelloweye Rockfish Conservation Area, and Columbia Control Zones closed (C.5). See gear restrictions and definitions (C.2, C.3).</p> <p>An inseason conference call will occur when it is projected that 30,000 Chinook have been landed to consider modifying the open period and adding landing and possession limits to extend the fishery through the end of June.</p>	<p>U.S./Canada Border to Cape Falcon</p> <ul style="list-style-type: none"> May 1 through earlier of June 30 or 31,825 Chinook quota. <p>Seven days per week (C.1). All salmon except coho (C.7). Cape Flattery, Mandatory Yelloweye Rockfish Conservation Area, and Columbia Control Zones closed (C.5). See gear restrictions and definitions (C.2, C.3).</p>	<p>U.S./Canada Border to Cape Falcon</p> <ul style="list-style-type: none"> May 1 through earlier of June 30 or 26,800 Chinook quota. <p>Seven days per week through May 31; June 1-8, then Saturday through Tuesday thereafter (C.1). Beginning June 1, landing and possession limit of 200 Chinook per vessel per open period. All salmon except coho (C.7). Cape Flattery, Mandatory Yelloweye Rockfish Conservation Area, and Columbia Control Zones closed (C.5). See gear restrictions and definitions (C.2, C.3).</p>	
<p>Oregon State regulations require that fishers south of Cape Falcon, OR intending to fish within this area notify Oregon Department of Fish and Wildlife before transiting the Cape Falcon, OR line (45°46'00" N. lat.) at the following number: 541-867-0300 Ext. 271. 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 calling 541-867-0300 Ext. 271. 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>			

TABLE 1. Commercial troll management options analyzed by the STT for non-Indian ocean salmon fisheries, 2010 (Page 2 of 8) 3/11/2010 9:12 AM

A. SEASON OPTION DESCRIPTIONS		
OPTION I	OPTION II	OPTION III
<p>U.S./Canada Border to Cape Falcon</p> <ul style="list-style-type: none"> July 1 through earlier of September 14 or 13,750 preseason Chinook guideline (C.8) or a 19,200 marked coho quota (C.8.d). <p>Open July 1-6, then Friday through Tuesday through July 27, then Saturday through Tuesday thereafter. Landing and possession limit of 200 Chinook and 50 coho per vessel per open period north of Leadbetter Point or 200 Chinook and 50 coho south of Leadbetter Point through July 27; 100 Chinook and 50 coho per vessel per open period north of Leadbetter Point or 100 Chinook and 50 coho south of Leadbetter Point thereafter (C.1). All Salmon except no chum retention north of Cape Alava, Washington in August and September (C.7). All coho must be marked (C.8.d). See gear restrictions and definitions (C.2, C.3). Cape Flattery, Mandatory Yelloweye Rockfish Conservation Area, and Columbia Control Zones closed (C.5).</p>	<p>U.S./Canada Border to Cape Falcon</p> <ul style="list-style-type: none"> July 1 through earlier of September 14 or 15,675 preseason Chinook guideline (C.8) or a 17,600 marked coho quota (C.8.d). <p>Open July 1-6, then Saturday through Tuesday thereafter. Landing and possession limit of 200 Chinook and 50 coho per vessel per open period north of Leadbetter Point or 200 Chinook and 50 coho south of Leadbetter Point through July 27; 100 Chinook and 50 coho per vessel per open period north of Leadbetter Point or 100 Chinook and 50 coho south of Leadbetter Point thereafter (C.1). All Salmon except no chum retention north of Cape Alava, Washington in August and September (C.7). All coho must be marked (C.8.d). See gear restrictions and definitions (C.2, C.3). Cape Flattery, Mandatory Yelloweye Rockfish Conservation Area, and Columbia Control Zones closed (C.5).</p>	<p>U.S./Canada Border to Cape Falcon</p> <ul style="list-style-type: none"> July 1 through earlier of September 14 or 13,200 preseason Chinook guideline (C.8) or an 11,200 marked coho quota (C.8.d). <p>Open July 1-7, then Saturday through Tuesday thereafter. Landing and possession limit of 150 Chinook and 50 coho per vessel per open period north of Leadbetter Point or 150 Chinook and 50 coho south of Leadbetter Point (C.1). All Salmon except no chum retention north of Cape Alava, Washington in August and September (C.7). All coho must be marked (C.8.d). Gear restricted to plugs 5 inches or longer; see gear restrictions and definitions (C.2, C.3). Cape Flattery, Mandatory Yelloweye Rockfish Conservation Area, and Columbia Control Zones closed (C.5).</p>
<p>Oregon State regulations require that fishers south of Cape Falcon, OR intending to fish within this area notify Oregon Department of Fish and Wildlife before transiting the Cape Falcon, OR line (45°46'00" N. lat.) at the following number: 541-867-0300 Ext. 271. 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 calling 541-867-0300 Ext. 271. 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>		

TABLE 1. Commercial troll management options analyzed by the STT for non-Indian ocean salmon fisheries, 2010 (Page 3 of 8)			3/11/2010 9:12 AM
A. SEASON OPTION DESCRIPTIONS			
OPTION I	OPTION II	OPTION 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 Basin recreational fishery catch assumption: quota of 23,249 adult Sacramento River fall Chinook (24.3% of the total allowable harvest). 2. Sacramento River fall Chinook spawning escapement of 150,000 adults. 3. Klamath River recreational fishery allocation: 9,843 adult Klamath River fall Chinook. 4. Klamath tribal allocation: 35,399 adult Klamath River fall Chinook. 5. 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 Basin recreational fishery catch assumption: quota of 6,000 adult Sacramento River fall Chinook (9.2% of the total allowable harvest). 2. Sacramento River fall Chinook spawning escapement of 180,037 adults. 3. Klamath River recreational fishery allocation: 15,479 adult Klamath River fall Chinook. 4. Klamath tribal allocation: 34,395 adult Klamath River fall Chinook. 5. 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 Basin recreational fishery catch assumption: closed. 2. Sacramento River fall Chinook spawning escapement of 230,024 adults. 3. Klamath River recreational fishery allocation: 24,156 adult Klamath River fall Chinook. 4. Klamath tribal allocation: 32,704 adult Klamath River fall Chinook. 5. Fisheries may need to be adjusted to meet NMFS ESA consultation standards, FMP requirements, other management objectives, or upon receipt of new allocation recommendations from the California Fish and Game Commission. 	
<p>Cape Falcon to Humbug Mt.</p> <ul style="list-style-type: none"> • May 1-August 25; September 1-30 (C.9). <p>All salmon except coho; landing and possession limit of 100 Chinook per vessel per calendar week in September (C.7). 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>In 2011, the season will open March 15 for all salmon except coho. This opening could be modified following Council review at its March 2011 meeting.</p>	<p>Cape Falcon to Humbug Mt.</p> <ul style="list-style-type: none"> • May 1-July 6, July 10-13, 17-20, 24-27, August 1-25 (C.9). <p>All salmon except coho (C.7). 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>In 2011, same as Option I</p>	<p>Cape Falcon to Humbug Mt.</p> <ul style="list-style-type: none"> • May 1-July 7, July 10-13, 17-20, 24-27, August 1-18 (C.9). <p>All salmon except coho (C.7). 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> <ul style="list-style-type: none"> • September 1-30 <p>Sufficient impacts to conduct experimental genetic stock identification study. All salmon must be released in good condition after collection of biological samples.</p> <p>In 2011, same as Option I</p>	

TABLE 1. Commercial troll management options analyzed by the STT for non-Indian ocean salmon fisheries, 2010 (Page 4 of 8)		
A. SEASON OPTION DESCRIPTIONS		
OPTION I	OPTION II	OPTION III
<p>Humbug Mt. to OR/CA Border (Oregon KMZ)</p> <ul style="list-style-type: none"> • May 1-31; • June 1 through earlier of June 30, or a 1,000 Chinook quota; • July 1 through earlier of July 31, or a 1,000 Chinook quota; • Aug. 1 through earlier of Aug. 31, or a 1,000 Chinook quota (C.9). <p>All salmon except coho (C.7). Chinook 28 inch total length minimum size limit (B). Prior to May 31, landing and possession limit of 100 Chinook per vessel per calendar week; all vessels fishing in the area must land their fish in the area or Port Orford. June 1 through August 31, landing and possession limit of 30 Chinook per vessel per day and 90 Chinook per vessel per calendar week; 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. Oregon State regulations require all fishers landing salmon from any quota managed season within this area to notify Oregon Dept. of Fish and Wildlife (ODFW) within 1 hour of delivery or prior to transport away from the port of landing by calling (541) 867-0300 ext. 252. Notification shall include vessel name and number, number of salmon by species, port of landing and location of delivery, and estimated time of delivery. See gear restrictions and definitions (C.2, C.3).</p> <p>In 2011, 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 2011 meeting.</p>	<p>Humbug Mt. to OR/CA Border (Oregon KMZ)</p> <ul style="list-style-type: none"> • May 1-31; • June 1 through earlier of June 30, or a 600 Chinook quota; • July 1 through earlier of July 31, or a 600 Chinook quota; • Aug. 1 through earlier of Aug. 31, or a 600 Chinook quota (C.9). <p>All salmon except coho (C.7). Chinook 28 inch total length minimum size limit (B). Prior to June 1, all fish caught in this area must be landed and delivered in the State of Oregon. June 1 through August 31, landing and possession limit of 30 Chinook per vessel per day and 90 Chinook per vessel per calendar week; 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. Oregon State regulations require all fishers landing salmon from any quota managed season within this area to notify Oregon Dept. of Fish and Wildlife (ODFW) within 1 hour of delivery or prior to transport away from the port of landing by calling (541) 867-0300 ext. 252. Notification shall include vessel name and number, number of salmon by species, port of landing and location of delivery, and estimated time of delivery. See gear restrictions and definitions (C.2, C.3).</p> <p>In 2011, same as Option I</p>	<p>Humbug Mt. to OR/CA Border (Oregon KMZ)</p> <ul style="list-style-type: none"> • June 1 through earlier of June 30, or a 600 Chinook quota; • July 1 through earlier of July 31, or a 600 Chinook quota (C.9). <p>All salmon except coho (C.7). Chinook 28 inch total length minimum size limit (B). Landing and possession limit of 30 Chinook per vessel per day and 90 Chinook per vessel per calendar week; 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 gear restrictions and definitions (C.2, C.3).</p> <ul style="list-style-type: none"> • May 1-31; August 1 through September 30 <p>Sufficient impacts to conduct experimental genetic stock identification study. All salmon must be released in good condition after collection of biological samples.</p> <p>In 2011, same as Option I</p>

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A. SEASON OPTION DESCRIPTIONS			
OPTION I	OPTION II	OPTION III	
<p>OR/CA Border to Humboldt South Jetty (California KMZ)</p> <ul style="list-style-type: none"> September 15 through earlier of September 30, or 7,500 Chinook quota (C.9). <p>All salmon except coho (C.7). Chinook minimum size limit of 28 inches total length. Landing and possession limit of 30 fish per vessel per day; all fish caught in this area must be landed within the area. 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 Mt. 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.</p>	<p>OR/CA Border to Humboldt South Jetty (California KMZ)</p> <ul style="list-style-type: none"> September 15 through earlier of September 30, or 3,000 Chinook quota (C.9). <p>All salmon except coho (C.7). Chinook minimum size limit of 28 inches total length. Landing and possession limit of 20 fish per vessel per day; all fish caught in this area must be landed within the area. 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 Mt. 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.</p>	<p>OR/CA Border to U.S./Mexico Border</p> <ul style="list-style-type: none"> Closed except for sufficient impacts to conduct experimental genetic stock identification study May 1 through September 30. All salmon must be released in good condition after collection of biological samples. 	
<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>	
<p>Horse Mt. to Point Arena (Fort Bragg)</p> <ul style="list-style-type: none"> July 15 through August 29; September 1-30 (C.9). <p>All salmon except coho (C.7). Chinook minimum size limit of 27 inches total length (B). All vessels fishing in the area must land their fish in the area; all fish must be offloaded within 24 hours of the August 29 closure (C1). See gear restrictions and definitions (C.2, C.3).</p>	<p>Horse Mt. to Point Arena (Fort Bragg)</p> <ul style="list-style-type: none"> September 1-30 (C.9). <p>All salmon except coho (C.7). Chinook minimum size limit of 27 inches total length (B). All vessels fishing in the area after September 14 must land their fish south of Horse Mt.; all fish must be offloaded within 24 hours of the August 29 closure (C1). See gear restrictions and definitions (C.2, C.3).</p>	<p>Horse Mt. to Point Arena (Fort Bragg)</p> <ul style="list-style-type: none"> Closed except for sufficient impacts to conduct experimental genetic stock identification study May 1 through September 30. All salmon must be released in good condition after collection of biological samples. 	
<p>Pt. Arena to Pigeon Pt. (San Francisco)</p> <ul style="list-style-type: none"> July 15 through August 29; September 1-30 (C.9). <p>All salmon except coho (C.7). Chinook minimum size limit of 27 inches total length (B). All fish must be offloaded within 24 hours of the August 29 closure (C.1). See gear restrictions and definitions (C.2, C.3).</p>	<p>Pt. Arena to Pigeon Pt. (San Francisco)</p> <ul style="list-style-type: none"> July 5 through August 29; September 1-30 (C.9). <p>All salmon except coho (C.7). Chinook minimum size limit of 27 inches total length (B). All fish must be offloaded within 24 hours of the August 29 closure (C.1). See gear restrictions and definitions (C.2, C.3).</p>	<p>Pt. Arena to Pigeon Pt. (San Francisco)</p> <ul style="list-style-type: none"> Closed except for sufficient impacts to conduct experimental genetic stock identification study May 1 through September 30. All salmon must be released in good condition after collection of biological samples. 	
<p>Pigeon Pt. to U.S./Mexico Border (Monterey)</p> <ul style="list-style-type: none"> May 9-31; July 15 through August 29; September 1-30 (C.9). <p>All salmon except coho (C.7). Chinook minimum size limit of 27 inches total length (B). All fish must be offloaded within 24 hours of the August 29 closure (C.1). See gear restrictions and definitions (C.2, C.3).</p>	<p>Pigeon Pt. to U.S./Mexico Border (Monterey)</p> <ul style="list-style-type: none"> July 5 through August 29 (C.9). <p>All salmon except coho (C.7). Chinook minimum size limit of 27 inches total length (B, C.1). See gear restrictions and definitions (C.2, C.3).</p>	<p>Pigeon Pt. to U.S./Mexico Border (Monterey)</p> <ul style="list-style-type: none"> Closed except for sufficient impacts to conduct experimental genetic stock identification study May 1 through September 30. All salmon must be released in good condition after collection of biological samples. 	

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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 Horse Mt.	28.0	21.5	-	-	None
Horse Mt. to U.S./Mexico Border	27.0	20.5	-	-	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. Salmon may be landed in an area that has been closed 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 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. Transit Through Closed Areas with Salmon on Board: It is unlawful for a vessel to have troll or recreational gear in the water while transiting 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.

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. *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. *Bandon High Spot Control Zone* - The area west of a line between 43°07'00" N. lat.; 124°37'00" W. long. and 42°40'30" N. lat; 124° 52'0" W. long. extending to the western edge of the exclusive economic zone (EEZ).
- 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, and the estimated time of arrival.

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 of each year. Incidental harvest is authorized only during May and June troll seasons and after June 30 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 25,035 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.

Option I: Beginning May 1, license holders may land no more than one Pacific halibut per each 2 Chinook, except one Pacific halibut may be landed without meeting the ratio requirement, and no more than 35 halibut may be landed per trip. Pacific halibut retained must be no less than 32 inches in total length (with head on).

Options II and III: Beginning May 1, license holders may land no more than one Pacific halibut per each 3 Chinook, except one Pacific halibut may be landed without meeting the ratio requirement, and no more than 35 halibut may be landed per trip. Pacific halibut retained must be no less than 32 inches in total length (with head on).

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

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 on a fishery impact equivalent basis.
- b. NMFS may transfer fish between the recreational and commercial fisheries north of Cape Falcon on a fishery impact equivalent basis if there is agreement among the areas' representatives on the Salmon Advisory Subpanel (SAS).
- c. At the March 2011 meeting, the Council will consider inseason recommendations for special regulations for any experimental fisheries (proposals must meet Council protocol and be received in November 2010).
- d. If retention of unmarked coho is permitted by inseason action, the allowable coho quota will be adjusted to ensure preseason projected mortality of critical stocks is not exceeded.
- e. 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 Department of Fish and Game (CDFG) Code, Section 8232.5, the definition of the Klamath Management Zone (KMZ) for the ocean salmon season shall be that area from Humbug Mt., Oregon, to Horse Mt., California.

TABLE 2. Recreational management options analyzed by the STT for non-Indian ocean salmon fisheries, 2010. (Page 1 of 7)			3/11/2010 9:12 AM
A. SEASON OPTION DESCRIPTIONS			
OPTION I	OPTION II	OPTION 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: Non-mark-selective equivalent of 110,000 Chinook and 110,000 coho marked with a healed adipose fin clip (marked).</p> <p>2. Recreational TAC: 55,000 Chinook and 100,800 marked coho; all retained coho must be marked.</p> <p>3. Trade: May be considered at the April Council meeting.</p> <p>4. No Area 4B add-on fishery.</p> <p>5. Buoy 10 fishery opens Aug. 1 with an expected landed catch of 10,000 marked coho in August and September.</p> <p>6. 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: 95,000 Chinook and 100,000 coho marked with a healed adipose fin clip (marked).</p> <p>2. Recreational TAC: 47,500 Chinook and 92,400 marked coho; all retained coho must be marked.</p> <p>3. Trade: May be considered at the April Council meeting.</p> <p>4. No Area 4B add-on fishery.</p> <p>5. Buoy 10 fishery opens Aug. 1 with an expected landed catch of 15,000 marked coho in August and September.</p> <p>6. 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: 80,000 Chinook and 70,000 coho marked with a healed adipose fin clip (marked).</p> <p>2. Recreational TAC: 40,000 Chinook and 58,800 marked coho; all retained coho must be marked.</p> <p>3. Trade: May be considered at the April Council meeting.</p> <p>4. Area 4B add-on fishery of with a quota of 4,000 marked coho following the closure of the Neah Bay fishery (C.6).</p> <p>5. Buoy 10 fishery opens Aug. 1 with an expected landed catch of 20,000 marked coho in August and September.</p> <p>6. 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>U.S./Canada Border to Cape Falcon</p> <ul style="list-style-type: none"> June 12 through earlier of June 30 or a marked Chinook quota of 19,000 (equivalent to an 8,000 non-selective Chinook quota) (C.5). <p>Seven days per week. Two fish per day, all salmon except coho, all Chinook must be marked with a healed adipose fin clip (C.1). 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).</p>	<p>U.S./Canada Border to Cape Falcon</p> <ul style="list-style-type: none"> June 19 through earlier of June 30 (July 1 for Queets River to Leadbetter Point [Westport] Subarea) or a non-selective Chinook quota of 7,000 (C.5). <p>Seven days per week. Two fish per day, all salmon except coho (C.1). 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).</p>		
<p>U.S./Canada Border to Cape Alava (Neah Bay)</p> <ul style="list-style-type: none"> July 1 through earlier of September 19 or 10,480 marked coho subarea quota with a subarea guideline of 5,200 Chinook (C.5). <p>Seven days per week. All salmon except no chum beginning August 1. Two fish per day, only one of which can be a Chinook; there will be a conference call no later than July 14 to consider removing the one Chinook bag limit restriction. All retained coho must be marked (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 recreational TAC 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"> July 1 through earlier of September 12 or 9,610 marked coho subarea quota with a subarea guideline of 4,500 Chinook (C.5). <p>Tuesday through Saturday; there will be a conference call no later than July 14 to consider a seven day per week season. All salmon except no chum beginning August 1. Two fish per day, only one of which can be a Chinook. All retained coho must be marked (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 recreational TAC 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"> 000 m29 through earlier of September 19 or 5,370 marked coho subarea quota with a subarea guideline of 4,400 Chinook (C.5). <p>Tuesday through Saturday. All salmon except no chum beginning August 1. Two fish per day. All retained coho must be marked (C.1). See gear restrictions (C.2). Beginning August 1, Chinook non-retention east of the Bonilla-Tatoosh line (C.4.a) during Council managed ocean fishery. 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).</p>	

TABLE 2. Recreational management options analyzed by the STT for non-Indian ocean salmon fisheries, 2010. (Page 2 of 7)			3/11/2010 9:12 AM
A. SEASON OPTION DESCRIPTIONS			
OPTION I	OPTION II	OPTION III	
<p>Cape Alava to Queets River (La Push Subarea)</p> <ul style="list-style-type: none"> July 1 through earlier of September 19 or 2,570 marked coho subarea quota with a subarea guideline of 2,300 Chinook (C.5). September 25 through earlier of October 10 or 50 marked coho quota or 100 Chinook quota (C.5) in the area north of 47°50'00" N. lat. and south of 48°00'00" N. lat. <p>Seven days per week. All salmon, two fish per day, only one of which can be a Chinook; there will be a conference call no later than July 14 to consider removing the one Chinook bag limit restriction. All retained coho must be marked (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 recreational TAC for north of Cape Falcon (C.5).</p>	<p>Cape Alava to Queets River (La Push Subarea)</p> <ul style="list-style-type: none"> July 1 through earlier of September 12 or 2,350 marked coho subarea quota with a subarea guideline of 2,000 Chinook (C.5). <p>Tuesday through Saturday; there will be a conference call no later than July 14 to consider a seven day per week season. All salmon, two fish per day, only one of which can be a Chinook.</p> <ul style="list-style-type: none"> September 18 through earlier of October 3 or 50 marked coho quota or 100 Chinook quota (C.5) in the area north of 47°50'00" N. lat. and south of 48°00'00" N. lat. <p>Seven days per week, all salmon, two fish per day.</p> <p>All retained coho must be marked (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 recreational TAC 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 29 through earlier of September 19 or 1,580 marked coho subarea quota with a subarea guideline of 1,900 Chinook (C.5). <p>Tuesday through Saturday. All salmon, two fish per day. All retained coho must be marked (C.1). 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).</p>	
<p>Queets River to Leadbetter Point (Westport Subarea)</p> <ul style="list-style-type: none"> July 1 through earlier of September 19 or 37,300 marked coho subarea quota with a subarea guideline of 26,900 Chinook (C.5). <p>Seven days per week. All salmon, two fish per day, only one of which can be a Chinook; there will be a conference call no later than July 14 to consider removing the one Chinook bag limit restriction. All retained coho must be marked (C.1). See gear restrictions and definitions (C.2, C.3). Grays Harbor Zone closed beginning August 1 (C.4.b). 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).</p>	<p>Queets River to Leadbetter Point (Westport Subarea)</p> <ul style="list-style-type: none"> July 4 through earlier of September 12 or 34,190 marked coho subarea quota with a subarea guideline of 23,100 Chinook (C.5). <p>Sunday through Thursday through July 29, seven days per week thereafter. All salmon, two fish per day, no more than one of which can be a Chinook. All retained coho must be marked (C.1). See gear restrictions and definitions (C.2, C.3). Grays Harbor Zone closed beginning August 1 (C.4.b). 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).</p>	<p>Queets River to Leadbetter Point (Westport Subarea)</p> <ul style="list-style-type: none"> June 27 through earlier of September 19 or 22,450 marked coho subarea quota with a subarea guideline of 22,900 Chinook (C.5). <p>Sunday through Thursday. All salmon, two fish per day. All retained coho must be marked (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 recreational TAC for north of Cape Falcon (C.5).</p>	

TABLE 2. Recreational management options analyzed by the STT for non-Indian ocean salmon fisheries, 2010. (Page 3 of 7)		3/11/2010 9:12 AM
A. SEASON OPTION DESCRIPTIONS		
<p>Leadbetter Point to Cape Falcon (Columbia River Subarea)</p> <ul style="list-style-type: none"> July 1 through earlier of September 30 or 50,400 marked coho subarea quota with a subarea guideline of 12,500 Chinook (C.5). <p>Seven days per week. All salmon, two fish per day, only one of which can be a Chinook; there will be a conference call no later than July 14 to consider removing the one Chinook bag limit restriction. All retained coho must be marked (C.1). See gear restrictions and definitions (C.2, C.3). Columbia Control Zone closed (C.4.c). Inseason management may be used to sustain season length and keep harvest within the overall Chinook recreational TAC for north of Cape Falcon (C.5).</p>	<p>Leadbetter Point to Cape Falcon (Columbia River Subarea)</p> <ul style="list-style-type: none"> July 1 through earlier of September 30 or 46,200 marked coho subarea quota with a subarea guideline of 10,800 Chinook (C.5). <p>Seven days per week. All salmon, two fish per day, only one of which can be a Chinook. All retained coho must be marked (C.1). See gear restrictions and definitions (C.2, C.3). Columbia Control Zone closed (C.4.c). Inseason management may be used to sustain season length and keep harvest within the overall Chinook recreational TAC 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 27 through earlier of September 30 or 29,400 marked coho subarea quota with a subarea guideline of 10,700 Chinook (C.5). <p>Seven days per week. All salmon, two fish per day. All retained coho must be marked (C.1). See gear restrictions and definitions (C.2, C.3). Columbia Control Zone closed (C.4.c). Inseason management may be used to sustain season length and keep harvest within the overall Chinook recreational TAC for north of Cape Falcon (C.5).</p>

TABLE 2. Recreational management options analyzed by the STT for non-Indian ocean salmon fisheries, 2010. (Page 4 of 7)			3/11/2010 9:12 AM
A. SEASON OPTION DESCRIPTIONS			
South of Cape Falcon	South of Cape Falcon	South of Cape Falcon	
OPTION I	OPTION II	OPTION III	
<ol style="list-style-type: none"> 1. Sacramento River Basin recreational fishery catch assumption: quota of 23,249 adult Sacramento River fall Chinook (24.3% of the total allowable harvest). 2. Sacramento River fall Chinook spawning escapement of 150,000 adults. 3. Klamath River recreational fishery allocation: 9,843 adult Klamath River fall Chinook. 4. Klamath tribal allocation: 35,399 adult Klamath River fall Chinook. 5. Overall recreational TAC: 35,000 marked coho. 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 Basin recreational fishery catch assumption: quota of 6,000 adult Sacramento River fall Chinook (9.2% of the total allowable harvest). 2. Sacramento River fall Chinook spawning escapement of 180,037 adults. 3. Klamath River recreational fishery allocation: 15,479 adult Klamath River fall Chinook. 4. Klamath tribal allocation: 34,395 adult Klamath River fall Chinook. 5. Overall recreational TAC: 30,000 marked coho. 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 Basin recreational fishery catch assumption: closed. 2. Sacramento River fall Chinook spawning escapement of 230,024 adults. 3. Klamath River recreational fishery allocation: 24,156 adult Klamath River fall Chinook. 4. Klamath tribal allocation: 32,704 adult Klamath River fall Chinook. 5. Overall recreational TAC: 25,000 marked coho. 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"> • Except as provided below during the all-salmon mark-selective coho fishery, the season will be May 1 through October 31 (C.6). <p>All salmon except coho; two fish per day (C.1). See gear restrictions and definitions (C.2, C.3).</p> <ul style="list-style-type: none"> • All-salmon mark-selective coho fishery: Cape Falcon to OR/CA Border: June 26 through earlier of Sept. 6 or a landed catch of 35,000 marked coho. The all salmon except coho season reopens the earlier of September 7 or attainment of the coho quota. <p>Seven days per week. All salmon, two fish per day. All retained coho must be marked (C.1). Fishing in the Stonewall Bank groundfish 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). Open days may be adjusted inseason to utilize the available quota (C.5).</p> <p>In 2011, the season between Cape Falcon and Humbug Mt. will open March 15 for all salmon except coho, two fish per day (B, C.1, C.2, C.3).</p>	<p>Cape Falcon to Humbug Mt.</p> <ul style="list-style-type: none"> • Except as provided below during the all-salmon mark-selective coho fishery, the season will be June 1 through September 6 (C.6). <p>All salmon except coho; two fish per day (C.1). See gear restrictions and definitions (C.2, C.3).</p> <ul style="list-style-type: none"> • All-salmon mark-selective coho fishery: Cape Falcon to OR/CA Border: June 26 through earlier of Sept. 6 or a landed catch of 30,000 marked coho. The all salmon except coho season may reopen upon attainment of the coho quota. <p>Open seven days per week, all salmon, two fish per day. All retained coho must be marked (C.1). Fishing in the Stonewall Bank groundfish 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). Open days may be adjusted inseason to utilize the available quota (C.5).</p> <p>In 2011, same as Option I</p>	<p>Cape Falcon to Humbug Mt.</p> <ul style="list-style-type: none"> • Except as provided below during the all-salmon mark-selective coho fishery, the season will be June 26 through August 31 (C.6). <p>All salmon except coho; two fish per day (C.1). See gear restrictions and definitions (C.2, C.3).</p> <ul style="list-style-type: none"> • All-salmon mark-selective coho fishery: Cape Falcon to OR/CA Border: The season will open June 26 north of Humbug Mt. and July 3 south of Humbug Mt., and continue through the earlier of August 31 or a landed catch of 25,000 marked coho. The all salmon except coho season may reopen upon attainment of the coho quota. <p>Open seven days per week, all salmon, two fish per day. All retained coho must be marked (C.1). Fishing in the Stonewall Bank groundfish 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). Open days may be adjusted inseason to utilize the available quota (C.5).</p> <p>In 2011, same as Option I</p>	

TABLE 2. Recreational management options analyzed by the STT for non-Indian ocean salmon fisheries, 2010. (Page 5 of 7)			3/11/2010 9:12 AM
A. SEASON OPTION DESCRIPTIONS			
OPTION I	OPTION II	OPTION III	
<p>Humbug Mt. to OR/CA Border. (Oregon KMZ)</p> <ul style="list-style-type: none"> Except as provided above during the all-salmon mark-selective coho fishery, the season will be May 22 through September 6 (C.6). <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). 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"> Except as provided above during the all-salmon mark-selective coho fishery, the season will be June 16 through September 6 (C.6). <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). 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"> Except as provided above during the all-salmon mark-selective coho fishery, the season will be July 3 through September 6 (C.6). <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). See gear restrictions and definitions (C.2, C.3).</p>	
<p>OR/CA Border to Horse Mt. (California KMZ)</p> <ul style="list-style-type: none"> May 22 through September 6 (C.6). <p>Seven days per week. All salmon except coho. Two fish per day (C.1). See gear restrictions and definitions (C.2, C.3). Klamath Control Zone closed in August (C.4.e).</p>	<p>OR/CA Border to Horse Mt. (California KMZ)</p> <ul style="list-style-type: none"> June 16 through September 6 (C.6). <p>Seven days per week. All salmon except coho. Two fish per day (C.1). See gear restrictions and definitions (C.2, C.3). Klamath Control Zone closed in August (C.4.e).</p>	<p>OR/CA Border to Horse Mt. (California KMZ)</p> <ul style="list-style-type: none"> July 3 through September 6 (C.6). <p>Seven days per week. All salmon except coho. Two fish per day (C.1). See gear restrictions and definitions (C.2, C.3). Klamath Control Zone closed in August (C.4.e).</p>	
<p>Horse Mt. to Point Arena (Fort Bragg)</p> <ul style="list-style-type: none"> April 3 through November 14. <p>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 2011, season opens April 2 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 2010 (C.2, C.3).</p>	<p>Horse Mt. to Point Arena (Fort Bragg)</p> <p>Same as Option I</p> <p>In 2011, same as Option 1.</p>	<p>Horse Mt. to Point Arena (Fort Bragg)</p> <p>Closed.</p>	
<p>Point Arena to Pigeon Point (San Francisco)</p> <ul style="list-style-type: none"> April 3 through November 14. <p>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 2011, the season will open April 2 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 2010 (C.2, C.3).</p>	<p>Point Arena to Pigeon Point (San Francisco)</p> <ul style="list-style-type: none"> April 3-30; July 1 through November 14. <p>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 2011, same as Option 1.</p>	<p>Point Arena to Pigeon Point (San Francisco)</p> <p>Closed.</p>	
<p>Pigeon Point to U.S./Mexico Border (Monterey South)</p> <ul style="list-style-type: none"> April 3 through October 3. <p>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 2011, the season will open April 2 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 2010 (C.2, C.3).</p>	<p>Pigeon Point to U.S./Mexico Border (Monterey)</p> <ul style="list-style-type: none"> April 3-30; July 1 through October 3. <p>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 2011, same as Option 1.</p>	<p>Pigeon Point to U.S./Mexico Border (Monterey)</p> <p>Closed.</p>	

C. REQUIREMENTS, DEFINITIONS, RESTRICTIONS, OR EXCEPTIONS
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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°28'00" N. lat., 124°45'00" W. long.), then in a straight line to Bonilla Point (48°35'30" N. lat., 124°43'00" 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° 36'00" 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 Groundfish 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 on a fishery impact equivalent basis 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.
- c. Chinook and coho may be transferred between the recreational and commercial fisheries north of Cape Falcon on a fishery impact equivalent basis if there is agreement among the representatives of the Salmon Advisory Subpanel (SAS).
- d. If retention of unmarked coho is permitted in the area from the U.S./Canada border to Cape Falcon, Oregon, by inseason action, the allowable coho quota will be adjusted to ensure preseason projected mortality of critical stocks is not exceeded.

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 troll management options analyzed by the STT for ocean salmon fisheries, 2010. (Page 1 of 2)			3/11/2010 8:59 AM
A. SEASON OPTION DESCRIPTIONS			
OPTION I	OPTION II	OPTION III	
Supplemental Management Information	Supplemental Management Information	Supplemental Management Information	
<p>1. Overall Treaty-Indian TAC: 55,000 Chinook and 50,000 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: 45,000 Chinook and 40,000 coho.</p> <p>2. Overall Chinook and/or coho TACs may need to be reduced or fisheries adjusted to meet NMFS ESA guidance, FMP requirements, upon conclusion of negotiations in the North of Falcon forum, or upon receipt of preseason catch and abundance expectations for Canadian and Alaskan fisheries</p>	<p>1. Overall Treaty-Indian TAC: 35,000 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>	
<ul style="list-style-type: none"> • May 1 through the earlier of June 30 or 27,500 Chinook quota. <p>All salmon except coho. If the Chinook quota for the May-June fishery is not fully utilized, the excess fish cannot be transferred into the later all-salmon season. If the Chinook quota is exceeded, the excess will be deducted from the later all-salmon season. See size limit (B) and other restrictions (C).</p> <ul style="list-style-type: none"> • July 1 through the earlier of September 15, or 27,500 preseason Chinook quota, or 50,000 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 22,500 Chinook quota. <p>All salmon except coho. If the Chinook quota for the May-June fishery is not fully utilized, the excess fish cannot be transferred into the later all-salmon season on an impact neutral basis. If the Chinook quota is exceeded, the excess will be deducted from the later all-salmon season. 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 preseason Chinook quota, or 40,000 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 except coho. If the Chinook quota for the May-June fishery is not fully utilized, the excess fish cannot be transferred into the later all-salmon season. If the Chinook quota is exceeded, the excess will be deducted from the later all-salmon season. 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 preseason Chinook quota, or 30,000 coho quota. <p>All salmon. See size limit (B) and other restrictions (C)</p>	

TABLE 3. Treaty Indian troll management options analyzed by the STT for ocean salmon fisheries, 2010. (Page 2 of 2)

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B. MINIMUM SIZE (Inches)					
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 2004-2008. Fish taken during this fishery are to be counted against treaty troll quotas established for the 2009 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.

TABLE 4. Chinook and coho harvest quotas and guidelines (*) for 2010 ocean salmon fishery management options analyzed by the STT.

Fishery or Quota Designation	Chinook for Option			Coho for Option		
	I	II	III	I	II	III
NORTH OF CAPE FALCON						
TREATY INDIAN OCEAN TROLL						
U.S./Canada Border to Cape Falcon (All Except Coho)	27,500	22,500	17,500	-	-	-
U.S./Canada Border to Cape Falcon (All Species)	27,500	22,500	17,500	50,000	40,000	30,000
Subtotal Treaty Indian Ocean Troll	55,000	45,000	35,000	50,000	40,000	30,000
NON-INDIAN COMMERCIAL TROLL ^{a/}						
U.S./Canada Border to Cape Falcon (All Except Coho)	41,250	31,825	26,800	-	-	-
U.S./Canada Border to Cape Falcon (All Species)	13,750	15,675	13,200	19,200	17,600	11,200
Subtotal Non-Indian Commercial Troll	55,000	47,500	40,000	19,200	17,600	11,200
RECREATIONAL ^{a/}						
U.S./Canada Border to Cape Falcon (All Except Coho)	19,000 ^{b/}	7,000 *	- *	-	-	-
U.S./Canada Border to Cape Alava	5,200 *	4,500 *	4,400 *	10,480	9,610	5,370
Cape Alava to Queets River	2,400 *	2,100 *	1,900 *	2,620	2,400	1,580
Queets River to Leadbetter Pt.	26,900 *	23,100 *	22,900 *	37,300	34,190	22,450
Leadbetter Pt. to Cape Falcon ^{c/}	12,500 *	10,800 *	10,700 *	50,400	46,200	29,400
Subtotal Recreational	66,000	47,500	39,900	100,800	92,400	58,800
TOTAL NORTH OF CAPE FALCON	176,000	140,000	114,900	170,000	150,000	100,000
SOUTH OF CAPE FALCON						
COMMERCIAL TROLL						
Humbug Mt. to OR/CA Border	3,000	1,800	1,200	-	-	-
OR/CA Border to Horse Mt.	7,500	3,000	-	-	-	-
Subtotal Troll	10,500	4,800	1,200	-	-	-
RECREATIONAL						
Cape Falcon to Oregon/California Border	-	-	-	35,000	30,000	25,000
TOTAL SOUTH OF CAPE FALCON	10,500	4,800	1,200	35,000	30,000	25,000

a/ The coho quota is a landed catch of coho marked with a healed adipose fin clip.

b/ The Chinook guideline is a landed catch of Chinook marked with a healed adipose fin clip.

c/ Does not include Buoy 10 fishery. Expected catch in August and September: Option I - 10,000 marked coho; Option II - 15,000 marked coho; Option III - 20,000 marked

TABLE 5. Projected key stock escapements (thousands of fish) or management criteria for 2010 ocean fishery options analyzed by the STT.^{aj} (Page 1 of 2)

Key Stock/Criteria	Projected Ocean Escapement ^{aj} or other Criteria (Council Area impacts in parens)			Spawner Objective or Other Comparative Standard as Noted
	Option I	Option II	Option III	
CHINOOK				
Columbia Upriver Brights	319.6	320.1	320.5	88.2 Minimum ocean escapement to attain 60.0 adults over McNary Dam, with normal distribution and no mainstem harvest.
Mid-Columbia Brights	74.7	74.9	75.0	13.2 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 Lower River Hatchery Tules	84.2	87.5	89.1	22.1 Minimum ocean escapement to attain 12.4 adults for hatchery egg-take, with average conversion and no lower river mainstem or tributary harvest.
Columbia Lower River Natural Tules (threatened)	38.3%	36.2%	34.4%	≤ 38.0% Total adult equivalent fishery exploitation rate; ESA guidance (NMFS ESA consultation standard).
Columbia Lower River Wild ^{aj} (threatened)	10.0	10.0	10.0	6.8 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	161.2	170.8	177.6	8.8 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	50.4%	45.5%	42.4%	≤ 70.0% Of 1988-1993 base period exploitation rate for all ocean fisheries (NMFS ESA consultation standard).
Klamath River Fall	40.7	40.7	40.7	40.7 Minimum number of adult spawners to natural spawning areas. 2008 Council adopted rebuilding objective.
Federally recognized tribal harvest	50.0%	50.0%	50.0%	50.0% Equals 35.4, 34.4, and 32.7 (thousand) adult fish for Yurok and Hoopa tribal fisheries.
Spawner Reduction Rate	52.8%	52.8%	52.8%	≤ 66.7% Equals 45.5, 45.5, and 45.5 (thousand) fewer adult spawners due to fishing.
Adult river mouth return	109.5	114.0	120.8	NA
Age 4 ocean harvest rate	13.6%	10.3%	5.0%	≤ 16.0% NMFS ESA consultation standard for threatened California Coastal Chinook.
KMZ sport fishery share	13.8%	15.9%	30.1%	No Council guidance for 2010.
River recreational fishery share	27.8%	45.0%	73.9%	≥ 15% 2010 Council Guidance. Equals 9.8, 15.5, and 24.2 (thousand) adult fish for recreational inriver fisheries.
Sacramento River Winter (endangered)	Met	Met	Met	Recreational seasons: Point Arena to Pigeon Point between the first Saturday in April and the second Sunday in November; Pigeon Point 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. In addition, for 2010, fisheries south of Pt. Arena must have either a minimum size limit ≥ 24 inches total length, or be closed for two consecutive months between May 1 and August 31. Commercial seasons: Point Arena to the U.S./Mexico border between May 1 and September 30, except Point Reyes to Point San Pedro between October 1 and 15. Minimum size limit ≥ 26 inches total length. (NMFS ESA Guidance for 2010).
Sacramento River Fall	150.0	180.0	230.0	≥150-180 2010 Council and NMFS guidance for natural and hatchery adult spawners.
Ocean commercial impacts	38.2	34.8	12.6	All options include fall (Sept-Dec) 2009 impacts; equals 0 SRFC.
Ocean recreational impacts	34.0	24.6	2.9	All options include fall 2009 impacts (76 SRFC).
River recreational impacts	23.2	6.0	0.0	2010 Council Guidance. Equals 24.3%, 9.2%, and 0.0% of the total allowable harvest.
Hatchery spawner goal	Met	Met	Met	22.0 Aggregate number of adults to achieve egg take goals at Coleman, Feather River, and Nimbus hatcheries.

TABLE 5. Projected key stock escapements (thousands of fish) or management criteria for 2010 ocean fishery options analyzed by the STT.^{a/} (Page 2 of 2)

Key Stock/Criteria	Projected Ocean Escapement ^{b/} or other Criteria (Council Area impacts in parens)			Spawner Objective or Other Comparative Standard as Noted
	Option I	Option II	Option III	
				COHO
Interior Fraser (Thompson River)	10.9%(6.7%)	9.6%(5.4%)	8.4%(4.1%)	≤ 10.0% 2010 Southern U.S. exploitation rate ceiling; 2002 PSC coho agreement.
Skagit	41.7%(6.1%)	41.0%(4.9%)	40.1%(3.8%)	≤ 60.0% 2010 total exploitation rate ceiling; FMP matrix ^{d/}
Stillaguamish	39.2%(4.3%)	38.6%(3.4%)	38.0%(2.6%)	≤ 50.0% 2010 total exploitation rate ceiling; FMP matrix ^{d/}
Snohomish	34.4%(4.3%)	33.8%(3.5%)	33.2%(2.7%)	≤ 40.0% 2010 total exploitation rate ceiling; FMP matrix ^{d/}
Hood Canal	51.0%(6.4%)	50.3%(5.2%)	49.5%(4.1%)	≤ 45.0% 2010 total exploitation rate ceiling; FMP matrix ^{d/}
Strait of Juan de Fuca	16.6%(4.8%)	15.7%(3.9%)	14.7%(3.0%)	≤ 20.0% 2010 total exploitation rate ceiling; FMP matrix ^{d/}
	15.0%	13.7%	12.7%	≤ 10.0% 2010 Southern U.S. exploitation rate ceiling; 2002 PSC coho agreement.
Quillayute Fall	20.1	20.3	20.6	6.3-15.8 FMP objective MSY adult spawner range ^{d/}
Hoh	6.1	6.3	6.5	2.0-5.0 FMP objective MSY adult spawner range ^{d/}
Queets Wild	17.2	17.6	18.2	5.8-14.5 FMP objective MSY adult spawner range ^{d/}
Grays Harbor	60.5	61.3	62.4	35.4 FMP objective MSY adult spawner range ^{d/}
Lower Columbia River Natural (threatened)	14.7%	12.2%	9.3%	≤ 15.0% Total marine and mainstem Columbia River fishery exploitation rate (NMFS ESA consultation standard). Value depicted is ocean fishery exploitation rate only.
Upper Columbia ^{e/}	≥ 50%	≥ 50%	≥ 50%	≥ 50% Minimum percentage of the run to Bonneville Dam.
Columbia River Hatchery Early	162.2	164.2	175.2	31.2 Minimum ocean escapement to attain hatchery egg-take goal of 14.1 early adult coho, with average conversion and no mainstem or tributary fisheries.
Columbia River Hatchery Late	87.4	88.5	100.0	9.3 Minimum ocean escapement to attain hatchery egg-take goal of 7.1 late adult coho, with average conversion and no mainstem or tributary fisheries.
Oregon Coastal Natural	13.2%	11.8%	8.8%	≤ 15.0% Marine and freshwater fishery exploitation rate.
Northern California (threatened)	10.5%	10.1%	4.8%	≤ 13.0% Marine fishery exploitation rate for R/K hatchery coho (NMFS ESA consultation standard).

a/ Projections in the table assume a WCVI mortality for coho of the 2008 observed level. Chinook fisheries in Southeast Alaska, North Coast BC, and WCVI troll and outside sport fisheries were assumed to have the same exploitation rates as expected preseason in 2008 as modified by the 2008 annex to the PST. Assumptions for these Chinook fisheries will be changed prior to the April meeting when allowable catch levels for 2009 under the PST are known.

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 all marine impacts prior to the Buoy 10 fishery. Exploitation rates for OCN coho include impacts of freshwater fisheries.

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 comanagers. It is anticipated that total exploitation rates will be adjusted by state and tribal comanagers during the preseason planning process to comply with stock specific exploitation rate constraints.

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

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 2010 ocean fisheries management options analyzed by the STT.

Fishery	Exploitation Rate (Percent)											
	LCN Coho			OCN Coho			RK Coho			LCR Tule		
	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%	2.6%	2.7%	2.8%
BRITISH COLUMBIA	0.1%	0.1%	0.1%	0.3%	0.3%	0.3%	0.1%	0.1%	0.1%	11.5%	11.6%	11.7%
PUGET SOUND/STRAIT	0.2%	0.2%	0.2%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.3%	0.3%	0.3%
NORTH OF CAPE FALCON												
Treaty Indian Ocean Troll	3.1%	2.5%	1.8%	0.8%	0.7%	0.5%	0.0%	0.0%	0.0%	4.6%	3.8%	3.0%
Recreational	5.7%	4.9%	3.4%	1.0%	1.0%	0.7%	0.0%	0.1%	0.0%	4.0%	3.5%	2.9%
Non-Indian Troll	2.1%	1.8%	1.3%	0.6%	0.5%	0.4%	0.0%	0.0%	0.0%	5.2%	4.5%	3.8%
SOUTH OF CAPE FALCON												
Recreational:										0.1%	0.1%	0.1%
Cape Falcon to Humbug Mt.	2.2%	1.9%	1.5%	3.3%	2.8%	2.3%	0.4%	0.4%	0.3%			
Humbug Mt. OR/CA border (KMZ)	0.1%	0.1%	0.0%	0.4%	0.3%	0.3%	1.0%	0.8%	0.6%			
OR/CA border to Horse Mt. (KMZ)	0.1%	0.1%	0.1%	0.9%	0.8%	0.6%	4.1%	3.7%	3.1%			
Fort Bragg	0.1%	0.1%	0.0%	0.6%	0.6%	0.0%	1.7%	1.7%	0.0%			
South of Pt. Arena	0.1%	0.0%	0.0%	0.5%	0.3%	0.0%	1.3%	1.0%	0.0%			
Troll:										2.0%	1.4%	1.3%
Cape Falcon to Humbug Mt.	1.2%	0.7%	0.8%	1.3%	0.8%	0.9%	0.2%	0.1%	0.1%			
Humbug Mt. OR/CA border (KMZ)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%			
OR/CA border to Horse Mt. (KMZ)	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.2%	0.2%	0.2%			
Fort Bragg	0.0%	0.0%	0.0%	0.5%	0.7%	0.0%	1.2%	1.7%	0.1%			
South of Pt. Arena	0.0%	0.0%	0.0%	0.2%	0.3%	0.0%	0.2%	0.3%	0.0%			
BUOY 10	1.0%	1.4%	1.8%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	8.0%	8.3%	8.5%
ESTUARY/FRESHWATER	N/A	N/A	N/A	2.6%	2.6%	2.6%	0.2%	0.2%	0.2%			
TOTAL ^{a/}	14.7%	12.2%	9.3%	13.2%	11.8%	8.8%	10.5%	10.1%	4.8%	38.3%	36.2%	34.4%

a/ Totals do not include estuary/freshwater or Buoy 10 for LCN coho and RK coho.

TABLE A-1. **Sacramento River fall Chinook** ocean impacts, including non-retention impacts where applicable, by fishery and option. Sacramento River fall Chinook impacts were estimated for the fall of 2009 and projected for each of the proposed 2010 fishing season options. The impacts are displayed for each option by fishery, port area, and month.

Commercial											
Option I											
Port Area	Fall 2009			Summer 2010				Summer Total	Year Total		
	Sept	Oct-Dec	Jan-Apr	May	Jun	Jul	Aug				
NO	-	-	-	3,054	2,268	1,582	2,140	9,044	9,044		
CO	-	-	-	980	1,101	1,003	817	3,901	3,901		
KO	-	-	-	35	187	253	149	624	624		
KC	-	-	-	-	-	-	-	0	0		
FB	-	-	-	-	-	2,403	3,088	5,491	5,491		
SF	-	-	-	-	-	3,851	3,039	6,890	6,890		
MO	-	-	-	10,126	-	1,605	511	12,242	12,241		
Total	-	-	-	14,194	3,556	10,697	9,744	38,191	38,191		

Option II											
Port Area	Fall 2009			Summer 2010				Summer Total	Year Total		
	Sep	Oct-Dec	Jan-Apr	May	Jun	Jul	Aug				
NO	-	-	-	3,054	2,268	919	2,140	8,381	8,380		
CO	-	-	-	980	1,101	582	817	3,480	3,480		
KO	-	-	-	35	112	152	89	388	388		
KC	-	-	-	-	-	-	-	0	0		
FB	-	-	-	-	-	-	-	0	0		
SF	-	-	-	-	-	10,675	5,816	16,491	16,491		
MO	-	-	-	-	-	5,263	821	6,084	6,084		
Total	-	-	-	4,068	3,481	17,591	9,683	34,823	34,823		

Option III											
Port Area	Fall 2009			Summer 2010				Summer Total	Year Total		
	Sep	Oct-Dec	Jan-Apr	May	Jun	Jul	Aug				
NO	-	-	-	3,054	2,268	970	1,541	7,833	7,832		
CO	-	-	-	980	1,101	615	588	3,284	3,284		
KO	-	-	-	-	112	152	-	264	264		
KC	-	-	-	21	15	44	17	97	97		
FB	-	-	-	63	51	47	50	211	210		
SF	-	-	-	105	99	100	110	414	414		
MO	-	-	-	115	115	109	119	458	458		
Total	-	-	-	4,338	3,761	2,035	2,425	12,559	12,559		

Recreational												
Option I												
Port Area	Fall 2009			Summer 2010				Summer Total	Year Total			
	Sep	Oct	Nov-Dec	Jan-Feb	Mar	Apr	May	Jun	Jul	Aug		
NO	-	-	-	-	-	-	5	22	210	172	409	409
CO	-	-	-	-	-	-	6	83	380	193	662	662
KO	-	-	-	-	-	-	53	238	348	187	826	825
KC	76	-	-	-	-	-	238	826	912	433	2,409	2,485
FB	-	-	-	-	-	85	381	1,038	1,383	508	3,395	3,394
SF	-	-	-	-	-	1,944	2,240	3,439	6,941	3,019	17,583	17,583
MO	-	-	-	-	-	3,166	1,210	1,698	2,273	337	8,684	8,684
Total	76	-	-	-	-	5,195	4,132	7,344	12,449	4,847	33,967	34,043

Option II												
Port Area	Fall 2009			Summer 2010				Summer Total	Year Total			
	Sep	Oct	Nov-Dec	Jan-Feb	Mar	Apr	May	Jun	Jul	Aug		
NO	-	-	-	-	-	-	-	22	210	172	404	404
CO	-	-	-	-	-	-	-	83	380	193	656	656
KO	-	-	-	-	-	-	-	119	348	187	654	654
KC	76	-	-	-	-	-	-	413	912	433	1,758	1,834
FB	-	-	-	-	-	85	381	1,038	1,383	508	3,395	3,394
SF	-	-	-	-	-	1,944	-	-	6,941	3,019	11,904	11,904
MO	-	-	-	-	-	3,166	-	-	2,273	337	5,776	5,776
Total	76	-	-	-	-	5,195	381	1,675	12,449	4,847	24,547	24,623

Option III												
Port Area	Fall 2009			Summer 2010				Summer Total	Year Total			
	Sep	Oct	Nov-Dec	Jan-Feb	Mar	Apr	May	Jun	Jul	Aug		
NO	-	-	-	-	-	-	-	18	210	172	400	400
CO	-	-	-	-	-	-	-	51	380	193	624	624
KO	-	-	-	-	-	-	-	-	326	187	513	513
KC	76	-	-	-	-	-	-	-	854	433	1,287	1,363
FB	-	-	-	-	-	-	-	-	-	-	0	0
SF	-	-	-	-	-	-	-	-	-	-	0	0
MO	-	-	-	-	-	-	-	-	-	-	0	0
Total	76	-	-	-	-	-	-	69	1,770	984	2,823	2,900

TABLE A-2. Sacramento River fall Chinook **HARVEST** impacts by fishery and option. Sacramento River fall Chinook impacts were estimated for the fall of 2009 and projected for each of the proposed 2010 fishing season options. The impacts are displayed for each option by fishery, port area, and month.

Commercial										
Option I										
Port Area	Fall 2009		Summer 2010				Summer Total	Year Total		
	Sept	Oct-Dec	Jan-Apr	May	Jun	Jul			Aug	
NO				3,054	2,268	1,582	2,140	9,044	9,044	
CO				980	1,101	1,003	817	3,901	3,901	
KO				35	187	253	149	624	624	
KC										
FB							2,403	3,088	5,491	5,491
SF							3,851	3,039	6,890	6,890
MO				10,126		1,605	511	12,241	12,241	
Total				14,194	3,556	10,697	9,744	38,191	38,191	

Option II										
Port Area	Fall 2009		Summer 2010				Summer Total	Year Total		
	Sept	Oct-Dec	Jan-Apr	May	Jun	Jul			Aug	
NO				3,054	2,268	919	2,140	8,380	8,380	
CO				980	1,101	582	817	3,480	3,480	
KO				35	112	152	89	388	388	
KC										
FB										
SF							10,675	5,816	16,491	16,491
MO							5,263	821	6,084	6,084
Total				4,068	3,481	17,591	9,683	34,823	34,823	

Option III										
Port Area	Fall 2009		Summer 2010				Summer Total	Year Total		
	Sept	Oct-Dec	Jan-Apr	May	Jun	Jul			Aug	
NO				3,054	2,268	970	1,541	7,832	7,832	
CO				980	1,101	615	588	3,284	3,284	
KO					112	152		264	264	
KC										
FB										
SF										
MO										
Total				4,034	3,481	1,736	2,129	11,380	11,380	

Recreational													
Option I													
Port Area	Fall 2009		Summer 2010				Summer Total	Year Total					
	Sept	Oct Nov-Dec	Jan-Feb	Mar	Apr	May			Jun	Jul	Aug		
NO								5	22	210	172	409	409
CO								6	83	380	193	662	662
KO								53	238	348	187	825	825
KC	76							238	826	912	433	2,409	2,485
FB								85	381	1,038	1,383	3,394	3,394
SF								1,944	2,240	3,439	6,941	3,019	17,583
MO								3,166	1,210	1,698	2,273	337	8,684
Total	76							5,195	4,132	7,344	12,449	4,847	33,967

Option II													
Port Area	Fall 2009		Summer 2010				Summer Total	Year Total					
	Sept	Oct Nov-Dec	Jan-Feb	Mar	Apr	May			Jun	Jul	Aug		
NO										22	210	172	404
CO										83	380	193	656
KO										119	348	187	654
KC	76									413	912	433	1,758
FB										85	381	1,038	3,394
SF										1,944		6,941	3,019
MO										3,166		2,273	337
Total	76									5,195	381	1,675	12,449

Option III														
Port Area	Fall 2009		Summer 2010				Summer Total	Year Total						
	Sept	Oct Nov-Dec	Jan-Feb	Mar	Apr	May			Jun	Jul	Aug			
NO											18	210	172	400
CO											51	380	193	624
KO												326	187	513
KC	76											854	433	1,287
FB														
SF														
MO														
Total	76										69	1,770	984	2,823

TABLE A-4. **Klamath River fall Chinook** ocean impacts, including non-retention impacts where applicable, by fishery and option. Klamath River fall Chinook impacts were estimated for the fall of 2009 and projected for each of the proposed 2010 fishing season options. The impacts are displayed for each option by fishery, port area, and month.

Commercial										
Option I										
Port Area	Fall 2009		Summer 2010				Summer Total	Year Total		
	Sept	Oct-Dec	Jan-Apr	May	Jun	Jul	Aug			
NO	-	-	-	462	203	462	978	2,105	2,106	
CO	-	-	-	510	542	2,121	2,642	5,815	5,814	
KO	-	-	-	75	249	341	332	997	997	
KC	-	-	-	-	-	-	-	0	0	
FB	-	-	-	-	-	6,158	3,571	9,729	9,728	
SF	-	-	-	-	-	2,119	547	2,666	2,666	
MO	-	-	-	753	-	421	15	1,189	1,190	
Total	-	-	-	1,800	994	11,622	8,086	22,502	22,502	

Option II										
Port Area	Fall 2009		Summer 2010				Summer Total	Year Total		
	Sep	Oct-Dec	Jan-Apr	May	Jun	Jul	Aug			
NO	-	-	-	462	205	271	1,003	1,941	1,941	
CO	-	-	-	510	546	1,243	2,699	4,998	4,998	
KO	-	-	-	75	149	205	199	628	628	
KC	-	-	-	-	-	-	-	0	0	
FB	-	-	-	-	-	-	-	0	0	
SF	-	-	-	-	-	5,929	1,069	6,998	6,998	
MO	-	-	-	-	-	1,396	25	1,421	1,421	
Total	-	-	-	1,046	900	9,044	4,996	15,986	15,986	

Option III										
Port Area	Fall 2009		Summer 2010				Summer Total	Year Total		
	Sep	Oct-Dec	Jan-Apr	May	Jun	Jul	Aug			
NO	-	-	-	462	205	287	757	1,711	1,712	
CO	-	-	-	510	547	1,316	2,027	4,400	4,400	
KO	-	-	-	-	150	205	-	355	354	
KC	-	-	-	-	-	-	-	0	296	
FB	-	-	-	-	-	-	-	0	156	
SF	-	-	-	-	-	-	-	0	69	
MO	-	-	-	-	-	-	-	0	23	
Total	-	-	-	1,128	1,052	1,949	2,880	7,009	7,009	

Recreational										
Option I										
Port Area	Fall 2009		Summer 2010				Summer Total	Year Total		
	Sep	Oct Nov-Dec	Jan-Feb	Mar	Apr	May	Jun	Jul	Aug	
NO	-	-	-	-	-	0	0	42	44	86
CO	-	-	-	-	-	6	30	119	76	231
KO	30	-	-	-	-	6	156	442	585	1,189
KC	52	-	-	-	-	141	723	909	672	2,445
FB	-	-	-	-	11	97	287	375	77	847
SF	-	-	-	-	109	54	210	245	10	628
MO	-	-	-	-	71	16	33	71	9	200
Total	82	-	-	-	191	320	1,439	2,202	1,473	5,625

Option II										
Port Area	Fall 2009		Summer 2010				Summer Total	Year Total		
	Sep	Oct Nov-Dec	Jan-Feb	Mar	Apr	May	Jun	Jul	Aug	
NO	-	-	-	-	-	-	0	42	45	87
CO	-	-	-	-	-	-	30	120	77	227
KO	30	-	-	-	-	-	78	445	599	1,122
KC	52	-	-	-	-	-	363	916	690	1,969
FB	-	-	-	-	11	97	288	377	78	851
SF	-	-	-	-	116	-	-	250	10	376
MO	-	-	-	-	75	-	-	73	9	157
Total	82	-	-	-	202	97	759	2,224	1,509	4,791

Option III										
Port Area	Fall 2009		Summer 2010				Summer Total	Year Total		
	Sep	Oct Nov-Dec	Jan-Feb	Mar	Apr	May	Jun	Jul	Aug	
NO	-	-	-	-	-	-	0	42	47	89
CO	-	-	-	-	-	-	18	121	81	220
KO	30	-	-	-	-	-	-	418	628	1,046
KC	52	-	-	-	-	-	-	860	724	1,584
FB	-	-	-	-	-	-	-	-	-	0
SF	-	-	-	-	-	-	-	-	-	0
MO	-	-	-	-	-	-	-	-	-	0
Total	82	-	-	-	-	-	19	1,440	1,479	2,938

TABLE A-5. Days open in commercial and sport fall fisheries, 1990-2007 and in 2010 options.

COMMERCIAL

port	year	falldays	port	year	falldays	port	year	falldays	port	year	falldays	port	year	falldays	port	year	falldays			
NO	1990	30	CO	1990	30	KO	1990	16	KC	1990	59	FB	1990	30	SF	1990	30	MO	1990	30
NO	1991	30	CO	1991	30	KO	1991	15	KC	1991	61	FB	1991	30	SF	1991	30	MO	1991	30
NO	1992	30	CO	1993	30	KO	1999	30	KC	1996	14	FB	1993	30	SF	1992	30	MO	1992	30
NO	1993	30	CO	1994	30	KO	2000	5	KC	1997	30	FB	1994	30	SF	1993	25	MO	1993	25
NO	1994	30	CO	1995	30	KO	2001	30	KC	1998	30	FB	1995	30	SF	1994	30	MO	1994	30
NO	1995	30	CO	1996	30	KO	2002	30	KC	1999	30	FB	1996	30	SF	1995	30	MO	1995	30
NO	1996	30	CO	1997	27	KO	2003	30	KC	2000	30	FB	1997	30	SF	1996	30	MO	1996	15
NO	1997	27	CO	1998	30	KO	2004	22	KC	2001	30	FB	1998	30	SF	1997	30	MO	1997	30
NO	1998	30	CO	1999	30	KO	2005	28	KC	2002	22	FB	1999	30	SF	1998	30	MO	1998	30
NO	1999	30	CO	2000	30	KO	2006	15	KC	2003	30	FB	2000	30	SF	1999	30	MO	1999	30
NO	2000	30	CO	2001	30	KO	2007	25	KC	2004	17	FB	2001	30	SF	2000	30	MO	2002	30
NO	2001	30	CO	2002	30				KC	2005	14	FB	2002	30	SF	2001	30	MO	2003	30
NO	2002	30	CO	2003	30				KC	2007	3	FB	2003	30	SF	2002	30	MO	2004	30
NO	2003	30	CO	2004	30							FB	2004	30	SF	2003	30	MO	2005	30
NO	2004	30	CO	2005	23							FB	2005	30	SF	2004	30	MO	2006	30
NO	2005	23	CO	2006	30							FB	2006	5	SF	2005	30	MO	2007	30
NO	2006	30	CO	2007	26							FB	2007	30	SF	2006	30			
NO	2007	26												SF	2007	30				
NO	avg	29.2	CO	avg	29.2	KO	avg	22.4	KC	avg	28.5	FB	avg	28.5	SF	avg	29.7	MO	avg	28.8
	Option 1	30		Option 1	30		Option 1	0		Option 1	16		Option 1	30		Option 1	30		Option 1	30
	Option II	0		Option II	0		Option II	0		Option II	16		Option II	30		Option II	30		Option II	0
	Option III	gsi		Option III	gsi		Option III	gsi		Option III	gsi		Option III	gsi		Option III	gsi		Option III	gsi

SPORT

port	year	falldays	port	year	falldays	port	year	falldays	port	year	falldays	port	year	falldays	port	year	falldays	port	year	falldays
NO	1990	30	CO	1990	16	KO	1990	9	KC	1990	61	FB	1990	79	SF	1990	79	MO	1990	79
NO	1991	15	CO	1992	10	KO	1991	26	KC	1991	61	FB	1991	78	SF	1991	64	MO	1991	64
NO	1992	27	CO	1995	15	KO	1992	7	KC	1992	7	FB	1992	76	SF	1992	62	MO	1992	62
NO	1993	15	CO	1996	30	KO	1993	6	KC	1993	6	FB	1993	75	SF	1993	61	MO	1993	61
NO	1995	15	CO	1997	30	KO	1994	5	KC	1994	5	FB	1994	74	SF	1994	61	MO	1994	61
NO	1996	30	CO	1998	30	KO	1995	9	KC	1995	9	FB	1995	73	SF	1995	59	MO	1995	59
NO	1997	30	CO	1999	30	KO	1996	21	KC	1996	21	FB	1996	78	SF	1996	44	MO	1997	49
NO	1998	30	CO	2000	30	KO	1997	14	KC	1997	14	FB	1997	77	SF	1997	63	MO	1998	7
NO	1999	30	CO	2001	30	KO	1998	13	KC	1998	13	FB	1998	76	SF	1998	62	MO	1999	6
NO	2000	30	CO	2002	30	KO	1999	15	KC	1999	14	FB	1999	75	SF	1999	61	MO	2000	31
NO	2001	30	CO	2003	30	KO	2000	10	KC	2000	10	FB	2000	73	SF	2000	66	MO	2001	30
NO	2002	30	CO	2004	30	KO	2001	3	KC	2001	3	FB	2001	79	SF	2001	74	MO	2002	29
NO	2003	30	CO	2005	30	KO	2002	15	KC	2002	15	FB	2002	78	SF	2002	71	MO	2003	28
NO	2004	30	CO	2006	30	KO	2003	14	KC	2003	14	FB	2003	77	SF	2003	70	MO	2004	33
NO	2005	30	CO	2007	30	KO	2004	12	KC	2004	12	FB	2004	75	SF	2004	75	MO	2005	25
NO	2006	30				KO	2005	11	KC	2005	11	FB	2005	74	SF	2005	74	MO	2006	24
NO	2007	30				KO	2006	6	KC	2006	6	FB	2006	73	SF	2006	73	MO	2007	37
						KO	2007	4	KC	2007	4	FB	2007	72	SF	2007	72			
NO	avg	27.2	CO	avg	26.7	KO	avg	11.1	KC	avg	15.9	FB	avg	75.7	SF	avg	66.2	MO	avg	40.3
	Option 1	61		Option 1	61		Option 1	6		Option 1	6		Option 1	75		Option 1	75		Option 1	33
	Option II	6		Option II	6		Option II	6		Option II	6		Option II	75		Option II	75		Option II	33
	Option III	0		Option III	0		Option III	6		Option III	6		Option III	0		Option III	0		Option III	0