

Regional Information Report No. 1J11-13

2011–2012 Winter Troll Fishery Management Plan

by

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and

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Alaska Department of Fish and Game

Division of Commercial Fisheries



Symbols and Abbreviations

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Weights and measures (metric)		General		Measures (fisheries)	
centimeter	cm	Alaska Administrative Code	AAC	fork length	FL
deciliter	dL	all commonly accepted abbreviations	e.g., Mr., Mrs., AM, PM, etc.	mideye-to-fork	MEF
gram	g			mideye-to-tail-fork	METF
hectare	ha			standard length	SL
kilogram	kg			total length	TL
kilometer	km				
liter	L				
meter	m				
milliliter	mL	at	@		
millimeter	mm	compass directions:			
		east	E		
		north	N		
		south	S		
		west	W		
		copyright	©		
		corporate suffixes:			
		Company	Co.	alternate hypothesis	H _A
		Corporation	Corp.	base of natural logarithm	e
		Incorporated	Inc.	catch per unit effort	CPUE
		Limited	Ltd.	coefficient of variation	CV
		District of Columbia	D.C.	common test statistics	(F, t, χ ² , etc.)
		et alii (and others)	et al.	confidence interval	CI
		et cetera (and so forth)	etc.	correlation coefficient	
		exempli gratia		(multiple)	R
		(for example)	e.g.	correlation coefficient	
	d	Federal Information Code	FIC	(simple)	r
day	°C	id est (that is)	i.e.	covariance	cov
degrees Celsius	°F	latitude or longitude	lat. or long.	degree (angular)	°
degrees Fahrenheit	K	monetary symbols		degrees of freedom	df
degrees kelvin	h	(U.S.)	\$, ¢	expected value	E
hour	min	months (tables and figures): first three letters		greater than	>
minute	s			greater than or equal to	≥
second				harvest per unit effort	HPUE
				less than	<
				less than or equal to	≤
				logarithm (natural)	ln
				logarithm (base 10)	log
				logarithm (specify base)	log _b , etc.
				minute (angular)	'
				not significant	NS
				null hypothesis	H ₀
				percent	%
				probability	P
				probability of a type I error	
				(rejection of the null hypothesis when true)	
				probability of a type II error	
				(acceptance of the null hypothesis when false)	
				second (angular)	β
				standard deviation	SD
				standard error	SE
				variance	
				population	Var
				sample	var

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ABSTRACT

This document summarizes the plan that the Alaska Department of Fish and Game will follow to manage the 2011–2012 Southeast Alaska winter commercial troll Chinook salmon fishery, according to the Board of Fisheries regulations in the State of Alaska Administrative Code under 5 AAC 29.080.

Key words: Chinook salmon, troll, winter, commercial, management plan, Alaska

INTRODUCTION

This plan summarizes the management approach the Alaska Department of Fish and Game (department) will employ to manage the Southeast Alaska/Yakutat commercial salmon winter troll fishery during the 2010–2011 season, provides harvest data from the previous winter troll season, and provides information about how regulations will be applied.

Regulations pertaining to the troll fishery are available in the *2009–2012 Southeast Alaska and Yakutat Commercial Salmon Fishing Regulations* pamphlet available at all Southeast Alaska ADF&G area offices.

MANAGEMENT PLAN

The winter Chinook salmon troll fishery in Southeast Alaska is managed in accordance with the Alaska Board of Fisheries (BOF) winter troll management plan [5 AAC 29.080] and the Pacific Salmon Treaty (PST). The 2011–2012 Southeast and Yakutat commercial winter troll season begins October 11, 2011 and will continue through April 30, 2012, or until a total of 45,000 Chinook salmon are harvested [5 AAC 29.070 (b)(1) and 5 AAC 29.080 (a)]. Treaty Chinook salmon (those not produced by Alaska hatcheries) caught in the winter troll fishery count towards the 2012 Southeast Alaska troll fishery allocation and the 2012 Southeast Alaska all-gear treaty quota. There is currently no quota yet established for the overall 2012 season; however, the winter troll fishery will be managed so the total harvest of all Chinook salmon does not exceed 45,000 fish, with a guideline harvest range of 43,000 to 47,000 fish [5 AAC 29.080 (a)]. Any treaty Chinook salmon not harvested during the winter fishery will be available for harvest in the spring and summer fisheries. The 45,000 fish cap was reached prior to April 30 during the 2002–2003 through 2006–2007 winter troll seasons, and during the 2010–2011 season. Prior to 2002–2003, the cap had not been exceeded since it went into effect in 1995. The 2010–2011 winter fishery closed 10 days early, on April 20, due primarily to increased catch rates and effort during the last four weeks of the fishery.

2010–2011 WINTER TROLL HARVEST

The 2010–2011 winter troll Chinook harvest was 50,826 fish, with a 7.4% Alaska hatchery contribution. This compares to a harvest of 42,536 fish with an Alaska hatchery contribution of 12.6% in 2009–2010, and an average harvest of 37,000 fish from 2005–2006 through 2009–2010. A total of 464 permits were fished in 2010–2011. This compares to 459 in 2009–2010 and an average of 456 permits fished 2005–2006 through 2009–2010. Harvest and effort in 2010–2011 were highest in March and April (Tables 1–7).

REGULATION SUMMARY

Regulations pertaining to the Southeast Alaska winter trolling season are compiled in the *2009–2012 Southeast Alaska and Yakutat Commercial Salmon Fishing Regulations* pamphlet. The following list is a guide to the pertinent winter regulatory subsections. These regulations may be modified inseason by emergency order; any such changes will be announced via standard

Commercial Fisheries Division News Releases. Copies of news releases, emergency orders, and regulation books are available at all Southeast Alaska Fish and Game area offices.

FISHING AREAS AND TIMES

The winter troll fishery is confined to the area east of a line that extends from the westernmost tip of Point Manby through 59°41.66' N. lat., 140°19.70' W. long., to 59°40.02' N. lat., 140°24.36' W. long. to 59°31.25' N. lat., 139°53.69' W. long. to 59°32.06' N. lat., 139°51.46' W. long. and then continues along the surf line as described in [5 AAC 29.020 (b)] (Figures 1, 2, and 3). Trolling is also allowed within 500 yards of the terminus of any salmon stream during the winter season except as listed under 5 AAC 29.080(b) [5 AAC 29.150 (a)(1)]. Salmon fishing districts of Southeast Alaska and Yakutat are shown in Figure 4. Winter troll closed waters are described in the following section of this plan.

CLOSED WATERS

Salmon trolling is permitted in all previously mentioned areas and at all times during the winter season, except as indicated below, according to 5 AAC 29.080 (b):

1. **District 1:** waters of Behm Canal in Section 1-D between a line from Nose Point to Snail Point and a line from Cactus Point to Point Eva are closed.
2. **District 8:** waters west of the Stikine River inside a line from Babbler Point to Hour Point, along the shore of Wrangell Island to Point Highfield to the southernmost tip of Liesnoi Island to the southernmost tip of Greys Island to the small island near the eastern entrance of Blind Slough, to the nearest point of Mitkof Island, to the prominent point of Mitkof Island nearest Coney Island, to the northernmost tip of Coney Island, to a point 500 yards north of Jap Creek on the mainland shore are closed (Figure 5).
3. **District 11:**
 - A. Section 11-A is closed except those waters west of a line from Outer Point to Point Louisa and south and east of a line from Salisbury Point to Point Tantallon. This area will close at 11:59 p.m., April 14, regardless of whether the winter troll season is open after that date. The waters of Gastineau Channel are closed.
 - B. Section 11-B is open throughout the winter season except those waters north of the latitude of Grave Point Light are open only from October 11 through March 31.
4. **District 15:** waters of Section 15-B (Berners Bay) are closed.

Except for those areas specified in this section, all remaining waters listed in the "Closed Waters" section of the regulation book are open to trolling during the winter troll season.

GEAR, VESSEL SPECIFICATIONS AND REGISTRATION

1. Troll vessels must be registered prior to fishing for the calendar year (5 AAC 29.115).
2. Troll vessels must be identified as specified in (5 AAC 39.119) and (5 AAC 29.125).
3. For troll gear specifications and operations see (5 AAC 29.120).

During the winter fishery only, hand-operated downriggers may be used in conjunction with fishing rods as follows (5 AAC 29.120(j)):

1. A downrigger may not be used with a troll gurdy;
2. A hand troll gurdy or downrigger powered by hand or hand crank may be used in conjunction with a fishing rod, and is not considered power troll gear;
3. An electric, hydraulic, or power assisted downrigger is considered a power troll gurdy and may not be used in conjunction with a fishing rod;
4. An aggregate of **two rods** with the fishing lines extending from the rods and connected to **two downriggers or hand troll gurdies** using a quick release device designed to release the fishing rod line from the downrigger line may be used;
5. No more than two troll gurdies, and four rigged fishing rods capable of taking fish, may be on board a salmon hand troll vessel; additional fishing rods may be on board the vessel but may not be rigged for taking fish.

SIZE AND LANDING REQUIREMENTS

Chinook salmon caught in the winter troll fishery must be equal to or greater than 28 inches in total length and the heads of all adipose-fin clipped salmon must remain attached until the fish is sold. For further specifications see (5 AAC 29.140).

SPORT FISHING AND CHARTERING FROM A REGISTERED TROLL VESSEL

1. A person may sport fish from a registered commercial salmon hand troll or power troll vessel [5 AAC 47.041 (a)]. A person who sport fishes from a vessel licensed for commercial fishing, other than a charter vessel, **in waters closed** to commercial salmon fishing shall, immediately upon bringing a salmon onboard, mark the salmon by **removing its dorsal fin** [5 AAC 47.041 (c)]. This regulation also applies when a person is sport fishing for a **species closed** to commercial trolling. Sport fishing from a commercially licensed vessel while commercially caught salmon are in possession is illegal in waters closed to commercial fishing [5 AAC 47.041(d)]. A troll gurdy may be used as a downrigger in conjunction with a sport fishing rod to sport fish for salmon.
2. A registered troll vessel may also be registered as a charter vessel. Charter boat registration applications are available at Fish and Game offices. A vessel registered both as a commercial troller and as a charter vessel may not be used to troll commercially and charter in the same day [5 AAC 75.995(8)].

REGULATIONS PERTAINING TO COMMERCIAL TROLL BYCATCH OF GROUNDFISH AND HALIBUT

For information on Southeast Alaska Groundfish regulations, refer to the 2011–2012 Statewide Commercial Groundfish Fishing Regulations booklet available at all Southeast ADF&G area offices. Information on groundfish bycatch allowances in the troll fishery can be found in the “Groundfish Bycatch in the 2011 Salmon Troll Fishery” news release that was issued on January 3, 2011.

In the state waters portion of the Eastern Gulf of Alaska, all groundfish incidentally taken by hand and power troll gear operated to take salmon consistent with applicable laws and regulations are legally taken and possessed in unlimited amounts with the following restrictions:

- The bycatch allowance for demersal shelf rockfish (DSR) is limited to 10% of the round weight of all salmon on board the vessel. All DSR in excess of 10% must be weighed and reported as bycatch overage on an ADF&G fish ticket. All proceeds from the sale of excess DSR bycatch taken in state waters shall be surrendered to the state [5 AAC 28.171]

(a)]. The seven species of rockfish in the DSR assemblage are yelloweye, quillback, canary, rosethorn, copper, china, and tiger rockfish. DSR bycatch overages must be reported on fish tickets but may be kept for a person's own use.

- The bycatch allowance for spiny dogfish in state waters is limited to 35% of the round weight of salmon on board the vessel.
- Lingcod may be taken as bycatch in the commercial salmon troll fishery only from May 16 through November 30 [5AAC 28.113 (c)].
- Lingcod must measure at least 27 inches from the tip of the snout to the tip of the tail, or 20.5 inches from the front of the dorsal fin to the tip of the tail.
- The 2011 commercial troll lingcod allocation has been harvested in the Icy Bay Subdistrict (IBS), Northern Southeast Outside (NSEO) Section, and Southern Southeast Outer Coast Sector (SSEOC) and these areas are closed to lingcod retention for the remainder of the year. As of September 14, lingcod allocation remains available for the fall portion of the winter troll fishery in the Central Southeast Outside (CSEO) Section, Northern Southeast Inside (NSEI) Subdistrict, and the Southern Southeast Internal Waters (SSEIW) Sector. The lingcod bycatch allowance in these areas is 20% and may be retained in these areas until allocations are taken or November 30, whichever occurs first. Bycatch allowances are based on the round weight of salmon on board the vessel.
- The retention of lingcod is prohibited in the troll fishery in the waters of Sitka Sound [5AAC 28.150(a)]. The Sitka Sound closure area is defined as the waters that are enclosed on the north by lines from Kruzof Island at 57°20.50' N. lat., 135°45.17' W. long. to Chichagof Island at 57°22.05' N. lat., 135°43.00' W. long., and from Chichagof Island at 57°22.58' N. lat., 135°41.30' W. long. to Baranof Island at 57°22.28' N. lat., 135°40.95' W. long., and on the south and west by a line running from the southernmost tip of Sitka Point at 56°59.38' N. lat., 135°49.57' W. long. to Hanus Point at 56°51.92' N. lat., 135°30.50' W. long. to the green day marker in Dorothy Narrows at 56°49.28' N. lat., 135°22.75' W. long. to Baranof Island at 56°49.28' N. lat., 135°22.60' W. long.

Lingcod harvest allocations for the troll fishery are set by Lingcod Management Area (Figure 6) and area closures will occur as allocations are taken. Inseason closures will be announced by news release and marine radio broadcast by the United States Coast Guard and National Weather Service. For updates on lingcod area closures, call the Groundfish Hotline at 747-4882 or contact the Groundfish staff in Sitka at 747-6688.

Other regulations:

Halibut incidentally taken during an open commercial halibut season by power and hand troll gear being operated for salmon consistent with applicable state laws and regulations are legally taken and possessed [5AAC 28.133 (c)]. Commercial halibut may be legally retained only by IFQ permit holders during the open season for halibut. Trollers making an IFQ halibut landing of 500 lbs or less of IFQ weight as determined pursuant to 50 CFR 679.42(h) are exempted from the 3 hour Prior Notice of Landing (PNOL) if landed concurrently with a legal landing of salmon [50 CFR 679.5(l)(1)(iv)(A)]. Halibut taken incidentally during the troll fishery shall be reported on an ADF&G fish ticket using the CFEC salmon permit. For information on regulations and

landing requirements for the federal IFQ halibut fishery contact the National Marine Fisheries Service.

Trollers are allowed to longline for groundfish and troll for salmon on the same trip as long as fish are not onboard the vessel in an area closed to commercial fishing or closed to retention of that species and the fisher has both a commercial salmon permit and the appropriate commercial longline permit.

A vessel may not participate in a directed fishery for groundfish with dinglebar troll or mechanical jig gear if they have commercial caught salmon on board. A vessel fishing for groundfish with dinglebar troll gear must display the letter "D" and a vessel fishing for groundfish with mechanical jiggling machines must display the letter "M" at all times when fishing with or transporting fish taken with dinglebar troll gear or mechanical jiggling machines [5AAC 28.135 (a)(4)]. A person may not operate a vessel that is displaying one of these letters when the vessel is being used to fish for salmon [5AAC 28.135 (c)].

FISHERY CONTACTS

The following are commercial fisheries division contacts regarding this management plan:

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For up-to-date troll information, call the 24-hour information line in the Douglas Office at 465-TROL (8765). In addition, the following telephone numbers may be called during the troll fishing season to obtain recorded announcements concerning areas open to trolling.

Ketchikan-(907) 225-6870

Sitka-(907) 747-8765

Petersburg-(907) 772-3700

SOUTHEAST ALASKA TROLL WEBSITE INFORMATION:

<http://www.adfg.alaska.gov/index.cfm?adfg=commercialbyareasoutheast.salmon>

Table 1.—Winter troll Chinook harvest, October 11, 2010 through April 20, 2011, for Districts 101–103.

District	Week	Dates	Permits	Landings	Chinook	Chinook Per Landing	Chinook Per Permit	Avg Wt. (lbs)
101	42	Oct 10–16, 2010	6	6	27	4.5	4.5	11.51
101	43	Oct 17–23, 2010	7	8	89	11.1	12.7	11.30
101	44	Oct 24–30, 2010	6	8	95	11.9	15.8	11.78
101	46	Nov 7–13, 2010	3	3	39	13.0	13.0	10.62
101	47	Nov 14–20, 2010	4	5	41	8.2	10.3	11.90
101	48	Nov 21–27, 2010	4	4	17	4.3	4.3	9.41
101	49	Nov 28– Dec 4, 2010	4	5	30	6.0	7.5	12.04
101	50	Dec 5–11, 2010	3	3	13	4.3	4.3	10.69
101	06	Jan 30– Feb 5, 2011	3	3	49	16.3	16.3	11.92
101	13	Mar 20–26, 2011	3	4	75	18.8	25.0	11.49
101	14	Mar 27– Apr 2, 2011	6	8	105	13.1	17.5	10.74
101	16	Apr 10–16, 2011	4	5	24	4.8	6.0	12.42
101	17	Apr 17–23, 2011	5	6	42	7.0	8.4	10.60
101 Total			23	86	780	9.1	33.9	11.37
102	44	Oct 24–30, 2010	3	3	70	23.3	23.3	12.20
102	51	Dec 12–18, 2010	3	4	45	11.3	15.0	10.18
102	12	Mar 13–19, 2011	3	3	56	18.7	18.7	10.59
102	17	Apr 17–23, 2011	4	5	139	27.8	34.8	10.98
102 Total			13	41	794	19.4	61.1	10.80
103	43	Oct 17–23, 2010	4	4	96	24.0	24.0	12.68
103	44	Oct 24–30, 2010	5	6	70	11.7	14.0	13.99
103	46	Nov 7–13, 2010	8	11	109	9.9	13.6	13.38
103	47	Nov 14–20, 2010	5	5	54	10.8	10.8	12.54
103	48	Nov 21–27, 2010	13	13	136	10.5	10.5	12.85
103	49	Nov 28– Dec 4, 2010	10	12	65	5.4	6.5	12.57
103	50	Dec 5–11, 2010	12	16	173	10.8	14.4	13.90
103	51	Dec 12–18, 2010	4	4	23	5.8	5.8	14.26
103	52	Dec 19–25, 2010	12	13	56	4.3	4.7	12.21
103	53	Dec 26–31, 2010	3	4	35	8.8	11.7	10.54
103	02	Jan 2–8, 2011	9	9	90	10.0	10.0	12.67
103	03	Jan 9–15, 2011	11	11	88	8.0	8.0	12.63
103	04	Jan 16–22, 2011	6	7	42	6.0	7.0	14.67
103	05	Jan 23–29, 2011	3	3	7	2.3	2.3	14.00
103	06	Jan 30– Feb 5, 2011	7	8	49	6.1	7.0	11.61
103	07	Feb 6–12, 2011	8	9	56	6.2	7.0	13.84
103	08	Feb 13–19, 2011	6	6	92	15.3	15.3	11.99
103	11	Mar 6–12, 2011	4	4	44	11.0	11.0	11.41
103	12	Mar 13–19, 2011	4	5	74	14.8	18.5	12.66
103	13	Mar 20–26, 2011	5	5	41	8.2	8.2	12.32
103	14	Mar 27– Apr 2, 2011	9	11	117	10.6	13.0	13.24
103	15	Apr 3–9, 2011	3	3	108	36.0	36.0	11.95
103	16	Apr 10–16, 2011	3	3	33	11.0	11.0	12.94
103	17	Apr 17–23, 2011	13	15	110	7.3	8.5	13.11
103 Total			41	192	1,788	9.3	43.6	12.87

Note: Weeks and districts with less than 3 permits fished are omitted due to confidentiality considerations. Therefore, the totals may not reflect the sum of the weekly harvests shown.

Table 2.—Winter troll Chinook harvest, October 11, 2010 through April 20, 2011, for Districts 104–106.

District	Week	Dates	Permits	Landings	Chinook	Chinook Per Landing	Chinook Per Permit	Avg Wt. (lbs)
104	07	Feb 6–12, 2011	3	3	15	5.0	5.0	13.47
104	09	Feb 20–26, 2011	3	3	45	15.0	15.0	11.33
104	12	Mar 13–19, 2011	7	8	279	34.9	39.9	12.20
104	13	Mar 20–26, 2011	7	7	323	46.1	46.1	12.38
104	14	Mar 27–Apr 2, 2011	6	6	183	30.5	30.5	12.29
104	16	Apr 10–16, 2011	4	4	187	46.8	46.8	11.52
104	17	Apr 17–23, 2011	8	9	273	30.3	34.1	12.29
104 Total			25	47	1,427	30.4	57.1	12.13
105	05	Jan 23–29, 2011	4	6	21	3.5	5.3	16.05
105	06	Jan 30–Feb 5, 2011	4	4	40	10.0	10.0	13.35
105	07	Feb 6–12, 2011	4	4	38	9.5	9.5	13.71
105	08	Feb 13–19, 2011	3	4	65	16.3	21.7	12.58
105	09	Feb 20–26, 2011	3	4	31	7.8	10.3	12.61
105	11	Mar 6–12, 2011	3	4	48	12.0	16.0	11.69
105	12	Mar 13–19, 2011	11	11	330	30.0	30.0	11.29
105	13	Mar 20–26, 2011	17	21	319	15.2	18.8	12.05
105	14	Mar 27–Apr 2, 2011	25	32	795	24.8	31.8	11.65
105	15	Apr 3–9, 2011	24	26	470	18.1	19.6	11.80
105	16	Apr 10–16, 2011	26	27	746	27.6	28.7	12.27
105	17	Apr 17–23, 2011	22	27	536	19.9	24.4	12.69
105 Total			53	179	3,471	19.4	65.5	12.07
106	43	Oct 17–23, 2010	4	5	13	2.6	3.3	15.57
106	44	Oct 24–30, 2010	5	8	20	2.5	4.0	14.26
106	45	Oct 31–Nov 6, 2010	3	5	10	2.0	3.3	17.29
106	46	Nov 7–13, 2010	7	11	28	2.5	4.0	15.47
106	47	Nov 14–20, 2010	9	14	39	2.8	4.3	17.18
106	48	Nov 21–27, 2010	7	18	30	1.7	4.3	16.15
106	49	Nov 28–Dec 4, 2010	8	8	10	1.3	1.3	17.62
106	50	Dec 5–11, 2010	4	7	14	2.0	3.5	17.11
106	51	Dec 12–18, 2010	13	18	60	3.3	4.6	16.92
106	53	Dec 26–31, 2010	4	5	29	5.8	7.3	17.00
106	02	Jan 2–8, 2011	3	4	6	1.5	2.0	15.82
106	03	Jan 9–15, 2011	4	7	10	1.4	2.5	19.52
106	04	Jan 16–22, 2011	5	6	25	4.2	5.0	14.46
106	05	Jan 23–29, 2011	17	23	80	3.5	4.7	15.18
106	06	Jan 30–Feb 5, 2011	9	19	44	2.3	4.9	16.59
106	07	Feb 6–12, 2011	18	37	116	3.1	6.4	16.85
106	08	Feb 13–19, 2011	7	8	16	2.0	2.3	16.01
106	09	Feb 20–26, 2011	9	14	44	3.1	4.9	16.13
106	11	Mar 6–12, 2011	7	11	32	2.9	4.6	15.85
106	12	Mar 13–19, 2011	6	9	26	2.9	4.3	15.82
106	13	Mar 20–26, 2011	3	4	4	1.0	1.3	21.80
106	14	Mar 27–Apr 2, 2011	9	13	33	2.5	3.7	17.45
106	15	Apr 3–9, 2011	6	8	13	1.6	2.2	14.31
106	16	Apr 10–16, 2011	6	13	42	3.2	7.0	17.45
106 Total			42	285	765	2.7	18.2	16.44

Note: Weeks and districts with less than 3 permits fished are omitted due to confidentiality considerations. Therefore, the totals may not reflect the sum of the weekly harvests shown.

Table 3.—Winter troll Chinook harvest, October 11, 2010 through April 20, 2011, for Districts 107–110.

District	Week	Dates	Permits	Landings	Chinook	Chinook Per Landing	Chinook Per Permit	Avg Wt. (lbs)
107	42	Oct 10–16, 2010	3	3	8	2.7	2.7	13.63
107	43	Oct 17–23, 2010	3	3	25	8.3	8.3	12.92
107 Total			11	17	110	6.5	10.0	13.78
108	42	Oct 10–16, 2010	5	7	15	2.1	3.0	14.20
108	43	Oct 17–23, 2010	7	12	117	9.8	16.7	11.00
108	44	Oct 24–30, 2010	9	14	74	5.3	8.2	11.98
108	46	Nov 7–13, 2010	5	8	28	3.5	5.6	13.54
108	47	Nov 14–20, 2010	6	7	41	5.9	6.8	11.43
108	48	Nov 21–27, 2010	5	9	20	2.2	4.0	12.91
108	49	Nov 28–Dec 4, 2010	4	4	34	8.5	8.5	10.72
108	51	Dec 12–18, 2010	3	4	9	2.3	3.0	12.48
108	05	Jan 23–29, 2011	4	4	21	5.3	5.3	14.08
108	07	Feb 6–12, 2011	4	5	16	3.2	4.0	14.76
108	13	Mar 20–26, 2011	5	5	11	2.2	2.2	12.76
108	14	Mar 27–Apr 2, 2011	5	8	44	5.5	8.8	12.27
108	15	Apr 3–9, 2011	3	4	18	4.5	6.0	11.59
108	16	Apr 10–16, 2011	6	9	37	4.1	6.2	12.09
108	17	Apr 17–23, 2011	5	5	16	3.2	3.2	16.69
108 Total			43	117	559	4.8	13.0	12.55
109	46	Nov 7–13, 2010	5	5	11	2.2	2.2	13.85
109	13	Mar 20–26, 2011	4	4	67	16.8	16.8	11.87
109	14	Mar 27–Apr 2, 2011	8	8	349	43.6	43.6	11.62
109	15	Apr 3–9, 2011	11	11	470	42.7	42.7	11.25
109	16	Apr 10–16, 2011	12	12	487	40.6	40.6	11.69
109	17	Apr 17–23, 2011	18	18	368	20.4	20.4	12.27
109 Total			46	80	1,903	23.8	41.4	11.85
110	42	Oct 10–16, 2010	16	19	485	25.5	30.3	13.39
110	43	Oct 17–23, 2010	28	29	818	28.2	29.2	13.42
110	44	Oct 24–30, 2010	24	25	558	22.3	23.3	13.85
110	45	Oct 31–Nov 6, 2010	3	3	46	15.3	15.3	13.69
110	46	Nov 7–13, 2010	8	8	85	10.6	10.6	13.26
110	47	Nov 14–20, 2010	5	5	113	22.6	22.6	12.84
110	48	Nov 21–27, 2010	3	3	18	6.0	6.0	10.29
110	50	Dec 5–11, 2010	4	5	45	9.0	11.3	13.61
110	02	Jan 2–8, 2011	3	3	10	3.3	3.3	13.58
110	05	Jan 23–29, 2011	5	5	31	6.2	6.2	13.51
110	06	Jan 30–Feb 5, 2011	4	5	32	6.4	8.0	13.43
110	12	Mar 13–19, 2011	7	7	25	3.6	3.6	14.16
110	13	Mar 20–26, 2011	3	3	7	2.3	2.3	16.86
110	14	Mar 27–Apr 2, 2011	3	4	8	2.0	2.7	21.04
110	15	Apr 3–9, 2011	3	4	22	5.5	7.3	19.51
110	16	Apr 10–16, 2011	5	5	48	9.6	9.6	14.87
110	17	Apr 17–23, 2011	8	8	32	4.0	4.0	16.23
110 Total			52	145	2,402	16.6	46.2	13.64

Note: Weeks and districts with less than 3 permits fished are omitted due to confidentiality considerations. Therefore, the totals may not reflect the sum of the weekly harvests shown.

Table 4.—Winter troll Chinook harvest, October 11, 2010 through April 20, 2011, for Districts 111–114.

District	Week	Dates	Permits	Landings	Chinook	Chinook Per Landing	Chinook Per Permit	Avg Wt. (lbs)
111 Total			5	6	54	9.0	10.8	12.62
112	42	Oct 10–16, 2010	5	6	101	16.8	20.2	11.90
112	43	Oct 17–23, 2010	3	4	97	24.3	32.3	10.94
112 Total			10	18	222	12.3	22.2	11.81
113	42	Oct 10–16, 2010	38	62	739	11.9	19.4	12.22
113	43	Oct 17–23, 2010	51	67	669	10.0	13.1	12.62
113	44	Oct 24–30, 2010	46	66	674	10.2	14.7	11.71
113	45	Oct 31– Nov 6, 2010	12	15	121	8.1	10.1	12.47
113	46	Nov 7–13, 2010	37	51	997	19.5	26.9	12.62
113	47	Nov 14–20, 2010	32	40	385	9.6	12.0	13.90
113	48	Nov 21–27, 2010	26	33	158	4.8	6.1	13.12
113	49	Nov 28– Dec 4, 2010	25	34	213	6.3	8.5	13.06
113	50	Dec 5–11, 2010	16	19	108	5.7	6.8	13.74
113	51	Dec 12–18, 2010	18	26	104	4.0	5.8	14.22
113	52	Dec 19–25, 2010	15	17	73	4.3	4.9	13.74
113	53	Dec 26–31, 2010	11	12	75	6.3	6.8	14.81
113	02	Jan 2–8, 2011	9	12	70	5.8	7.8	14.87
113	03	Jan 9–15, 2011	21	27	186	6.9	8.9	14.18
113	04	Jan 16–22, 2011	7	9	50	5.6	7.1	14.86
113	05	Jan 23–29, 2011	15	20	136	6.8	9.1	14.53
113	06	Jan 30– Feb 5, 2011	25	37	453	12.2	18.1	14.88
113	07	Feb 6–12, 2011	38	45	414	9.2	10.9	14.17
113	08	Feb 13–19, 2011	27	35	223	6.4	8.3	13.96
113	09	Feb 20–26, 2011	44	58	632	10.9	14.4	14.64
113	10	Feb 27– Mar 5, 2011	18	24	210	8.8	11.7	14.28
113	11	Mar 6–12, 2011	48	54	409	7.6	8.5	14.08
113	12	Mar 13–19, 2011	51	72	902	12.5	17.7	13.90
113	13	Mar 20–26, 2011	95	148	1,882	12.7	19.8	13.77
113	14	Mar 27– Apr 2, 2011	99	158	3,547	22.4	35.8	12.48
113	15	Apr 3–9, 2011	105	139	4,271	30.7	40.7	11.37
113	16	Apr 10–16, 2011	119	173	3,721	21.5	31.3	12.18
113	17	Apr 17–23, 2011	164	249	8,162	32.8	49.8	11.78
113 Total			212	1,702	29,584	17.4	139.5	12.42
114	42	Oct 10–16, 2010	4	4	12	3.0	3.0	11.01
114	48	Nov 21–27, 2010	3	3	17	5.7	5.7	12.32
114	50	Dec 5–11, 2010	3	3	19	6.3	6.3	11.89
114	07	Feb 6–12, 2011	3	4	20	5.0	6.7	13.53
114	09	Feb 20–26, 2011	3	4	13	3.3	4.3	12.46
114	15	Apr 3–9, 2011	5	6	59	9.8	11.8	13.84
114	16	Apr 10–16, 2011	9	11	200	18.2	22.2	12.57
114	17	Apr 17–23, 2011	15	20	628	31.4	41.9	11.04
114 Total			26	81	1,119	13.8	43.0	12.00

Note: Weeks and districts with less than 3 permits fished are omitted due to confidentiality considerations. Therefore, the totals may not reflect the sum of the weekly harvests shown.

Table 5.—Winter troll Chinook harvest, October 11, 2010 through April 20, 2011, for District 183.

District	Week	Dates	Permits	Landings	Chinook	Chinook Per Landing	Chinook Per Permit	Avg Wt. (lbs)
183	42	Oct 10–16, 2010	20	46	678	14.7	33.9	13.93
183	43	Oct 17–23, 2010	27	63	538	8.5	19.9	13.39
183	44	Oct 24–30, 2010	20	36	330	9.2	16.5	13.59
183	45	Oct 31– Nov 6, 2010	4	4	30	7.5	7.5	15.49
183	46	Nov 7–13, 2010	17	36	623	17.3	36.6	13.30
183	47	Nov 14–20, 2010	25	64	755	11.8	30.2	14.39
183	48	Nov 21–27, 2010	18	30	170	5.7	9.4	12.61
183	49	Nov 28– Dec 4, 2010	4	10	26	2.6	6.5	11.50
183	50	Dec 5–11, 2010	13	26	84	3.2	6.5	14.18
183	51	Dec 12–18, 2010	11	23	83	3.6	7.5	13.83
183	52	Dec 19–25, 2010	13	38	186	4.9	14.3	13.78
183	53	Dec 26–31, 2010	11	21	71	3.4	6.5	14.82
183	02	Jan 2–8, 2011	9	15	29	1.9	3.2	12.69
183	03	Jan 9–15, 2011	9	15	73	4.9	8.1	13.06
183	04	Jan 16–22, 2011	8	13	24	1.8	3.0	11.79
183	05	Jan 23–29, 2011	5	9	37	4.1	7.4	13.93
183	06	Jan 30– Feb 5, 2011	4	7	16	2.3	4.0	12.94
183	07	Feb 6–12, 2011	7	8	20	2.5	2.9	13.82
183	08	Feb 13–19, 2011	5	13	21	1.6	4.2	14.23
183	09	Feb 20–26, 2011	8	22	58	2.6	7.3	15.22
183	10	Feb 27– Mar 5, 2011	2	2	2	1.0	1.0	19.50
183	11	Mar 6–12, 2011	15	33	93	2.8	6.2	13.31
183	12	Mar 13–19, 2011	12	32	85	2.7	7.1	13.95
183	13	Mar 20–26, 2011	11	28	101	3.6	9.2	11.99
183	14	Mar 27– Apr 2, 2011	14	28	63	2.3	4.5	13.95
183	15	Apr 3–9, 2011	20	36	387	10.8	19.4	11.94
183	16	Apr 10–16, 2011	28	76	670	8.8	23.9	11.53
183	17	Apr 17–23, 2011	27	58	595	10.3	22.0	11.83
183 Total			46	792	5,848	7.4	127.1	13.14

Note: Weeks and districts with less than 3 permits fished are omitted due to confidentiality considerations. Therefore, the totals may not reflect the sum of the weekly harvests shown.

Table 6.–Weekly effort, harvest, average price and average weight in the 2011 winter troll fishery.

2011 Weekly Chinook Salmon Catch and Effort Data						Ave. Wt. (lbs)
Week	Permits	Landings	Number	Pounds	Ave. Price	
42	100	159	2,139	27,683	\$6.91	12.97
43	135	202	2,647	33,819	\$6.81	12.84
44	121	172	1,912	24,489	\$6.34	12.83
45	25	31	242	3,158	\$6.42	13.10
46	91	136	1,942	25,134	\$6.38	12.96
47	90	147	1,463	20,362	\$6.59	13.95
48	81	116	619	7,840	\$6.56	12.69
49	60	78	403	5,141	\$6.68	12.88
50	61	87	507	6,981	\$7.00	13.80
51	60	87	367	5,065	\$7.29	13.80
52	45	74	386	4,962	\$7.28	12.85
53	37	50	240	3,366	\$7.44	14.03
1	3	3	9	111	\$7.13	12.29
2	41	53	276	3,836	\$7.47	13.90
3	51	68	428	5,744	\$7.90	13.42
4	32	42	159	2,255	\$7.92	14.18
5	55	78	389	5,547	\$8.36	14.30
6	62	90	725	10,282	\$8.53	14.20
7	86	117	716	10,362	\$8.53	14.47
8	51	70	435	5,820	\$8.50	13.38
9	76	111	854	12,273	\$8.66	14.42
10	25	31	222	3,173	\$8.80	14.29
11	85	115	785	10,332	\$8.65	13.16
12	101	151	1,800	23,345	\$8.55	13.01
13	157	234	2,871	37,972	\$7.65	13.26
14	181	277	5,287	65,151	\$7.35	12.34
15	182	241	5,877	67,567	\$6.55	11.51
16	219	339	6,211	75,267	\$6.45	12.13
17	281	417	10,915	128,707	\$6.40	11.84
Totals	464	3,776	50,826	635,742	\$6.97	12.54

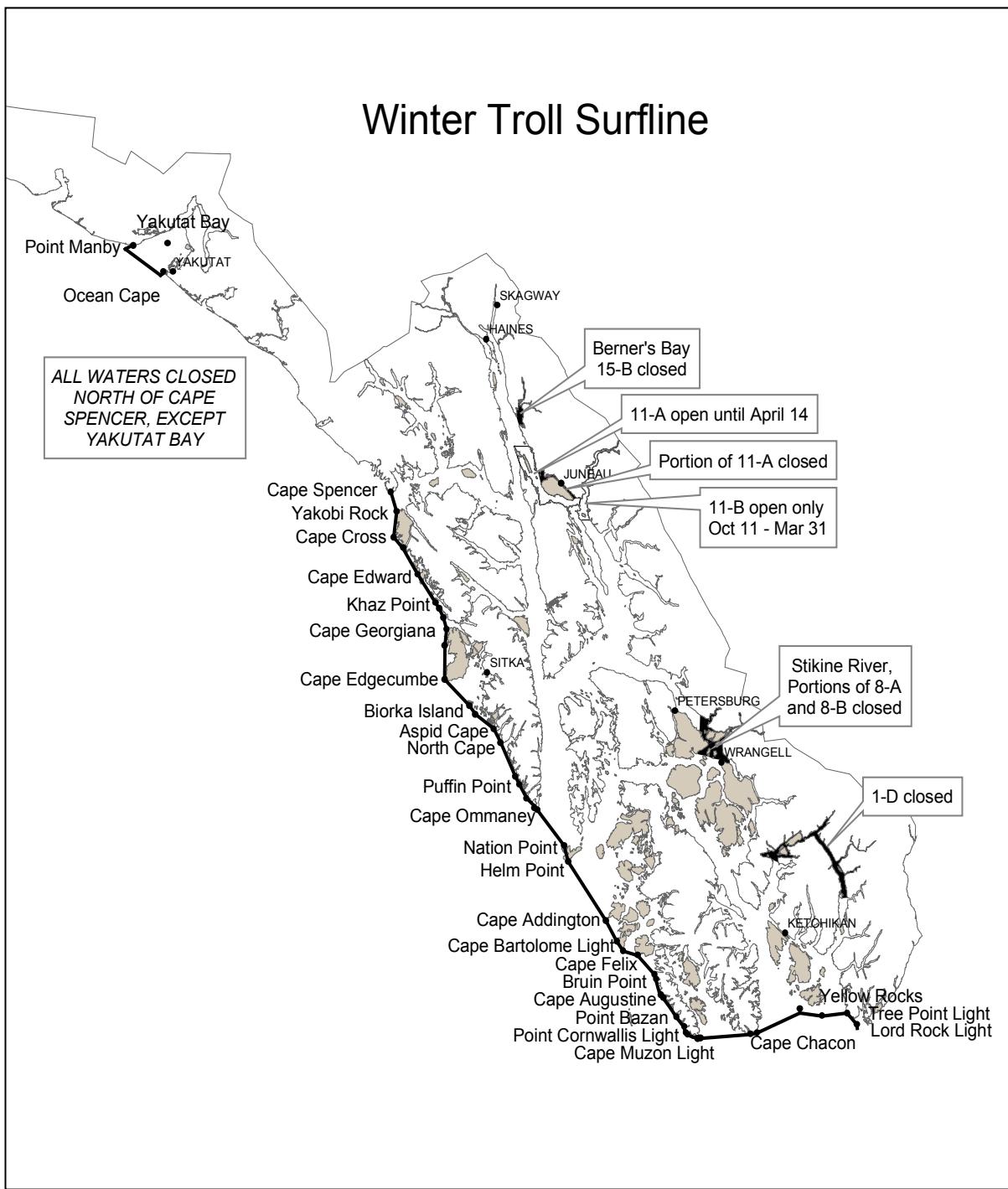


Figure 1.—Southeast Alaska/Yakutat winter troll fishery areas.

Note: For a full description of areas closed to winter trolling, see page 4 of this guide.

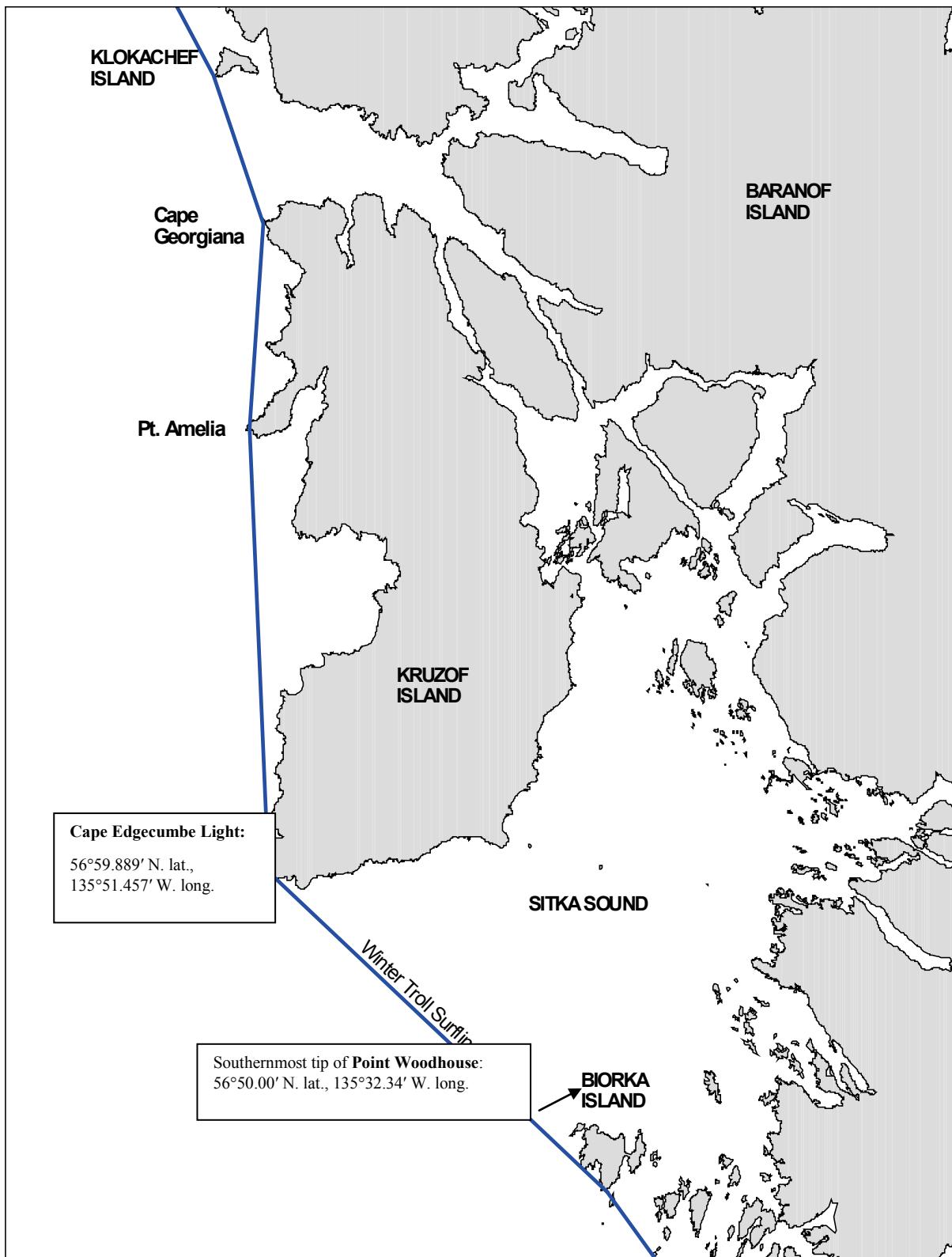


Figure 2.—Sitka area winter troll boundary line (surfline).

Note: The Cape Edgecumbe Light coordinates are from the United States Coast Guard Light List, Vol. VI, 2011.

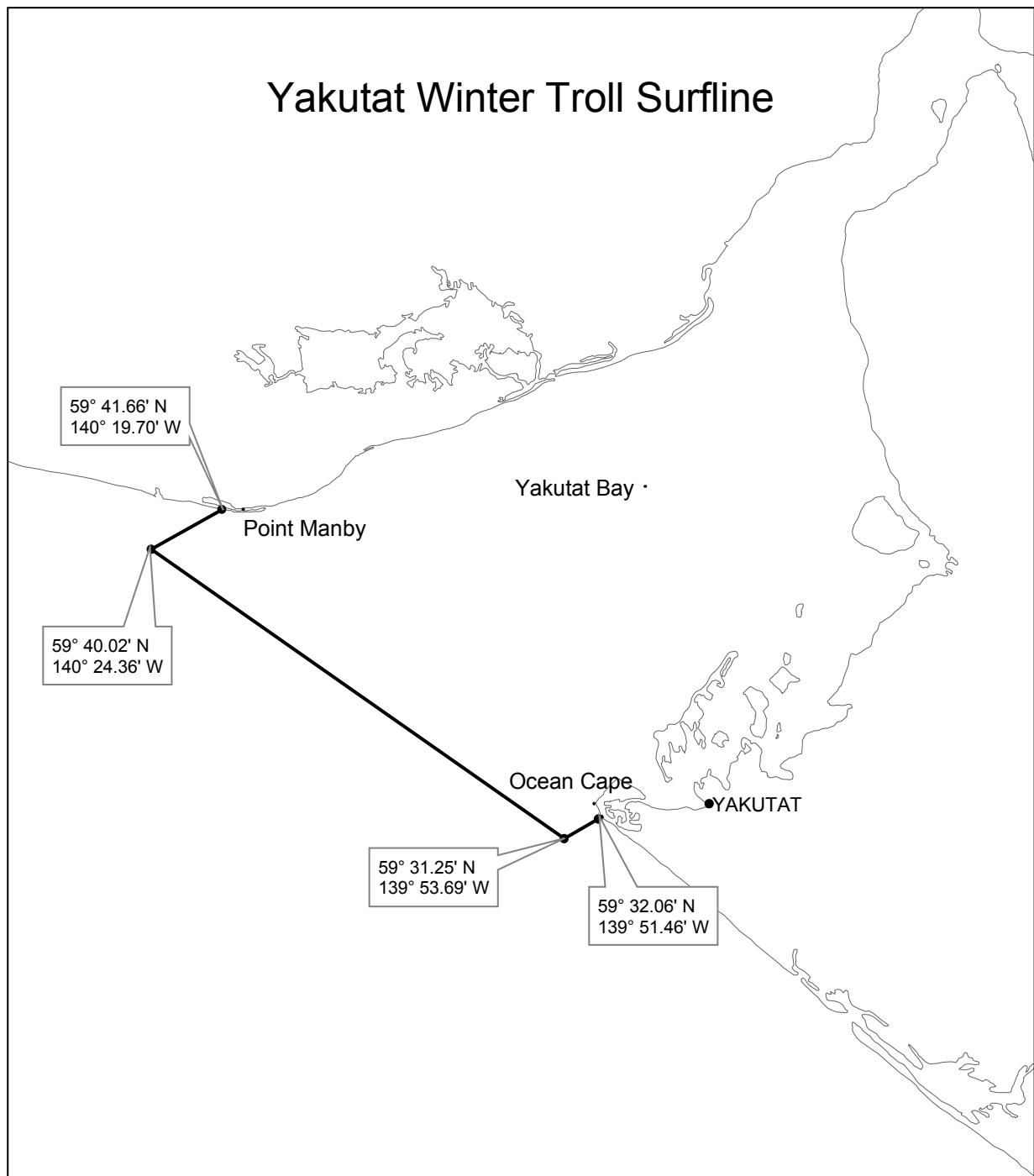


Figure 3.—Yakutat Bay winter troll boundary line (surfline).

ADF&G Fishing Areas by District

**Mercator Projection
NAD27 Datum
Not For Navigational Purposes**

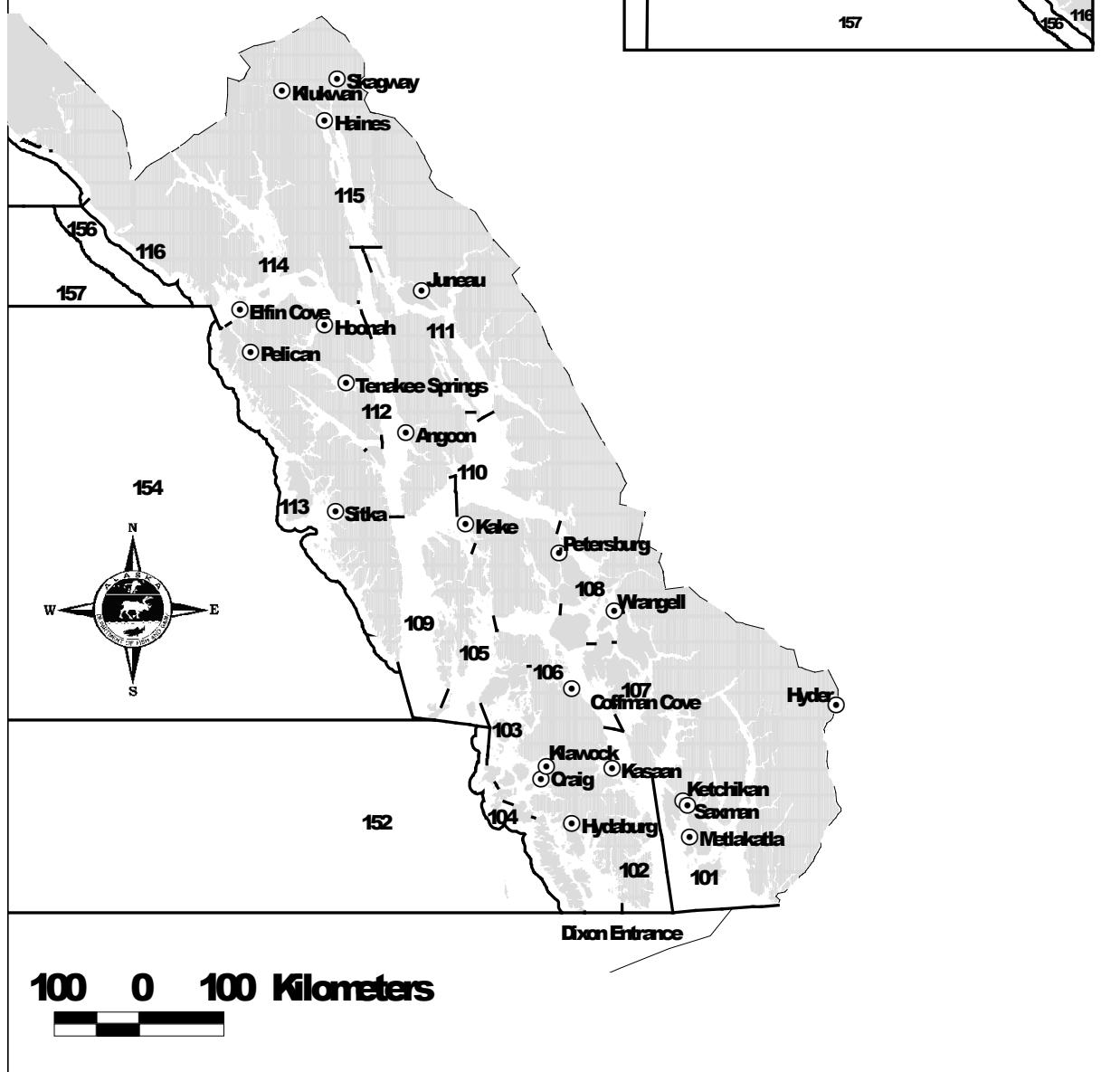


Figure 4.—Southeast Alaska/Yakutat salmon fishing districts.



Figure 5.—District 8 winter troll closed waters.

Southeast Alaska Lingcod Management Areas

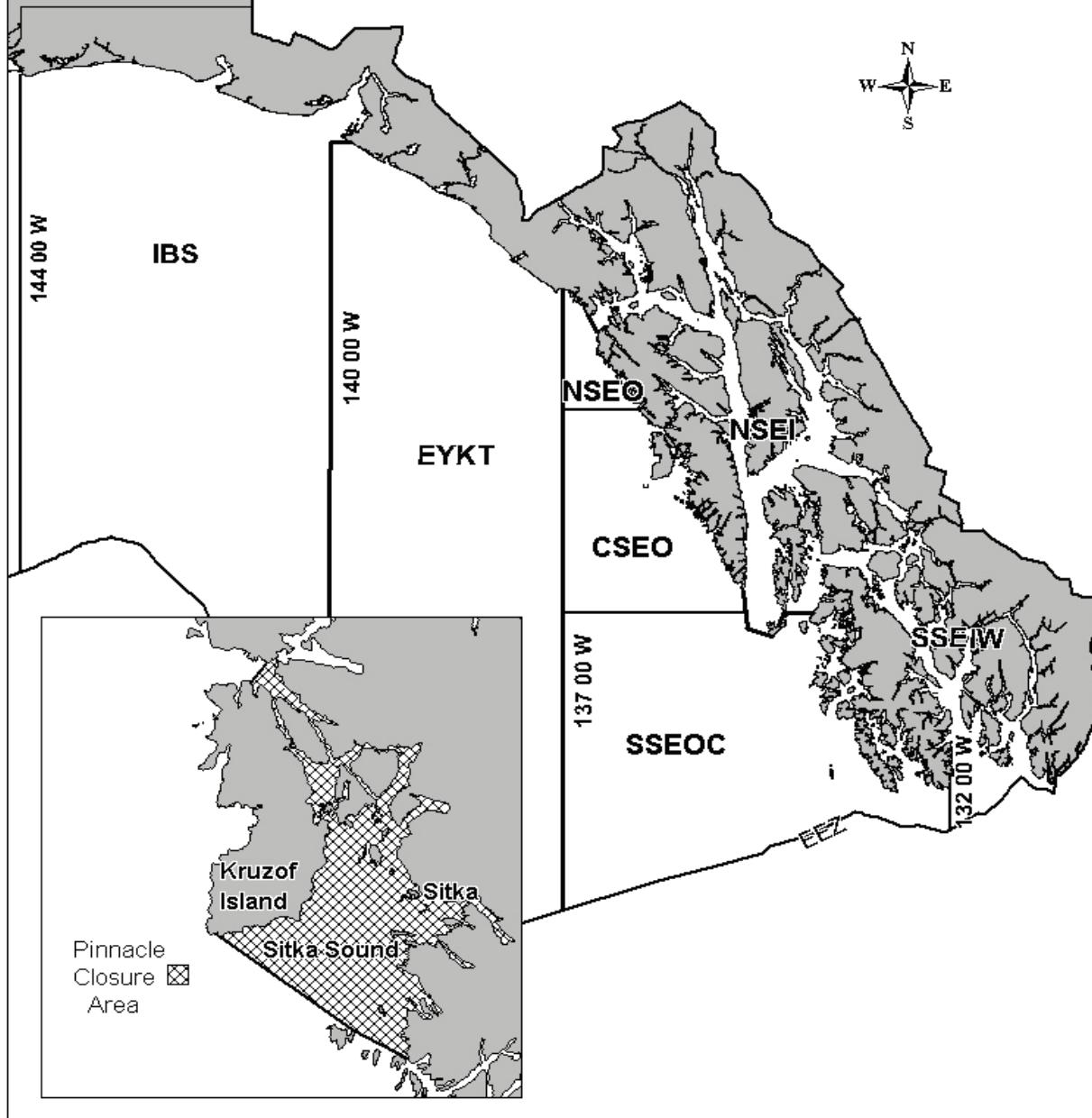


Figure 6.—Southeast Alaska lingcod management areas.

Note: All areas will close to lingcod retention on November 30, unless closed earlier by emergency order. See pages 5-7 of this guide for further regulations pertaining to groundfish retention.

ACKNOWLEDGEMENTS

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