State of Alaska
Department of Fish and Game
Division of Sport Fish

Nomination Form
Anadromous Waters Catalog

JB

Region: Southcentral

USGS Quad(s): Seldovia B-4

Anadromous Waters Catalog Number of Waterway: 242-42-10430

Name of Waterway: Island Creek

☐ USGS Name ☒ Local Name

☐ Addition ☐ Deletion ☐ Correction ☒ Backup Information

ALASKA DEPT. OF FISH & GAME
OCT 29 2009

For Office Use

Nomination #	C9-1536		
		Fisheries Scientist	Date
Revision Year:	2010		
Revision to:	Atlas ____ Catalog ____	Habitat Operations Manager	Date
	Both ____		30 OCT 09
		AWC Project Biologist	Date
Revision Code:	F-1		
		Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Pink salmon	2009	Yes			☒
Chum salmon	2009	Yes			☒
Coho salmon	2009			Yes	☒
					☐
					☐

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments:

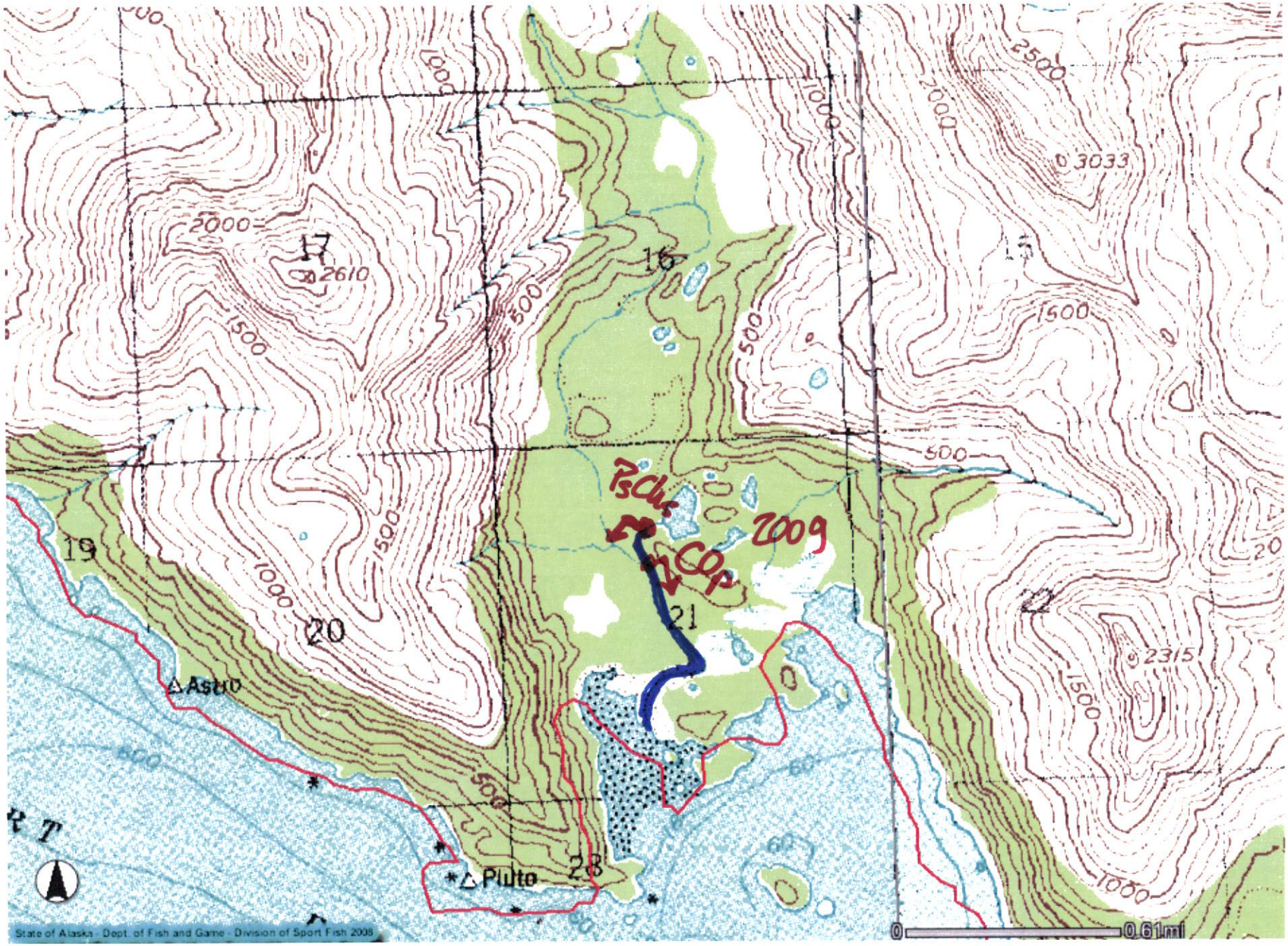
See attached documentation of Air and Ground surveys
Ground survey (2009). Observed pinks and chums spawning.
Cohos present. See attached map.

Name of Observer (please print): Tom Sigurdsson
Signature: Tom Sigurdsson
Date: 10/21/2009
Agency: ADFG
Address: 3298 Douglas Place
Homer, AK 99603

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Anadromous Waters Catalog.

Signature of Area Biologist: [signature] Date: 10/26/2009

Revision 02/08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STREAM SURVEY

ISLAND CREEK
Name of Stream, Lake or Bay

OUTER
Drainage or District

Year 1964 Date	Weather and Tide	Time	Distance, Miles	Method	Estimate Numbers Live Salmon	RCPSK Species	In salt water	In stream	Surveyor	Remarks
7/1				Air	0				ASD	
7/8	Clear Low	1045		Air	3,000-4,000	C		X	JR	Need more in stream
					8,000	C P	X		"	Escapement is in upper section Lower section not being used.
7/8	O'cast Half tide	1025		Air	Many	C	X			
					3,000			X		Need more spawners
7/15	Clear Half tide	1030		Air	4,500	C		X	JR	
					12,000	C P	X		"	Behind markers - moved markers in.
7/15	Visibility Excellent	1005		Air	12,000				JR	On flats, inside markers. Lower end stream lost to spawning.
					4,500	C		X		
7/18	High			Air	4,500	C P		X	ASD	
7/20	High			Air	8,000	C		X	ASD	
7/25				Air	Good Escape.	C			JR	No Pinks - Chums look good.
7/30	CAVU	1045		Air	10,000	C P			JR	Behind markers - 15-20 boats, two tenders.
8/7	High			Air	30,000	P		X	ASD	
					25,000	P	X		"	

ADFG-CFD
1/26/61

OUTER DISTRICT - PORT DICK - ISLAND CREEK

DATE	NO. FISH BAYS	SPECIES	NO. FISH STREAMS	SPECIES	WEATHER	REMARKS
7/1/87	-0-				windy/turbid	air
7/3/87	-0-					air
7/7/87	800	chum	100	chum		air
7/8/87	-0-		1,700			air
7/11/87	150	chum	1,500	chum		air
7/17/87	1,000	chum				air
7/17/87			788	chum	oc/wind	ground/vis poor
7/19/87	700	pink				
	7,200	chum	400	chum		air
7/24/87	8,550	chum	550(middle cr)	chum		air
	2,600(middle cr)	chum	1,700(island)	chum		
7/27/87	1,300	chum	12,600(lagoon)	chum		air
7/27/87			2	pink	clear/calm	ground/vis good
			3,570	chum		
7/29/87	2,400(middle cr)	chum	1,400(middle cr)	chum		air
	7,200	chum	3,900	chum		
8/3/87	1,650	pink & chum	7,700			air
8/11/87			70	pink	light rain	ground/vis fair
			7,460	chum		
8/13/87	5,500	chum				air
8/17/87	5,300	chum				air
8/19/87			32	pink	clear/calm	ground
			7,205	chum		
8/24/87	2,325	chum				air
8/31/87	2,250	pink				air
6/24/88	425	chum				air
6/25/88	1,750	chum				air
6/28/88	3,850	chum	-0-			air
7/6/88	1,500	chum				air
7/9/88	2,800	chum	175	chum		air
7/13/88	2,600	chum	275	chum		air
7/14/88	2,000(outside)					
	8,400(inside)		430	chum		air
7/14/88			320	chum	clear/calm	ground
7/15/88	4,400	chum				air
7/20/88	8,700	chum	1,700	chum		air
7/20/88			942	chum	light rain	ground
7/25/88	400(outside)					
	1,600(inside)		3,000	chum		air

Appendix A25.–Page 5 of 5.

Location	YEAR 2004	2005	2006	2007	2008	1960–2007 Average	Sustainable Escapement Goal[e]
Humpy Creek	28.9	93.8	48.4	54.0	90.9	47.4	21.65–85.55
China Poot Creek	3.3	9.2	7.2	6.2	5.1	6.3	2.9–8.2
Tutka Lagoon Creek	17.8	133.6	25.8	5.7	14.1	18.1	11.6–18.9
Barabara Creek	5.4	14.4	3.6	25.2	16.6	5.4	1.9–9.0
Seldovia River	56.8	98.6	70.0	69.4	53.5	36.1	19.05–38.95
Port Graham River	44.0	69.1	31.2	25.6	24.7	17.8	7.0–19.85
Dogfish Lagoon	3.2	22.3	8.0	4.1	8.0	4.7	---
Port Chatham Creeks	26.4	44.4	24.2	14.5	16.4	14.3	7.8–21.0
Windy Right Creek	12.0	22.2	17.1	18.3	12.5	8.5	3.35–10.95
Windy Left Creek	23.3	72.0	65.2	37.3	64.1	20.8	3.65–29.95
Rocky River	53.8	198.7	67.8	190.0	90.9	50.9	9.35–54.25
Port Dick Creek[a]	13.3	122.2	51.5	44.2	34.2	45.3	18.55–58.3
Island Creek	33.6	26.4	107.7	87.2	49.7	24.1	7.2–28.3
South Nuka Island Creek	6.4	11.2	5.1	6.6	12.3	10.8	2.7–14.25
Desire Lake Creek	24.3	46.0	74.8	11.8	9.5	19.4	1.9–20.2
James Lagoon	---	---	---	---	---	4.2	---
Aialik Lagoon	---	0.8	---	---	---	3.6	---
Bear Creek	1.2[b]	34.5[b]	9.0[b]	---	---	9.1	2.95–8.45
Salmon Creek	[b]	[b]	[b]	---	---	7.3	1.9–13.25
Thumb Cove	4.3	8.7	5.2	---	---	5.6	2.35–8.85
Humpy Cove	1.0	14.6	1.9	---	---	2.4	0.9–3.2
Tonsina Creek	3.5	9.9	6.5	---	---	4.9	0.5–5.85
Big Kamishak River	---	---	---	---	---	21.3	---
Little Kamishak River	3.0	---	77.0	5.1	34.3	12.8	---
Amakdedori Creek	---	---	---	---	---	7.7	---
Bruin Bay River	66.5	98.3	515.1	350.4	150.7	155.5	18.65–155.75
Sunday Creek	31.5	116.2	70.0	394.8	20.4	42.3	4.85–28.85
Brown's Peak Creek	18.1	61.0	35.7	249.4	17.4	30.2	2.45–18.8
Totals	481.6	1,328.1	1,328.1	1,599.8	725.3	564.1	153.15–660.65

Note: Escapement estimates are derived from periodic ground surveys with stream life factors applied, or from periodic aerial surveys. Aerial survey estimates after 1990 incorporate stream life factors; prior to 1990, aerial estimates are peak aerial survey counts adjusted for survey conditions and time of surveys.

[a] Escapement figures for Port Dick Creek include escapements for High Tech and Well Flagged Creeks beginning in 1998.

[b] Escapement figure for Bear Creek represents the combined escapement for Bear and Salmon Creeks.

[c] Insufficient data for escapement estimates.

[d] Port Dick Creek counts derived from aerial data in 2000. Other methods also used to generate escapement estimates that season included ground surveys (91,795) and weir counts (142,450).

[e] New sustainable escapement goals (SEG's) implemented for the first time beginning with the 2002 season.

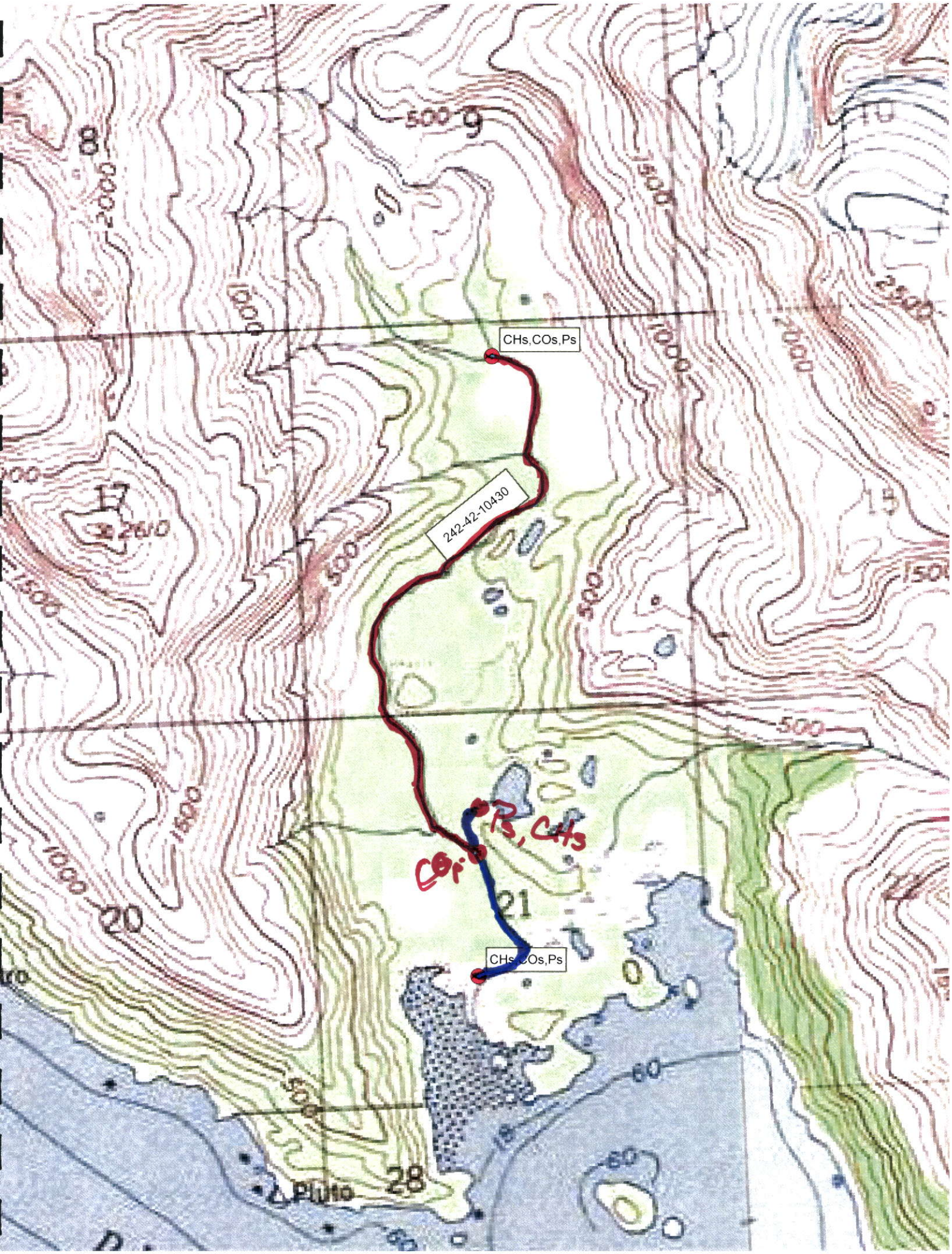
Appendix A26.–Estimated chum salmon escapements in thousands of fish for the major spawning systems of Lower Cook Inlet, 1988–2008.

Year	Port Graham	Dogfish Lagoon	Rocky River	Pt. Dick Head	Island Creek	Big Kamishak	Little Kamishak	McNeil River	Bruin Bay	Ursus Cove	Cotton-wood	Iniskin Bay	Total
1988	3.0	8.6	0.3	9.0	7.8	15.0	13.0	49.0	7.0	9.4	16.0	9.5	147.6
1989	1.3	1.8	1.2	3.3	4.8	30.0	12.0	34.0	8.0	6.3	8.0	5.9	116.6
1990	2.6	1.0	0.8	1.1	2.3	2.5	7.9	8.0	4.0	3.8	4.3	8.4	46.7
1991	1.1	3.1	---	7.4	17.3	8.7	8.4	10.0	6.0	1.3	7.7	8.3	79.3
1992	1.4	0.8	1.7	5.4	6.7	4.5	7.1	19.2	8.5	1.7	6.1	3.4	66.5
1993	2.5	5.4	0.1	2.5	3.6	9.1	6.3	17.4	6.0	7.7	12.0	8.0	78.8
1994	5.2	11.3	1.9	3.5	8.8	---	9.0	15.0	6.1	6.2	10.2	18.9	96.1
1995	3.8	4.2	5.1	3.3	7.7	[a]	[a]	14.4	6.6	11.1	15.4	22.7	90.9
1996	3.7	6.7	2.0	2.3	6.9	11.1	4.4	16.1	14.9	7.6	16.1	7.8	99.6
1997	4.1	12.7	1.1	1.9	5.2	---	---	27.5	8.8	6.2	5.6	15.4	88.5
1998	5.1	9.8	0.7	1.8	3.4	7.1	9.7	23.5	9.4	4.6	2.3	18.6	96.0
1999	6.6	18.8	5.4	2.9	16.4	11.6	8.9	13.5	10.3	21.0	12.0	23.3	150.7
2000	11.4	19.6	4.2	3.4	12.1	45.3	26.9	18.6	13.6	41.7	24.1	23.6	244.5
2001	6.0	6.1	3.0	1.8	6.3	36.3	27.2	17.0	21.8	37.7	15.9	13.8	192.9
2002	5.3	10.1	5.7	12.3	15.3	17.4	16.4	11.3	9.9	17.1	42.2	28.5	191.6
2003	2.9	13.3	5.5	5.6	16.3	16.4	22.2	23.3	13.1	30.4	72.8	18.7	240.5
2004	1.2	3.6	17.2	8.6	15.1	57.9	45.3	11.2	15.9	16.0	16.3	22.0	230.3
2005	0.7	2.7	6.1	4.8	20.7	25.7	12.1	17.4	21.2	12.2	17.9	16.5	158.0
2006	2.2	5.4	11.2	2.8	5.6	58.2	42.9	28.2	7.0	15.7	13.2	15.6	208.1
2007	1.9	4.9	1.6	2.8	3.1	14.8	15.6	13.6	3.1	20.9	12.5	5.3	100.0
2008	1.8	6.2	3.8	11.8	12.9	4.5	21.3	9.8	17.5	6.5	11.6	20.0	130.0
20-Year Avg.	3.6	7.3	3.9	4.3	9.3	21.9	16.4	19.4	10.1	13.9	16.5	14.7	141.3
1988–1997 Avg.	2.6	4.5	1.5	4.0	7.1	11.6	8.5	21.1	7.6	6.1	10.1	10.8	95.5
1998–2007 Avg.	4.6	10.2	6.0	4.7	11.4	29.1	22.7	17.8	12.5	21.7	22.9	18.6	182.2
Sustainable Esc. Goal[b]	1.45–4.8	3.35–9.15	1.2–5.4	1.9–4.45	6.4–15.6	9.35–24.0	6.55–23.8	24.0–48.0	6.0–10.25	6.05–9.85	5.75–12.0	7.85–13.7	69.6–158.75

Note: Escapement estimates are derived from periodic ground surveys with stream life factors applied, or from periodic aerial surveys. Aerial survey estimates after 1990 incorporate stream life factors; prior to 1990, aerial estimates are peak aerial survey counts adjusted for survey conditions and time of surveys.

[a] Insufficient data to generate escapement estimates.

[b] New sustainable escapement goals (SEG's) implemented for the first time beginning with the 2002 season, except for McNeil River, which was revised in 2007 and implemented beginning with the 2008 season.


CHs,COs,Ps
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