

AGE AND LENGTH COMPOSITION
OF SOCKEYE, CHINOOK, COHO AND CHUM SALMON FROM 1979-2001
AND
SOCKEYE SALMON FEMALE CONTRIBUTION FROM 1987-2001
IN SELECTED COMMERCIAL FISHERIES AND RIVER ESCAPEMENTS,
UPPER COOK INLET, ALASKA

By

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and

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Regional Information Report¹ No. 2A02-11

Alaska Department of Fish and Game
Commercial Fisheries Division
333 Raspberry Road
Anchorage, Alaska 99518

February 2002

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ABSTRACT

This report supersedes Regional Information Report 2A99-32 "Age and Length Composition of Sockeye, Chinook, Coho, and Chum Salmon from 1979-1999 and Sockeye Salmon Female Contribution from 1987-1996 in Selected Commercial Fisheries and River Escapements, in Upper Cook Inlet, Alaska" (Tobias and Tarbox 1999c). The purpose of this report is to summarize all available age, length and sex composition data that can be utilized from data collected since 1979. All the tables have been updated through 2001.

KEY WORDS: Salmon, *Oncorhynchus*, age, size, sex composition, Upper Cook Inlet, Alaska

INTRODUCTION

The first collection of scale samples from salmon harvested in the Upper Cook Inlet (UCI) commercial fishery occurred in 1961. Subsequent sampling occurred but results were not formally reported until 1965 (Davis 1966). Since then, scales along with sex and size data, have been collected from salmon harvested in the commercial fisheries and escapements of UCI. Unfortunately in these early years (1961-78) the collection of salmon scales was sporadic. From 1979 to present, emphasis has been placed on conducting a scientifically defensible program.

Davis and Tarbox (1985) produced a compendium of information for the period 1964-1981 to summarize the yearly results. The series continued with the advent of stock separation studies in 1978 and has been in existence ever since (Bethe et al. 1980; Cross 1985; Cross et al. 1981, 1982, 1983, 1985, 1987; Waltemeyer 1989, 1990, 1991, 1993, 1994a, 1994b, 1995a, 1995b; Tobias and Waltemyer 1996; Waltemyer and Tobias 1997, 1998; Tobias and Tarbox 1999a, 2000; Tobias and Willette 2001, 2002).

This report supersedes Waltemyer (1997) and (Tobias and Tarbox 1999c), which initially summarized the historic age, length and sex composition of four species of salmon for the years 1979 to 1996. The age composition for 1989 sockeye was changed to reflect a new and more accurate reading of the scales (Tobias and Tarbox 1999b). All tables through 2001 were updated.

The UCI fishery harvest is made up of mixed stocks of sockeye salmon. Major systems are Kenai, Kasilof, and Crescent Rivers located in the Central District and the Susitna River in the Northern District. Other significant sockeye salmon producing systems include: Packers Creek in the Central District and Fish Creek in the Northern District (Figures 1 and 2).

The UCI commercial fishery management area is presently divided into two major fishing districts, the Central and the Northern, which include all waters north of the latitude of Anchor Point. The Central District is subdivided into five subdistricts. The Northern District consists of two subdistricts, the East Side (Eastern Subdistrict) and the West Side (General Subdistrict). Drift gillnet fishing is limited to the Central District. Locations of the commercial fishing districts, subdistricts, and Upper Subdistrict Beaches are shown in Figure 3.

METHODS

Ages of salmon were determined by visual examination of scale impressions under moderate magnification (40X) using a microfiche viewer. Age was determined based upon criteria established by Mosher (1969) and Tobias et al. (1994). Ages were recorded in European notation (Koo 1955, 1962).

Sex and length information was recorded for most specimens sampled. Sex of the fish was determined by morphological characteristics. Length in millimeters was measured from mid-eye to fork-of-tail. Sample size is also recorded. A minimum sample size of 403 readable scales was defined for each species and strata to estimate simultaneously the proportion of each major age

class in the harvest within five percent of the true proportion 90% of the time (Thompson 1987). Sample sizes or number readable are recorded on each table so determination can be made as to how statistically sound the sample is.

RESULTS

Tables 1-16 and Figures 4-11 present age and length composition of sockeye salmon from eight commercial gillnet fisheries. Sockeye age and length composition at monitored escapement sites is presented in Tables 17-36 and Figures 12-21.

Tables 37-40 and Figure 22 present age and length composition of chinook salmon *O. tshawytscha* for three Upper Subdistrict eastside commercial set gillnet fisheries from 1983 to 1986 and combined Upper Subdistrict starting in 1979. Tables 41-42 show Western and Eastern Subdistrict chinook age and length data sampled during various years. Table 43 and Figure 23 show chinook age and length composition in the General Subdistrict from 1983-1991. Small sample sizes in the Eastern, General and Western Subdistrict tables should be noted.

Summary tables 44-47 and Figures 24-27 present age and length composition for coho salmon *O. kisutch* in four commercial gillnet fisheries starting in 1983.

Table 48 and Figure 28 show the age and length composition for chum salmon *O. Keta* in the commercial drift gillnet fishery starting in 1983. Table 49 and Figure 29 present the chum age and length composition in the Little Susitna River escapement from 1999 to present.

Percent female composition in seven commercial gillnet fisheries and six escapements can be found in table 50.

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Table 1. Age composition of sockeye salmon harvested in the Central District commercial drift gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

Year	Sample Size	Percent Composition by Age Class (%)															Total		
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other	
1979	1,713			0.10	1.60	32.50			49.20	12.10			4.50					100	
1980	1,545					21.90			52.10	9.90			16.10					100	
1981	5,845					12.90			76.50	6.30			4.30					100	
1982	7,364			0.03		6.55			83.72	2.16		0.17	7.36					100	
1983	8,541				1.60	14.80			73.60	2.20		0.40	7.30					100	
1984	5,872		0.10		2.00	16.30			55.00	7.60		1.20	17.70			0.10		100	
1985	7,709		0.10		1.50	13.20			68.40	6.00		0.50	10.10	0.10		0.10		100	
1986	7,918		0.10		1.10	17.80			58.80	8.30		0.20	13.70					100	
1987	7,675		0.01		0.57	8.16			80.76	3.48		0.07	6.95					100	
1988	6,883		0.07	0.03	0.36	10.37	0.09		68.78	6.60		0.20	13.44	0.01		0.04		100	
1989	*																		
1990	7,330		0.21		1.61	8.94		0.05	54.84	6.95		0.44	26.58	0.12		0.22	0.05	0.06	100
1991	2,511				2.49	13.93	0.01	0.13	56.55	6.21		0.34	20.28					0.06	100
1992	6,779				0.32	2.75			83.87	3.43		0.11	9.50			0.03			100
1993	10,466		0.03		1.23	7.34	0.01		37.99	8.35		1.63	43.22	0.01		0.17	0.01		100
1994	6,611		0.03		0.68	5.32	0.01		65.04	7.32		0.17	21.06	0.01		0.36			100
1995	4,887		0.03		0.83	19.45	0.03		37.43	9.22		0.59	32.26	0.08		0.05	0.04		100
1996	4,859		0.10		0.37	10.81	0.04		68.73	7.58		0.24	11.86	0.02		0.25			100
1997	4,456		0.01		1.61	6.34			71.63	3.26		0.32	16.69			0.05	0.09		100
1998	3,796		0.11		1.07	18.54			52.10	9.75		0.49	17.49	0.05		0.18	0.21		100
1999	5,300		0.10		1.45	13.35			59.74	9.41		0.51	15.09	0.15		0.10	0.09		100
2000	3,699		0.09		1.19	10.68			62.16	5.19		0.55	19.75	0.10		0.15	0.14		100
2001	3,744		0.17		1.04	9.05			70.99	4.89		0.29	13.54	0.01		0.00	0.02		100
Mean			0.08		0.05	1.19		0.03	63.09	6.65		0.44	15.85	0.06		0.13	0.08	0.06	

* Drift Fishery closed due to presence of oil in Cook Inlet from the M/V EXXON VALDEZ oil spill that occurred in Prince William Sound.

Table 2. Length composition of sockeye salmon harvested in the Central District commercial drift gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

Year	Mean Length by Age Class (mm)														Total		
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4		3.3	Other
1979																	
1980																	
1981																	
1982					502			577	506		581	572					570
1983		550	464	565	509			571	518		602	570					561
1984				560	504			559	514		598	563		555			548
1985			456	555	501		603	555	518		569	561	524				545
1986		565		567	498			559	509		563	570		623			546
1987					487			529	459		341	540					524
1988		491	373	572	511	417		581	520		594	576		603			569
1989																	
1990		510		570	504	541	648	572	510		605	578	533	574	573		563
1991				573	508	320	586	554	507		582	564	512			592	547
1992		423		555	493			566	503		616	558		560			561
1993		439	495	557	492	400		556	503	370	581	562	541	596	604		550
1994		449		559	477	353		558	496		589	555	511	595			549
1995		451		576	506	431		567	511		605	576	535	585	508		553
1996		466		595	510	525		591	511		618	584	523	623			575
1997		484		579	499			589	501		629	584		638	545		580
1998		460		569	506	370		565	511		591	567	489	584	565		550
1999		465		577	510			583	521		610	577	549	566	587		567
2000		453		587	512			589	525		633	583	531	617	589		577
2001		476		576	517		517	576	522		616	574	488	570	560		568
Mean		477	447	570	502	420	589	568	509	370	585	569	521	592	566	592	558

* Drift Fishery closed due to presence of oil in Cook Inlet from the M/V EXXON VALDEZ oil spill that occurred in Prince William Sound.

Table 3. Age composition of sockeye salmon harvested in the Coho/Ninilchik Beach commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

Year	Sample Size	Percent Composition by Age Class (%)															Total	
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other
1979	2,987		0.10	0.30	0.10	47.60			34.30	14.50		0.20	2.90					100
1980	2,401			0.10		40.20			36.40	13.80		0.30	9.10			0.10		100
1981	3,060			0.10		25.00	0.10		62.60	8.70		0.10	3.40					100
1982	3,782			0.24		22.15			64.43	6.88		0.01	6.29					100
1983	5,650				0.30	21.00			63.70	5.50		0.50	9.00					100
1984	5,483		0.01	0.04	0.64	34.28	0.03		33.74	17.63		1.11	12.48	0.01	0.03			100
1985	7,756				0.10	34.40	0.20		44.40	14.60		0.30	5.80	0.10	0.10			100
1986	3,586				0.40	41.00			32.20	16.70		0.70	8.70	0.10	0.20			100
1987	3,198		0.07		0.25	12.32	0.02		69.18	8.86		0.14	9.16					100
1988	2,314					21.35	0.09		49.35	14.78		0.48	13.87		0.09			100
1989	2,175				0.11	3.72			22.86	13.50		0.61	58.88			0.32		100
1990	2,634			0.06	0.16	15.41			36.87	19.40		0.30	27.72	0.08	0.01			100
1991	2,665		0.01	0.02	0.15	28.79			30.88	23.91		0.08	16.16					100
1992	2,650		0.06	0.04	0.13	5.79	0.14		62.39	10.81			20.60			0.04		100
1993	2,643				0.49	9.03	0.18		31.55	16.35		2.52	39.20	0.07	0.52	0.11		100
1994	3,855		0.07		0.18	13.71	0.12		46.76	21.01		0.47	17.29	0.01	0.39			100
1995	3,633		0.01		0.46	27.45			24.79	17.25		0.72	29.28	0.05				100
1996	3,132				0.10	14.70			57.80	17.10		0.20	9.60		0.50			100
1997	3,141			0.02	0.42	13.18			61.34	10.31		0.19	14.35	0.17	0.02			100
1998	2,754		0.08		0.16	29.95	0.05		34.31	20.50		0.33	14.38	0.17	0.01	0.06		100
1999	4,163		0.03		0.07	24.19			46.42	19.51		0.24	9.46		0.02	0.07		100
2000	2,700		0.18	0.01	0.39	32.01	0.02		38.18	11.89		0.67	16.19	0.47				100
2001	3,208			0.04	0.15	25.68	0.07		52.57	12.36		0.22	8.83	0.03	0.04	0.03		100
Mean			0.06	0.09	0.25	23.60	0.09		45.09	14.60		0.47	15.77	0.11	0.16	0.10		

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Table 4. Length composition of sockeye salmon harvested in the Coho/Ninilchik Beach commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

Year	Mean Length by Age Class (mm)														Total		
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4		3.3	Other
1979																	
1980																	
1981																	
1982					493			561	487			575					543
1983			360	545	496	402		570	497		602	565					550
1984				577	482	393		552	494		576	548					518
1985		469	359	562	476	386		546	492		556	549	527	573			514
1986				572	485			542	490		498	550		562			510
1987					476	340		580	500		574	565					559
1988					493	370		580	497		629	579		649			549
1989				616	482			561	494		607	581				605	561
1990			395	556	469			557	468		617	562	470	554			528
1991		442	466	558	477			529	480		564	538					504
1992		473	360	547	475	399		556	483			555				536	543
1993				550	483	395		553	490		580	555	560	583	594		538
1994		420		538	463	355		557	478		598	551	520	590			527
1995		441		579	489			569	498		624	574	534				537
1996		441		560	486	390		576	491		628	569		622			548
1997			321	557	475			570	479		592	559	545	655			547
1998		430		549	483	388		548	489		608	549	536	641	544		516
1999		470		546	488			564	496		582	554		592	576		531
2000		451	399	576	488	418		569	495		618	566	521				534
2001			334	585	483	396		554	492		599	551	587	593	588		528
Mean		449	374	563	482	386		560	490		592	560	533	601	574		534

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Table 5. Age composition of sockeye salmon harvested in the Kalifonsky Beach commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

Year	Sample Size	Percent Composition by Age Class (%)															Total		
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other	
1979	2,261		0.01	0.50	0.01	44.09			43.39	9.40	0.90	0.20	1.50						100
1980	1,522					26.50	0.10		49.50	11.00		0.20	12.60		0.10				100
1981	2,064					22.30			69.00	5.70		0.30	2.70				0.10		100
1982	2,772			0.04		16.93	0.03		70.96	6.45		0.06	5.53						100
1983	4,404		0.01		0.37	14.78			72.90	4.42		0.54	6.98						100
1984	3,319		0.06		0.61	29.38	0.05		38.20	16.21		0.99	14.28	0.16	0.04				100
1985	7,031			0.10	0.20	39.30	0.10		41.80	12.80		0.40	5.30						100
1986	2,362				0.30	39.90			33.50	14.90		0.30	11.00		0.10				100
1987	2,214				0.17	16.05			65.72	10.46			7.60						100
1988	2,274					13.88			62.42	9.43		0.46	13.66		0.15				100
1989	2,202				0.01	5.25			24.59	21.95		0.54	47.66		0.00				100
1990	1,960				0.10	8.79			53.71	8.03		0.63	28.04	0.18	0.43	0.09			100
1991	2,011				1.62	26.94			40.30	14.24		0.13	16.77						100
1992	2,661				0.12	5.00	0.09		74.79	11.71			8.24		0.05				100
1993	2,168		0.05		0.41	12.13	0.07		29.04	16.77		1.12	40.11		0.25	0.06			100
1994	2,227				0.34	10.12	0.18	0.07	56.74	15.48		0.56	16.15		0.26	0.09			100
1995	2,225				0.29	25.23			26.14	16.03		0.53	31.34	0.11	0.33				100
1996	2,426			0.03	0.01	15.34	0.03		55.37	19.69		0.05	9.13	0.05	0.29	0.01			100
1997	2,314		0.22			12.22	0.04		63.75	6.92		0.56	16.25	0.04					100
1998	933					32.62	0.07		35.30	18.41		0.64	12.76	0.07	0.14				100
1999	3,229				0.11	18.92			52.86	17.26		0.35	10.22	0.04	0.25				100
2000	1,402				0.42	21.45			49.89	8.72		0.43	18.93	0.08	0.08				100
2001	1,828				0.41	12.25	0.03		67.24	7.32		0.71	11.72	0.04	0.21	0.07			100
Mean			0.07	0.17	0.32	20.41	0.07	0.07	51.18	12.32	0.90	0.46	15.15	0.09	0.18	0.06	0.10		

Table 6. Length composition of sockeye salmon harvested in the Kalifonsky Beach commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

Year	Mean Length by Age Class (mm)														Total		
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4		3.3	Other
1979																	
1980																	
1981																	
1982					482			561	479			566					542
1983				558	490			565	492			562					548
1984				573	477			549	487		594	549		537			517
1985		453	368	561	478	378		547	492		571	547	480	596			513
1986		414		547	481			546	485		571	554		553			512
1987				483	472			589	487			569					558
1988					490			587	502		617	588		660			566
1989		481		547	483	578		557	493		580	582		574			551
1990				456	487			566	499		606	573	503	578	605		556
1991				545	479			537	478		625	542					514
1992				559	473	392		563	479			548		578			547
1993		425		538	470	365		552	483		584	558		599	580		536
1994				560	462	394	565	560	479		581	553		611	530		536
1995				568	496			571	499		629	582	527	588			544
1996			349	594	489	380		580	490		627	570	533	586	575		547
1997				560	466	393		576	471		624	566	511				554
1998					486	395		560	494		605	562	471	592			524
1999				554	485			576	499		580	563	516	591			544
2000				603	488			568	501		615	560	547	611			544
2001				576	493	405		573	505		609	566	508	579	572		558
Mean		443	359	552	481	409	565	564	490		601	563	511	589	572		541

Table 7. Age composition of sockeye salmon harvested in the Salamatof Beach commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

Year	Sample Size	Percent Composition by Age Class (%)															Total	
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other
1979	2,922		0.20	0.80	0.50	38.00	0.10		48.30	8.10			4.00					100
1980	1,203			0.20		29.70	0.10		47.80	11.30			10.90					100
1981	1,849			0.30		16.30	0.10		73.00	6.30		0.10	3.90					100
1982	2,621			0.09		3.72			85.93	1.26		0.01	8.98					100
1983	2,905		0.25	0.15	0.78	24.19	0.06		66.18	2.59		0.55	5.25					100
1984	1,732		0.10		1.70	17.78	0.10		43.85	14.29		3.50	17.08	1.20	0.29		0.11	100
1985	2,521		0.10	0.50	0.30	24.70	0.30		49.00	17.00		0.60	7.30	0.10	0.10			100
1986	1,228		0.10		1.50	15.00			53.70	8.00		0.40	21.30					100
1987	1,089		0.18		0.80	4.53			82.42	3.24			8.83					100
1988	1,022					8.71			71.14	6.56		0.68	12.91					100
1989	1,730				0.12	4.43			24.58	9.87		0.66	60.14		0.10	0.11		100
1990	2,077			0.04	0.31	9.57	0.08		47.89	9.01		0.86	31.33	0.33	0.54		0.04	100
1991	1,497		0.14		0.92	24.01	0.07		52.50	5.34		0.25	16.66		0.11			100
1992	2,103		0.18	0.16	0.47	6.91	0.16		82.54	6.22		0.18	3.10		0.09			100
1993	2,099				0.40	4.33	0.19		38.63	3.14		2.10	50.93		0.27			100
1994	1,619				0.41	6.20	0.05		63.74	15.28	0.13	0.70	13.18	0.14	0.18			100
1995	1,784			0.01	0.43	21.91			32.86	5.88		0.98	37.81				0.11	100
1996	1,764				0.43	9.79	0.08		74.60	6.19		0.35	8.47		0.09			100
1997	1,376				0.30	3.97			78.49	3.34		0.13	13.68		0.09			100
1998	1,038		0.02		0.11	15.33	0.02		58.12	6.93		0.70	18.26	0.23	0.18	0.11		100
1999	2,284		0.01		0.18	13.94	0.11		56.19	18.13		0.52	10.47	0.14	0.22	0.08		100
2000	1,390				0.40	13.08			61.46	7.21		1.06	16.17	0.49		0.13		100
2001	1,352		0.03	0.03	0.2	10.88	0.16		72.85	2.75		0.84	12.27					100
Mean			0.12	0.23	0.54	14.22	0.11		59.38	7.74	0.13	0.76	17.08	0.38	0.19	0.11	0.08	

Table 8. Length composition of sockeye salmon harvested in the Salamatof Beach commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

Year	Mean Length by Age Class (mm)													Other	Total		
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2			2.4	3.3
1979																	
1980																	
1981																	
1982			343		516			575	483				576				571
1983				565	489			577	508			582	573				553
1984				554	489			561	502			594	559		558		540
1985				549	490	402		559	515			580	560	530	570		534
1986		562		589	504			569	517			607	571				556
1987					508			590	522				570				575
1988					501			578	519			591	578				568
1989				585	485			579	508			626	593		609	581	577
1990			374	582	479	357		572	508			621	579	495	580		559
1991		503		539	506	342		555	500			596	562		615		541
1992		438	347	561	472	353		566	481			582	553		602		553
1993			495	530	481	384		559	498	370		581	564		577	560	556
1994				560	469	438		560	497	416		601	558	430	619		544
1995			357	570	506			578	524			626	588			559	563
1996				595	498	359		583	519			619	581		587		571
1997				573	486			581	488			642	575		628		573
1998		405		568	516	410		572	526			582	579	498	541	593	561
1999		496		531	494	397		578	517			592	575	528	595	606	555
2000				588	509			585	520			625	584	548		562	571
2001		400	330	570	516	369		586	537			606	584				576
Mean		467	374	565	496	381		573	509	393	603	573	505	590	577	609	560

Table 9. Age composition of sockeye salmon harvested in the Central District, Western Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

Year	Sample Size	Percent Composition by Age Class (%)																Total
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	Other	
1979	2,423					31.10			62.30	5.10			1.50					100
1980	1,150					10.70			78.60	6.70			4.00					100
1981	1,169					15.10			49.40	8.40	0.10	0.30	26.70					100
1982	1,557			0.08		10.34	0.11		77.18	2.64		0.03	9.62					100
1983	1,677				0.20	16.60			50.50	15.10		0.30	17.30					100
1984	2,750				0.10	5.20	0.10		25.80	18.10		0.20	50.20	0.10	0.20			100
1985	3,313		0.10		0.20	4.90	0.10		45.40	8.90		0.40	40.00					100
1986	964				0.50	7.60	0.40		22.80	19.10			48.80	0.80				100
1987	1,036				0.29	7.14	0.10		51.06	7.72		0.29	33.20	0.10	0.10			100
1988	823				0.24	15.31	0.12		53.71	13.49			17.13					100
1989	658					2.89			45.29	5.17		0.76	45.74				0.15	100
1990	676					3.55			40.09	7.99		0.44	47.49	0.29			0.15	100
1991	256					5.86			47.66	14.45		0.78	31.25					100
1992	1,351			0.10	0.05	13.58	0.10		44.59	9.84			31.73					100
1993	1,041					18.83			35.93	29.30			15.89	0.05				100
1994	a																	
1995	a																	
1996	b																	
1997	b																	
1998	746				0.35	13.29	0.12		15.16	57.06			13.08	0.78			0.16	100
1999	253					20.55			37.94	12.25			29.25					100
2000	863		0.14		4.09	6.09			65.53	4.40		0.33	19.20	0.14			0.09	100
2001	409					33.99			10.76	5.62			48.41				1.22	100
Mean			0.12	0.09	0.67	12.77	0.14		45.25	13.23		0.38	27.92	0.32	0.15	0.35		

^a No samples were taken due to subdistrict closures.

^b No samples were taken due to mixtures of samples from other statistical areas.

Table 10. Length composition of sockeye salmon harvested in the Central District, Western Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

Year	Mean Length by Age Class (mm)														Total		
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4		3.3	Other
1979																	
1980																	
1981																	
1982					482			556	504			548					545
1983		523		528	498			553	498		623	553					536
1984				547	496			555	499			556	584				542
1985				544	491			549	500		544	553					543
1986				552	488	376		555	497		525	550	589				536
1987					508			581	529		614	572					565
1988				553	494	358		566	502			563					545
1989					480			565	510		619	566			556		560
1990					483			556	498		551	560		564	556		551
1991					495			561	527		573	559					552
1992			324	554	481	375		546	496			546					532
1993					495			548	500			554	495				525
1994		a															
1995		a															
1996		b															
1997		b															
1998				558	512	417		564	519			566	525		596		531
1999					511			564	507			571					548
2000		461		589	507			586	495			581	515		591		576
2001					499			564	509			564			548		538
Mean		492	324	553	495	382		561	506		578	560	542	564	569		545

^a No samples were taken due to subdistrict closures.

^b No samples were taken due to mixtures of samples from other statistical areas.

Table 11. Age composition of sockeye salmon from the Northern District, Eastern Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska 1979 to present.

Year	Sample Size	Percent Composition by Age Class (%)															Total	
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other
1979	1,228					78.70			11.90	8.00			1.40					100
1980	1,297			0.10		45.90			26.50	23.30			4.20					100
1981	1,848					28.70			57.90	9.70			3.70					100
1982	922			0.93		17.72	0.08		70.02	5.01			6.24					100
1983	1,151		0.44	0.73	0.78	78.31	0.22	0.11	12.24	5.18		0.28	1.71					100
1984	2,282		0.02	0.03	1.12	33.23			40.43	13.70		0.27	10.75	0.42	0.03			100
1985	1,947		0.30	1.30	1.10	35.60	0.30		39.80	13.30		0.40	7.80	0.20				100
1986	585			0.90	1.00	40.30	0.50		32.00	15.00			9.40	0.90				100
1987	849		0.21	0.21	1.43	41.05	0.27		34.61	12.93			9.23	0.06				100
1988	520			0.19	0.38	49.42	0.77		22.50	20.77			5.96					100
1989	1,025		0.66	5.08	1.36	35.24	1.48		31.12	10.81			14.04	0.22				100
1990	1,304		0.21	0.56	0.75	23.31	0.20		44.47	14.28		0.09	14.92	0.66			0.56	100
1991	878		0.12	0.57	0.67	34.04	0.58		28.82	20.93		0.11	13.82	0.23			0.11	100
1992	*																	
1993	1,014		0.31	0.63	0.50	44.45	0.67		19.56	18.29		0.37	15.22					100
1994	923		0.10	0.35	2.85	36.08	0.80		31.69	15.74		0.45	11.82	0.12				100
1995	854			0.47	0.71	36.06	1.27		29.01	18.91		0.32	13.11	0.15				100
1996	865		0.06	0.29	0.47	26.10	1.01		30.41	32.61		0.06	8.87	0.06	0.06			100
1997	448				1.56	25.00	0.44		41.74	12.50			18.08	0.44			0.22	100
1998	661		0.59	0.82	1.18	52.61	0.59		22.99	15.95			4.45	0.82				100
1999	463		0.65		3.02	35.64			26.57	27.43		0.21	5.83	0.65				100
2000	885		0.18	0.21	1.37	22.61	0.22		33.63	18.25		0.08	21.23	2.08	0.04		0.09	100
2001	878		0.21	0.04	5.41	22.59	0.9		45.98	8.02		0.5	15.97	0.06			0.32	100
Mean			0.29	0.75	1.43	38.30	0.61	0.11	33.36	15.48		0.26	9.90	0.47	0.04	0.26		

* No samples obtained from fishery.

Table 12. Length composition of sockeye salmon from the Northern District, Eastern Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska 1979 to present.

Year	Mean Length by Age Class (mm)															Total	
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other
1979																	
1980																	
1981																	
1982					485			566	513			559					548
1983			362	563	487			555	488			575					497
1984				564	488			551	491			565					523
1985		461	366	564	492	383		549	497		570	545	498				519
1986				558	489			560	519			562	492				524
1987			360	599	500	414		563	495			553					529
1988			335	568	498	395		564	504			565					519
1989		460	363	574	489	384		566	507			579	488				521
1990		426	392	539	479	407		549	485		620	545	503		543		521
1991		400	332	567	480	343		537	486		570	537	470		532		505
1992																	
1993		438	340	541	465	353		519	478		563	538					488
1994		439	352	556	486	360		545	486		600	545	441				513
1995			333	553	482	367		547	490		627	563	527				512
1996		447	321	574	478	382		563	487		647	554	476	652			513
1997				550	475	395		563	484			561	493		537		529
1998		480	363	588	513	370		548	497			541	490				518
1999		474		557	504			564	504		585	560	526				525
2000		402	335	576	483	314		567	500		618	561	505	588	534		532
2001		448	357	569	497	360		561	501		608	563	509		523		540
Mean		443	351	564	488	373		555	495		601	556	494	620	534		520

* No samples obtained from fishery.

Table 13. Age composition of sockeye salmon harvested in the Northern District, General Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

Year	Sample Size	Percent Composition by Age Class (%)															Total		
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other	
1979	893		0.50	0.20	0.50	44.40	0.20		31.40	18.60			4.20					100	
1980	1,134			0.20		37.00			46.40	8.90			7.50					100	
1981	1,839					13.90			74.00	5.90			6.20					100	
1982	685			0.86		15.00	0.12		74.63	2.90	0.15	0.35	5.99					100	
1983	794		0.54		7.86	46.74	0.01		28.38	7.07			9.22			0.18		100	
1984	1,275		0.10		5.47	21.69			50.97	6.40		0.64	14.30			0.40		100	
1985	2,485		0.40	0.10	3.30	20.70	0.10	0.10	57.40	6.20		1.00	10.40			0.30		100	
1986	1,111		0.10		2.10	12.20	0.10	0.10	65.00	5.00		0.60	14.60	0.10	0.10			100	
1987	256			0.39	2.34	20.31	0.39		40.24	13.67			22.66					100	
1988	473				1.06	29.60			45.87	6.77		0.63	16.07					100	
1989	1,281		0.80		5.25	10.63			53.43	4.16		0.10	25.49			0.14		100	
1990	954		0.15		1.14	15.19			64.77	6.82		0.33	11.40			0.21		100	
1991	1,345		0.12		5.76	7.48			69.03	4.62		0.31	12.41	0.12			0.08	0.08	100
1992	1,540		0.47		4.68	8.82	0.29		68.35	3.42		0.47	13.45			0.04			100
1993	1,385		0.18	0.04	5.11	20.27	0.14		44.80	8.80		0.17	20.31	0.10	0.04	0.04			100
1994	1,412		0.34		4.70	18.17			51.65	9.53		0.04	15.57						100
1995	983		0.41		4.18	7.74			68.21	4.87		0.10	14.49						100
1996	1,147		0.16		3.10	11.12			54.11	5.01		0.87	25.63						100
1997	808		0.49		8.89	21.33			56.85	5.04			7.40						100
1998	909		0.22		4.45	12.92		0.07	59.11	4.82		0.22	18.11			0.07			100
1999	1,326		0.29		2.18	20.8			41.01	5		0.55	29.94				0.23		100
2000	863		0.14		4.09	6.09			65.53	4.4		0.33	19.2	0.14			0.09		100
2001	439		0.23		3.65	8.2			59.23	4.1		0.68	23.23	0.23	0.23	0.23			100
Mean			0.31	0.30	3.99	18.71	0.17	0.09	55.23	6.61	0.15	0.43	15.12	0.14	0.17	0.13	0.08		

Table 14. Length composition of sockeye salmon harvested in the Northern District, General Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

Year	Mean Length by Age Class (mm)															Total	
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other
1979																	
1980																	
1981																	
1982			337		485			572	474			576					554
1983				570	500			569	499			565					531
1984					501	339		566	469			566					544
1985			456	555	501		603	555	518		569	561	524				542
1986		484		557	485			565	500		570	564	533				552
1987			330	582	516			593	533			585					567
1988				563	506			573	516		624	572					550
1989		481		571	500			572	502		610	570		591			560
1990		408		556	492			553	489		574	555		615			540
1991		468		556	491		600	557	500		620	556	450		531		549
1992		462		557	492	357		556	492		608	553		590			547
1993		450	320	545	487	330		547	500		570	546	540	550	520		530
1994		464		550	485			552	488		606	552					533
1995		488		585	509			572	520		618	568					564
1996		447		577	507			578	511		607	576					566
1997		457		569	504			572	501			565					552
1998		451		569	512		597	571	520		635	571		571			561
1999		488		566	481			570	487		573	568			560		546
2000		461		589	507			586	495		601	581	515		591		576
2001		445		566	509			573	511		613	572	507	574	568		564
Mean		461	361	566	499	342	600	568	501		600	566	512	582	554		551

Table 15. Age composition of sockeye salmon harvested in the Kalgin Island Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

Year	Sample Size	Percent Composition by Age Class (%)															Total	
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other
1979	415					40.60			29.70	24.90			4.40				0.40	100
1980	1,280					19.40			44.80	21.00			14.60				0.20	100
1981	1,186					19.50			52.00	14.30			14.20					100
1982	1,386			0.10		13.36	0.03		56.01	14.70		0.05	15.75					100
1983	740		0.30		0.90	19.60			48.90	16.70		0.20	13.30	0.10				100
1984	713		0.10		0.90	16.70	0.10		39.50	23.90		0.40	17.50	0.90				100
1985	1,934			0.10	0.40	7.80	0.20		41.60	16.40		0.70	32.80					100
1986	264				1.30	12.80			61.60	7.60			16.40		0.10			100
1987	"																	
1988	"																	
1989	454			0.22		5.51	1.76		6.39	33.04		0.22	47.58	4.41	0.22	0.66		100
1990	"																	
1991	"																	
1992	"																	
1993	"																	
1994	"																	
1995	"																	
1996	"																	
1997	"																	
1998	427				0.70	7.49			35.59	24.12			30.45	0.47			1.17	100
1999	"																	
2000	441					0.68			18.82	4.99			74.83	0.23	0.23	0.23		100
2001	"																	
Mean			0.20	0.14	0.84	14.86	0.52		39.54	18.33		0.31	25.62	1.22	0.18	0.69	0.30	

* No samples were taken due to the incidence of mixed samples from the Western Subdistrict fishery.

Table 16. Length composition of sockeye salmon harvested in the Kalgin Island Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present..

Year	Mean Length by Age Class (mm)														Total		
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4		3.3	Other
1979																	
1980																	
1981																	
1982					505			564	505			557					546
1983				548	513			555	517			554		624			540
1984				594	492	395		557	474		532	572	531				528
1985				538	503	366		560	507		594	551					544
1986				556	483			543	512			550					534
1987	*																
1988	*																
1989			325		486	353		572	516		634	574	517	650	584		543
1990	*																
1991	*																
1992	*																
1993	*																
1994	*																
1995	*																
1996	*																
1997	*																
1998				558	482			559	493			550	529		552		534
1999	*																
2000					546			568	524			555	495	510	568		556
2001	*																
Mean				559	501	371		560	506		587	558	518	595	568		541

* No samples were taken due to the incidence of mixed samples from the Western Subdistrict fishery.

Table 17. Age composition of sockeye salmon escapement in the Kenai River, Upper Cook Inlet, Alaska, 1979 to present.

Year	Sample Size	Percent Composition by Age Class (%)															Total	
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other
1979	601			0.20		19.60			63.00	10.60			6.60					100
1980	557			6.10		35.40	0.90		36.70	14.40			6.50					100
1981	624					19.70	0.50		66.40	7.90	0.20		5.30					100
1982	1,787			0.10		5.80			87.50	2.90			3.70					100
1983	1,765			0.30	0.30	8.40	0.50		79.00	2.20		0.30	8.90		0.10			100
1984	2,067		0.10		1.10	23.10	0.50		37.80	13.20		3.60	19.50	1.00		0.10		100
1985	2,201		0.50	0.10	0.20	15.90	0.10	0.10	56.40	14.70		0.30	11.40	0.30				100
1986	789		0.10		1.30	31.80	0.30		39.50	8.20		0.70	18.00		0.10			100
1987	745				0.13	12.75		0.13	78.39	3.22		0.13	5.23					100
1988	1,420			0.28	0.07	11.62	0.21		74.15	3.10		0.35	10.21					100
1989	1,587		0.07	0.20	0.06	5.64	0.81		26.68	7.57	0.31	0.91	57.44		0.31			100
1990	1,513			0.59	0.27	21.56	0.31		41.43	13.66		0.60	21.10	0.23	0.25			100
1991	2,502		0.02	0.11	2.15	48.24	0.44	0.09	31.60	5.65		0.15	11.43	0.07	0.04			100
1992	1,338		0.07			2.73	0.25		79.90	5.85		0.22	10.98					100
1993	2,088		0.05	0.29	0.29	12.21	6.27		30.51	6.42	0.05	2.63	41.19	0.05	0.05			100
1994	1,341		0.07	0.30	0.07	6.56	0.82		61.07	17.75	0.07	0.75	12.08	0.15	0.30			100
1995	712			0.28	0.42	31.88	2.39		26.40	6.60		0.42	31.32		0.28			100
1996	684				0.29	10.82	0.73		75.44	6.14	0.15	0.29	5.41	0.15	0.58			100
1997	963			0.10	0.31	7.58	0.42		75.18	2.80		0.42	12.98	0.10	0.10			100
1998	700			0.29		27.14	6.57		40.71	9.57	0.14	1.29	13.86	0.14	0.14	0.14		100
1999	733				0.27	15.14	1.23		55.39	16.78	0.14	0.41	9.55	0.95	0.14			100
2000	560				0.89	14.46	1.61		57.32	9.11		1.07	14.29	0.71	0.54			100
2001	601			0.33		10.82	1.50		68.89	8.32		0.83	9.15			0.17		100
Mean			0.12	0.64	0.51	17.34	1.32	0.11	56.06	8.55	0.15	0.81	15.05	0.35	0.23	0.14		

Table 18. Length composition of sockeye salmon escapement in the Kenai River, Upper Cook Inlet, Alaska, 1979 to present.

Year	Mean Length by Age Class (mm)															Total	
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other
1979																	
1980			359		475	397		565	524			585					515
1981					501	361		575	525	388		588					556
1982					490			583				592					578
1983					522			586				587					581
1984					474			571	507			564					537
1985					491			560	513			562					542
1986					489			571				575					543
1987				590	507		615	591	514		615	593					578
1988			385	595	516	384		583	527		612	584					572
1989		405	352	560	463	401		578	503	407	606	591		610			571
1990			376	548	476	377		574	495		610	580	487	615			541
1991		523	412	560	492	358	604	549	491		580	558	529	600			519
1992		419			468	372		557	485		594	555					550
1993		465	358	532	477	380		566	517	385	588	570	495	605			542
1994		423	346	530	457	385		564	486	388	590	563	398	595			541
1995			370	564	489	400		572	513		597	578		605			539
1996				595	511	411		597	516	409	609	602	521	632			582
1997			357	566	485	387		582	498		607	581	541	550			571
1998			364		488	395		562	504	381	612	566	530	595	550		526
1999				522	490	385		588	513	350	600	583	511	600			556
2000				612	514	409		594	522		631	594	521	639			573
2001			379		515	395		586	533		624	588			576		571
Mean		447	369	565	490	387	610	575	510	387	605	579	504	604	563		554

Table 19. Age composition of sockeye salmon escapement in Hidden Creek, Kenai River drainage, Upper Cook Inlet, Alaska, 1979 to present.

Year	Sample Size	Percent Composition by Age Class (%)															Total		
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other	
1979	476					90.00			4.00	6.00									100
1980	684					92.00			1.00	1.00								6.00	100
1981	632					78.00			15.00	7.00									100
1982	261					70.00			23.00	4.00								3.00	100
1983	196					87.00			11.00	2.00									100
1984	715			0.10		94.70	0.50		1.40	3.20		0.10							100
1985	384					74.90			13.20	9.70			2.20						100
1986	135					85.20			8.90	5.20			0.70						100
1987	240					93.80			5.60	0.60									100
1988	214					94.00			3.70	1.90			0.40						100
1989	629			0.15		31.96			48.97	16.06			2.70	0.15					100
1990	713					86.40	0.14		1.54	11.78			0.14						100
1991	602					89.54			6.98	3.32			0.17						100
1992	628					81.53			13.38	4.62			0.48						100
1993	169					79.88			8.87	10.65			0.60						100
1994	653					60.17			31.25	6.44			2.14						100
1995	403					63.27	0.25		12.41	20.59			3.22	0.25					100
1996	759					83.13			6.72	8.96			1.19						100
1997	706					77.48			17.56	3.12			1.84						100
1998	619					82.55			13.89	3.39			0.16						100
1999	510					89.20			6.27	4.51			0.00						100
2000	730					81.92			8.49	8.36			1.23						100
2001	611			0.16		63.18			20.13	12.44			3.76	0.32					100
Mean				0.14		79.56	0.30		12.32	6.73		0.10	1.31	0.24				4.50	

Table 20. Length composition of sockeye salmon escapement in Hidden Creek, Kenai River drainage, Upper Cook Inlet, Alaska, 1979 to present.

Year	Mean Length by Age Class (mm)														Other	Total	
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4			3.3
1979					540			560	550								541
1980					530			560	530								530
1981					530			560	550								536
1982					520			560	520								529
1983					530			550	530								532
1984					520			570	550								522
1985					521			573	530			584					530
1986					530			570	540								534
1987					526			537	533								527
1988					535			574	565			595					537
1989			390		535			581	535			579	576				558
1990					507	534		565	516			605					509
1991					512			557	521			550					515
1992					505			551	513			559					512
1993					529			568	536			620					534
1994					493			557	507			552					515
1995					514	450		559	525			559	540				523
1996					539			587	540			603					543
1997					514			566	536			585					525
1998					510			556	516			546					516
1999					499			549	502								502
2000					519			560	530			570					524
2001			415		525			564	544			560	556				537
Mean			403		521	492		562	531			576	557				527

Table 21. Age composition of sockeye salmon escapement in the Kasilof River, Upper Cook Inlet, Alaska, 1979 to present.

Year	Sample Size	Percent Composition by Age Class (%)															Total	
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other
1979	590		0.10	0.70		58.90			28.20	10.50			1.60					100
1980	899			2.10		67.00			23.10	5.00		0.10	2.70					100
1981	1,479					28.90			63.60	5.90			1.60					100
1982	1,518			0.80		30.60	0.20		54.40	9.30			4.70					100
1983	1,997					49.51			33.14	12.86			4.49					100
1984	2,269					50.50	0.20		24.80	17.90			6.60					100
1985	3,063			0.20		57.30	0.10		21.80	17.80		0.10	2.60				0.10	100
1986	1,660		0.10			40.90	0.10		42.00	11.90		0.30	4.60			0.10		100
1987	1,248			0.24		43.35	0.08		27.44	22.39			6.42	0.08				100
1988	2,282			0.06		33.69	0.11		36.43	17.51		0.16	11.99			0.05		100
1989	1,301					14.93	0.07		35.30	36.62		0.06	13.02					100
1990	762			0.40	0.06	32.90			20.65	33.17		0.26	12.36	0.20				100
1991	2,106		0.04		0.13	31.54	0.06		33.40	28.95		0.09	5.79					100
1992	1,717					21.09	0.19		27.45	35.31			15.96					100
1993	571			0.35		16.29	0.35		29.77	28.02			25.22					100
1994	723					26.42			28.35	28.22			17.01					100
1995	587			0.17		43.95			15.50	25.04			15.33					100
1996	721					24.83			48.29	21.36			5.55					100
1997	758					21.11			54.75	13.46			10.69					100
1998	857		0.12	0.12		39.67	0.58		28.12	22.17		0.35	8.87					100
1999	964					29.70	0.10		33.82	26.70		0.21	9.44	0.10				100
2000	747					41.63	0.40		34.27	11.51			12.18					100
2001	564			0.35		29.26	0.18		48.58	16.49		0.18	4.79	0.18				100
Mean			0.09	0.50	0.10	36.26	0.19		34.49	19.92		0.18	8.85	0.14	0.08		0.10	

Table 22. Length composition of sockeye salmon escapement in the Kasilof River, Upper Cook Inlet, Alaska, 1979 to present.

Year	Mean Length by Age Class (mm)															Total	
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other
1979					467			520									484
1980					499			562									515
1981					474			545									523
1982					492			552	475			546					526
1983					479			535	483								499
1984					473			529	479			530					489
1985					482			546	490								498
1986					471			552	476								508
1987			347		471	360		552	476			544	471				498
1988			389		478	353		546	482		562	543		506			507
1989					476	357		547	479		570	536					510
1990			340	471	460			521	455		567	522	420				479
1991		408		506	464	322		525	475		530	515					491
1992					467	385		531	464			533					494
1993			415		479	385		547	482			537					514
1994					465			535	470			535					498
1995			355		487			538	488			541					503
1996					475			562	476			554					522
1997					454			548	454			536					514
1998		422	337		472	356		526	471		538	521					491
1999					476	318		542	477		555	534	456				504
2000					478	368		552	484			551					512
2001			318		478	495		547	477		580	550	532				515
Mean		415	357	489	475	370		542	476		557	537	470	506			504

Table 23. Age composition of sockeye salmon escapement in Crescent River, Upper Cook Inlet, Alaska, 1979 to present.

Year	Sample Size	Percent Composition by Age Class (%)															Total	
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other
1979	643			0.80		30.90	0.10		67.40	0.70		0.10						100
1980	511					6.60			87.40	2.60		1.80	1.60					100
1981	1,117					8.00	0.10		34.00	10.60		0.10	47.20					100
1982	711					12.90			79.20	0.80		0.10	7.00					100
1983	731					10.90	0.60		42.30	27.40		0.20	18.60					100
1984	780					3.50			16.90	20.00			59.40	0.20				100
1985	594			0.20		4.70	0.30		31.30	20.50			43.00					100
1986	139					6.50			15.80	13.00			64.00	0.70				100
1987	191					2.62			47.65	4.19			45.03		0.52			100
1988	741					10.39	0.13		44.94	17.81		0.54	26.05	0.13				100
1989	711				0.14	0.70			45.43	1.97		0.14	51.20	0.14	0.14	0.14		100
1990	591				0.34	4.06	0.17		51.44	3.38		0.34	40.10		0.17			100
1991	357				0.56	14.85			50.42	16.81		0.28	16.53	0.28	0.28			100
1992	194					2.58			21.65	12.37			61.86	1.03		0.52		100
1993	465			0.22		8.82	0.86		37.21	5.81			46.88		0.22			100
1994	547			0.18		6.58	0.36		49.56	12.25		0.36	30.53		0.18			100
1995	543			0.37		9.21	0.18		18.41	9.39		0.55	61.70			0.18		100
1996	393					15.27			25.44	23.92			34.86		0.51			100
1997	640					10.62	0.16		55.94	6.56			26.56		0.16			100
1998	577					9.88			44.54	10.05		0.35	35.18					100
1999	912					21.38	0.11		39.36	9.21		0.44	29.28		0.11	0.11		100
2000	357					2.52			72.83	2.24			22.41					100
2001	572					15.73	0.53		20.98	22.73		0.87	38.81		0.18	0.18		100
Mean				0.35	0.35	9.53	0.30		43.48	11.06		0.44	36.72	0.41	0.25	0.23		

Table 24. Length composition of sockeye salmon escapement in Crescent River, Upper Cook Inlet, Alaska, 1979 to present.

Year	Mean Length by Age Class (mm)															Total	
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other
1979																	
1980								557									557
1981					472			564	506			566					551
1982					511			572									563
1983					474			553	491			556					528
1984								562	503			569					554
1985								557	494			557					543
1986								559	504			564					555
1987					487			589	493			585		645			581
1988					476	338		567	491		606	572	508				547
1989				595	477			580	525		575	580	555	615	575		578
1990				600	540	340		584	521		600	593		630			584
1991				534	509			553	510		565	550	587	592			539
1992					487			546	490			559	503		540		545
1993			303		487	340		568	486			571	603				555
1994			351		464	350		554	469		573	560		510			538
1995			355		489	353		565	505		589	566			558		552
1996					487			596	506			590		593			556
1997					470	308		578	486			579		673			561
1998					483			568	507		601	572					555
1999					471	374		558	481		594	561		569	601		533
2000					462			578	463			574					572
2001					470	337		568	485		603	567		628	588		532
Mean			336	576	484	343		567	496		590	570	551	606	572		554

Table 25. Age composition of sockeye salmon escapement in Yentna River, Susitna River drainage, Upper Cook Inlet, Alaska, 1979 to present.

Year	Sample Size	Percent Composition by Age Class (%)															Total	
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other
1979																		
1980																		
1981																		
1982																		
1983	1,024	0.40	4.70	0.40	66.90	0.90	0.50	22.60	1.70		0.20	1.70						100
1984	2,253	0.20	1.30	1.60	23.70	0.30		59.60	6.50		0.10	6.70						100
1985																		
1986	688	1.02		1.08	21.24	0.31		65.32	4.73		0.15	6.15						100
1987	1,089	1.32	0.90	2.43	23.31			50.64	8.63		1.04	11.73						100
1988	1,727	2.72	0.41	2.43	33.53	1.74		41.92	6.54		0.23	10.42		0.06				100
1989	1,602	4.14	0.68	6.24	20.30	0.48		53.73	5.54		0.31	8.60						100
1990	1,916	0.76	0.30	2.41	29.90	0.08		47.59	9.78		0.72	8.21	0.18	0.07				100
1991	1,509	2.11	0.13	10.61	25.23	0.14	0.07	43.58	7.05		0.06	10.95		0.06				100
1992	1,451	1.63	0.95	0.65	31.38	0.43		29.19	17.05		0.07	18.16	0.40	0.09				100
1993	1,390	1.01	0.07	4.60	32.09	0.36		35.54	11.65			14.53		0.14				100
1994	637	1.26	0.63	3.92	23.23		0.31	43.17	9.73		0.16	17.58						100
1995	507	2.20	0.80	5.10	19.70	0.20		51.30	8.50		0.40	11.60	0.20					100
1996	466	3.22	0.43	3.22	25.54	0.43		43.77	9.44			13.95						100
1997	751	1.07	0.13	10.52	32.36	0.13		43.68	4.66		0.13	7.19				0.13		100
1998	1,500	0.73	0.33	5.73	15.73			62.67	4.00		0.27	10.53						100
1999	444	3.60		3.38	23.42			52.03	8.56		0.90	8.11						100
2000	546			5.86	8.61			61.54	3.30	0.18	0.18	20.15		0.18				100
2001	475		0.84	3.37	21.26	0.42		47.79	8.42			17.68				0.21		100
Mean		1.71	0.84	4.09	26.52	0.46	0.29	47.54	7.54	0.18	0.33	11.33	0.26	0.10	0.17			

Table 26. Length composition of sockeye salmon escapement in Yentna River, Susitna River drainage, Upper Cook Inlet, Alaska, 1979 to present.

Year	Mean Length by Age Class (mm)														Total		
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4		3.3	Other
1979																	
1980																	
1981																	
1982																	
1983																	
1984																	
1985																	
1986			443	561	460	375		570	496		555	567			574		542
1987		428	321	570	480			579	487		568	576					543
1988		456	325	570	471	363		568	481		584	574		603			530
1989		442	347	568	461	340		565	485		593	557					532
1990		444	324	555	446			561	459		580	555	478	520			515
1991		452	335	558	468	346	600	551	478		570	547		605			523
1992		430	339	544	450	371		544	456		580	551	488	583			496
1993		460	340	553	472	335		554	481			550		540			517
1994		452	365	577	473		603	578	488		600	580					542
1995		435	393	563	465			556	479		527	559	473				528
1996		444	323	581	465	348		579	486			571					534
1997		425	340	580	479	330		569	475		549	565			519		534
1998		463	321	548	486			550	484		585	547					535
1999		429		568	476			569	487		563	563					535
2000				582	461			585	473	383	649	580		625			569
2001			334	569	483	365		570	485			561			580		540
Mean		443	346	565	469	353	602	566	480	383	577	563	480	579	558		532

Table 27. Age composition of sockeye salmon escapement at Sunshine Station (RM 80.0) in the mainstem Susitna River, Upper Cook Inlet, Alaska, 1979-1992.

Year	Sample Size	Percent Composition by Age Class (%)															Total	
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other
1979	830		1.40	6.60	2.40	56.20	0.60		27.80	4.10		0.10	0.80					100
1980	823					50.00			36.20	4.70			5.20				3.90	100
1981	2,233					8.90			83.00	3.60			4.50					100
1982 ^a	1,032			2.30		23.50	0.50		59.60	3.30			10.80					100
1983	994		0.10		0.10	63.40	0.50	0.10	33.70	1.70			0.40					100
1984	970		0.80	3.40	2.20	59.30	1.00		29.30	3.30			0.70					100
1985	1,592	0.10	1.10	8.10	1.10	44.60	0.50		40.50	3.30			0.70					100
1986	^b																	
1987	^b																	
1988	^b																	
1989	1,147		0.32	0.19	0.82	19.91			62.14	6.79		0.06	9.45	0.32				100
1990	1,093		0.10	0.20	0.80	35.30			49.45	6.95		0.25	6.85	0.10				100
1991	1,564			0.05	0.60	21.07	0.05		68.28	3.97			5.98					100
1992	996		0.09	0.11	0.11	23.22			37.47	25.64			13.16		0.09	0.11		100
Mean		0.10	0.56	2.62	1.02	36.85	0.53	0.10	47.95	6.12		0.14	5.32	0.21	0.09	0.11	3.90	

^a Information shown here is sum of data collected at Yentna and from Su Hydro estimate of return passing Sunshine Station (Cross, 1982)

^b No samples were taken in this area during the indicated years.

Table 28. Length composition of sockeye salmon escapement at Sunshine Station (RM 80.0) in the mainstem Susitna River, Upper Cook Inlet, Alaska, 1989-1992.

Year	Mean Length by Age Class (mm)															Total		
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other	
1989		409	359	574	496			577	505		600	579	538					555
1990		525	378	569	489			574	497		589	572	520					538
1991			310	539	485	475		552	494			560						536
1992		490	355	537	476			543	479			546		616	544			511
Mean		475	351	555	487	475		562	494		595	564	529	616	544			535

* No samples were taken in this area during the indicated years.

Table 29. Age composition of sockeye salmon escapement in Packers Creek, Kalgin Island, Upper Cook Inlet, Alaska, 1979 to present.

Year	Sample Size	Percent Composition by Age Class (%)														Total		
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4		3.3	Other
1979																		
1980	373			2.70		60.60	0.20		11.30	12.30			12.90					100
1981	102			3.90		73.50			15.70	2.00			4.90					100
1982	341			0.30		37.00	16.40		6.70	33.40			6.20					100
1983	804			0.90		24.20	2.70		28.90	40.20			3.10					100
1984	1,245					3.00	5.70		16.00	69.00		0.10	6.30					100
1985	1,475			0.70		2.60	15.70		3.00	60.30			17.40	0.30				100
1986	1,028			1.60		6.30	12.60		3.60	44.90			30.80	0.20				100
1987	1,330					1.73	12.93		3.46	60.53	0.23		19.47	1.13	0.38	0.15		100
1988	902			0.78		1.55	5.10		6.87	63.64	0.78	0.11	20.18	0.89		0.11		100
1989	711			1.55		13.43	20.86		0.28	39.23	0.14		17.17	6.63	0.14	0.56		100
1990	795			0.43		13.31	1.15		25.23	52.27			7.32		0.14	0.14		100
1991	841					33.60	0.34		34.04	6.52		0.03	25.46					100
1992	492					8.11			55.17	22.92		0.20	13.59					100
1993	370					2.43	0.27		16.49	24.60			56.22					100
1994	901					18.92	2.78		1.78	51.92			24.57		0.01	0.01		100
1995	627					8.32	3.26		5.32	35.48	0.22		47.38		0.02			100
1996	425			0.27			1.34		5.14	67.10			25.88			0.27		100
1997	509					6.09			0.59	19.25			70.93	2.55	0.39	0.20		100
1998	339					2.95	0.30		26.84	40.12			23.30		0.30	6.20		100
1999	263					5.70	4.56		1.14	75.66			12.55	0.38				100
2000	556			0.18		7.19	8.63		2.70	48.39	0.18		30.75	1.80		0.18		100
2001	*																	
Mean				1.21		16.53	6.38		12.87	41.42	0.31	0.11	22.68	1.74	0.20	0.87		

* No samples taken

Table 30. Length composition of sockeye salmon escapement in Packers Creek, Kalgin Island, Upper Cook Inlet, Alaska, 1987 to present.

Year	Mean Length by Age Class (mm)																Total
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	Other	
1987					482	365		551	493	437		558	503	571	555		491
1988			336		502	379		555	516	368	563	562	516		608		517
1989			332		475	357		583	497	345		561	495	600	524		474
1990			328		466	472		550	480			546		590	425		500
1991					461	330		539	477		565	545					510
1992					466			540	468			530					516
1993					450	360		536	454			536					513
1994					432	343		520	443			530		505	500		461
1995					454	348		546	469	350		545		510			504
1996			335			343		542	456			541			520		481
1997					445			532	452			532	465	548	500		510
1998					473	359		523	464			513		562	536		496
1999					452	327		523	453			534	460				458
2000				390	422	345		543	459	395		542	468		605		475
2001																	
Mean			344		460	361		542	470	379	564	541	485	555	530		493

^a No samples taken

Table 31. Age composition of sockeye salmon escapement in Fish Creek, Upper Cook Inlet, Alaska, 1979 to present.

Year	Sample Size	Percent Composition by Age Class (%)															Total	
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other
1979	138			15.90		82.70			0.70	0.70								100
1980	231			5.10		65.80	3.80		15.90	8.60			0.80					100
1981	353			1.30		56.90			37.80	3.60				0.40				100
1982	504			7.00		23.90			65.20	1.90			2.00					100
1983	1,049			9.50		87.60	0.50		0.80	1.50			0.10					100
1984	1,338			0.70		84.20	0.70		5.70	7.70			0.80	0.20				100
1985	653			6.60		55.20	0.20		33.20	4.00			0.80					100
1986	1,306			12.89		54.21	2.94		18.37	10.24		0.17	1.18					100
1987	772			6.61		85.88			2.72	4.79								100
1988	584			13.53		83.05	0.51		1.37	1.54								100
1989	469			3.84		56.29	3.62		21.54	9.38			5.12	0.21				100
1990	429			0.70		37.29	0.70		30.77	24.47	0.23		5.83					100
1991	423			6.38		76.83			10.88	4.26			1.66					100
1992	464			0.21		75.65	0.43		4.96	17.89			0.65	0.21				100
1993	398			0.75		56.03	0.50		24.37	14.32			4.02					100
1994	353			5.10		51.28	1.42		15.30	21.25			5.67					100
1995	395			6.84		50.89	1.01		20.25	10.89			9.62	0.25		0.25		100
1996	399			0.50		70.43	0.25		9.27	16.79		0.25	2.25	0.25				100
1997	541			0.18		58.78			27.73	7.95		0.18	5.18					100
1998	623			0.48	0.48	6.42	0.16		75.44	4.01		0.16	12.20	0.32		0.32		100
1999	778			12.98		71.46	0.90		4.24	9.00		0.26	0.90	0.13	0.13			100
2000	483		0.02	0.83		65.42	1.86		21.95	6.62			3.11					100
2001	718			4.88	0.42	28.41	1.95		49.44	8.91	0.14		5.71	0.14				100
Mean			0.02	5.34	0.45	60.20	1.26		21.65	8.71	0.19	0.20	3.56	0.23	0.13	0.29		

Table 32. Length composition of sockeye salmon escapement in Fish Creek, Upper Cook Inlet, Alaska, 1979 to present.

Year	Mean Length by Age Class (mm)														Total		
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4		3.3	Other
1979			400		510												492
1980			450		546	489		605	565			595					550
1981			396		513			546	539				460				525
1982			*		532			557	550								538
1983			*		500			508	513								488
1984			372		497	399		552	515			571	495				500
1985			381		499	391		551	531			596					510
1986			374		505	400		571	542		519	587					502
1987			379		510			554	502								502
1988			350		478	366		568	468								461
1989			362		487	362		547	492			547	443				494
1990			374		505	371		543	489	390		540					513
1991			352		483			528	496			566					481
1992			400		477	405		528	477			520	510				480
1993			350		496	375		532	494			538					505
1994			351		468	365		524	469			521					472
1995			369		483	395		537	487			542	470			580	492
1996			348		471	340		550	486		525	543	470				481
1997			395		471			539	479		545	542					494
1998			360	542	483	405		527	478		615	534	443			538	522
1999			329		475	328		516	479		538	516	480	555			458
2000		495	349		467	352		543	471			542					483
2001			358	590	497	376		538	496	400		535	505				511
Mean		495	371	566	494	382		544	501	395	548	549	475	555	559		498

* Length for age 1.1 sockeye not reported in 1982 and 1983 data reports.
Used average length 373mm (1979-1999) to calculate total mean length.

Table 33. Age composition of sockeye salmon escapement in Chelatna Lake (Lake Creek), Yentna River drainage, Upper Cook Inlet, Alaska, 1990 to present.

Year	Sample Size	Percent Composition by Age Class (%)																Total
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	Other	
1990	93		3.22		3.24	18.27			74.20	1.08								100
1991	315				4.76	23.18			55.89	1.26			14.92					100
1992	260		0.39		1.93	41.15	0.39		53.46	0.77		0.39	1.54					100
1993	492				0.61	32.93			63.82	0.41			2.24					100
1994	734			0.82	4.09	8.85		0.14	82.15	0.41		0.54	3.00					100
1995	431			0.23	3.02	26.92			64.50	0.93		0.46	3.94					100
1996	548		0.55	0.18	5.11	21.17			67.88	0.73		1.82	2.55					100
1997	515				15.92	31.65			50.68	0.39			1.36					100
1998	1,122		0.27		7.13	11.23			79.94	0.09		0.27	1.07					100
1999	*																	
2000	*																	
2001	*																	
Mean			1.11	0.41	5.09	23.93	0.39	0.14	65.84	0.67		0.70	3.83					

* No samples taken

Table 34. Length composition of sockeye salmon escapement in Chelatna Lake (Lake Creek), Yentna River drainage, Upper Cook Inlet, Alaska, 1990 to present.

Year	Sample Size	Mean Length by Age Class (mm)														Total			
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4		3.3	Other	
1990			578		600	552			580										576
1991					556	532			562	500			559						554
1992			470		564	501	540		560	465		510	545						535
1993					547	453			524	505			522						501
1994				343	548	490		610	558	490		561	553						549
1995				330	567	508			569	478		565	560						551
1996	a																		
1997					560	503			562	508			556						543
1998			489		565	503			566	515		584	568						559
1999	b																		
2000	b																		
2001	b																		
Mean			512	337	563	505	540	610	560	494		555	552						546

^a Mean length questionable.

^b No samples taken

Table 35. Age composition of sockeye salmon escapement in Cottonwood Creek, Northern Cook Inlet, Alaska, 1981-82 and 1997 to present.

Year	Sample Size	Percent Composition by Age Class (%)																Total	
		0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	Other		
1981	360			1.11		43.60			1.15	53.57	0.29			0.29					100
1982	438			5.47		61.92	2.03		2.28	25.78			2.08	0.44					100
1997	424			5.19		27.13	2.59		4.47	54.72			5.67	0.23					100
1998	533			15.01		57.97	3.94		5.44	14.26	0.19		3.19						100
1999	1,019					62.61	0.78		7.46	26.69			2.45						100
2000	476			1.26		10.50	0.63		18.07	59.88			9.66						100
2001	587			3.06		60.31	0.68		4.43	21.12			10.39						100
Mean				5.18		46.29	1.78		6.19	36.57	0.24		5.57	0.32					

Table 36. Length composition of sockeye salmon escapement in Cottonwood Creek, Northern Cook Inlet, Alaska, 1981-82 and 1997 to present.

Year	Mean Length by Age Class (mm)															Total	
	0.1	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3		Other
1981			375		492			514	496	365			541				493
1982			342		465	384		510	463			516	482				458
1997			348		459	373		520	463			513	440				459
1998			351		466	365		518	485	385		515					452
1999					463	340		507	465			509					467
2000			349		476	345		530	481			524					491
2001			333		492	345		528	480			522					488
Mean			350		473	359		518	476	375		517	488				473

Table 37. Age composition of chinook salmon harvested in Cohoe/Nimilchik, Kalifonsky, and Salamatof Beaches commercial set gill net fisheries, Upper Cook Inlet, Alaska, 1983 to 1986.

Kalifonsky		Percent Composition by Age Class (%)															Total
Year	Sample Size	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	0.5	1.4	2.3	1.5	2.4	2.5	1.6	
1983	308		1.90		13.60		0.30	21.40	0.30		55.60	1.00	3.30	2.60			100
1984	287		4.20	1.10	19.20		1.70	22.30			44.60		6.60	0.30			100
1985	664		6.10		28.60			20.70	0.40		41.50		3.20				100
1986	437	0.20	1.80	0.20	23.50	0.20	0.20	35.40			35.40	0.40	2.50	0.20			100
Mean		0.20	3.50	0.65	21.23	0.20	0.73	24.95	0.35		44.28	0.70	3.90	0.78			
Salamatof		Percent Composition by Age Class (%)															Total
Year	Sample Size	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	0.5	1.4	2.3	1.5	2.4	2.5	1.6	
1983	107		0.90		6.60			8.40			81.30		2.80				100
1984	45				8.80			6.70			73.40		11.10				100
1985	261		7.30		19.20		0.40	12.60			55.60		3.80	1.10			100
1986	242			0.80	20.30			33.30	1.20		36.60	2.00	5.00	0.80			100
Mean			2.73	0.80	13.73		0.40	15.25	1.20		61.73	2.00	5.68	0.95			
Cohoe/Nimilchik		Percent Composition by Age Class (%)															Total
Year	Sample Size	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	0.5	1.4	2.3	1.5	2.4	2.5	1.6	
1983	442	0.20	1.10		18.50			19.90	0.20		59.50		0.40	0.20			100
1984	462	0.80	4.60	0.60	18.90		2.20	22.90			41.60		7.80	0.40	0.20		100
1985	1,445		6.50		26.80	0.10		19.60	0.10		45.10		1.80	0.10			100
1986	645	0.20	1.20		23.70			39.60		0.20	31.20	0.40	3.30			0.20	100
Mean		0.40	3.35	0.60	21.98	0.10	2.20	25.50	0.15	0.20	44.35	0.40	3.33	0.23	0.20	0.20	

Table 38. Length composition of chinook salmon harvested in Cohoe/Ninilchik, Kalifonsky, and Salmatof Beaches commercial set gillnet fisheries, Upper Cook Inlet, Alaska, 1983 to 1986.

		Mean Length by Age Class (mm)															
Kalifonsky		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	0.5	1.4	2.3	1.5	2.4	2.5	1.6	Total
Year																	
1983			400		621		936	856	547		1,029	862	1,105	1,038			822
1984			487	827	643		1,020	886			1,042		1,084	962			869
1985			413		638			869	647		1,020		1,117				784
1986		562	378	798	658	391	917	895			1,022	852	1,093	1,027			781
Mean		562	420	813	640	391	958	877	597		1,028	857	1,100	1,009			814
Cohoe/Ninilchik		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	0.5	1.4	2.3	1.5	2.4	2.5	1.6	Total
Year																	
1983		540	415		640			861	640		1,011		1,071	1,020			775
1984		668	425	779	637		1,053	840			1,041		1,114	1,074	1,192		882
1985			425		637	450		868	644		1,019		1,102	1,015			770
1986		587	382		649			890		1,042	1,022	886	1,083			841	820
Mean		598	412	779	641	450	1,053	865	642	1,042	1,023	886	1,093	1,036	1,192	841	812
Salmatof		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	0.5	1.4	2.3	1.5	2.4	2.5	1.6	Total
Year																	
1983			518		614			948			1,034		1,069				837
1984					653			804			1,044		1,107				902
1985			440		614			881			1,018		1,112	1,095			860
1986				796	632			889	690		1,037	853	1,100	1,029			878
Mean			479	796	628			881	690		1,033	853	1,097	1,062			869

Table 39. Age composition of chinook salmon harvested in the Central District, Upper Subdistrict commercial set gillnet fisheries, Upper Cook Inlet, Alaska, 1987 to present.

Year	Sample Size	Percent Composition by Age Class (%)															Total
		0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	0.5	1.4	2.3	1.5	2.4	2.5	1.6	
1987	1,212	0.08	2.06	0.08	14.69			33.01	0.17		48.50	0.25	1.07	0.08			100
1988	870		3.22		10.81		0.23	14.25	0.35		68.50	0.12	1.83	0.69			100
1989	854		0.94		15.11			21.08	0.23		53.28		9.37				100
1990	437	0.22	1.14	0.22	29.48	0.92	0.46	28.99	0.46		32.66	0.43	3.43	1.59			100
1991	446	0.22	0.67		24.90	0.22	0.45	32.06			38.54	0.67	2.02	0.22			100
1992	688		2.46		14.97			27.62	0.58		49.56	0.88	3.78	0.15			100
1993	915		2.95		13.01			20.87	0.11		57.92	0.66	4.04	0.44			100
1994	1,502		3.53		12.28	0.08		14.67	0.25		61.28	0.45	5.81	1.59		0.05	100
1995	1,508		2.73		22.35	0.09		32.88	0.76		34.95	0.11	5.9	0.19	0.05		100
1996	2,186		3.25		15.83	0.06		34.87	0.15		42.34	1.55	1.49	0.46			100
1997	1,691		6.38		13.51	0.27		31.08	0.27		45.64	0.72	0.73	1.40			100
1998	911	0.46	11.75	0.22	23.18	0.34	0.10	21.06	1.57		38.38	0.54	1.87	0.56			100
1999	1,818	0.05	2.32		26.30	0.16		24.52			43.46	0.40	2.78				100
2000	991		9.15	0.08	12.19	0.88		38.65	0.33		37.61	0.27	0.77	0.08			100
2001	989		11.68		40.04			14.53			32.52		1.23				100
Mean		0.21	4.28	0.15	19.24	0.34	0.31	26.01	0.44		45.68	0.54	3.07	0.62	0.05	0.05	

Table 40. Length composition of chinook salmon harvested in the Central District, Upper Subdistrict commercial set gillnet fisheries Upper Cook Inlet, Alaska, 1987 to present.

Year	Mean Length by Age Class (mm)															Total
	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	0.5	1.4	2.3	1.5	2.4	2.5	1.6	
1987	658	408	963	614			873	598		1008	833	1067	1020			893
1988		399		647		894	820	581		992	1008	957	952			909
1989		451		673			825	895		992		1037				898
1990	470	560	720	611	545	768	773	650		979	845	979	986			798
1991	595	461		626	390	1025	822			976	867	1054	1030			835
1992		442		613			784	751		974	825	1052	940			855
1993		419		627			906	615		989	829	1286	965			918
1994		420		662	560		866	731		898	844	1088	1027		1230	934
1995		422		646	410		895	665		1026	918	1107	1055	1200		883
1996		410		625	405		871	661		1018	857	1098	1076			883
1997		426		632	412		858	608		1003	868	1055	995			868
1998	591	443	780	644	445	980	838	654		994	880	1045	934			806
1999	695	414		626	431		808			968	783	1055				827
2000		413	765	631	421		846	710		989	878	1064	1150			832
2001		422		614			820			985		1054				748
Mean	602	434	807	633	447	917	840	677		986	864	1067	1011	1200	1230	859

Table 41. Age and length composition of chinook salmon harvested in the Central District, Western Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1980-1985.

Year	Sample Size	Percent Composition by Age Class (%)										Total
		0.1	1.1	1.2	0.4	1.3	2.2	1.4	2.3	1.5	2.4	
1980				19.70		12.20		68.10				100
1983	330 ^a			19.70		38.10		40.70	0.30	0.60	0.60	100
1984	225		0.40	16.90		35.10		43.60		3.10	0.90	100
1985	308	0.70	0.30	16.60	0.30	33.60	0.30	37.10	3.60		7.50	100
Mean		0.70	0.35	18.23	0.30	29.75	0.30	47.38	1.95	1.85	3.00	

Year	Mean Length by Age Class (mm)										Total	
	0.1	1.1	1.2	0.4	1.3	2.2	1.4	2.3	1.5	2.4		
1980		^b										
1983			601		816		924	765	1,065	911		847
1984		420	625		839		960		1,133	863		807
1985	492	469	623		808	588	964	841		972		720
Mean	246	445	462		616	294	712	803	1,099	915		791

^a Data not available for 1981 and 1982.

^b Length data not available.

Table 42. Age and length composition of chinook salmon harvested in the Northern District, Eastern Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1986-1991.

Year	Sample Size	Percent Composition by Age Class (%)										Total
		0.2	1.1	1.2	0.4	1.3	2.2	1.4	2.3	1.5	2.4	
1986	206 ^a	1.00		27.70		44.50	2.00	23.30		1.50		100
1987	238 ^b	0.42		19.75	0.42	44.12	2.10	27.73	4.20	0.84	0.42	100
1988	168		0.59	15.48		32.74		50.60			0.59	100
1989	323			32.80		33.70		31.30		2.20		100
1990	347			15.88		39.75	0.28	39.75	2.61	1.17	0.56	100
1991	245			29.04		32.64	2.07	34.99	0.81		0.45	100
Mean		0.71	0.59	23.44	0.42	37.91	1.61	34.61	2.54	1.43	0.51	

Year	Sample Size	Mean Length by Age Class (mm)										Total
		0.2	1.1	1.2	0.4	1.3	2.2	1.4	2.3	1.5	2.4	
1986	206 ^a	560		619		810	607	934		984		752
1987	238 ^b	512		553	1,033	818	575	941	814	1,042	1,040	814
1988	168		400	568		791		917			925	720
1989	323			564		763		894		1,052		818
1990	347			556		763	482	914	681	1,021	843	751
1991	245			571		771	574	890	780		890	746
Mean		536	400	572	1,033	786	560	915	758	1,025	925	767

^a Data prior to 1986 not available

^b Sampling conducted during 1 June-15 June only

Table 43. Age and length composition of chinook salmon harvested in the Northern District, General Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1983-1991.

Year	Sample Size	Percent Composition by Age Class (%)										Total	
		0.2	1.1	1.2	0.4	1.3	2.2	1.4	2.3	1.5	2.4		
1983	41			22.00		41.50		36.50					100
1984													
1985	40			2.50	27.50		35.00	2.50	30.00			2.50	100
1986	694	0.10	0.70	24.10		44.00	0.70	26.60	1.60	0.60		1.60	100
1987	437 ^a		0.46	19.45		43.71	0.92	34.55	0.46	0.23		0.23	100
1988	309			14.89		27.51		56.31	0.32	0.65		0.32	100
1989	349		0.60	15.20		33.50		50.40		0.30			100
1990	360		1.40	20.82		41.67		34.72		1.40			100
1991	378			28.31		36.24		35.44					100
Mean		0.10	0.79	18.41	27.50	38.30	12.21	34.63	8.10	0.64		1.16	

Year	Mean Length by Age Class										Total	
	0.2	1.1	1.2	0.4	1.3	2.2	1.4	2.3	1.5	2.4		
1983			601		816		924	765	1,065	911		847
1984												
1985		356	586		760	682	973		1,074			739
1986	680	521	630		843	635	961	829	1,006		956	785
1987		410	604		822	590	947	798	945		930	756
1988			616		814		944	755	978		860	828
1989		374	597		784		912		926			719
1990		460	593		807		935		940			747
1991			568		790		907					755
Mean	680	424	599		805	636	938	787	991		914	772

Table 44. Age and length composition of coho salmon harvested in the Central District commercial drift gillnet fishery, Upper Cook Inlet, Alaska, 1983 to present.

Year	Sample Size	Percent Compositon by Age Class (%)					Other	Total
		1.1	2.1	3.1	1.2	2.2		
1983	2,908	19.20	74.10	6.70				100
1984	2,202	13.90	70.10	16.00				100
1985	2,180	17.50	62.90	19.55			0.05	100
1986	711	5.20	75.50	19.30				100
1987	283	14.49	56.54	28.97				100
1988	944	15.15	77.01	7.84				100
1989	*							
1990	1,660	16.02	78.32	5.52	0.03	0.11		100
1991	833	9.10	85.54	4.59	0.16	0.60		100
1992	1,333	9.88	84.80	4.15	0.45	0.72		100
1993	1,064	6.36	80.39	13.25				100
1994	945	9.85	79.66	10.50				100
1995	966	8.18	82.51	9.32				100
1996	561	17.82	72.37	9.80				100
1997	389	17.22	77.64	5.14				100
1998	276	14.49	77.54	7.97				100
1999	612	15.52	73.85	10.62				100
2000	846	7.97	79.29	12.75				100
2001	852	7.37	76.63	16.00				100
Mean		12.51	75.82	11.55	0.16	0.48	0.05	

Year	Mean Length by Age Class (mm)					Other	Total
	1.1	2.1	3.1	1.2	2.2		
1983	553	561	573				560
1984	547	566	571				564
1985	546	562	574				564
1986	548	553	565				555
1987	536	554	574				557
1988	533	559	574				557
1989	*						
1990	538	552	567	559	523		550
1991	509	544	559	530	511		541
1992	535	553	568	555	551		552
1993	520	541	564				543
1994	547	570	585				570
1995	527	542	560				543
1996	531	556	572				553
1997	540	570	594				566
1998	560	567	579				567
1999	521	541	563				540
2000	544	571	598				572
2001	537	551	589				556
Mean	537	556	574	548	528		556

* Drift fishery closed due to the presence of oil in Cook Inlet from the M/V Exxon Valdez oil spill that occurred in Prince William Sound.

Table 45. Age and length composition of coho salmon harvested in the Central District, Upper Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1983-present.

Year	Sample Size	Percent Composition by Age Class (%)					Other	Total
		1.1	2.1	3.1	1.2	2.2		
1983	1,121	14.00	73.80	12.20				100
1984	1,727	7.60	67.30	25.10				100
1985	738	12.40	55.60	31.10			0.90	100
1986	*							
1987	199	14.57	60.30	25.13				100
1988	409	6.85	79.22	13.94				100
1989	1,423	16.40	66.10	11.50			6.00	100
1990	1,135	18.32	77.54	4.04		0.09		100
1991	1,225	12.24	81.58	5.72	0.16	0.30		100
1992	1,261	14.39	80.37	5.21		0.03		100
1993	1,098	8.73	79.73	11.53				100
1994	1,216	9.46	76.97	13.57				100
1995	1,002	6.82	77.70	15.49				100
1996	817	10.4	78.58	11.02				100
1997	425	14.11	77.89	8.00				100
1998	431	5.57	79.58	14.62		0.23		100
1999	466	9.44	69.75	20.81				100
2000	488	7.79	68.65	23.36				100
2001	146	6.85	79.44	13.71				100
Mean		10.89	73.89	14.78	0.16	0.16	3.45	

Year	Mean Length by Age Class (mm)					Other	Total
	1.1	2.1	3.1	1.2	2.2		
1983	560	593	600				591
1984	565	589	620				595
1985	563	592	605			590	587
1986	*						
1987	544	578	564				570
1988	544	587	618				589
1989	517	561	590			571	559
1990	533	554	562		487		551
1991	514	548	567	515	536		545
1992	538	557	582		502		556
1993	509	538	556				537
1994	565	601	629				601
1995	538	556	583				559
1996	549	577	595				576
1997	521	547	555				544
1998	576	595	613				596
1999	523	542	568				546
2000	526	569	601				574
2001	511	543	574				545
Mean	539	568	588	515	508	581	568

* Data unavailable for 1986 due to budget reductions.

Table 46. Age and length composition of coho salmon harvested in the Central District, Western Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1983-1993.

Year	Sample Size	Percent Composition by Age Class (%)						Total
		1.1	2.1	3.1	1.2	2.2	Other	
1983	1,580	15.00	79.70	5.30				100
1984	1,087	31.90	59.00	9.00				100
1985	1,238	31.90	60.40	7.70				100
1986	^a							
1987	^a							
1988	380	17.63	74.47	7.89				
1989	440	36.10	58.00	1.40			4.50	100
1990	427	14.49	78.27	4.21	1.17	1.87		100
1991	^a							
1992	153	24.83	70.59	3.92	0.65			
1993	505	13.47	84.75	1.77				100
Mean		23.17	70.65	5.15	0.91	1.87	4.50	

Year	Mean Length by Age Class (mm)						Total
	1.1	2.1	3.1	1.2	2.2	Other	
1983	560	566	577				565
1984	550	562	565				558
1985	566	570	575				569
1986	^a						
1987	^a						
1988	546	578	600				574
1989	518	546	583			562	537
1990	532	548	521	513	537		544
1991	^a						
1992	523	554	567	550			547
1993	506	529	554				526
Mean	538	557	568	532	537	562	553

^a No samples were taken in this area during the indicated years.

Table 47. Age and length composition of coho salmon harvested in the Northern District, General Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1983-present.

Year	Sample Size	Percent Composition by Age Class (%)					Other	Total
		1.1	2.1	3.1	1.2	2.2		
1983	450	22.00	74.00	4.00				100
1984	^a							
1985	602	23.50	68.90	7.60				100
1986	^a							
1987	^a							
1988	452	12.61	80.31	6.86		0.22		100
1989	1,040	21.30	69.10	6.10			3.50	100
1990	654	12.40	81.95	4.14	0.45	1.06		100
1991	1,103	16.29	81.93	1.51	0.04	0.23		100
1992	580	12.59	83.97	3.28	0.17			100
1993	849	9.67	82.51	7.82				100
1994	1,025	13.32	78.25	8.43				100
1995	1,313	8.38	83.63	8.00				100
1996	737	23.34	72.59	3.93		0.14		100
1997	595	16.13	79.50	4.37				100
1998	391	14.07	77.49	8.44				100
1999	754	10.48	80.10	9.42				100
2000	661	12.37	81.61	6.03				100
2001	416	7.45	83.41	9.14				100
Mean		14.74	78.70	6.19	0.22	0.41	3.50	

Year	Mean Length by Age Class (mm)					Other	Total
	1.1	2.1	3.1	1.2	2.2		
1983	525	558	589				552
1984	^a						
1985	546	562	574				559
1986	^a						
1987	^a						
1988	538	558	564		533		556
1989	507	550	576		538		542
1990	538	557	549	520	529		554
1991	516	546	565	565	507		541
1992	529	542	558	559			541
1993	519	531	556				532
1994	554	581	601				579
1995	525	550	575				550
1996	534	554	585		643		551
1997	540	554	571				552
1998	548	560	577				560
1999	500	533	545				530
2000	555	559	590				560
2001	528	549	568				549
Mean	531	553	571	548	550		551

^a No samples were taken in this area during the indicated years.

Table 48. Age and length composition of chum salmon harvested in the Central District commercial drift gillnet fishery, Upper Cook Inlet, Alaska, 1983 to present.

Year	Sample Size	Percent Composition by Age Class (%)						Total
		0.2	0.3	0.4	1.3	0.5	Other	
1983	4,126	2.10	56.70	41.00		0.20		100
1984	3,372	12.20	77.60	9.50		0.70		100
1985	3,224	6.00	75.00	18.80		0.20		100
1986	578		86.70	13.10		0.20		100
1987	688	5.02	42.80	51.77		0.41		100
1988	1,507	3.72	75.32	19.51	0.07	1.39		100
1989	^a							
1990	2,006	3.28	73.09	22.36		1.27		100
1991	926	7.91	76.59	15.44		0.06		100
1992	1,616	0.49	67.22	32.24	0.03		0.01	100
1993	1,139	2.09	65.28	31.46		1.16		100
1994	1,005	4.72	56.83	38.24		0.22		100
1995	1,121	0.47	90.23	7.99		1.31		100
1996	844	0.96	27.69	70.57		0.78		100
1997	736	1.50	76.09	18.75		3.67		100
1998	455	0.66	86.37	12.75		0.22		100
1999	945	0.38	79.12	20.50				100
2000	981	0.10	90.22	9.68				100
2001	919	4.80	16.48	78.61		0.11		100
Mean		3.32	67.74	28.46	0.05	0.79	0.01	

Year	Mean Length by Age Class (mm)						Total
	0.2	0.3	0.4	1.3	0.5	Other	
1983	548	590	608				597
1984	^b						
1985	^b						
1986	^b						
1987	508	570	594		590		580
1988	525	589	622		556		593
1989	^a						
1990	539	566	601		611		573
1991	521	562	582		599		562
1992	536	559	586	543		583	567
1993	528	548	568		580		554
1994	548	584	602		629		589
1995	582	590	611		620		592
1996	555	604	617		631		613
1997	574	605	622		641		609
1998	573	596	615		605		598
1999	558	615	633				618
2000	512	611	646				614
2001	556	602	618		653		612
Mean	544	586	608	543	610	583	591

^a Drift fishery closed due to presence of oil in Cook Inlet from the M/V Exxon Valdez oil spill that occurred in Prince William Sound.

^b Length data was unavailable.

Table 49. Age and length composition of chum salmon escapement in Little Susitna River, Northern District, Upper Cook Inlet, Alaska, 1999 to present.

Year	Sample Size	Percent Composition by Age Class (%)						Total
		0.2	0.3	0.4	1.3	0.5	Other	
1999	396		20.97	77.26		1.77		100
2000	458		84.93	14.63		0.44		100
2001	770	1.69	32.99	65.06		0.26		100
Mean		1.69	46.30	52.32		0.82		

Year	Mean Length by Age Class (mm)						Total
	0.2	0.3	0.4	1.3	0.5	Other	
1999		603	637		696		631
2000		613	632		675		616
2001	553	584	615		635		604
Mean	553	600	628		669		617

Table 50. The percent females of sockeye salmon observed in commercial gillnet fisheries and escapements of Upper Cook Inlet, Alaska, 1987 to present.

Year	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	Total
CENTRAL DISTRICT															
Central Drift															
1987			49	40			53	50		19	53				52
1988			62	36	12		55	45			69	56	45		53
1989 ^a															
1990	25		65	34			58	44		51	57	61	50	70	55
1991			42	24		58	56	30		19	48	100			48
1992			59	29			56	34		3	56		100		55
1993	32	100	53	41	33		56	46		58	57	71	65	99	55
1994			58	27			54	38		52	53	61	48		51
1995			60	44			63	47		60	59	37	100		56
1996	17		57	36	100		56	42		35	54		18		53
1997			49	31			58	32		33	57			74	55
1998	51		50	33	100		56	42		49	53	16	70	31	50
1999			71	37			53	46		40	50	74	70	74	50
2000	4		76	30			55	42		39	56	61			52
2001			67	32			53	54		48	48	100		100	51
Mean	26	100	58	34	61	58	56	42		39	55	64	63	75	53
Cohoe/Ninilchik Beach															
1987	50		38	39			52	60		54	59				52
1988				45	100		47	47		36	45				46
1989	50	33		35	20		41	39		36	46				41
1990		100	49	41			50	37		14	48		73		45
1991			85	35			52	35		59	51				43
1992		100	50	48	55		53	45			52				52
1993			74	43	26		50	48		41	49		47		48
1994			100	46	50		60	51		32	55		33		55
1995			37	43			50	51		39	51	18			48
1996			90	45			48	48		74	42		26		47
1997			76	41			53	45		52	49	59	100		50
1998	100		53	40	67		54	47		72	51	100		85	48
1999	44		76	38			55	47		56	55		100		49
2000		50	76	41	59		50	43		33	45	80			45
2001			54	43	100		56	50		77	49	100	100	100	51
Mean	61	71	66	42	60		51	46		48	50	71	68	93	48

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Year	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	Total
Kalifornsky Beach															
1987			20	41			48	51			49				47
1988				47			50	57		38	39				49
1989				34			44	41		56	48				42
1990			2	26			51	25		43	44	100	80		45
1991			49	42			53	46			52				49
1992			100	37	100		54	46			54		97		52
1993			39	54			58	49		68	57		21	90	56
1994			48	46	50	100	57	49		71	59		67	95	55
1995			50	37			39	41		28	45	42	51		41
1996			100	47	100		54	59			58		44	100	54
1997			76	48	100		53	41		14	53	100			51
1998				47	100		58	58		67	61		50		55
1999			100	43			56	51		46	51	100	33		52
2000			27	33			48	36		44	48	100	100		44
2001			100	43	100		52	43		33	50	100	15	57	50
Mean			59	42	92	100	52	46		46	51	90	56	86	49
Salamatof Beach															
1987	65		61	44			52	45			62				53
1988				48			49	56		57	45				49
1989				37	100		50	45			49				48
1990			67	21			53	46		27	55	43	83	100	50
1991			63	43			55	49		55	58				52
1992			60	39			52	38		68	48				50
1993		100	99	42	70		52	50		52	51		79		51
1994			65	31			61	69		63	54	96			59
1995		71		28			35	36		22	35				34
1996			13	43	100		49	41		33	50				48
1997				49			54	56			55				54
1998	100		100	40	100		65	59		83	61	53	100	100	60
1999			51	43	100		58	59		55	57	100	57		56
2000			32	24			47	32		60	44	56			43
2001		100	8	47	50		50	72		19	45				49
Mean	83	90	56	39	87		52	50		50	51	70	80	100	50

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Year	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	Total
Western Subdistrict															
1987			33	28			51	41			48	100	100		48
1988			100	36			46	35			38				41
1989		100		38			58	14			48				55
1990				17			57	15		67	48		50	100	48
1991				13			48	32		100	50				45
1992		100	100	42	100		45	34			44				43
1993				39			36	41			33				37
1994	b														
1995	b														
1996	b														
1997	b														
1998			33	46	100		37	47			37	29			44
1999				42			58	55			38				49
2000	b														
2001				65			61	91			49			40	58
Mean		100	67	37	100		50	41		84	43	65	75	70	47
NORTHERN DISTRICT															
Eastern Subdistrict															
1987		100	66	56	100		48	56			37				52
1988			100	61	50		45	59			52				57
1989	66	67	50	54	100		53	56		66	60				55
1990	100	64	48	41	26		52	44			56	57		50	49
1991			17	53			61	49		100	59	49			54
1992	b														
1993	50	93	61	54	81		63	61		23	49				57
1994		66	48	47	71		56	45			50	100			50
1995			12	47			43	48		27	48	100			45
1996		21	100	61	40		58	66			61	100			62
1997			28	51	50		45	52			46	50			47
1998	40		30	52	40		55	43			45	72			50
1999	33		57	36			47	37			44	33			40
2000	100	84	35	50	100		56	63		40	55	70		100	56
2001		50	59	38	38		58	48			52	64		77	51
Mean	65	68	51	50	63		53	52		51	51	70		76	52

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Year	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	Total
General Subdistrict															
1987			33	44			52	37			47				46
1988			40	41			50	41			51				47
1989		50	50	33	40		41	27		50	48				40
1990			69	47			70	49		63	76		71		66
1991			53	28			50	34		6	50	100		100	48
1992	46		61	44			59	35		33	59		100		56
1993		100	66	43	100		52	49		75	57	100		100	52
1994	21		45	36			51	44		50	45				46
1995	50		46	42			53	46			50				51
1996	50		55	43			57	52		28	52				54
1997	50		55	48			49	47			55				50
1998	33		46	41			50	35		33	48		100		47
1999			40	42			37	41		100	41			100	40
2000	100		63	41			58	44		100	54	100		100	56
2001	100		38	44			49	22		33	43	100	100	100	46
Mean	56	75	51	41	70		52	40		52	52	100	93	100	50
COMMERCIAL HARVEST TOTAL															
1987		28	48	41	18		52	52		27	54	48	100		51
1988			61	41	36		53	48		52	51		22		51
1989 ^c															
1990			65	33	3		57	41		43	55	59	65	53	53
1991			46	33		55	55	36		26	50	78		62	47
1992	4	15	61	35	39		55	39		18	55		70		53
1993	20	95	58	44	49		55	47		55	55	44	57	58	53
1994		66	57	46	46	100	56	48		53	54	81	44	95	53
1995	25	13	53	41			56	47		48	54	37	72	76	51
1996	20	8	51	40	83		54	47		37	52	2	22	100	51
1997	29		50	39	91		56	41		28	55	65	8	73	53
1998	0	0	50	39	73		56	48		60	54	53	71	41	51
1999	6		69	39	100		54	49		45	51	76	57	53	50
2000	9	72	68	33	75		53	41		45	52	69	12	12	49
2001	4	16	66	40	71		53	51		42	48	99	36	68	51
Mean	13	35	57	39	57	78	55	45		41	53	59	49	63	51

-Continued-

Table 50. (page 5 of 9)

Year	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	Total
CENTRAL DISTRICT															
Kenai River															
1987				59		100	69	54			62				66
1988		25		52			59	55		40	64				58
1989	100		100	45	45		51	49		61	49				51
1990		24	93	42	24		46	53		15	41	62			45
1991			57	48	39	75	56	54		29	50				51
1992				67	100		66	59		70	66				66
1993		67	67	52	59		61	57		58	58		100		58
1994		25	100	48	36		55	72	100	30	55	50	75		57
1995		50	67	49	59		57	51		100	49				52
1996			50	36	20		53	57	100	50	51	100	50		51
1997			100	53	50		49	56		25	58	100	100		51
1998		100		50	46		49	58	100	22	51	100			50
1999			50	35	56		50	69		67	47	86	100		51
2000			40	48	53		51	36		33	48	50	67		48
2001		100		46	33		53	72		40	53				53
Mean	100	56	72	49	48	88	55	57	100	46	53	78	82		54
Kasilof River															
1987		38		47			44	50			54	100			47
1988				57	71		56	55			51				56
1989				54			53	44		100	51				53
1990				42			56	53		100	51	100			50
1991			100	48			44	51			52				48
1992				51	25		50	61			52				54
1993		100		57	50		41	64			54				53
1994				50			50	53			60				53
1995				55			54	59			53				55
1996				47			39	55			48				45
1997				50			46	54			52				49
1998		100		48	20		54	50		33	47				50
1999				51			49	51		50	55	100			51
2000		100		50	33		47	59			51				50
2001		50		53	100		46	56			37	100			49
Mean		78	100	51	50		49	54		71	51	100			51

-Continued-

Table 50. (page 6 of 9)

Year	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	Total
Crescent River															
1987				40			41	37			43				41
1988															
1989				53			46	50		75	34				44
1990			50	29			39	30		50	30		100		35
1991			50	32			42	30			39				38
1992				60			43	58			52			100	51
1993				32			53	41			52		100		50
1994				25	50		54	19		50	49		100		46
1995				32			60	22		67	54				50
1996				32			50	31			52		100		44
1997				26			54	29			51				48
1998				32			56	53			58				54
1999				30			54	32			48				45
2000				22			62	25			75				63
2001				32			62	33		80	59				49
Mean			50	34	50		51	35		64	50		100	100	47
Packers Creek															
1987				83			63	59	34		55	40	40	50	51
1988				42	4		66	59			68	65		100	57
1989		3		59	4		59	58	100		69	81		100	47
1990				41	50		52	53			47				50
1991				31			49	43		100	53				44
1992				20			65	38			72				55
1993				11	100		62	23			55				47
1994				28	25		76	46			63				47
1995				13	40		13	47			66		100		53
1996		100			80		79	50			78				59
1997				55			67	55			81	62	100	100	74
1998				100			73	70			72			38	70
1999				47	42		100	38			58	100			42
2000				45	15		73	45	100		77	60			53
2001	b														
Mean		52		44	40		64	49	78	100	65	68	80	81	54

-Continued-

Table 50. (page 7 of 9)

Year	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	Total
NORTHERN DISTRICT															
Yentna River															
1987	22	19	41	59			43	68		67	38				48
1988	5	12	45	30	19		47	42		11	45				40
1989		28	100	33			55	46		20	64				48
1990	15		47	46	100		57	52		40	58	78	100		53
1991	12		63	34		100	54	47		100	53				48
1992	12	30	76	23			56	20			49	34	100		37
1993	14		47	37	60		54	43			63		100		48
1994	25	50	44	28		50	52	52			50				45
1995	9		54	42			52	47			58	100			49
1996	27		60	34	50		48	52			52				45
1997		100	48	55			53	57		100	37			100	52
1998	27	20	55	56			52	40		75	48				52
1999	12		53	46			42	58		25	56				44
2000			50	26			46	44	100		50				45
2001			44	48			51	53			60				51
Mean	16	37	55	40	57	75	51	48	100	55	52	71	100	100	47
Fish Creek															
1987		10		65			71	59							61
1988		1		41			62	44							36
1989	100	15		51	29		74	56			100				54
1990				59			69	69			80				65
1991		4		63			70	78			71				61
1992				53	100		24	53			67	100			52
1993		33		67			67	51			75				65
1994		17		47	60		57	55			80				51
1995		44		67	50		59	72			71	100			65
1996				47			49	63		100	44	100			50
1997				58			60	60		100	75				60
1998			66	85			74	68		100	63	100		100	73
1999		3		63			56	81			50				59
2000	100			46			46	56			40				45
2001			34	62			77	61			66	100			65
Mean	100	16	50	58	60		61	62		100	68	100		100	57

-Continued-

Table 50. (page 8 of 9)

Year	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	Total
<i>ESCAPEMENT TOTAL</i>															
1987		13	17	57		100	66	53	34	16	54	60	7	50	62
1988	5	7	29	50	7		59	55		37	62	65		100	56
1989 ^c															
1990			62	44	27		49	54		27	43	69	10		47
1991		3	60	48	34	78	52	50		26	50				50
1992	8	30	76	50	84		64	55		68	60	27	100	100	61
1993	11	61	52	53	58		58	54		58	58		100		57
1994	25	50	44	28		50	52	52			50				45
1995	9	39	58	52	56		56	54		83	52	100			53
1996	27	17	56	41	27		50	54	100	53	55	100	52	100	50
1997		15	57	53	47		49	54		30	59	81	92	100	51
1998	0	86	55	49	45		51	55	100	24	52	100		22	51
1999	12	3	52	43	51		50	59		53	50	87	94		50
2000	100	21	46	47	51		50	44	100	32	51	50	62		49
2001		45	43	50	32		52	59		41	53	100			52
Mean	22	30	51	48	43	76	54	54	84	42	54	76	65	79	52
<i>UPPER COOK INLET TOTAL</i>															
1987	41	14	46	46	3	100	55	52	34	24	54	59	11	50	53
1988	1	7	57	43	19		54	49		50	52	65	21	100	52
1989 ^c															
1990	23	20	64	37	23		55	46		39	53	62	56	52	51
1991	14	3	52	41	30	62	54	41		26	50	19		62	48
1992	6	19	61	40	60		56	43		28	56	27	71	52	54
1993	15	62	57	48	57		56	49		56	55	28	59	58	54
1994	25	23	56	41	40	74	56	55	65	43	54	60	51	94	54
1995	13	39	55	46	53		56	49		54	53	50	37	55	52
1996	24	15	53	41	39		53	49	100	41	53	67	32	100	51
1997	9	14	52	45	49		54	45		29	56	75	45	76	53
1998	38	82	52	45	45		54	51	100	36	53	74	41	30	51
1999	10	3	66	41	52		52	53		48	50	84	68	51	50
2000	13	23	56	41	51		52	42	100	39	52	58	48	12	49
2001	4	44	62	44	34		53	55		41	50	99	31	27	51
Mean	17	26	56	43	40	79	54	49	80	40	53	59	44	59	52

^a Drift Fishery closed due to presence of oil in Cook Inlet from the M/V EXXON VALDEZ

^b No samples taken.

^c No summary available, only by individual fishery or escapement.

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	0.2	1.1	0.3	1.2	2.1	0.4	1.3	2.2	3.1	1.4	2.3	3.2	2.4	3.3	Total
escapement	43	30	51	48	43	76	54	54	84	42	54	76	65	79	52
commercial harvest	13	35	57	39	57	78	55	45	0	41	53	59	49	63	51
UCI Total	17	26	56	43	40	79	54	49	80	40	53	59	44	59	52

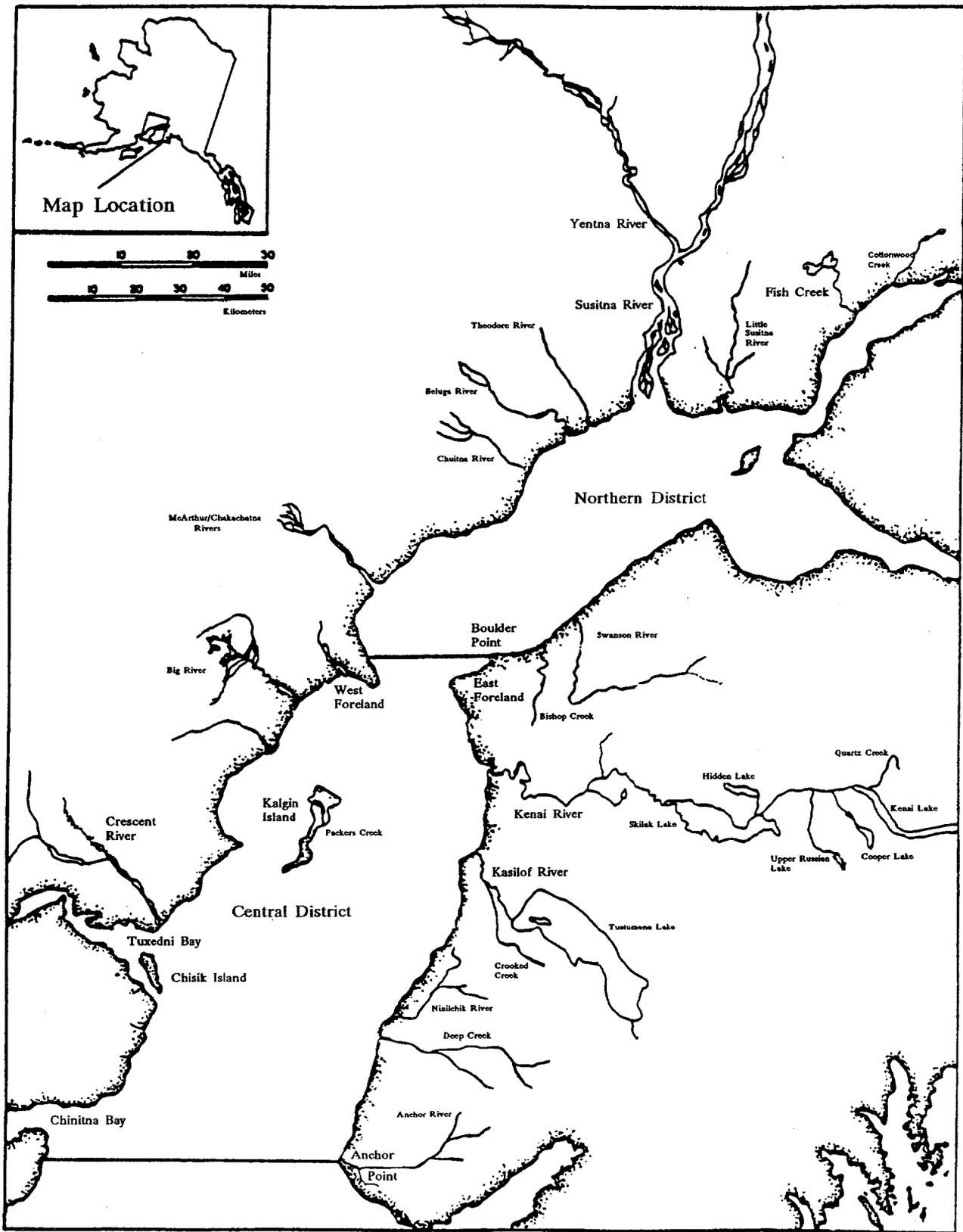


Figure 1. Map of Upper Cook Inlet showing locations of the Northern and Central Districts and the primary salmon spawning drainages.

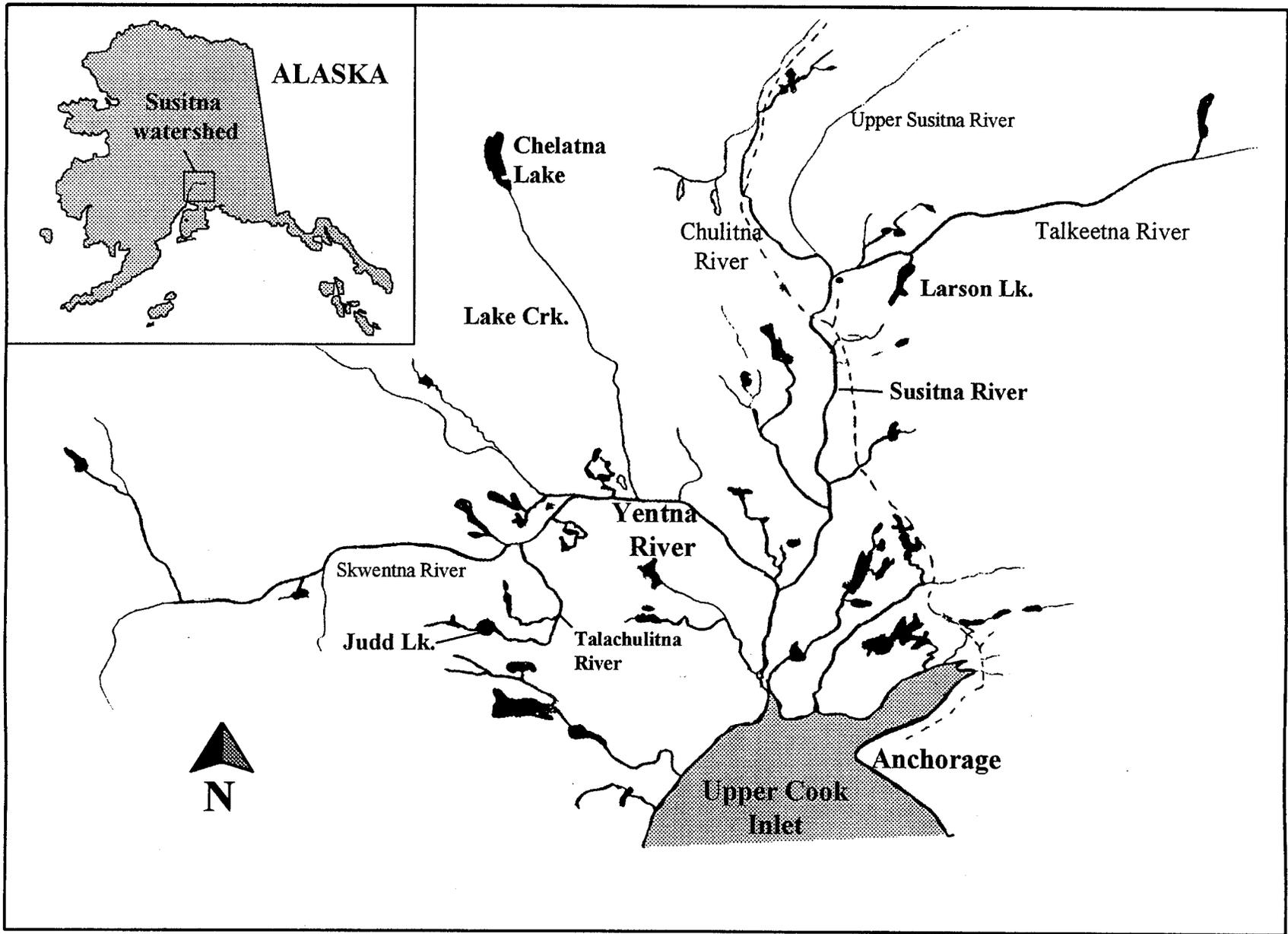


Figure 2. Map of the Susitna River drainage indicating the Yentna River, and Chelatna, Judd, and Larson Lakes.

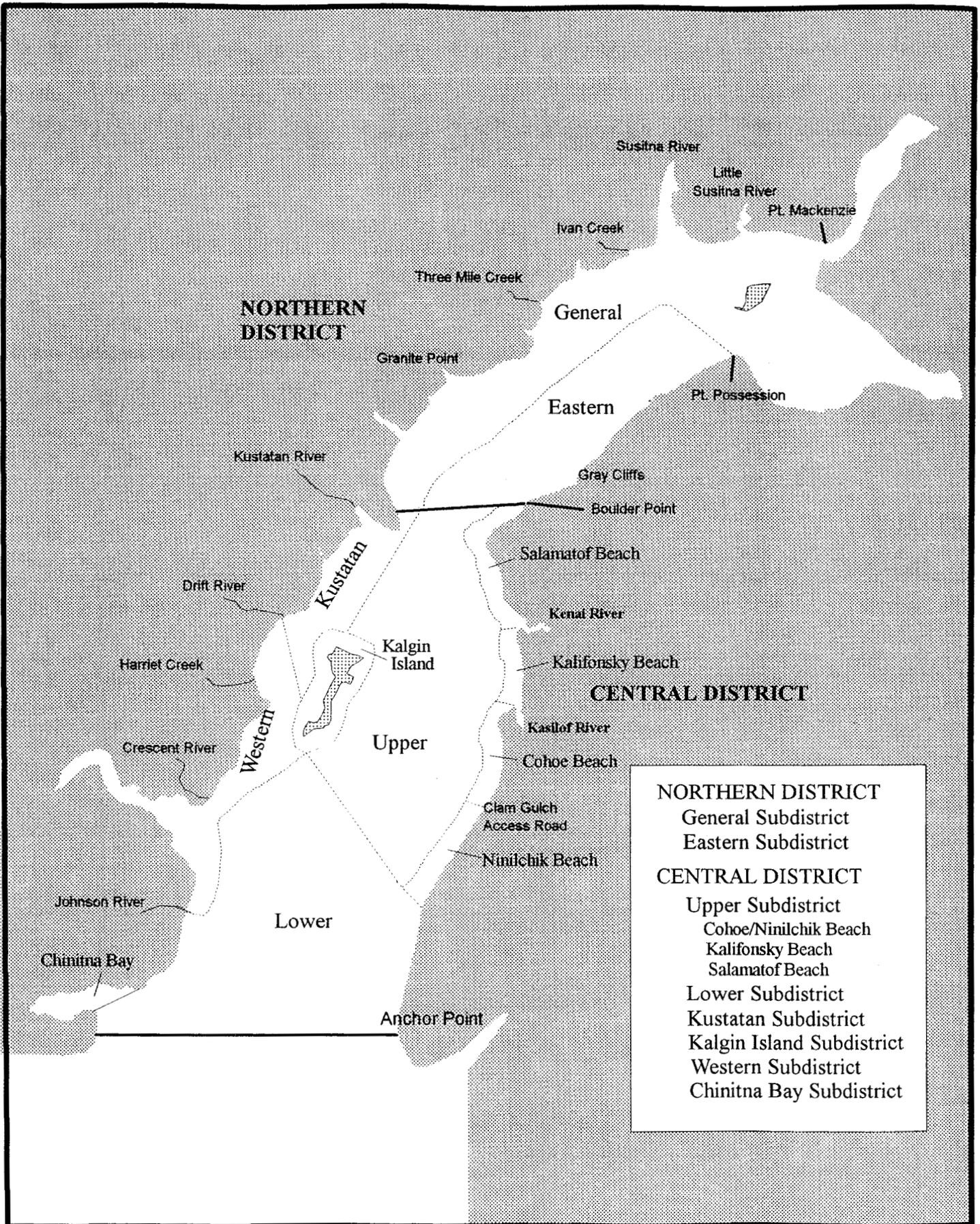


Figure 3. Map of Upper Cook Inlet showing the commercial fishing districts, subdistricts and Upper Subdistrict beach fisheries.

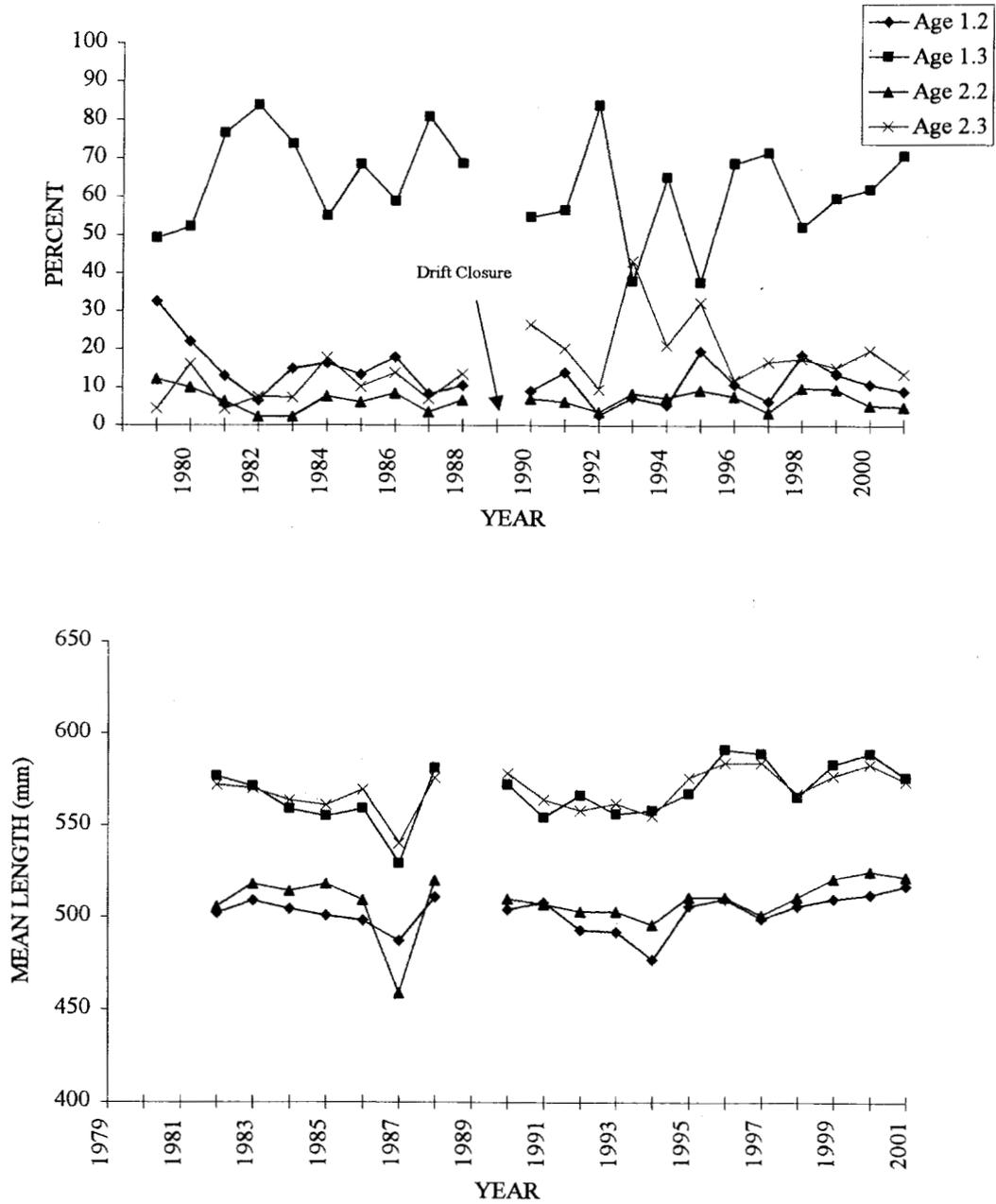


Figure 4. Age and length composition of sockeye salmon harvested in the commercial drift gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

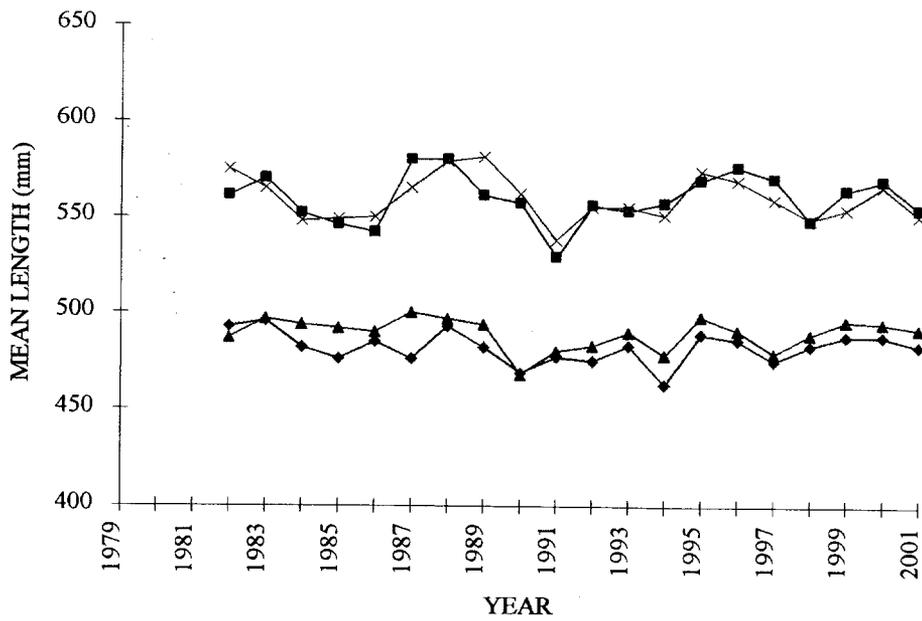
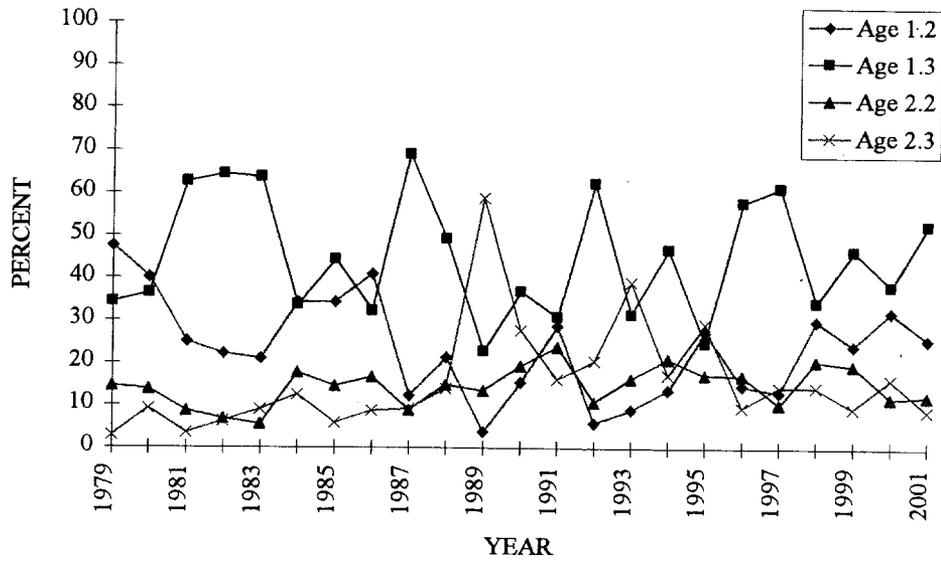


Figure 5. Age and length composition of sockeye salmon harvested in the Cohoe/Ninilchik Beach commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

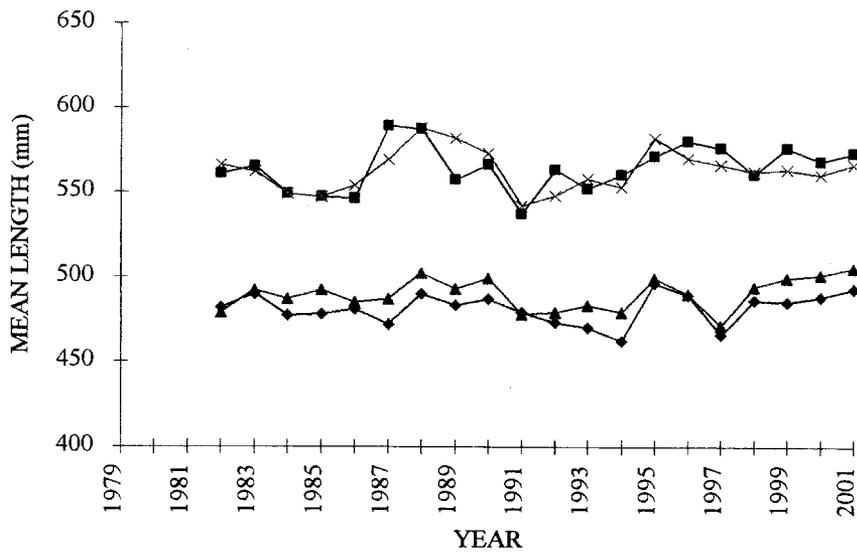
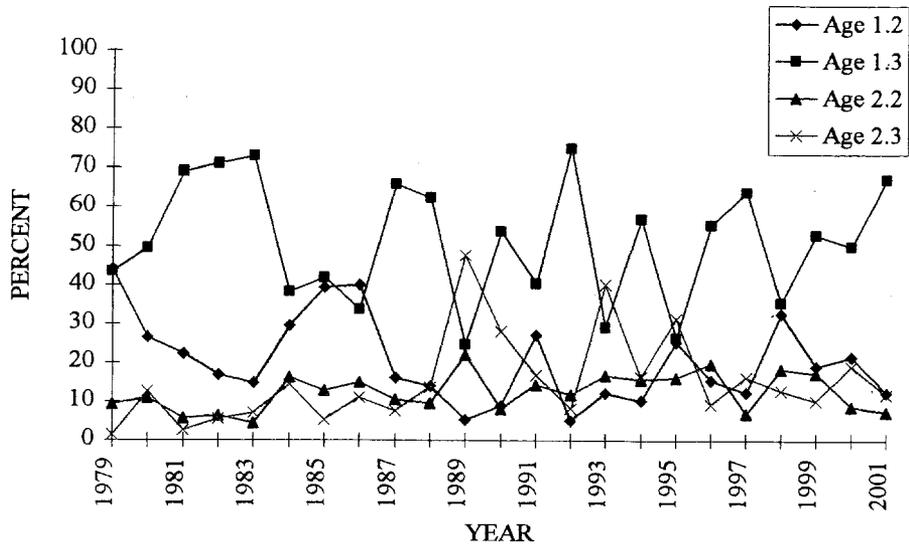


Figure 6. Age and length composition of sockeye salmon harvested in the Kalifonsky Beach commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

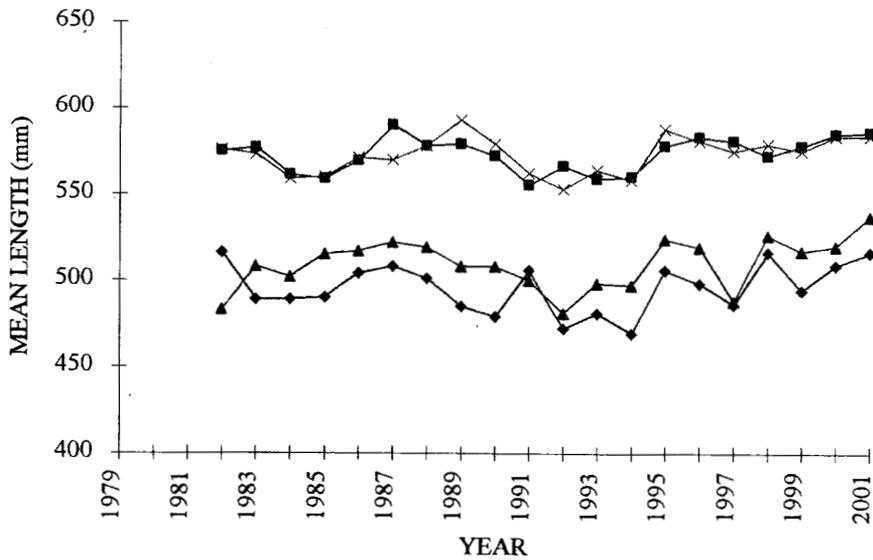
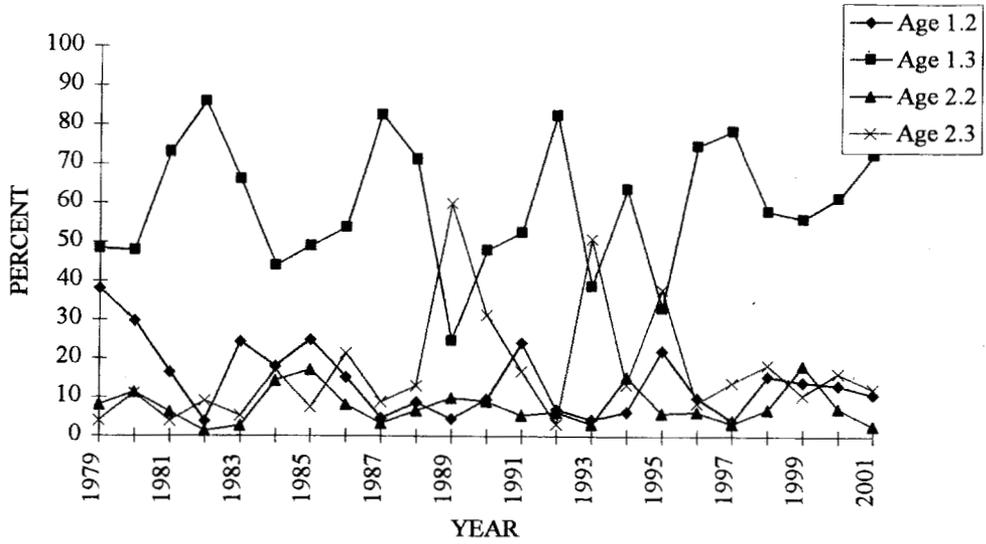


Figure 7. Age and length composition of sockeye salmon harvested in the Salmatof Beach commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

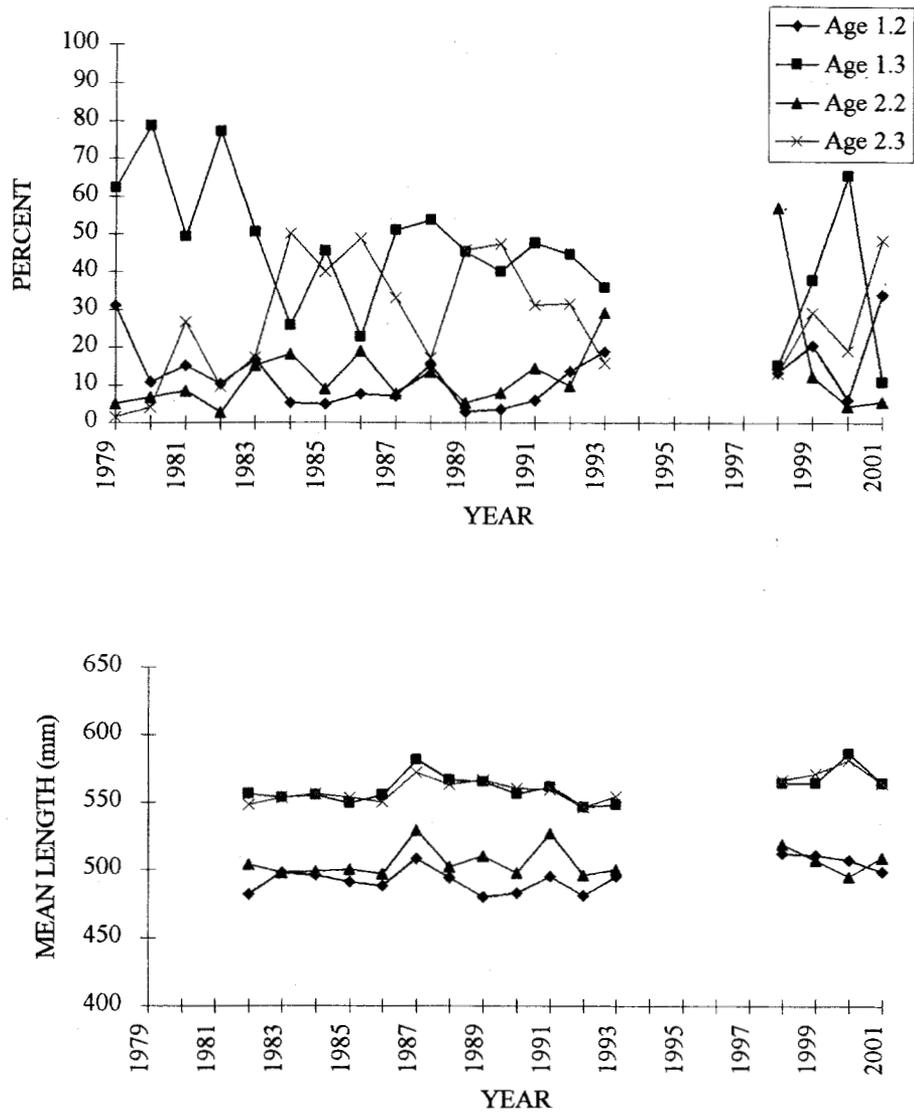


Figure 8. Age and length composition of sockeye salmon harvested in the Central District, Western Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

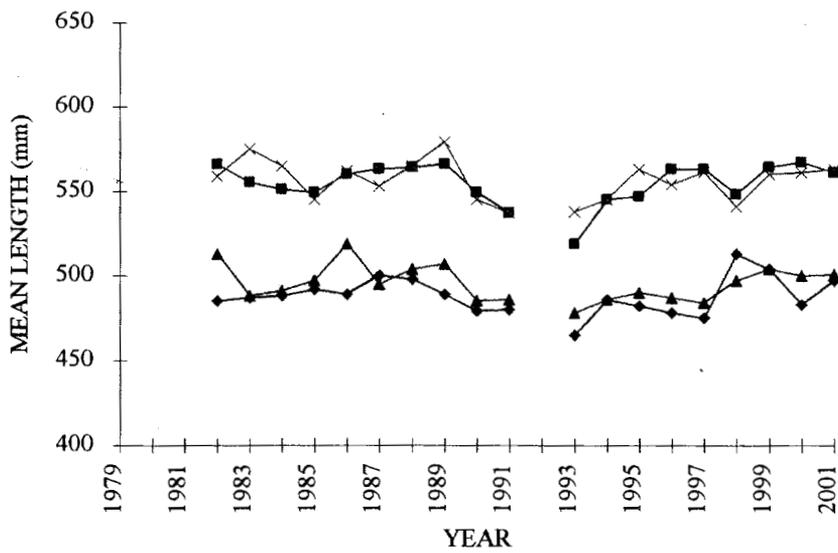
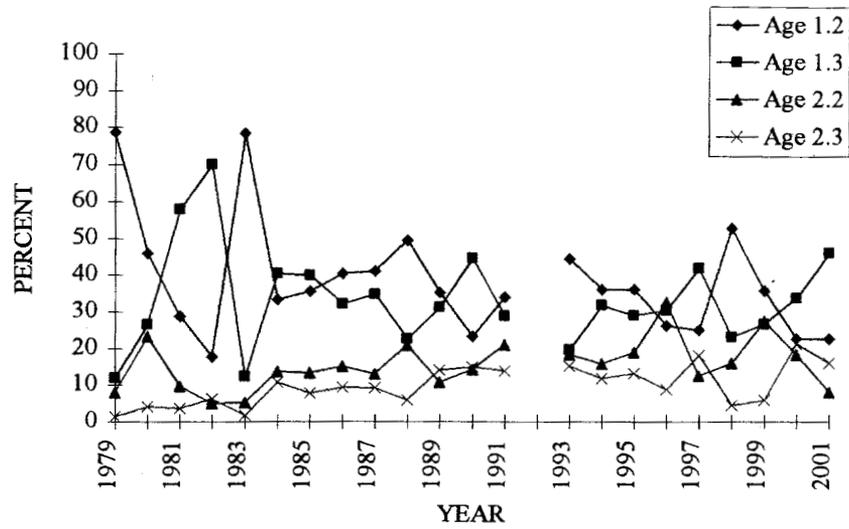


Figure 9. Age and length composition of sockeye salmon harvested in the Northern District, Eastern Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

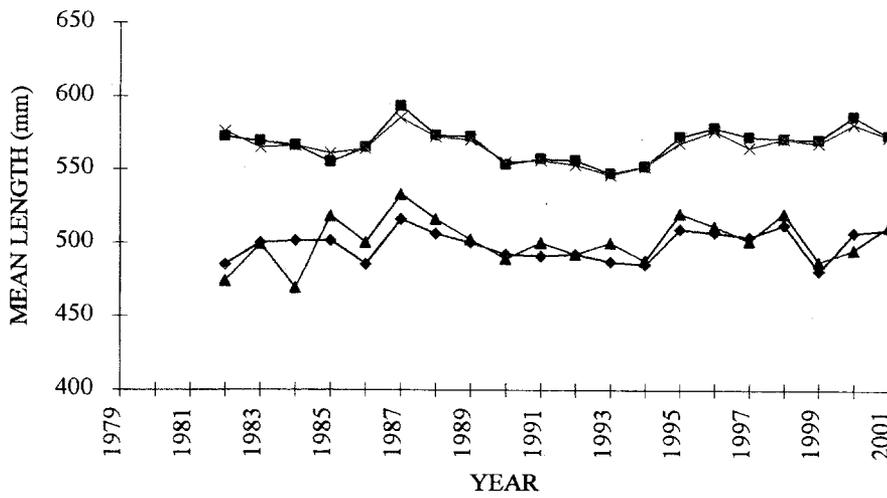
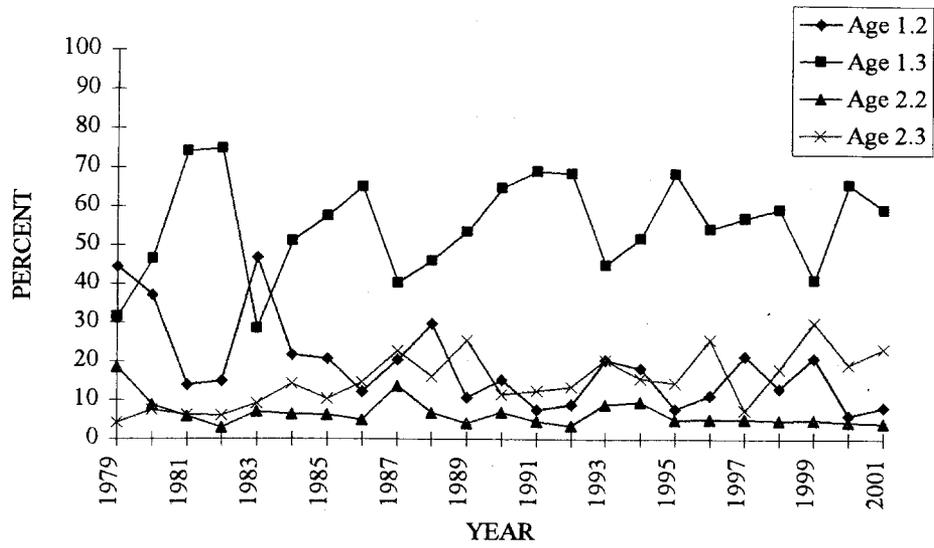


Figure 10. Age and length composition of sockeye salmon harvested in the Northern District, General Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

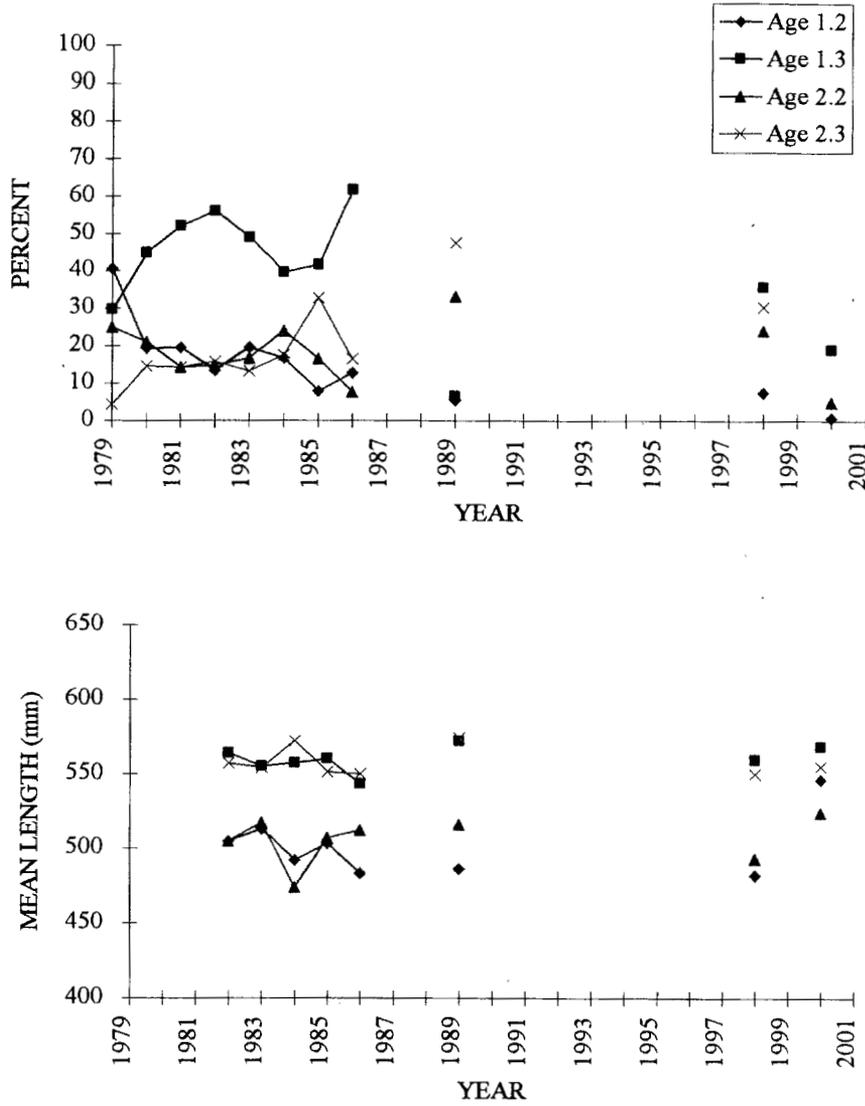


Figure 11. Age and length composition of sockeye salmon harvested in the Kalgin Island Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1979 to present.

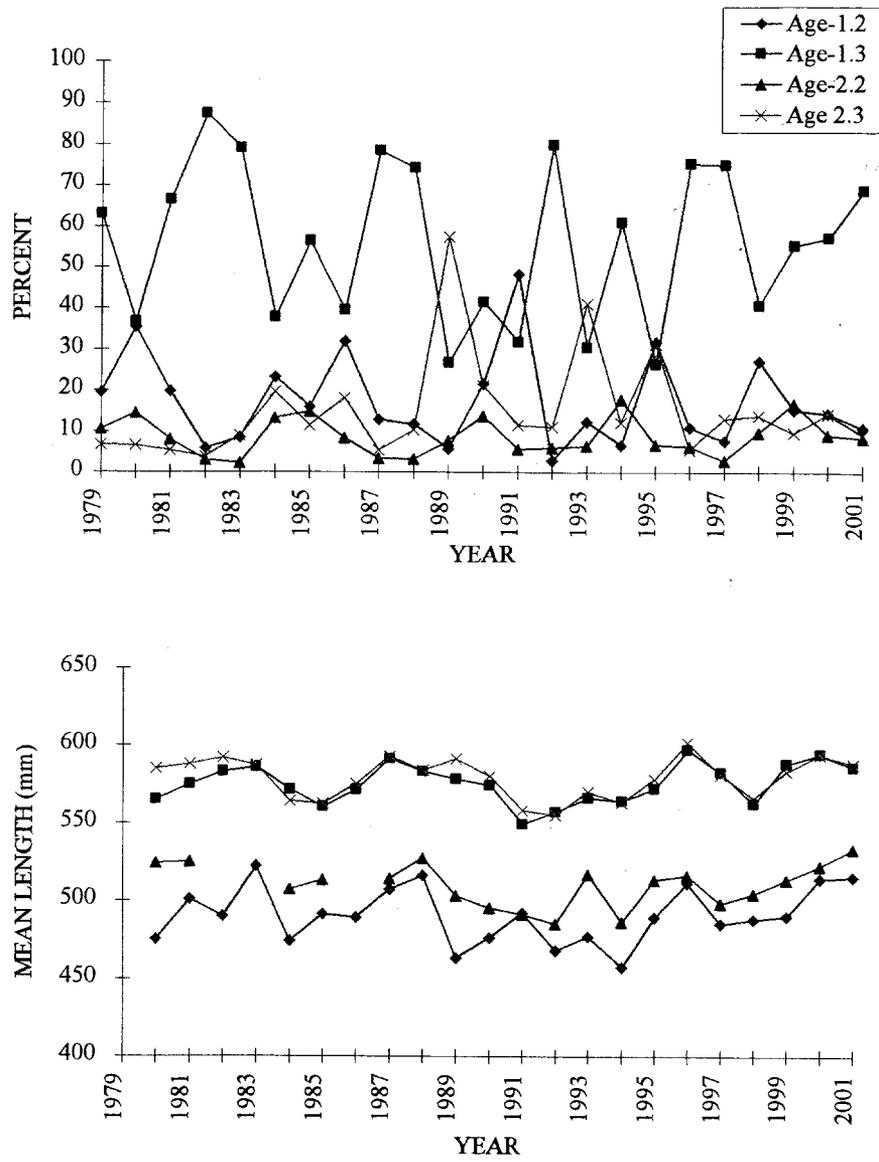


Figure 12. Age and length composition of sockeye salmon escapement in the Kenai River, Upper Cook Inlet, Alaska, 1979 to present.

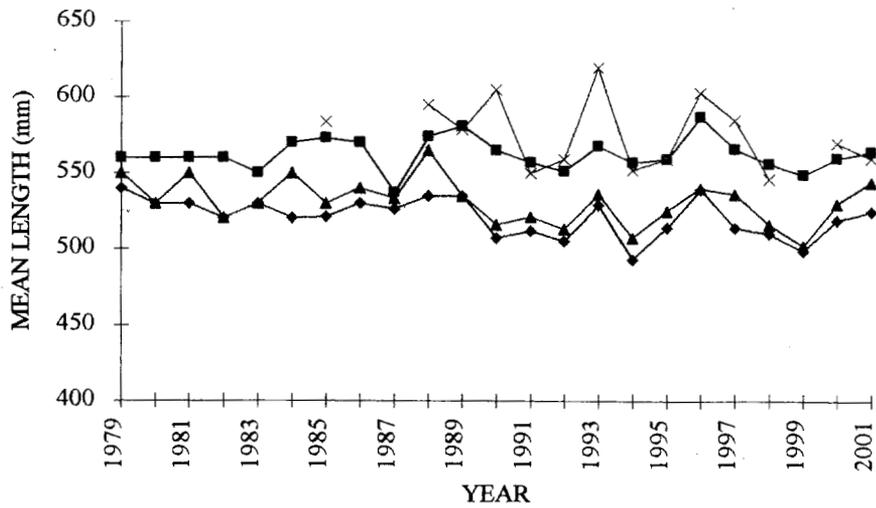
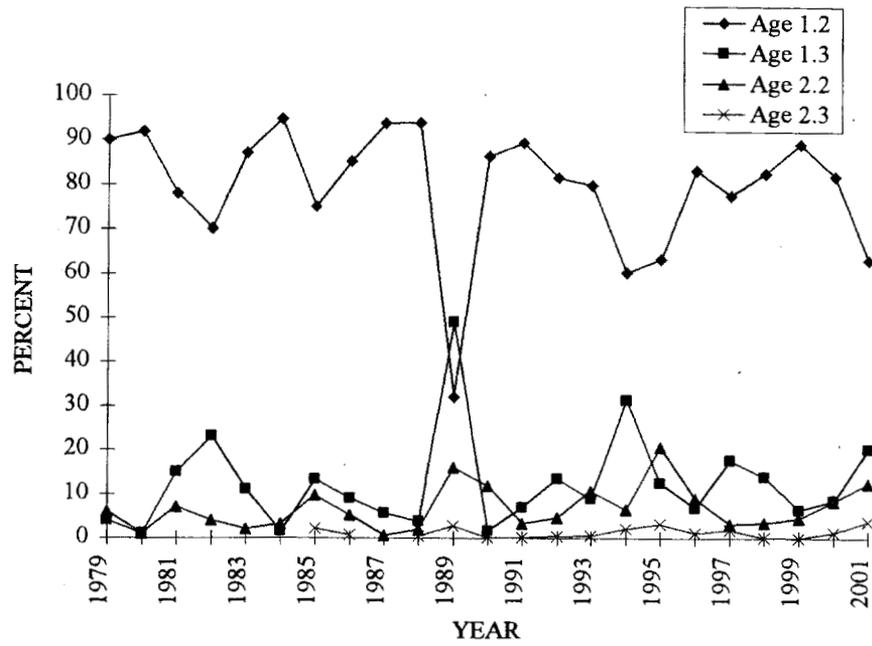


Figure 13. Age and length composition of sockeye salmon escapement in Hidden Creek, Kenai River drainage, Upper Cook Inlet, Alaska, 1979 to present.

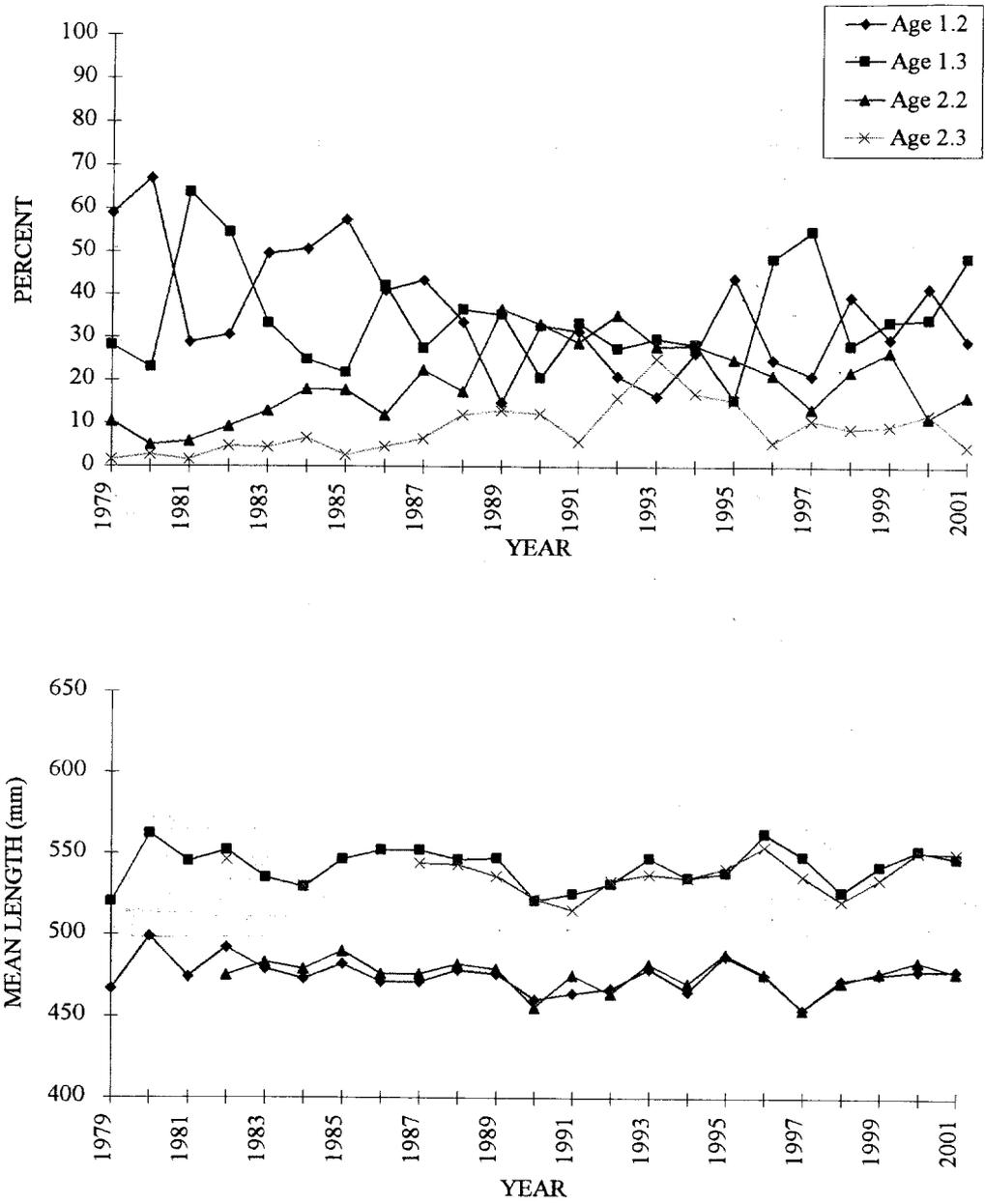


Figure 14. Age and length composition of sockeye salmon escapement in the Kasilof River, Upper Cook Inlet, Alaska, 1979 to present.

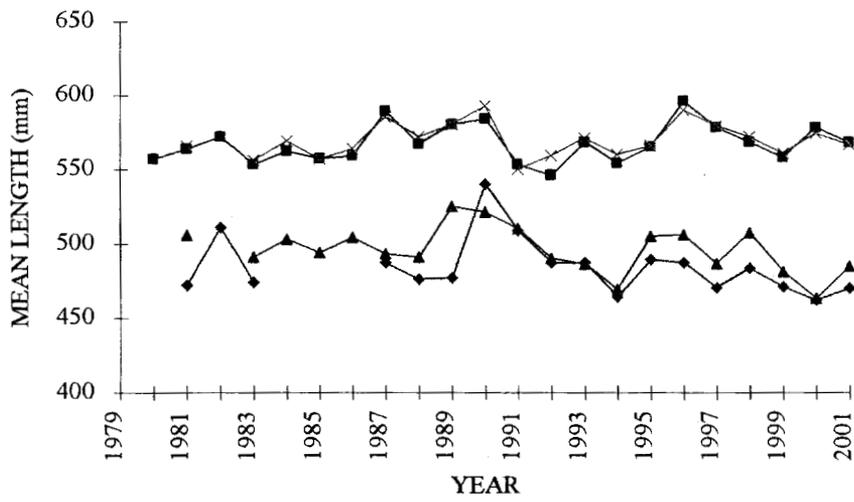
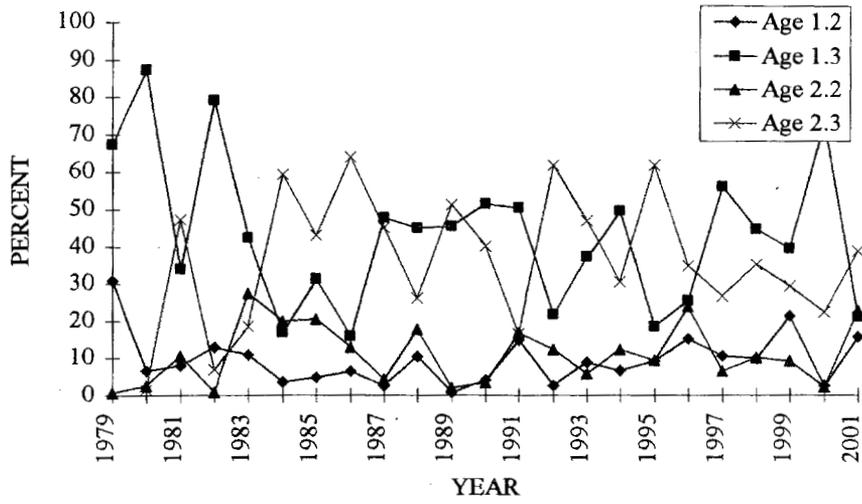


Figure 15. Age and length composition of sockeye salmon escapement in Crescent River, Upper Cook Inlet, Alaska, 1979 to present.

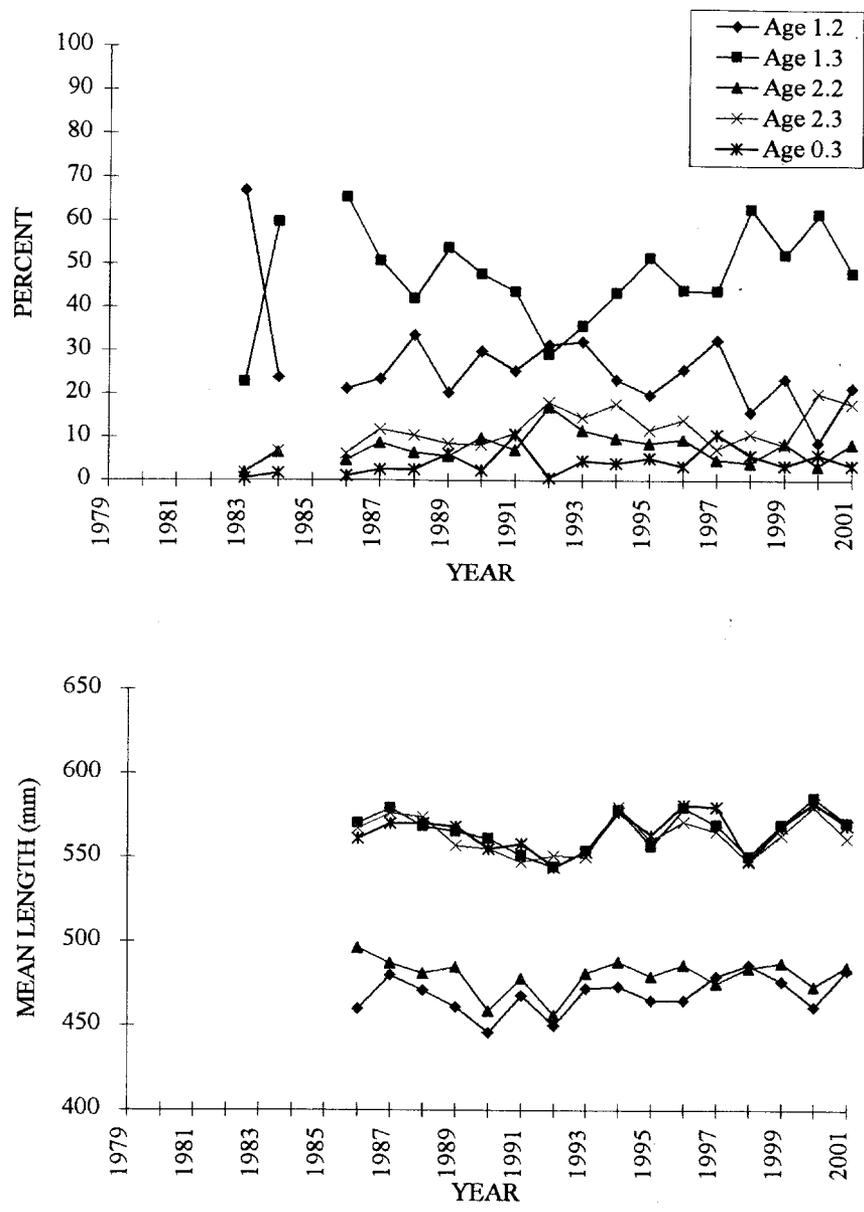


Figure 16. Age and length composition of sockeye salmon escapement in Yentna River, Susitna River drainage, Upper Cook Inlet, Alaska, 1979 to present.

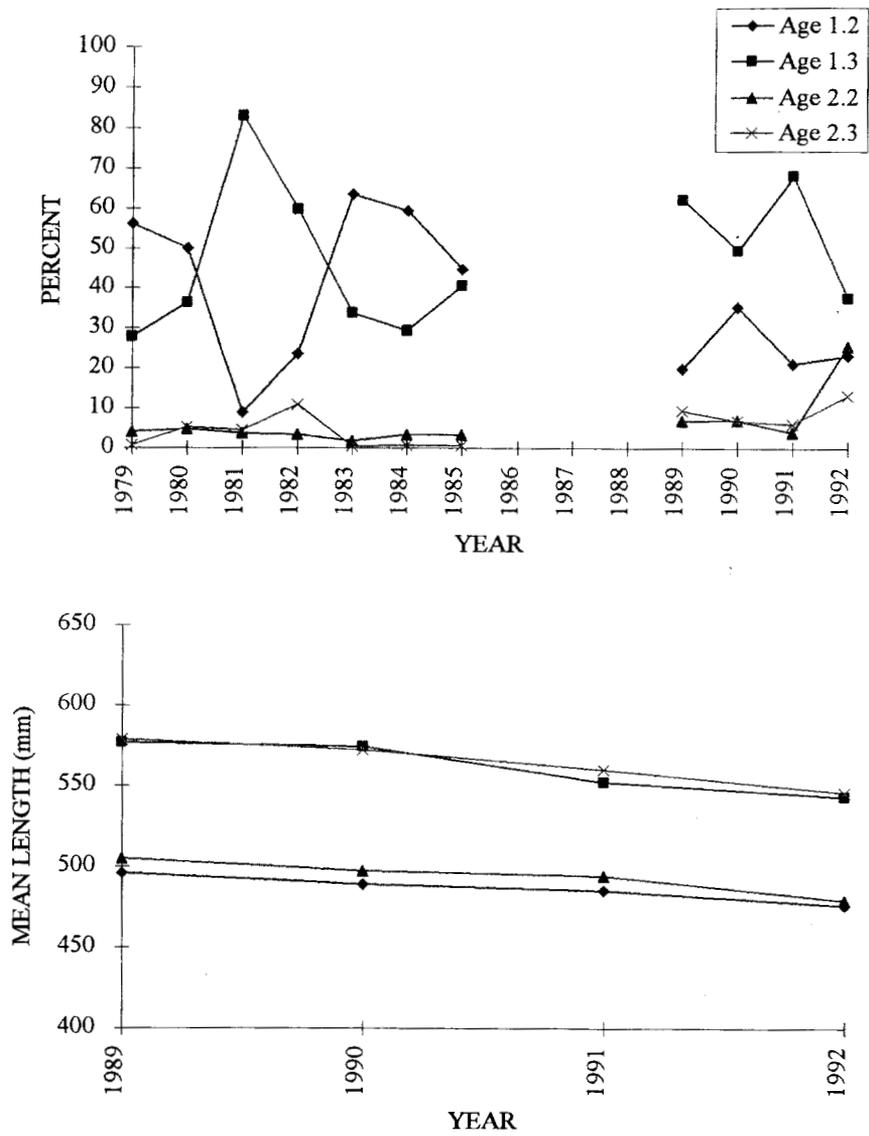


Figure 17. Age and length composition of sockeye salmon escapement at Sunshine Station (RM 80.0) in the mainstem Susitna River, Upper Cook Inlet, Alaska, 1979-1992.

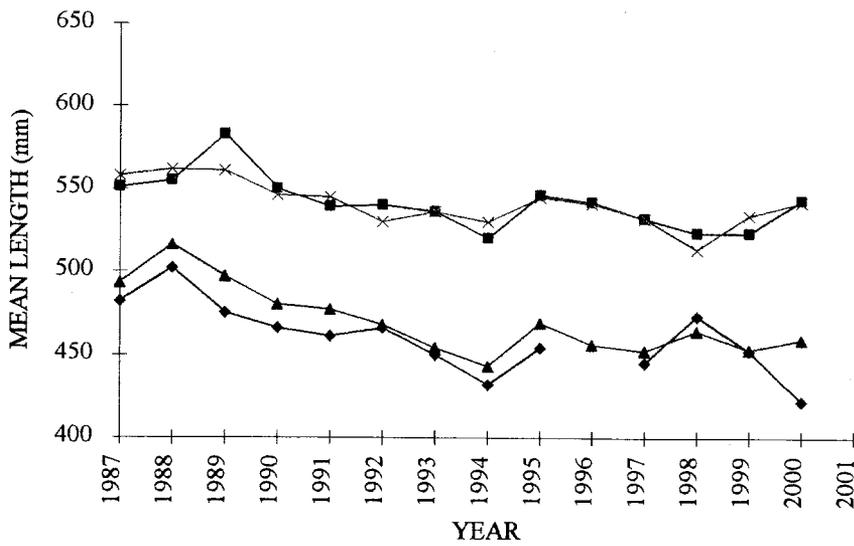
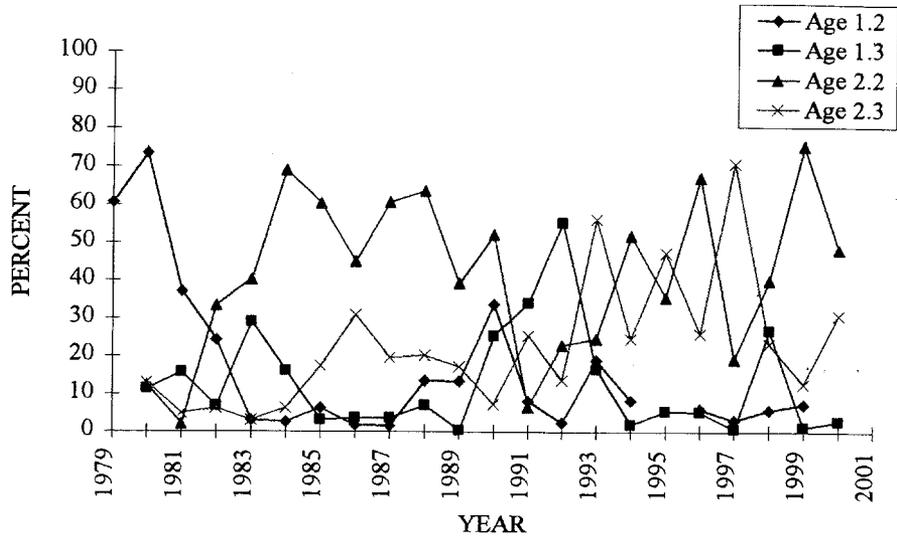


Figure 18. Age and length composition of sockeye salmon escapement in Packers Creek, Kalgin Island, Upper Cook Inlet, Alaska, 1979 to present.

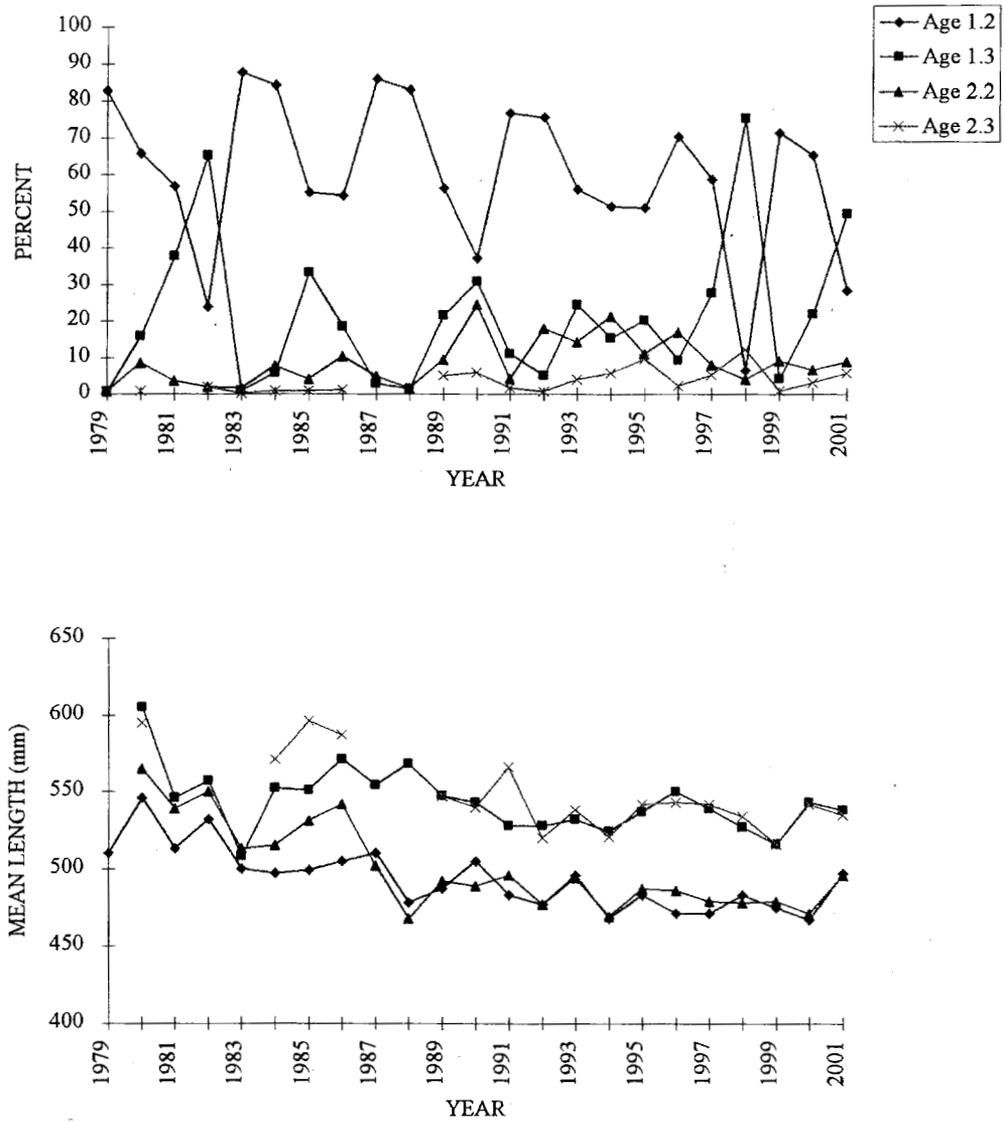


Figure 19. Age and length composition of sockeye salmon escapement in Fish Creek, Upper Cook Inlet, Alaska, 1979 to present.

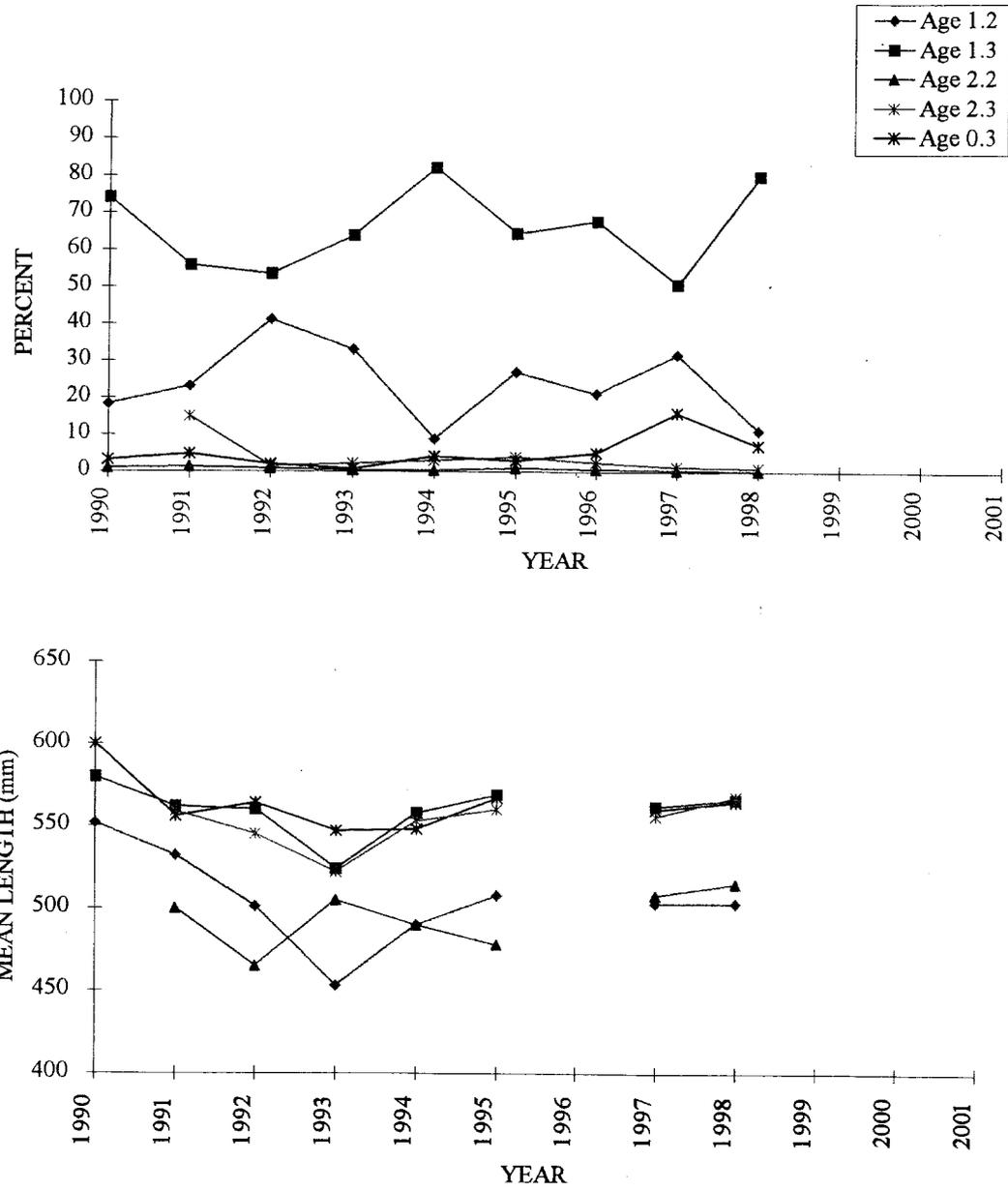


Figure 20. Age and length composition of sockeye salmon escapement in Chelatna Lake (Lake Creek), Yentna River drainage, Upper Cook Inlet, Alaska, 1990 to present.

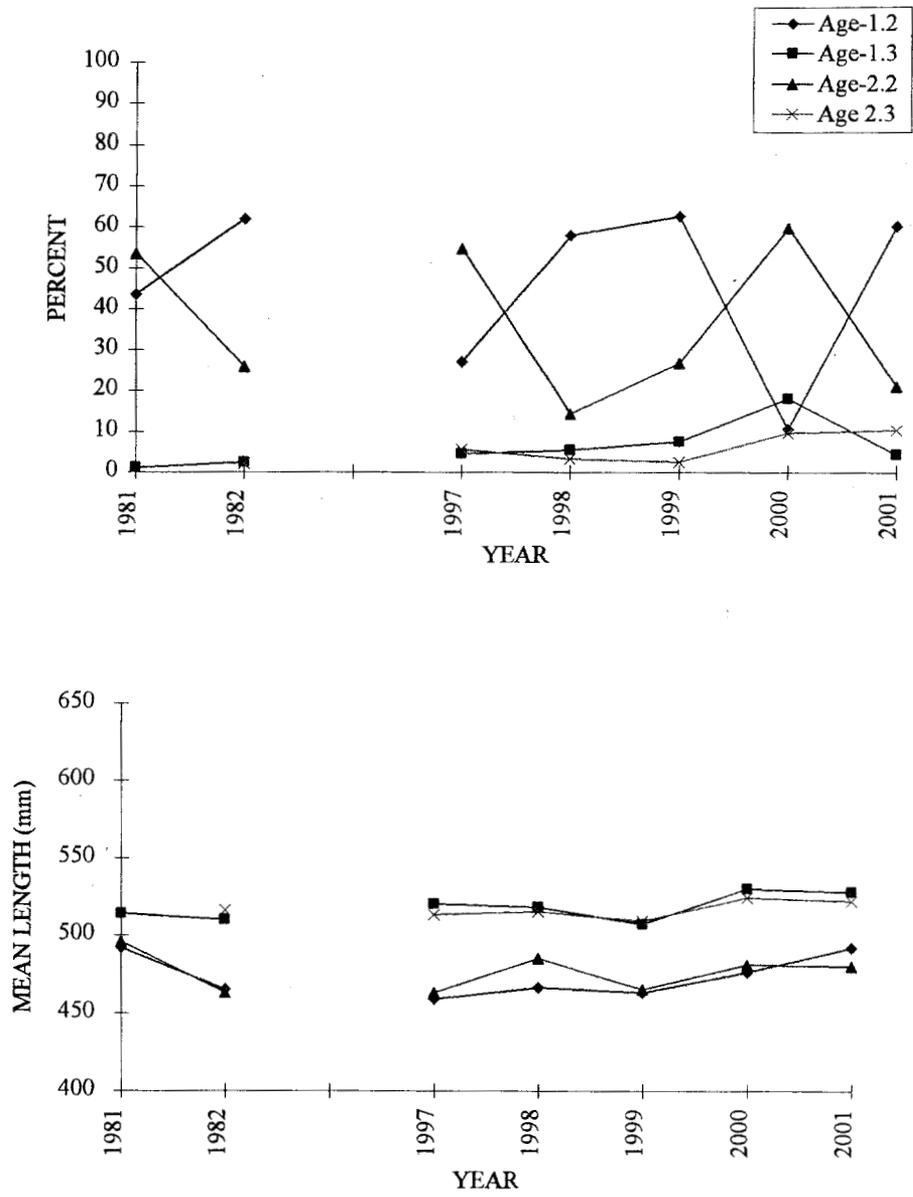


Figure 21. Age and length composition of sockeye salmon escapement in Cottonwood Creek, Northern Cook Inlet, Alaska, 1981-82 and 1997 to present.

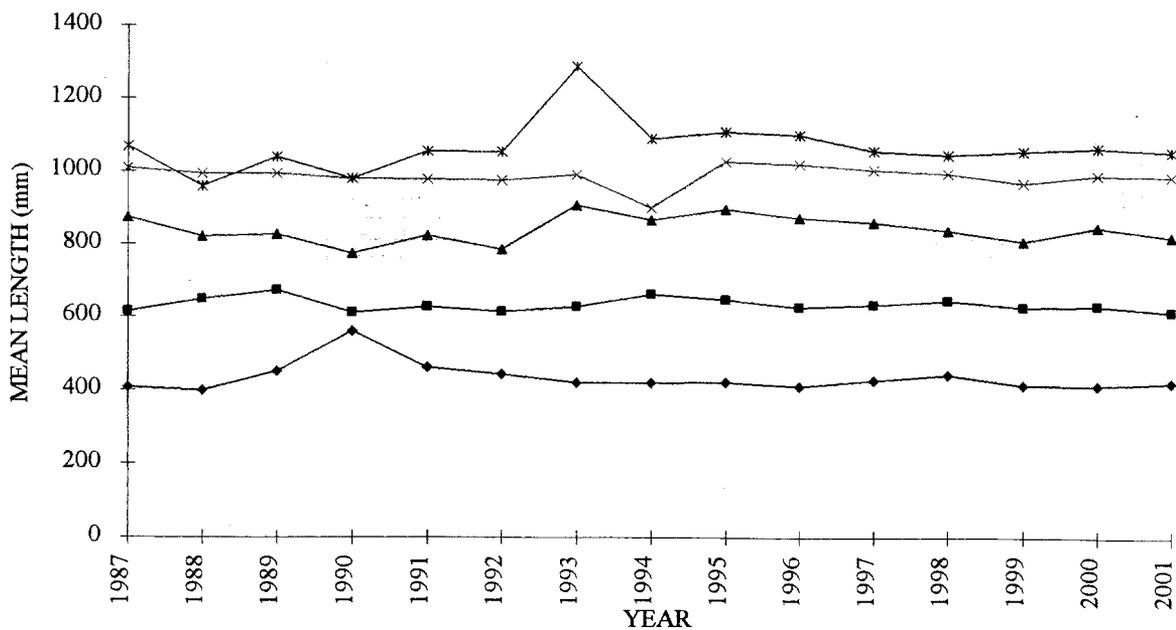
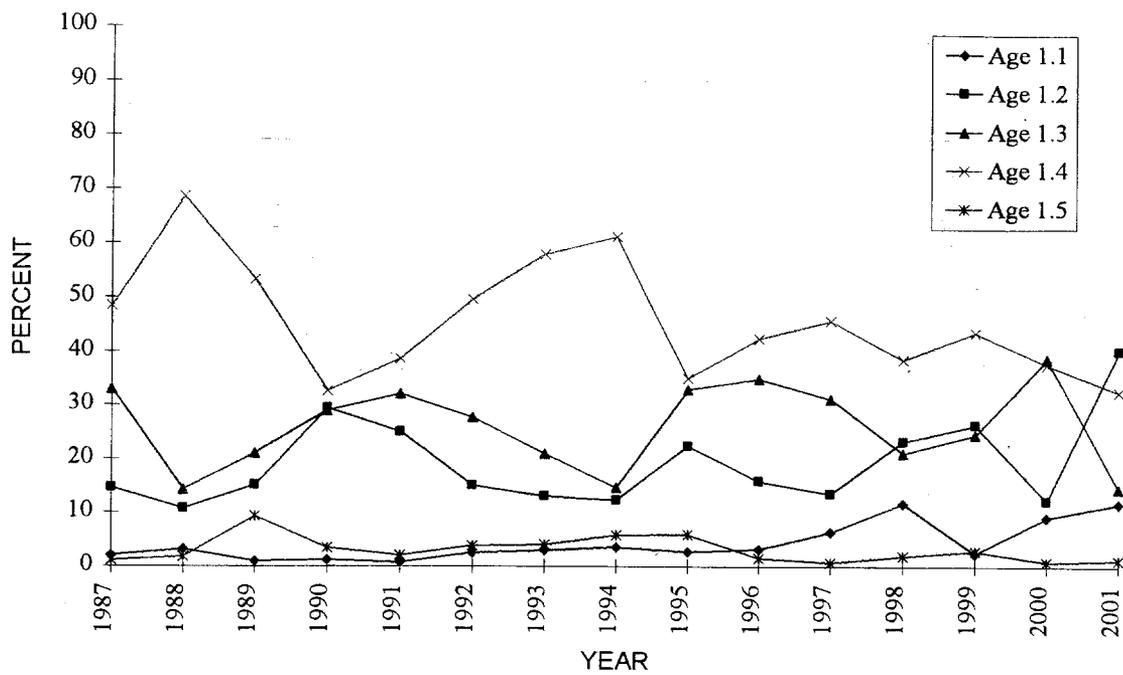


Figure 22. Age and length composition of chinook salmon harvested in the Central District, Upper Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1987 to present.

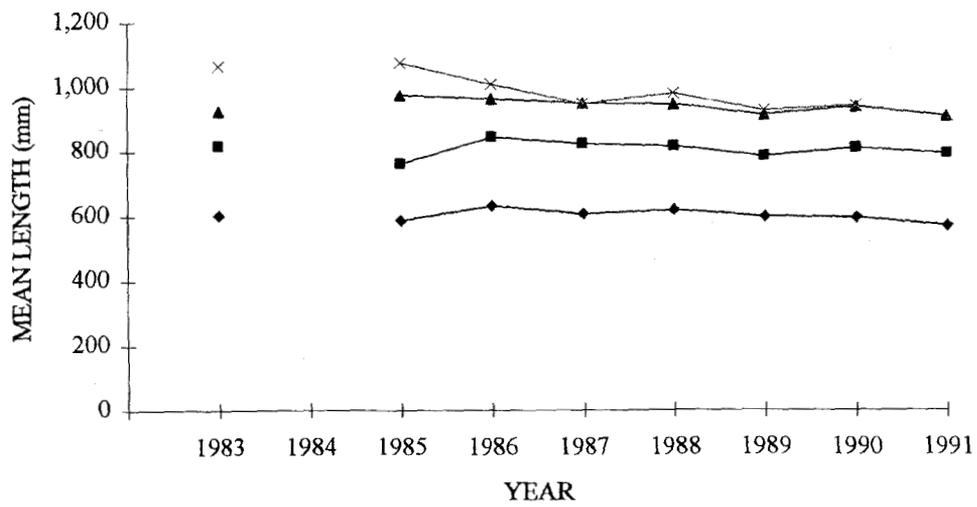
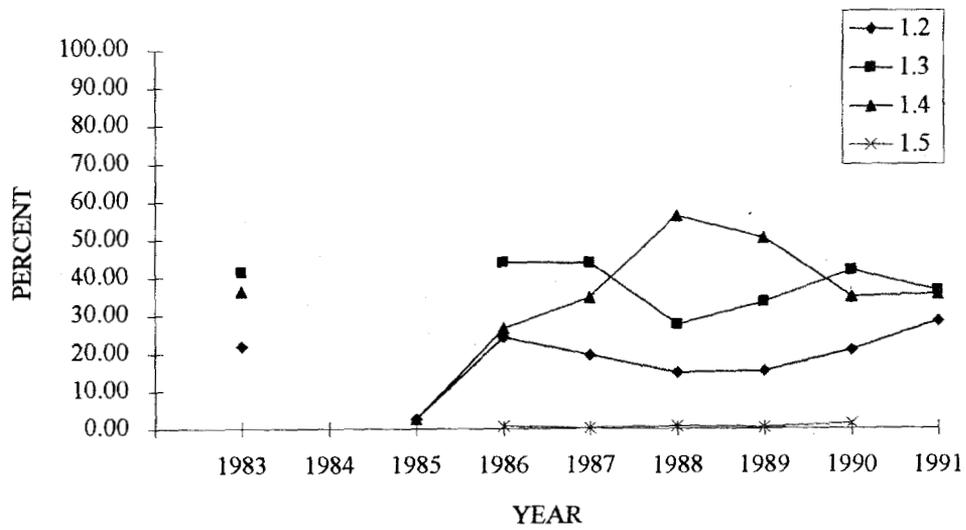


Figure 23 . Age and length composition of chinook salmon harvested in the Northern District, General Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1983-1991.

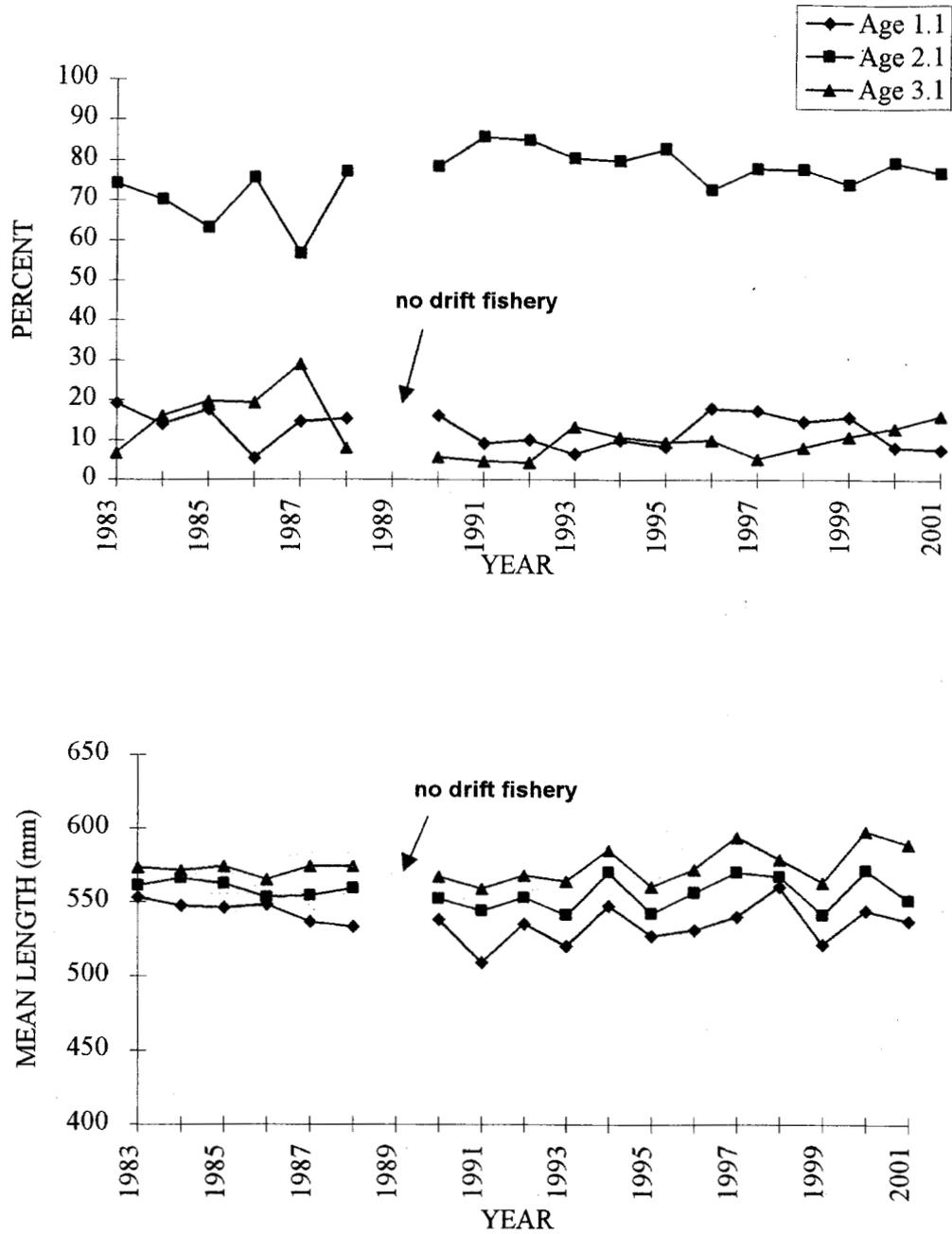


Figure 24. Age and length composition of coho salmon harvested in the Central District commercial drift gillnet fishery, Upper Cook Inlet, Alaska, 1983 to present.

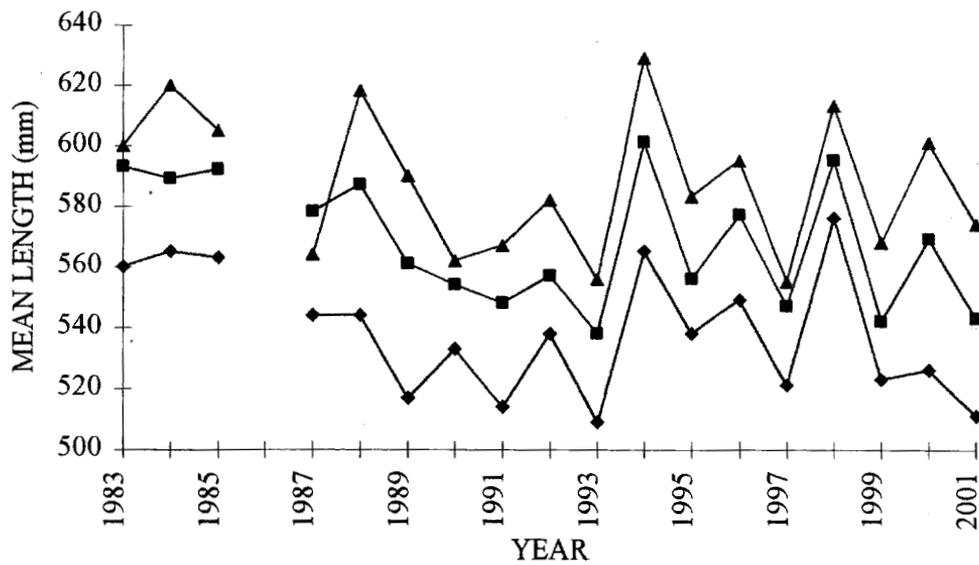
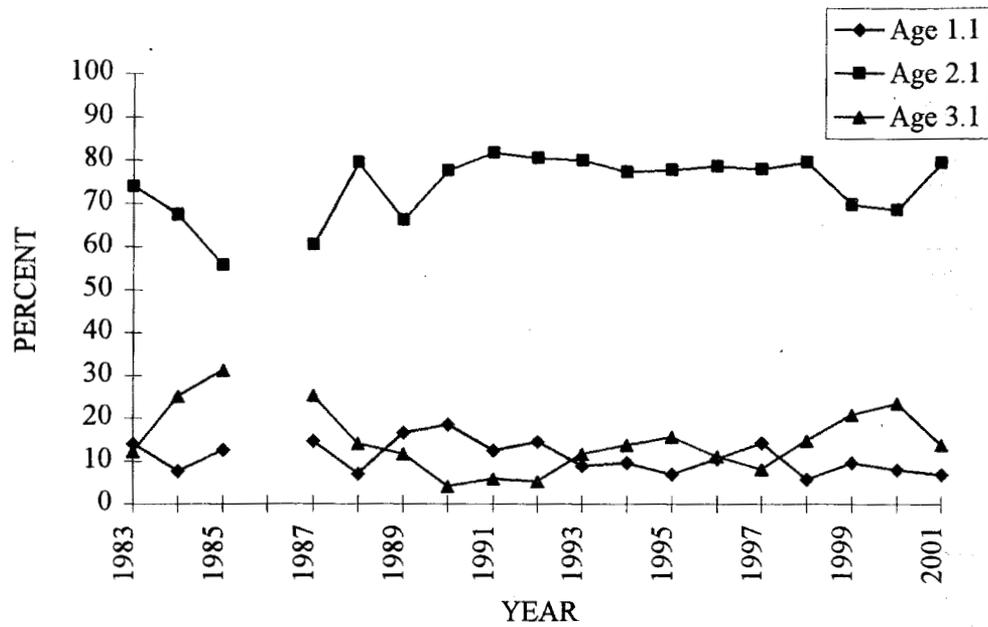


Figure 25. Age and length composition of coho salmon harvested in the Central District, Upper Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1983 to present.

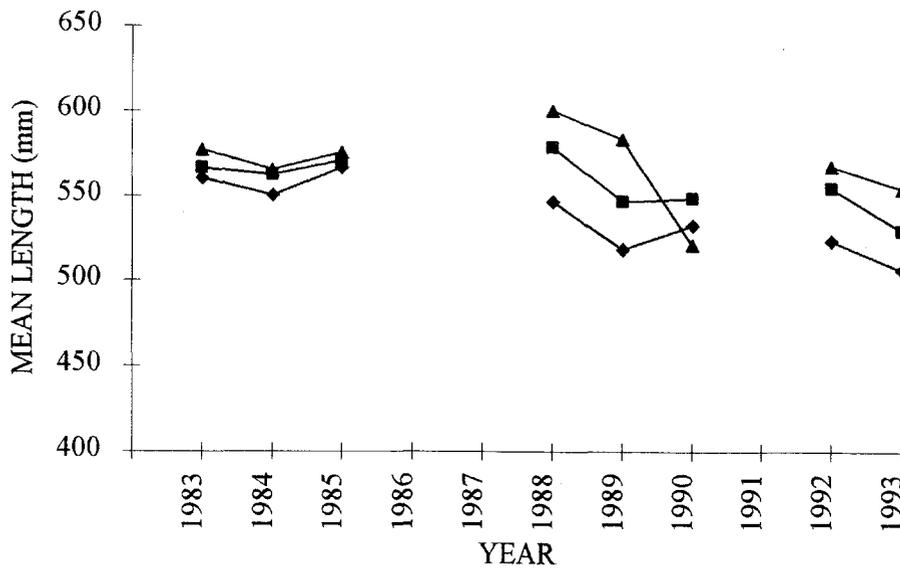
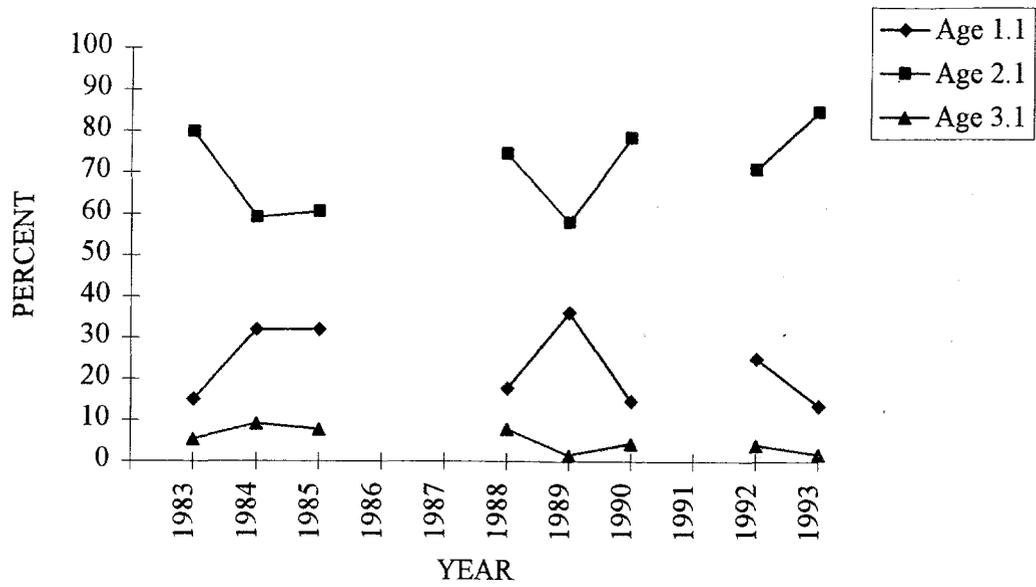


Figure 26. Age and length composition of coho salmon harvested in the Central District, Western Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1983-1993.

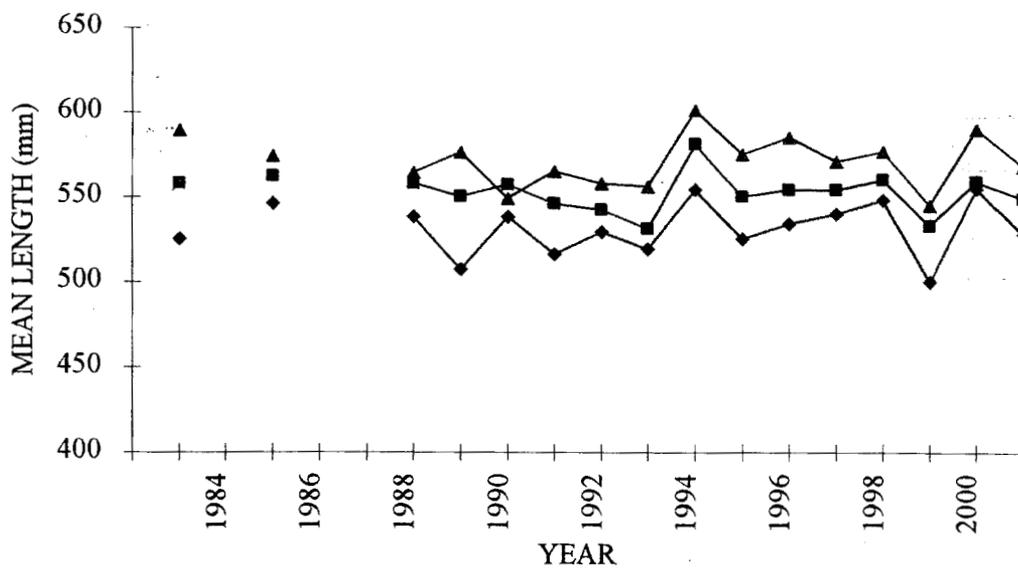
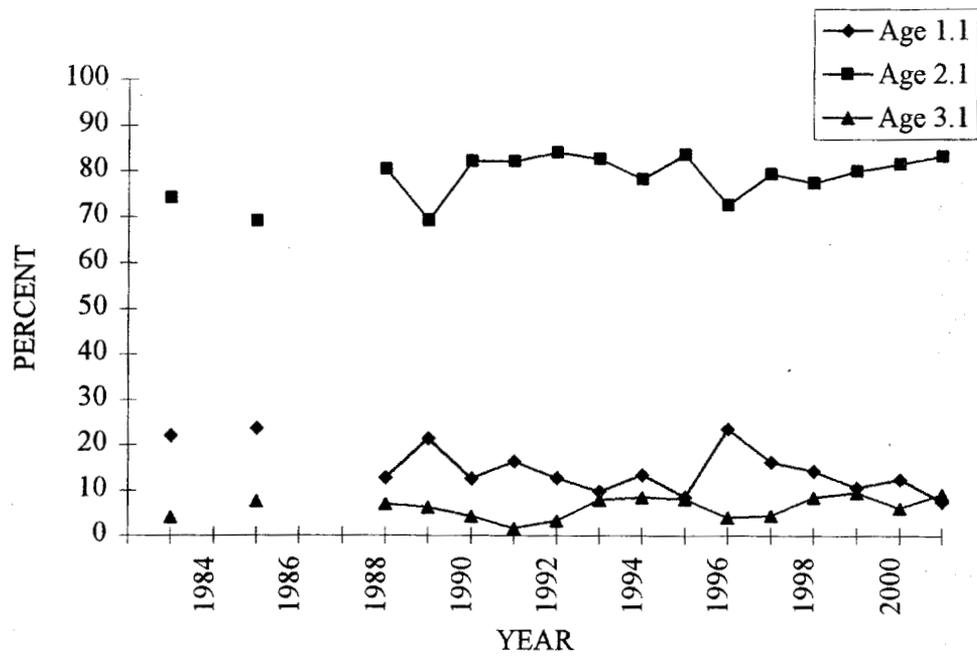


Figure 27. Age and length composition of coho salmon harvested in the Northern District, General Subdistrict commercial set gillnet fishery, Upper Cook Inlet, Alaska, 1983 to present.

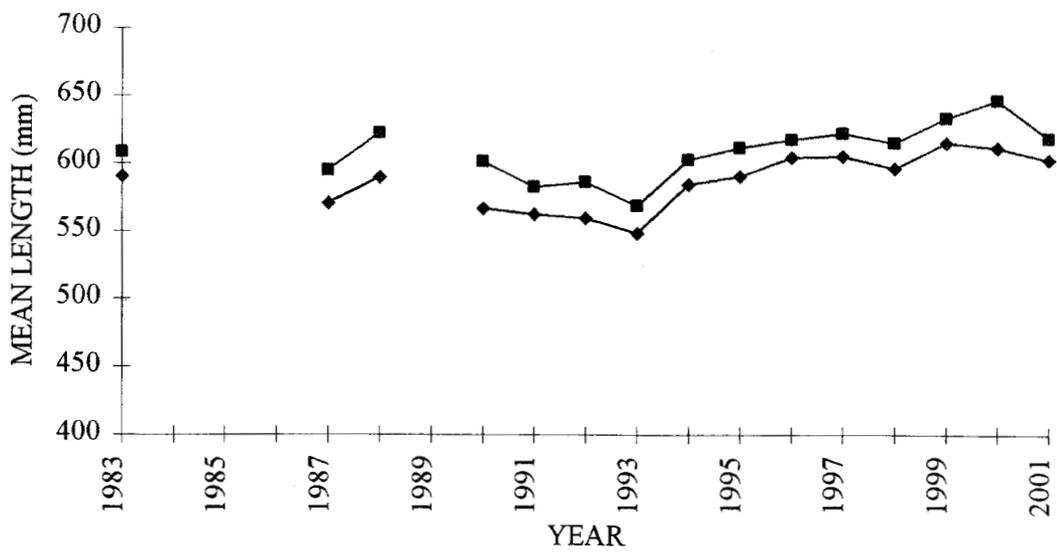
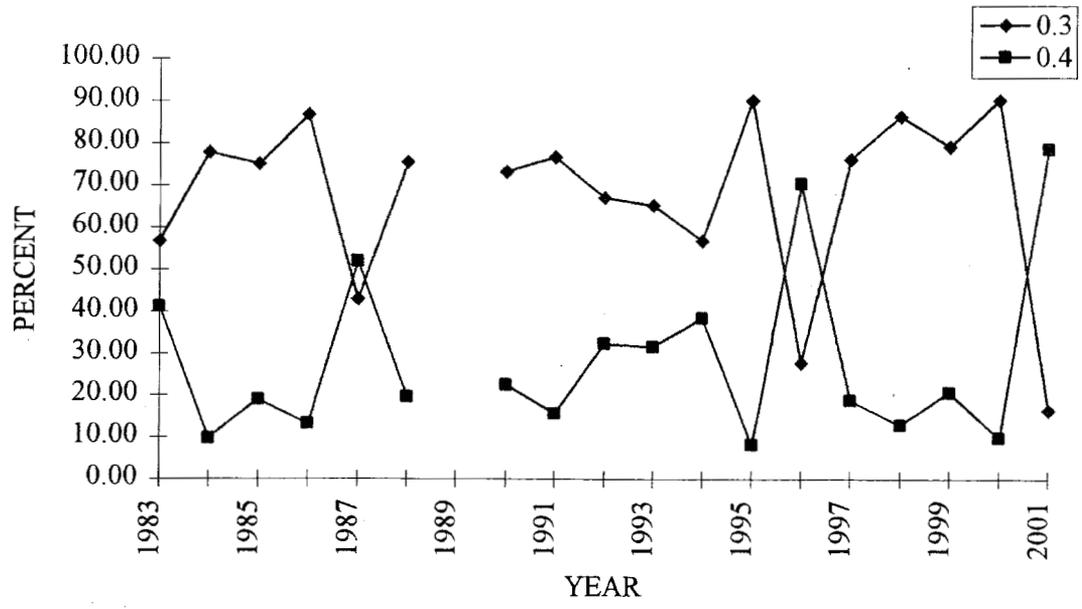


Figure 28. Age and length composition of chum salmon harvested in the Central District commercial drift gillnet fishery, Upper Cook Inlet, Alaska, 1983 to present.

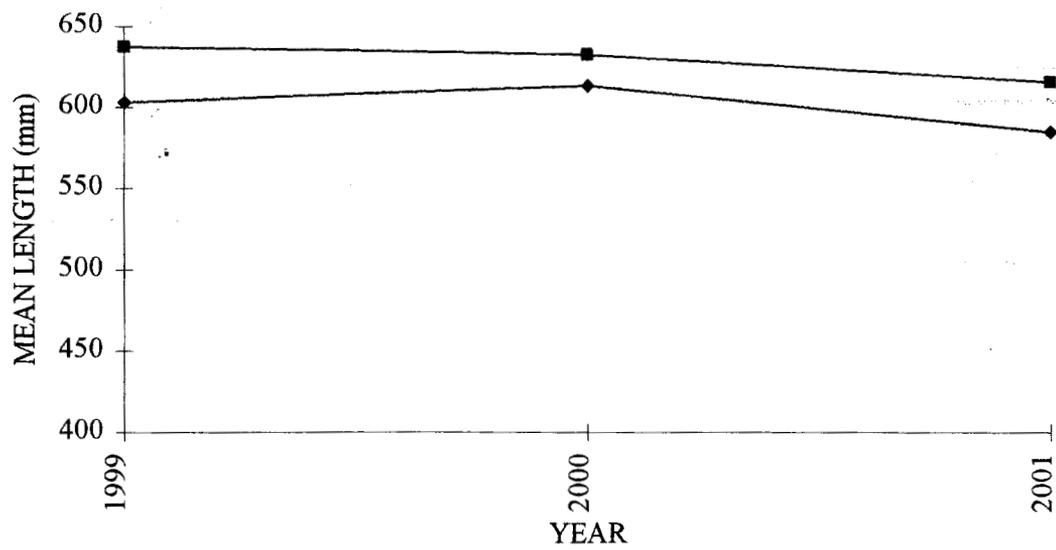
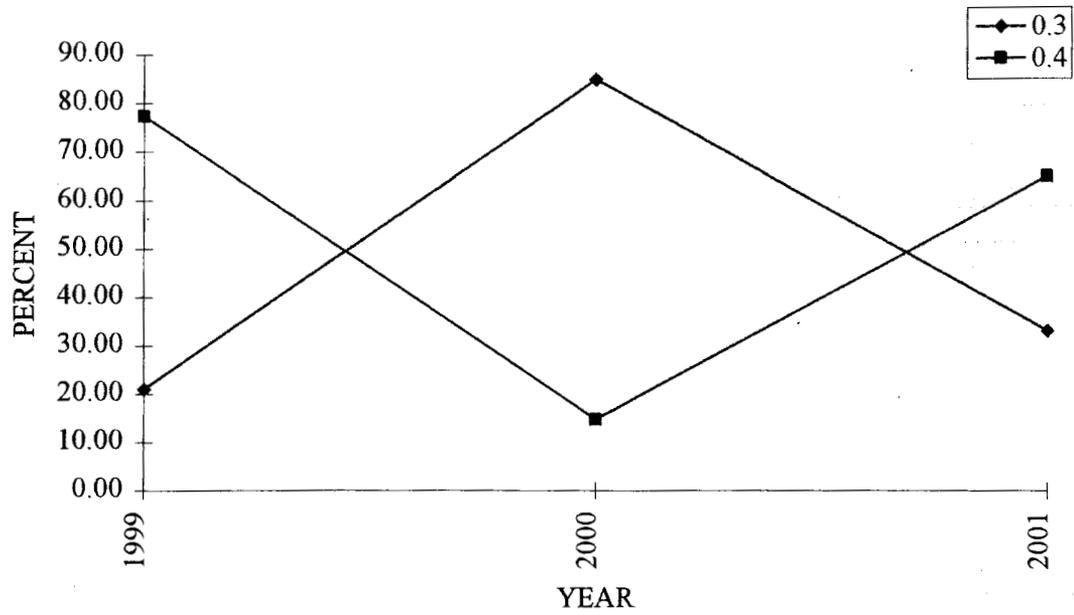


Figure 29. Age and length composition of chum salmon escapement in Little Susitna River, Northern District, Upper Cook Inlet, Alaska, 1999 to present.

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