

ALASKA DEPARTMENT OF FISH AND GAME
DIVISION OF COMMERCIAL FISHERIES

ANNUAL MANAGEMENT REPORT

1974

LOWER COOK INLET AREA

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PREFACE

The 1974 Lower Cook Inlet Management Report is the fifteenth annual volume reporting on the management activities of the Division of Commercial Fisheries staff in Cook Inlet. The Cook Inlet area was divided into two separate management areas in 1974 and separate management reports will be written for each area in the future.

A complete switch in personnel occurred in the fall of 1974, therefore, this report presents just a very brief and general summary of the various fisheries managed by the Lower Cook Inlet staff. Details of in-season decisions and management strategy are not available for the majority of the 1974 season.

Fishery data contained in this report are final and supercede information contained in previous reports. A complete and concise report with historic catch figures will be presented in the 1975 Annual Management Report.

Copies of this report may be distributed to the public only after the confidential information listed in Table 13 is removed.

Thomas R. Schroeder, Editor
Area Management Biologist
Lower Cook Inlet

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INTRODUCTION

The Cook Inlet area was divided into two separate management areas in 1974 in an attempt to meet the increasing management demands in the area. The area north of the latitude of Anchor Point is now referred to as Upper Cook Inlet and the area south of Anchor Point, north of the latitude of Cape Douglas and west of the longitude of Cape Fairfield is referred to as Lower Cook Inlet. Lower Cook Inlet is comprised of five fishing districts (Figure 1): the Southern, Outer, Eastern, Kamishak Bay and Barren Islands.

Shellfish are harvested in all five districts and salmon are harvested in all but the Barren Islands district. With the exception of razor clams, practically all of the shellfish harvest in the Cook Inlet area are from these five districts. Shellfish species include king crab, tanner crab, dungeness crab, trawl shrimp and pot shrimp. All five species of Pacific salmon are harvested in the four salmon fishing districts of Lower Cook Inlet. The primary species in their order of importance are pink, chum and sockeye salmon. Pacific herring, Pacific halibut, Pacific cod, Walleye pollock, octopus, various species of rockfish, flatfish, smelt, and snails plus a variety of other miscellaneous species are also harvested in these fishing districts. The importance of these species, except herring and halibut, to the commercial fishery at this time remains fairly insignificant.

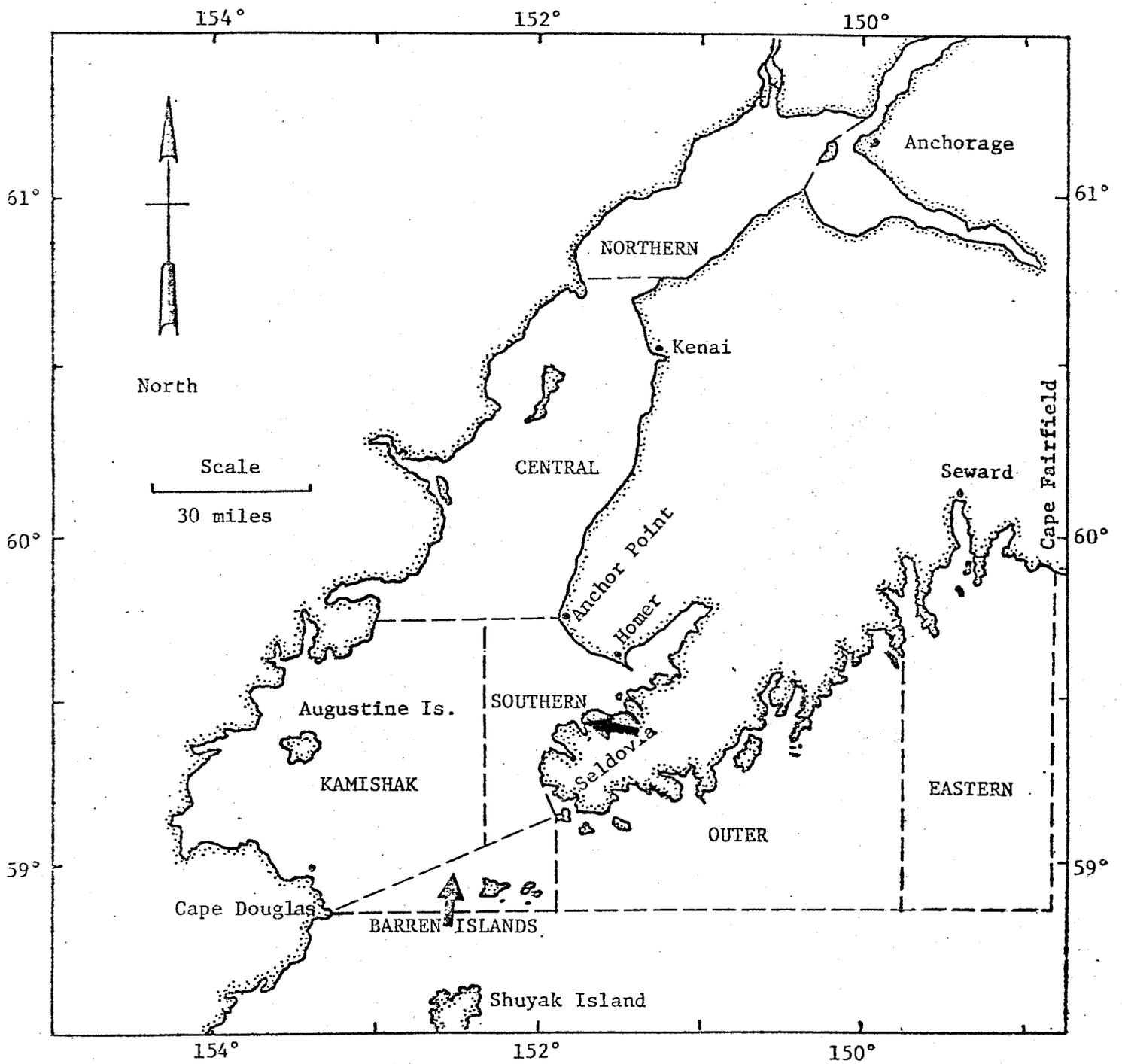


Figure 1. Cook Inlet area district location chart.

SALMON

Salmon fishing in Lower Cook Inlet is conducted with the use of two primary gear types. Purse seine gear is the most abundant gear type in the area with set gill netting being allowed in certain restricted beach areas in the Southern district. Salmon fishing for the set gill nets begins the first Monday in June during the normal weekly fishing periods from 6:00 A.M. Monday to 6:00 A.M. Wednesday and 6:00 A.M. Thursday to 6:00 A.M. Saturday. Primary target species at this time is sockeye salmon with incidental catches of king, pink and chum salmon. The pink and chum salmon catches begin to increase in late June and continue to increase throughout the month of July. Sockeye salmon catches fall off towards the early part of July.

Hand purse seine fishing in all districts is allowed only when fishing is opened by Emergency Order, except for the Kamishak Bay district, where fishing opens in early June and fishing is allowed on a five to seven day per week basis. Openings and closures for the seine fishery have been accomplished by means of Emergency Orders issued in-season as run strength warrants in various areas. Normally, the standard two, 48-hour fishing periods are allowed unless run strength warrants further adjustments. Ground surveys, weir counts and aerial surveys provide escapement data and indications of run build-up in the major fishing districts on which Emergency Orders are based during the summer.

In 1974, the pink salmon harvest of 50,600 for the Lower Cook Inlet districts was the second lowest catch on record since 1954 (Table 5). Pink salmon escapement to the nine major index streams in the Southern

and Outer districts of 40,000 fish was the second lowest on record and was less than 20 percent of the desired minimum escapement level for these nine streams (Table 4). All other systems within Lower Cook Inlet also experienced depressed salmon returns as a result of severe climatic conditions experienced in the early 1970's.

The salmon season opened with the set gill net fishery in the Southern district on June 3 and it was closed July 20, approximately one month earlier than normal. The total Southern district set gill net harvest of 44,000 salmon was comprised of 11,000 pinks, 27,000 sockeye, 2,700 chums and 3,000 cohos (Table 1). The Southern district set gill net fishing was re-opened on August 1 for one, 48-hour period and was re-opened for the regular two, 48-hour weekly fishing periods on August 8.

Only two seine openings were allowed in the Southern district the entire summer. Over 75 percent of the total pink salmon catch was taken during the first purse seine opening near Humpy Creek in the Southern district which produced 38,000 pinks (Table 3). Limited seine openings in the Outer and Eastern district produced a catch of 14,000 fish comprised of approximately 90 percent chum salmon. The Kamishak district south of Nordyke Island was open to seven-day-per week fishing on June 29. A portion of this area around McNeil River was closed on July 12 to protect chum runs headed to this area. The entire Kamishak Bay district was closed to salmon fishing on August 26 and the commercial catch of approximately 7,500 salmon was comprised of 4,600 chums and 2,900 coho (Table 1).

Table 1. Final salmon catch by species, gear, sub-statistical area and district for Lower Cook Inlet, 1974.1/

DISTRICT	SPECIES					TOTAL
	KING	RED	COHO	PINK	CHUM	
OUTER						
232-10	1	5	11	344	3,604	3,965
-21	0	0	4	44	32	80
-22	0	140	5	304	227	676
-23	0	60	0	12	1	73
-40	0	193	7	378	7	585
242-41	0	1	0	97	6,088	6,186
-42	0	0	1	499	1,972	2,472
OUTER DIST. TOTAL	1	399	28	1,678	11,931	14,037
SOUTHERN						
241-14	7	33	34	33,258	0	33,332
-15	15	2,998	295	2,172	47	5,527
-16	76	10,803	1,303	5,481	1,381	19,044
-17	2	2,271	51	3,477	250	6,051
-20	65	5,258	995	2,667	674	9,659
-30	17	5,666	376	1,820	373	8,252
Seine Total	7	33	44	37,778	12	37,874
Set Net Total	175	26,996	3,010	11,097	2,713	43,991
SOUTHERN DIST. TOTAL	182	27,029	3,054	48,875	2,725	81,865
EASTERN DIST. TOTAL ^{2/}	0	0	517	0	0	517
KAMISHAK						
243-10	0	0	782	0	19	801
-20	0	0	0	21	2,016	2,037
-60	0	0	0	0	691	691
-70	0	0	2,133	27	1,828	3,988
KAMISHAK DIST. TOTAL	0	0	2,915	48	4,554	7,517
Misc.	0	0	517	0	0	517
Seine Total	8	432	2,987	39,504	16,497	59,428
Set Net Total	175	26,996	3,010	11,097	2,713	43,991
LOWER INLET TOTAL	183	27,428	6,514	50,601	19,210	103,936
PERCENT	0.2	26.4	6.3	48.7	18.5	100.0

1/ Data source: 1974 IBM run.

2/ Salmon derby catches--no seine or gill net season.

Table 2. Final Southern district set net catches by species and statistical week, 1974. ^{1/}

WEEK	GEAR	KINGS	REDS	COHOS	PINKS	CHUMS	TOTAL
23	21	5	881	0	0	13	899
24	25	10	1,870	0	6	78	1,964
25	25	13	2,567	3	62	111	2,756
26	25	29	4,335	5	563	328	5,260
27	25	25	5,885	66	1,523	294	7,793
28	25	41	5,957	542	2,722	557	9,819
29	28	47	4,421	871	3,499	673	9,511
31	7	2	325	72	597	101	1,097
32	14	1	304	198	1,121	258	1,882
33	16	2	424	274	945	267	1,912
34	5		20	335	54	20	429
35	3		7	372	5	13	397
37	4		0	272	0	0	272
Total	32	175	26,996	3,010	11,097	2,713	43,991
Percent of Catch		0.4	61.4	6.8	25.2	6.2	100.0

^{1/} Data Source: 1974 final IBM run.

Table 3. Final seine catches by species, statistical week and district for Lower Cook Inlet, 1974. 1/

WEEK	GEAR	SPECIES					TOTAL
		KINGS	REDS	COHOS	PINKS	CHUMS	
<u>Southern district</u>							
31	25	7	33	34	36,127	12	36,213
34	2	0	0	10	1,651	0	1,661
Total	26	7	33	44	37,778	12	37,874
<u>Outer district</u>							
30	16	1	115	11	473	3,596	4,196
31	10	0	283	16	609	2,827	3,735
32	11	0	1	0	97	3,536	3,634
34	10	0	0	1	499	1,972	2,472
Total	36	1	399	28	1,678	11,931	14,037
<u>Kamishak district</u>							
27	1	0	0	0	0	10	10
28	2	0	0	0	21	2,006	2,027
31	1	0	0	0	3	158	161
32	1	0	0	34	14	490	538
33	5	0	0	2,057	10	1,659	3,726
34	5	0	0	824	0	231	1,055
Total	10	0	0	2,915	48	4,554	7,517
<u>Total All Districts</u>							
27	1	0	0	0	0	10	10
28	2	0	0	0	21	2,006	2,027
30	16	1	115	11	473	3,596	4,196
31	36	7	316	50	36,739	2,997	40,109
32	12	0	1	34	111	4,026	4,172
33	5	0	0	2,057	10	1,659	3,726
34	18	0	0	835	2,150	2,203	5,188
Total	49	8	432	2,987	39,504	16,497	59,428
Percent		0.0	0.7	5.0	66.5	27.8	100.0

1/ Data Source: 1974 final IBM run.

Table 4. Estimated pink salmon escapements in thousands of fish; Southern and Outer districts of Cook Inlet, 1964-74. 1/

YEAR	HUMPY	TUTKA	SELDOVIA	PORT GRAHAM	WINDY LEFT	WINDY RIGHT	ROCKY	PORT DICK	ISLAND CREEK	TOTAL
1964	18.52/	20.0	60.0	16.0	7.7	6.2	80.0	31.5	30.0	269.9
1965	28.0	20.0	30.0	1.5	10.0	2.0	.3	50.0	.5	142.3
1966	30.0	12.0	86.0	24.0	7.0	7.0	44.0	35.0	7.0	252.0
1967	25.0	7.0	55.0	2.0	6.0	6.0	1.0	20.0	.5	122.5
1968	24.7	7.9	53.2	24.4	6.9	2.8	43.1	29.0	4.3	196.3
1969	5.4	6.5	60.0	4.0	23.0	3.2	1.0	12.0	.1	115.2
1970	55.2	6.5	23.0	16.6	13.0	2.1	32.0	34.5	5.5	188.4
1971	45.0	16.7	31.1	13.2	35.4	13.0	1.6	97.82/	.1	253.9
1972	13.8	1.5	5.8	2.4	.4	.1	8.2	10.02/	1.7	43.9
1973	36.9	6.5	14.5	7.0	12.9	4.6	2.0	26.42/	.5	111.3
1974	17.4	2.6	13.7	2.8	.1	.1	1.5	1.52/	.5	40.2
Total	299.9	107.2	432.3	113.9	122.4	47.1	214.7	347.7	50.7	1,735.9
Average	27.3	9.7	39.3	10.4	11.1	4.8	19.5	31.6	4.6	157.8

1/ Escapement estimate derived from peak counts or calculated from counts made throughout the spawning season. When series counts were available, the total fish/days was divided by average stream life (2.5 weeks) to estimate total escapement.

2/ Weir counts.

Table 5 . Salmon catches by species for all districts in Lower Cook Inlet, 1954-1974.^{1/}

Year	Kings	Reds	Cohos	Pinks	Chums	Total
1954	1,545	39,626	15,159	270,744	265,591	592,665
1955	573	36,600	9,675	1,184,328	68,710	1,299,886
1956	333	36,306	9,345	207,920	88,218	342,122
1957	419	26,917	1,765	285,613	206,450	521,164
1958	120	19,450	1,796	949,766	124,482	1,095,614
1959	135	27,417	9,815	124,401	121,324	283,092
1960	27	14,501	2,651	599,602	116,082	732,863
1961	41	22,776	1,619	303,377	55,593	383,406
1962	60	25,286	7,727	2,248,341	141,907	2,423,321
1963	96	15,121	6,736	203,616	138,510	364,079
1964	91	20,604	9,473	1,055,417	323,333	1,408,918
1965	10	14,002	744	115,598	27,608	157,962
1966	62	14,923	5,139	579,240	129,062	728,426
1967	175	29,045	2,726	375,488	85,445	492,879
1968	64	95,242	4,883	585,441	75,134	760,764
1969	64	122,800	4,624	198,746	60,946	387,180
1970	107	21,077	4,860	574,863	223,410	824,317
1971	73	22,234	4,561	392,871	148,602	568,341
1972	88	57,897	2,234	28,663	75,543	164,425
1973	145	29,136	2,101	307,403	115,513	454,298
1974	183	27,428	6,514	50,601	19,210	103,936
21-Year Total	4,411	718,388	114,147	10,642,039	2,610,673	14,089,658
21-Year Total	210	34,209	5,436	506,764	124,318	670,936
Percent of Total	0.03	5.10	0.81	75.53	18.53	100.0

^{1/} Data Source: U.S. Fish and Wildlife Service statistical Digest #50; ADF&G final IBM runs, 1960-1974.

KING CRAB

The Lower Cook Inlet area is made up of five shellfish fishing districts that comprise three "Guideline Harvest Level" areas: (1) the Southern district; (2) the Kamishak Bay and Barren Islands districts; and (3) the Outer and Eastern districts. In 1974, the Board established new king crab guideline harvest levels for these areas: 2.0 million pounds for the Southern district which was further divided into 1.5 million pounds from August 1 to December 31 and 0.5 million pounds from January 1 to March 31. A 3.0 million pound harvest level was established for the Kamishak Bay - Barren Islands area with 0.5 million pounds for the Outer and Eastern districts.

The 1974 Cook Inlet king crab harvest of 4.6 million pounds was comprised of 1.6 million pounds from the Southern district and 3.0 million pounds from the Kamishak - Barren Islands districts. The Outer and Eastern districts accounted for only 5,712 pounds (Table 6).

The Kamishak Bay and Barren Islands districts experienced a 79 percent increase in vessels fishing this area from 14 in 1973 to 25 in 1974. The 173 landings in 1974 was up from 135 in 1973. The increase in the number of vessels caused the guideline harvest level of 3.0 million pounds to be reached in September, warranting a closure on September 20 (Table 6). The catch was comprised of 71 percent recruit and 29 percent post-recruit crab and averaged 7.3 pounds (Table 7).

The summer (Aug-Dec.) king crab fishery in the Southern district produced a harvest of 1,156,433 pounds of crab, approximately 344,000 pounds short of the guideline harvest level of 1.5 million pounds (Table 6).

Recruit crab comprised 70 percent of the catch (Table 8). The number of vessels increased from 63 in 1973 to 73 in 1974 and a 10 percent increase was noticed in the number of landings from 1,088 in 1973 to 1,180 in 1974 (Table 6).

The first year of operation for the king crab tagging and indexing program in the Southern district was 1974. In-season tag returns, indicated a 46.6 percent harvest of available legal size crab in the district (Table 8). If the 1.5 million pound harvest level had been reached, a 54 percent harvest of available legal size crab could have occurred.

The winter fishery (Jan-March) in the Southern district, unlike the summer fishery, is primarily a post-recruit fishery. In 1973, January and February catches indicated post-recruit crab were comprising 95 percent of the catch. This information coupled with the prime crab condition observed on shipboard samples in late February, prompted an announcement on February 26 to allow an additional harvest of 200,000 pounds of king crab over the guideline harvest level of 500,000 pounds.

Sampling conducted after the announcement on February 26, indicated excessive handling of large numbers of female crab and crab exhibiting soft-shell condition. The Southern district was closed to king crab fishing on March 3 with a harvest of 660,000 pounds (Table 7).

Table 6 . Cook Inlet king crab catches, number of vessels and landings by district, by month, 1974.^{1/}

Month	<u>Southern</u>			<u>Kamishak</u>			<u>Barren Islands</u>			<u>Outer^{2/}</u>			Total Catch
	Catch	Vessels	Land	Catch	Vessels	Land	Catch	Vessels	Land	Catch	Vessels	Land	
January	122,325	34	152	28,328	5	5	2,932	2	2	1,802	1	1	155,387
February	152,084	35	137	11,841	4	9							163,925
March	134,651	40	128	7,474	4	7				1,585	2	3	143,710
April				25,525	2	2				290	1	1	25,815
May													
June													
July													
August	661,378	48	399	2,192,680	29	90	120,976	5	6				2,975,034
Sept.	291,255	37	199	454,854	20	39	185,978	9	12				932,087
Oct.	51,653	35	88										51,653
Nov.	49,672	15	35							2,035	1	1	51,707
Dec.	102,475	16	42										102,475
TOTALS	1,565,493	73	1,180	2,720,702	32	153	309,886	12	20	5,712	3	6	4,601,793
Total Vessels	84												
Total Landings	1,359												

1/ Data source: 1974 final IBM run.

2/ Contains 1,802 pounds from Eastern District.

Table 7. Final king crab catches by district, by month,
for Cook Inlet, 1975 2/

<u>Month</u>	<u>Southern</u>	<u>Kamishak</u>	<u>Barren Is.</u>	<u>Outer</u>	<u>Total</u>
January	214,646				214,646
February	313,434				313,434
March	131,999				131,999
April					
May					
June					
July					
August	180	65,280			65,460
September	387,776	379,508	78,840		846,124
October	162,647	385,717	205,481		753,845
November	82,923	120,182	71,670		274,775
December	167,379	58,420	15,049	45,293	286,141
Total	1,460,984	1,009,107	371,040	45,293	2,886,424

2/ Data Source: 1975 IBM Run

Table 8. King crab commercial harvest by percent and size class in the Southern and Kamishak districts during the summer and winter fisheries of 1974 ^{1/}

Districts	New Shell 163 mm	Old Shell New Shell 163 mm 164-179 mm	Old Shell 164-179 mm All crab 180 mm
	Recruit	1st Year Post-Recruit	2nd Year & Older Post-Recruit
<u>Southern district</u>			
Summer	70.1	26.1	3.8
Winter	25.6	64.2	10.2
Kamishak district	71.5	23.5	5.0

^{1/} Weighted averages from commercial catch samples.

TANNER CRAB

The 1974 Cook Inlet tanner crab catch of 7,660,895 pounds was the second highest on record since the fishery developed in 1968. Marketing conditions resulted in several processors refusing to purchase tanner crab in December. Consequently, fishing effort was at a minimum during the latter part of the year.

The Kamishak - Barren Islands area, with a guideline harvest level of 4.5 million pounds, produced 4,640,775 pounds of tanner crab in the winter and spring of 1974 and was closed on May 3. The Southern district catch was 1,129,099 pounds with the Outer and Eastern districts contributing 1,891,021 pounds to the total catch. An increase in the number of vessels occurred from 80 in 1973 to 90 in 1974, but a 25 percent decrease was seen in the number of landings from 1,555 in 1973 to 1,162 in 1974 (Table 9).

Approximately 2,000 tanner crab were tagged in June during the 1974 king crab indexing program in Kachemak Bay. Due to the lack of a winter fishery, very few tag returns occurred.

Table 9 . Cook Inlet tanner crab catches in pounds, number of vessels and landings by district, by month, 1974.^{1/}

Month	Southern	Kamishak	Barren Is.	Outer	Eastern	Total Catch
January	233,520	9,418	6,380	43,382	79,553	372,253
Vessels	41	3	2	2	2	
Landings	184	3	2	4	4	
February	95,014	13,083		349,257	139,299	596,653
Vessels	38	4		5	3	
Landings	140	8		11	7	
March	222,613	301,834	31,061	396,104	376,150	1,327,762
Vessels	45	9	1	10	2	
Landings	209	20	1	23	4	
April	325,896	2,740,413	449,603	230,116	11,006	3,757,034
Vessels	29	31	5	5	1	
Landings	190	97	8	11	1	
May	222,779	799,973 ^{2/}	289,010	196,925		1,508,687
Vessels	33	24	10	8		
Landings	144	33	10	15		
June				69,229		69,229
July						
August						
September						
October						
November						
December	29,277					29,277
Vessels	11					
Landings	29					
TOTALS	1,129,099	3,864,721	776,054	1,285,013	606,008	7,660,895
Vessels	64	36	13	15	5	
Landings	896	161	21	68	16	

Total Vessels = 90
 Total Landings = 1,162

^{1/} Data source: 1974 final IBM run.

^{2/} Contains 1,662 pounds from the Central District.

DUNGENESS CRAB

The Cook Inlet dungeness crab fishery has exhibited extreme fluctuations in catch. Alaska market demands depend on the availability of stocks in the Oregon, Washington, and California fisheries. In 1968, a high quality stock of dungeness crab was discovered in the Bluff Point area of Kachemak Bay that competed directly with the lower west coast crab.

The 1974 harvest of 721,243 pounds was the largest on record since 1964 when 1.7 million pounds were harvested. Thirty-eight vessels participated in the fishery during 1974, a 30 percent decrease from the previous year. The boats made 619 landings, slightly below the 625 made in 1973 (Table 10).

Table 10. Cook Inlet dungeness crab catches in pounds, number of vessels, and numbers of landings by district, by month, 1974.^{1/}

Month	<u>Southern</u>			<u>Kamishak</u>			<u>Outer</u>			Total Catch
	Catch	Vessels	Land	Catch	Vessels	Land	Catch	Vessels	Land	
January	4,609	14	27							4,609
February	915	4	5	60	2	2				975
March	3,227	7	9							3,227
April	468	2	6							468
May	5,674	9	25							5,674
June	16,185	9	33							16,185
July	112,325	13	79				2,454	1	1	114,779
August	217,570	21	133							217,570
September	201,958	24	139							201,958
October	98,803	20	97							98,803
November	52,803	14	50							52,803
December	4,192	9	14							4,192
TOTALS	718,729	35	616	60	2	2	2,454	1	1	721,243

Total Vessels = 38
 Total Landings = 619

^{1/} Data source: 1974 final IBM run.

SHRIMP

Trawl Shrimp

The Cook Inlet trawl shrimp fishery was open between June 1 and March 31. The waters of Kachemak Bay in the Southern district inside a line from Anchor Point to Point Pogibski were managed on two guideline harvest level periods, June 1 - October 13, and November 1 - March 31, with a 2.5 million pound harvest being allowed during each period.

The 1974 trawl shrimp catch of 5,063,714 came primarily from Kachemak Bay. Some exploratory fishing occurred in the Kamishak, Eastern, and Outer districts. Ten vessels participated in the fishery throughout the year with four boats delivering 90 percent of the catch (Table 11).

The June 1 to October 31 trawl fishery caught 2,512,764 pounds and was closed on October 11. The November 1, 1974 to March, 1975 fishery caught 2,519,148 pounds and was closed on March 13 (Table 12).

Pot Shrimp

The 1974 Cook Inlet pot shrimp catch of 685,205 pounds was the highest on record. A slight increase occurred in the number of vessels participating in the fishery from 41 in 1973 to 44 in 1974. The number of landings made was 1,258, a 65 percent increase from 1973 (Table 11).

A good abundance of pot shrimp and a fairly steady market with increased effort caused the increase in catches during the past two years. This increased effort is due primarily to fishermen entering the fishery that were not eligible to fish salmon when limited entry came into existence.

Table 11. Cook Inlet shrimp catches in pounds, numbers of vessels and landings by month, 1974.^{1/}

Month	Trawl Catch	Number of Vessels	Landings	Pot Catch	Number of Vessels	Landings	Total Catch
January	1,209,366	7	40	61,213	17	126	1,270,579
February	156,524	3	12	48,290	14	83	204,814
March	328,332	4	16	203,161	23	269	531,493
April				259,209	27	432	259,209
May				29,992	29	98	29,992
June	437,331	3	45	17,813	5	56	455,144
July	613,168	3	49	17,217	6	49	630,385
August	478,953	3	47	8,955	5	23	487,908
September	790,173	4	55	5,210	5	18	795,383
October	193,139	3	14	8,067	5	34	201,206
November	431,827	4	41	10,898	5	31	442,725
December	424,901	4	35	15,180	6	39	440,081
TOTALS	5,063,714	9	354	685,205	44	1,258	5,748,919

^{1/} Data source: 1974 final IBM run.

* Economic value to fishermen: Trawl shrimp at \$.08 per pound = 405 thousand dollars.
Pot shrimp at \$.35 per pound = 240 thousand dollars.

Table 12. Final shrimp catches by guideline harvest level period for Kachemak Bay, Cook Inlet

<u>Year</u>	<u>Trawl Shrimp Catches</u>		<u>Pot Shrimp Catches</u>	
	<u>June 1-Oct. 31</u>	<u>Nov. 1-Mar. 31</u>	<u>June 1-Sept. 30</u> <u>(100,000 lbs.)</u>	<u>Oct. 1-May 31</u> <u>(500,000 lbs.)</u>
1969-70	1,292,651	1,692,854		
1970-71	3,211,924	2,076,228	3,606	7,602
1971-72	2,618,630	1,761,569	8,836	70,601
1972-73	2,772,422	2,109,660	75,247	184,230
1973-74	2,502,154	2,323,780	63,181	738,165
1974-75	2,512,764	2,519,148	43,650	126,472

*Data Source: Final IBM run.

Table 13. Cook Inlet-Resurrection Bay area processors and related data, 1974.

Commercial Operator	Plant Location	Product	Average price to fishermen
Alaskan Scallop Fleet, Inc. Box 7 Seward, AK 99664	Seward	Scallops	1.29 per lb.
Alaska Seafoods, Inc. Box 173 Homer, AK 99603	Homer Spit	Reds	.93 per lb.
		Cohos	.72 per lb.
		Pinks	.44 per lb.
		Chums	.54 per lb.
		Halibut	.65 per lb.
		King Crab	.45 per lb.
		Tanner Crab	.20 per lb.
		Dungeness Crab	.55 per lb.
Brinkley's Alaskan Smoked Salmon Box 77 Sterling, AK 99672	Mile 81½ Sterling Hwy.	Kings	.95 per lb.
		Reds	.95 per lb.
		Cohos	.76 per lb.
Callahan Enterprises 283 S. Park Street Anchorage, AK 99504	"Doll Finn"	Halibut	N/A
		Dungeness Crab	"
Columbia Wards Fisheries Box 5030 University Station Seattle, WA 98105	Kenai	Kings	.80 per lb.
		Reds	.80 per lb.
		Cohos	.62 per lb.
		Pinks	.40 per lb.
		Chums	.51 per lb.
Cook Inlet Processing R.L. Roper Box 48 Kenai, AK 99611	N. Kenai Rd.	Kings	.93 per lb.
		Reds	.93 per lb.
		Cohos	.68 per lb.
		Pinks	.46 per lb.
		Chums	.61 per lb.

Table 13 (cont.) Cook Inlet-Resurrection Bay area processors and related data, 1974.

Commercial Operator	Plant Location	Product	Average price to fishermen
Cossack Caviar Inc. 101 South Dakota Street Seattle, WA 98134	Clam Gulch	Cohos	N/A
		Chums	N/A
Ed's Kasilof Seafoods Box 18 Kasilof, AK 99610	Kasilof	Kings	.82 per lb.
		Reds	.88 per lb.
		Cohos	.50 per lb.
		Pinks	.45 per lb.
		Chums	.47 per lb.
Icy Sea Fisheries Ray Leonard Box 20 Kasilof, AK 99610	Kasilof	Kings	.92 per lb.
		Reds	.92 per lb.
		Cohos	.60 per lb.
		Pinks	.45 per lb.
		Chums	.56 per lb.
Keener Packing Co. S.R. #2, Box 738 Soldotna, AK 99669	Kalifonsky Beach Rd.	Kings	.80 per lb.
		Reds	.90 per lb.
		Cohos	.60 per lb.
		Pinks	.42 per lb.
		Chums	.50 per lb.
Kenai Packers 1455 N. Northlake Place Seattle, WA 98103	Kenai	Kings	.90 per lb.
		Reds	.90 per lb.
		Cohos	.65 per lb.
		Pinks	.45 per lb.
		Chums	.52 per lb.
R-Lee Seafoods, Inc. Box 3171 Kenai, AK 99611	Kenai River	Kings	.94 per lb.
		Reds	.94 per lb.
		Cohos	.68 per lb.
		Pinks	.50 per lb.
		Chums	.57 per lb.
		Halibut	.75 per lb.
		Herring (bait)	.10 per lb.
Herring (sac roe)	N/A		

Table 13 (cont.) Cook Inlet-Resurrection Bay area processors and related data, 1974.

Commercial Operator	Plant Location	Product	Average price to fishermen
Mokuhana Fisheries 2360 West Commodore Way Seattle, WA 98199	Port Graham	King Crab	.45 per lb.
Osmar's Ocean Specialties, Inc. Box 38 Clam Gulch, AK 99568	Clam Gulch	Cohos	.67 per lb.
		Pinks	.50 per lb.
		Chums	.56 per lb.
		Herring (bait)	.12 per lb.
		Halibut	.79 per lb.
		Flounder	.05 per lb.
Salamatof Seafoods, Inc. Tom Waterer Box 1045 Kenai, AK 99611	Kenai	Kings	.91 per lb.
		Reds	.92 per lb.
		Cohos	.70 per lb.
		Pinks	.48 per lb.
		Chums	.53 per lb.
Terrell Schenk & Assoc., Inc. Route 2 Kasilof, Ak 99610	Kasilof	Kings	.93 per lb.
		Reds	.93 per lb.
		Cohos	.67 per lb.
		Pinks	.50 per lb.
		Chums	.56 per lb.
Sea-Nik Foods Box 73 Ninilchik, AK 99639	Ninilchik	Kings	.91 per lb.
		Reds	.91 per lb.
		Cohos	.65 per lb.
		Pinks	.42 per lb.
		Chums	.52 per lb.

Table 13 (cont.) Cook Inlet-Resurrection Bay area processors and related data, 1974.

Commercial Operator	Plant Location	Product	Average price to fishermen
Sea Shop, Inc. SRA Box 102 Homer, AK 99603	Homer	Kings	1.05 per lb.
		Reds	.85 per lb.
		Cohos	.65 per lb.
		Pinks	.55 per lb.
		Chums	.55 per lb.
		Halibut	N/A
		King Crab	N/A
		Tanner Crab	N/A
		Dungeness Crab	N/A
		Shrimp	N/A
Seward Fisheries Box 516 Seward, AK 99664	Seward	Kings	.90 per lb.
		Reds	.91 per lb.
		Cohos	.65 per lb.
		Pinks	.48 per lb.
		Chums	.51 per lb.
		Salmon Eggs	
		Halibut	.675 per lb.
		Herring (whole)	.09 per lb.
		Herring (sac roe)	1.13 per lb.
		Herring (roe on kelp)	.60 per lb.
		King Crab	.519 per lb.
		Tanner Crab	.20 per lb.
		Dungeness Crab	.548 per lb.
Shrimp (pot)	.40 per lb.		
Scallops	N/A		
Seward Fisheries Box 172 Ninilchik, AK 99639	Ninilchik	Kings	.90 per lb.
		Reds	.91 per lb.
		Cohos	.65 per lb.
		Pinks	.45 per lb.
		Chums	.56 per lb.
		Herring (whole)	.09 per lb.
		Herring (sac roe)	1.13 per lb.

Table 13 (cont.) Cook Inlet-Resurrection Bay area processors and related data, 1974.

Commercial Operator	Plant Location	Product	Average price to fishermen
Seward Marine Services, Inc. Box 335 Seward, AK 99664	Seward	Herring (sac roe)	.09 per lb.
Wakefield Seafoods, Inc. 4215 21st Ave. West Seattle, WA 98199	Seldovia	King Crab Tanner Crab	.48 per lb. .20 per lb.
James T. Walker 6113 Winding Way Anchorage, AK 99504	Seward	Halibut Shrimp	N/A "
Western Alaska Enterprises, Inc. Suite 2020, 900 4th Avenue Seattle, WA 98164	Homer	Salmon Eggs Kings Reds Cohos Pinks Chums	
Tony B. Western SRA Box 331 Anchorage, AK 99507	Anchorage	Halibut	.70 per lb.

Table 13 (cont.) Cook Inlet-Resurrection Bay area processors and related data, 1974.

Commercial Operator	Plant Location	Product	Average price to fishermen
Whitney-Fidalgo Seafoods, Inc. Box 99008 Seattle, Washington 98109	Anchorage	Kings	.80 per lb.
		Reds	.92 per lb.
		Cohos	.66 per lb.
		Pinks	.44 per lb.
		Chums	.55 per lb.
Whitney-Fidalgo Seafoods, Inc. 2360 W. Commodore Way Seattle, Washington 98199	Homer	Halibut	.74 per lb.
		King Crab	.45 per lb.
		Dungeness Crab	.55 per lb.
Whitney-Fidalgo Seafoods, Inc. 2360 W. Commodore Way Seattle, Washington 98199	Port Graham	Herring (sac roe)	.08 per lb.

Table 14. Subsistence fishery catches by location in the Southern district of Cook Inlet, 1974.

Location	Catch by Species						Total	Did Not Fish	Fished Caught None	Permits Issued	Permits Returned
	Kings	Reds	Cohos	Pinks	Chums	Others					
Kachemak Bay			88	11	9	2	110				
Little Tutka			3	1	1		5				
McNeil Creek		2	40	5	20	10	77				
Fritz Creek		2	52	1	7		62				
East Road		2	75	3	4	8	92				
Green Timbers		10	16		3	6	35				
Neptune Bay			10	1			11				
Eldred Passage			1	5			6				
Homer Spit			4				4				
Halibut Cove			29	13			42				
Millers Landing			17		1	1	19				
Mud Bay			41	3	32		76				
TOTAL:		16	376	43	77	27	539	66	13	147	118

Table 15. Subsistence fishery catches for the Southern district of Cook Inlet 1969-1974 ^{1/}.

YEAR	ISSUED	RETURNED	PERMITS NOT FISHED	PERCENT	KING	RED	COHO	PINK	CHUM	OTHER	TOTAL
1969	47	44	9	93.6	0	9	752	38	0	17	816
1970	78	73	18	93.6	0	12	1,179	143	13	39	1,386
1971	112	95	42	84.8	2	16	1,549	44	7	20	1,638
1972	135	105	41	77.8	1	11	975	48	69	19	1,123
1973	143	128	46	89.5	0	18	1,304	84	40	9	1,455
1974	147	118	66	80.3	0	16	376	43	77	27	539
Total	662	563	222		3	82	6,135	400	206	131	6,957
Average	110	94	37	86.6	1	14	1,023	67	34	22	1,160

^{1/} Subsistence fishery occurred in Resurrection Bay in 1970-72 with a total catch of 202 salmon of which 92 percent were red salmon.

LITERATURE CITED

Alaska Department of Fish and Game, Final IBM run, 1974.

U.S. Fish and Wildlife Service Statistical Digest, No. 50.