

Informational Leaflet **137**

COMPOSITION OF KODIAK AREA COMMERCIAL KING CRAB CATCH

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COMPOSITION OF KODIAK AREA COMMERCIAL
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by

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INTRODUCTION

It is becoming increasingly apparent that the establishment and maintenance of annual trends in commercial catch composition are necessary tools for management of a king crab fishery. This report represents an initial effort to establish and more fully utilize size and recruitment trends through analysis of the numerous catch composition samples obtained by Alaska Department of Fish and Game research, protection, and management personnel.

The primary objectives in this report are to present the 1960-1969 Kodiak Area king crab catch composition data in tabular and graphic forms and to discuss those trends revealed by their analysis. Another objective is to present these data as a source of reference for future and possibly more detailed analyses of catch-composition trends.

King crab catch-composition sampling has been conducted by the Alaska Department of Fish and Game since 1960. Although individual sample size and sampling intensities have varied considerably due to refinements in sampling techniques and limited personnel, data obtained from these samples are compatible. Possibly the most important outcome of this initial analysis is the compilation of available information in a uniform manner and the provision of parameters from which to design computer programs for future analyses.

Aspects of the Kodiak Area king crab fishery

Regulations require that only male king crab with a carapace width of 7 inches or greater may be harvested by the commercial fishery. The minimum legal carapace width prior to 1949 was 5-3/4 inches. This minimum size limit was increased in 1949 to 6-1/2 inches, and in 1962 to 7 inches where it has remained to the present time. Legal gear for commercially fishing king crab in the Kodiak Area has been restricted to the king crab pot since 1960. All catch composition data in this report are from commercial catches caught with this type of fishing gear.

Aspects of king crab biology

Because the majority of king crab molting occurs during April, trends in catch composition, catch per unit effort, and total catch are analyzed on the basis of the "fishing year" (May-April). Determination of these trends on this basis more accurately reflects fluctuations in relative and actual abundance of the various size and exoskeletal age groups following each molting period than would these same determinations made on the basis of the calendar year. Since legal-size crab molt no more frequently than once a year (during April), no growth will occur in the commercial segments of the stocks between the completion of one molting period and the onset of the next. Analysis of catch composition data by fishing year, therefore, has the advantage of insuring that the carapace length and exoskeletal age of individual crabs will not change during a given fishing year. This permits grouping of those samples taken during a single fishing year.

It has been shown by Powell (1967) that male king crabs molt annually at 6, 7, and 8 years of age. Powell has shown further that male king crabs attain legal size between 7 and 8 years of age (145 mm carapace length). Beginning at 8 years of age, male crabs show an increasing tendency to skip annual molts (anexuviate). Powell found that essentially all sexually-mature male crabs less than 143 mm in carapace length molted annually, that 91% with carapace lengths between 143 and 149 mm molted annually, and that average length at first anexuviation in the Kodiak Area was 158 mm. While the significance, if any, of fluctuations between fishing years in proportions of exuviant and anexuviant king crabs is not known at present, it is necessary in obtaining catch composition data to differentiate between anexuviant crab and exuviant crab (those crab which molted during the preceeding molt) in order to determine the abundance of each incoming age group.

A prime consideration in the analysis of catch composition trends is the determination of annual fluctuations in relative and actual contribution to successive commercial catches of that age group of crabs which attained legal size during the preceeding April molting period and is available for the first year to the commercial fishery. Individuals in this age group are referred to as recruits. Recruit crabs are defined as those exuviant crabs with carapace lengths of between 145 mm (corresponding to 7 inches carapace width) and 164 mm. This upper limit was defined by Nickerson, et al., (1966) as the maximum carapace length above 145 mm attainable in a single molt by a male crab which was sublegal (less than 145 mm carapace length) prior to molting. As Kodiak Area commercial catches have fluctuated from 1,902,952 crabs in Fishing Year 1960-1961 to 11,222,187 crabs in Fishing Year 1965-1966, it is necessary to consider the actual as well as relative contribution of each recruit age group to the commercial catch of each fishing year.

Powell (1965) defined the existence of 6 groups or stocks of king crab in the Kodiak Area. Delineation of these stocks was made on the basis of migration patterns as determined from various tagging studies. The crabs in each of these stocks are to be considered as groups which generally do not intermingle with those from other stocks, and not as discrete biological populations. These stocks are used by personnel involved in research and management of the king crab fishery as categories in which to analyze information derived from their various programs. Catch per unit effort, total catch, and catch composition data are analyzed in respect to these stocks.

METHODS

As stated earlier, sample size and intensities of sampling in respect to area fished have varied considerably since 1960. Sampling plans prior to May, 1965, did not limit individual sample size. Sizes of individual samples during this period ranged from 30 to 800 crabs. In May, 1965, the sample size was fixed at 100 crabs per sample where it remained until April, 1967. Sample size was reduced at this time to 50 crabs per sample. Present sampling plans call for a sample size of 50 crabs. Sampling plans in past years have defined no scheme by which a given number of samples were to be obtained in relation to fishing effort, time and/or fishing location. Samples were merely obtained as time permitted and from as many areas as possible.

Catch composition data has, for the most part, been obtained from the commercial catches as they were being unloaded from vessels at the various processing locations. In some cases, samples were taken aboard vessels during the fishing operation. The number of crabs to be sampled are randomly selected from a single unloading bucket. The carapace length of each crab in the sample is then measured to the nearest millimeter and recorded in respect to exoskeletal age. Methods of carapace length measurement and exoskeletal age determination are described by Powell (1967). Exoskeletal age determinations were made according to the system utilized by Weber and Miyahara (1962). More than one sample is taken from a single delivery whenever possible. In these cases, each individual sample is given a consecutive sub-sample number.

In this analysis, catch composition samples obtained in the Kodiak Area since May, 1960, are grouped by fishing year and stock. Sampling data from Stocks 1, 2, and 3 are considered separately, and samples from Stocks 4, 5, and 6 are grouped together as the small amount of fishing effort in these Stocks is confined to bays and near-shore areas. Catch per unit effort and total catch data are grouped for analysis in this same manner. As sampling data from Portlock Bank, an isolated offshore shallow area, indicate a considerably different catch composition from that in the remainder of Stock 1, data from this are considered separately. Separation of Portlock Bank is not to imply that this area is considered a separate stock. Portlock Bank is considered separately because the catch composition from this area differs greatly from the remainder of Stock 1.^{1/} Commercial king crab fishing on the Portlock Bank did not start until 1966. Delineation of these areas can be seen in Figure 1.

The Kodiak Area commercial king crab fishery has utilized generally the same fishing grounds since 1960 with the exception of Stock 3 and Portlock Bank. Fishing effort in Stock 3 has gradually shifted since 1960 from a primarily near-shore fishery concentrated in Alitak Bay and southeast Shelikof Straits seaward to Chirikof and Semidi Islands. In view of this offshore expansion of fishing effort in Stock 3, total catch and recruitment data from this area are analyzed in terms of environmental zones. These environmental zones, delineated in Figure 8, are based on depth and distance from shore. A description of these environmental zones is shown in Appendix Table 11.

^{1/} Portlock Bank was closed to taking all exuviant king crabs during May and June of 1967. Catch composition samples taken from this area during these months have been omitted from this analysis.

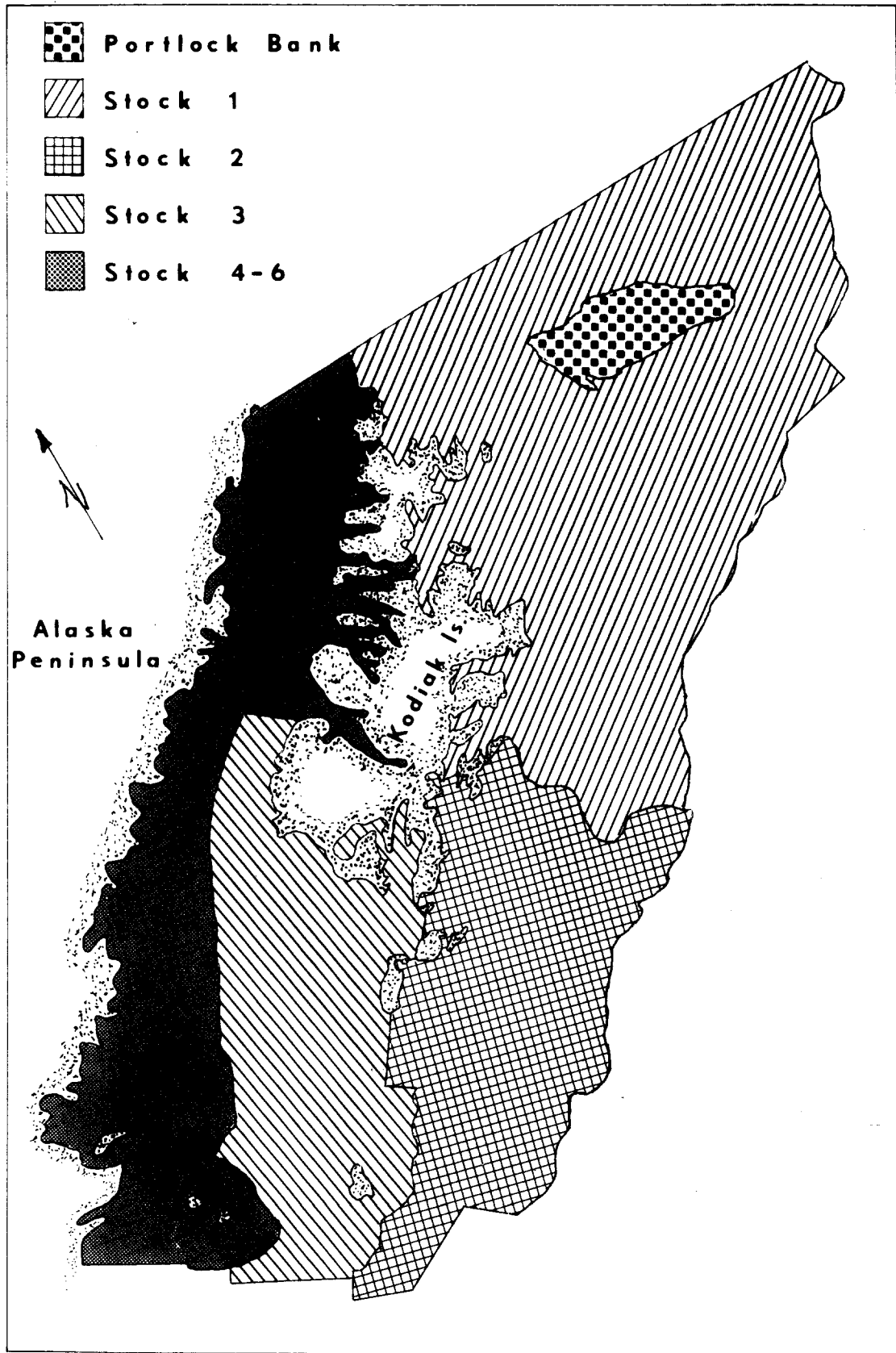


Figure 1.--Delineation of king crab stocks and Portlock Bank.

Based on the 1960-1969 catch composition sampling data, carapace length-frequency profiles of each stock and Portlock Bank were constructed by fishing year. These profiles show the percentage composition in the total sample of exuviant and anexuviant crabs by two-millimeter increments of carapace length. Graphic representations of these data are shown in Figures 2-6. These data, as well as those showing estimations of total crab caught in the commercial fishery by two-millimeter size increments, are shown in tabular form in Appendix Tables 1-9. Estimations of the actual contribution of each recruit age group to successive commercial catches were obtained by multiplying the percentage of recruit crabs from a given area and fishing year by the number of crabs in the commercial catch in that area and fishing year. A summation of these data, including mean carapace lengths by fishing year, stock and exoskeletal age, is shown in Table 1.

RESULTS

Mean carapace length

Available data comparing commercial catch compositions of Stocks 1, 2, 4-6 and Portlock Bank between fishing years, indicate no distinct trends in the fluctuations of mean carapace length. Sampling indicates a marked reduction in the mean carapace length of commercial catches from all areas in Fishing Year 1968-1969. Comparison of catch composition profiles of each stock and Portlock Bank between fishing years indicates that the mean carapace length of the Fishing Year 1968-1969 commercial catch from each of these areas was less than that in any preceding fishing year sampled (Figures 2 - 7). Sampling indicates that mean carapace lengths of Fishing Year 1968-1969 commercial catches from the two most heavily-harvested stocks (2 and 3) were within the recruit size range. Although the mean carapace lengths of Fishing Year 1968-1969 commercial catches from Portlock Bank and Stock 1 were above the recruit size range, they were below those found in these areas during all preceding fishing years sampled. The mean carapace length of Fishing Year 1968-1969 commercial catches from Stocks 4-6, in addition to being 4.5 mm less than that found in this area during any preceding fishing year sampled, was within the size range for recruit crabs (Figure 7, Table 1).

Comparison between fishing years of Stock 3 commercial catch composition indicates a gradual increase in mean carapace length from 159.6 mm in Fishing Year 1961-1962 to 166.4 mm in Fishing Year 1967-1968 (Figure 7D). As mentioned earlier, fishing effort in this Stock shifted from a near-shore fishery in 1960-1963 to offshore areas

Table I. Summary of king crab commercial catch composition sampling in Kodiak Area, 1960-1969.

Fishing Year	Stock	Commercial catch (no.)	Total crab sampled	Exuvians			Anexuvians			Summary	
				Percent of total sample	Mean carapace length (mm)	Recruits Percent of total sample	Est. no. in comm. catch	Percent of total sample	Mean carapace length (mm)	Mean carapace length (mm)	Percentage of annual comm. catch (no.)
1960-1961	2	642,595	907	58.21	177.7	12.21	78,461	41.79	185.4	180.9	33.77
	3	800,300	168	14.29	168.8	5.36	42,896	85.71	172.2	171.7	42.06
1961-1962	2	874,240	2,117	78.13	165.2	29.97	262,007	21.87	174.5	167.2	26.36
	3	1,184,045	2,791	81.08	157.4	39.35	465,922	18.92	168.8	159.6	35.70
	4-6	741,781	2,160	84.72	163.6	36.47	270,559	15.28	162.2	164.7	22.37
1962-1963	3	1,366,089	391	51.41	156.0	25.83	352,861	48.59	162.8	159.3	34.68
1963-1964	2	1,361,247	9,930	84.14	171.3	23.54	320,440	15.86	171.6	171.3	31.16
	3	734,580	4,611	86.55	160.2	50.87	373,679	13.45	165.9	161.0	16.81
	4-6	512,998	871	56.37	160.7	32.83	168,417	43.63	173.3	166.2	11.74
1964-1965	1	1,370,985	798	91.23	175.2	23.30	319,439	8.77	182.6	175.9	28.37
	2	2,668,853	1,555	85.14	160.7	58.99	1,574,356	14.86	171.1	162.2	55.22
	3	447,966	1,275	88.39	160.1	63.76	285,624	11.61	170.3	161.3	9.27
	4-6	345,240	568	88.03	167.4	38.04	131,329	11.97	173.4	168.2	7.14
1965-1966	1	2,371,524	3,002	89.29	172.2	24.27	575,569	10.71	172.5	172.2	21.13
	2	7,118,245	5,300	89.01	166.5	36.31	2,584,635	10.99	163.8	166.2	63.43
	3	1,512,046	1,473	78.01	161.7	47.13	712,630	21.99	162.9	162.0	13.47
	4-6	220,372	212	69.38	164.3	42.95	94,649	30.62	169.8	166.0	1.97
1966-1967	P.B. ^{1/}	92,803	100	87.00	187.4	0.00	-0-	13.00	192.2	188.0	1.10
	1	1,383,201	1,001	68.20	173.7	18.30	253,123	31.80	174.8	174.0	16.44
	2	4,646,920	4,099	84.17	168.1	30.93	1,437,293	15.83	165.5	167.7	55.22
	3	1,918,684	2,100	70.24	165.0	33.15	636,044	29.76	165.0	165.0	22.80
	4-6	373,905	300	83.32	176.3	12.33	46,102	16.68	176.8	176.4	4.44
1967-1968	P.B. ^{1/}	137,809	99	61.61	187.8	2.02	2,784	38.39	190.3	188.8	2.66
	1	879,835	148	72.27	175.5	19.60	172,449	27.73	187.2	178.7	16.99
	2	1,078,428	600	58.50	163.1	32.50	350,490	41.50	168.5	165.3	20.82
	3	2,597,986	2,000	69.35	165.9	29.55	767,705	30.65	167.4	166.4	50.15
1968-1969 ^{2/}	P.B. ^{1/}	38,886	506	60.48	161.7	39.09	15,199	39.52	179.0	168.6	1.63
	1	537,457	1,050	80.46	163.2	53.71	288,830	19.54	183.0	167.0	22.56
	2	578,980	1,943	85.07	159.2	62.23	360,299	14.93	167.7	160.5	24.30
	3	889,141	798	82.57	157.6	63.89	568,075	17.43	165.3	158.9	37.31
	4-6	338,464	650	88.59	159.5	63.59	215,230	11.41	165.9	160.2	14.20

^{1/} Portlock Bank.^{2/} Fishing Year 1968-1969 catches are preliminary and subject to minor changes.

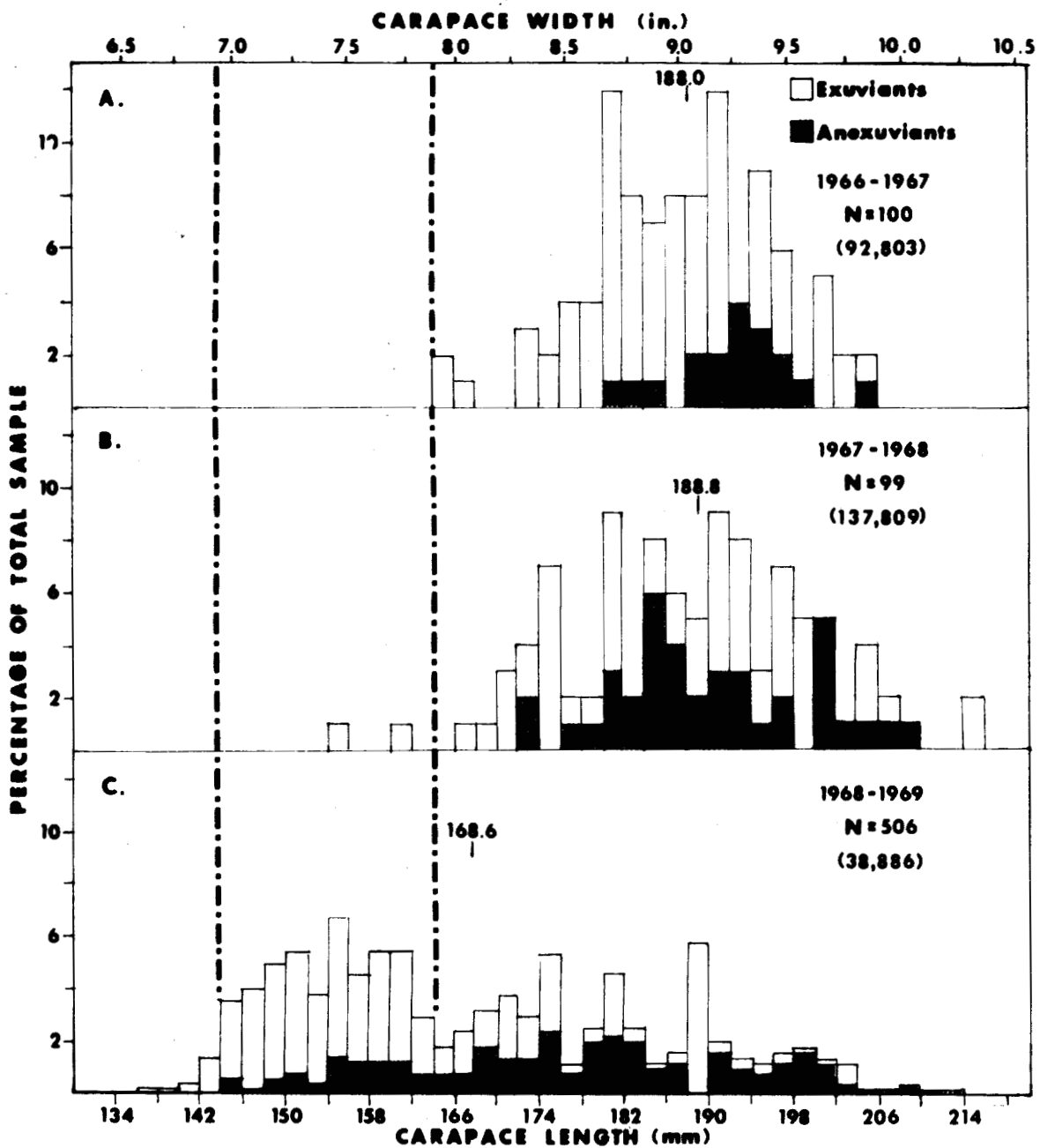


FIGURE 2.--Carapace size frequency distributions of king crabs sampled from the commercial Pertlock Bank catch, Kodiak Area, 1966-1969. Histograms represent carapace length-frequencies with the corresponding commercial measurements of carapace width presented on upper scale. Mean lengths are shown for individual histograms. Commercial catch of crabs shown in parenthesis.

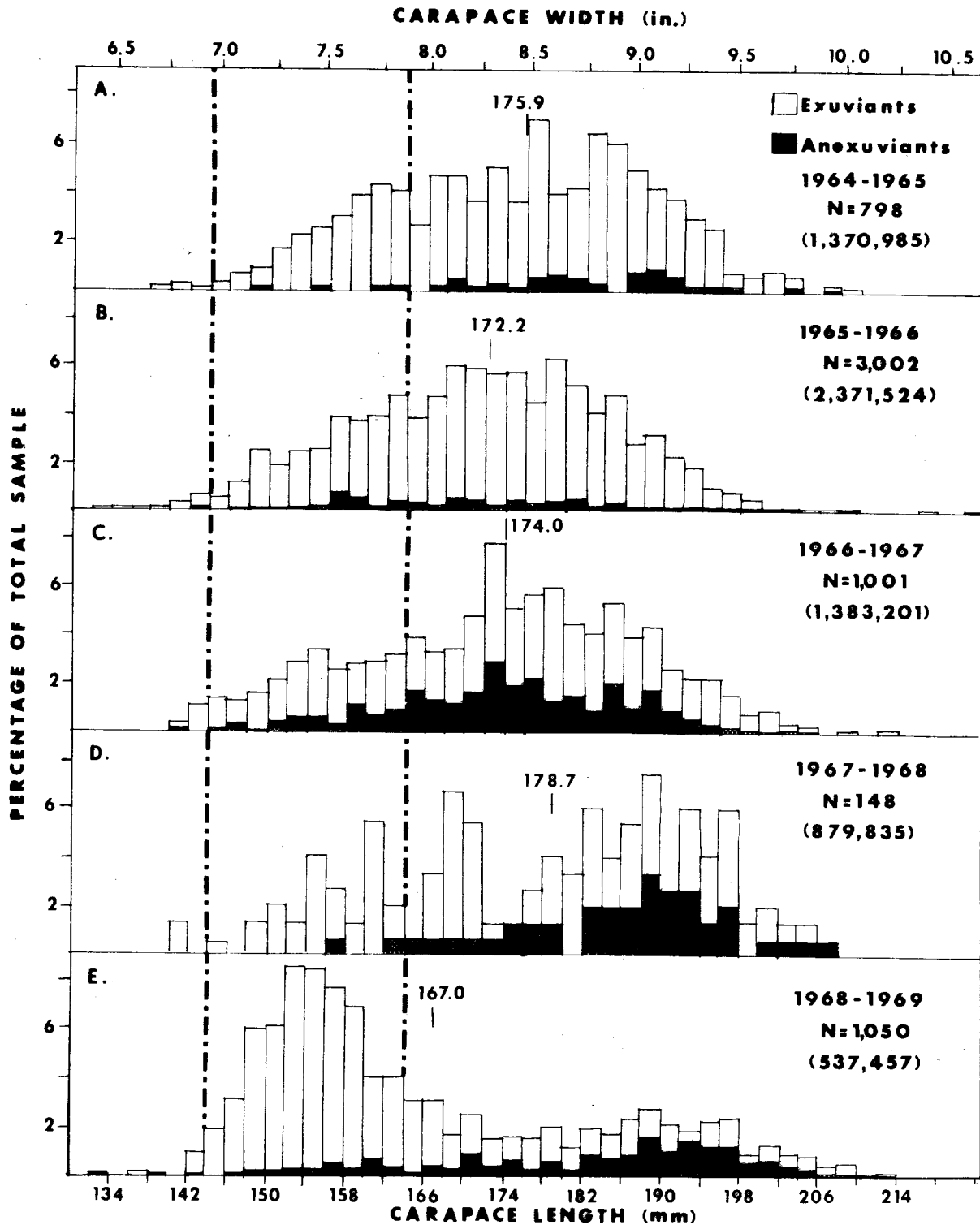


FIGURE 3.--Carapace size frequency distributions of king crabs sampled from the commercial Stock 1 catch, Kodiak Area, 1964-1969. Histograms represent carapace length-frequencies with the corresponding commercial measurements of carapace width presented on upper scale. Mean lengths are shown for individual histograms. Commercial catch of crabs shown in parenthesis.

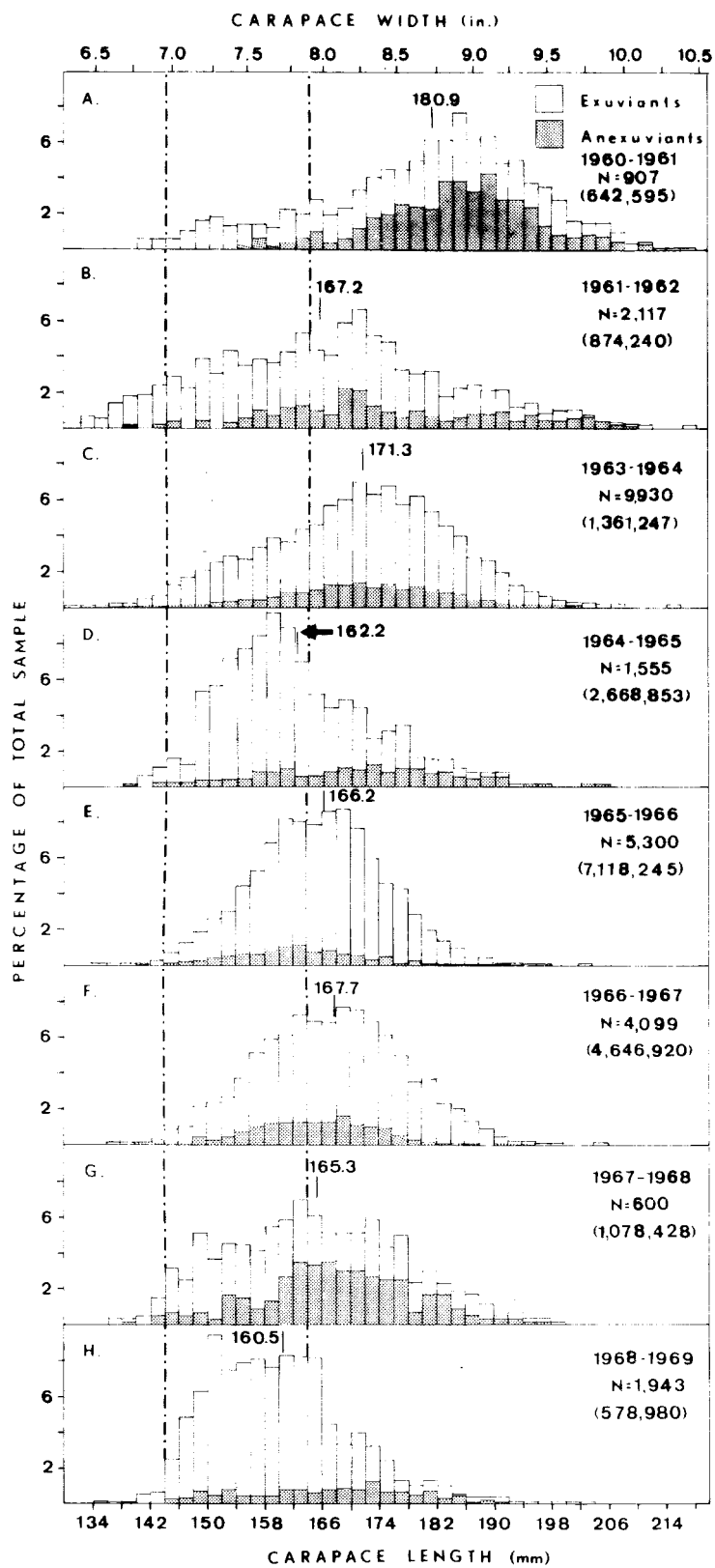


FIGURE 4.--Carapace size frequency distributions of king crabs sampled from the commercial Stock 2 catch, Kodiak Area, 1961-1969. Histograms represent carapace length-frequencies with the corresponding commercial measurements of carapace width presented on upper scale. Mean lengths are shown for individual histograms. Commercial catch of crabs shown in parenthesis.

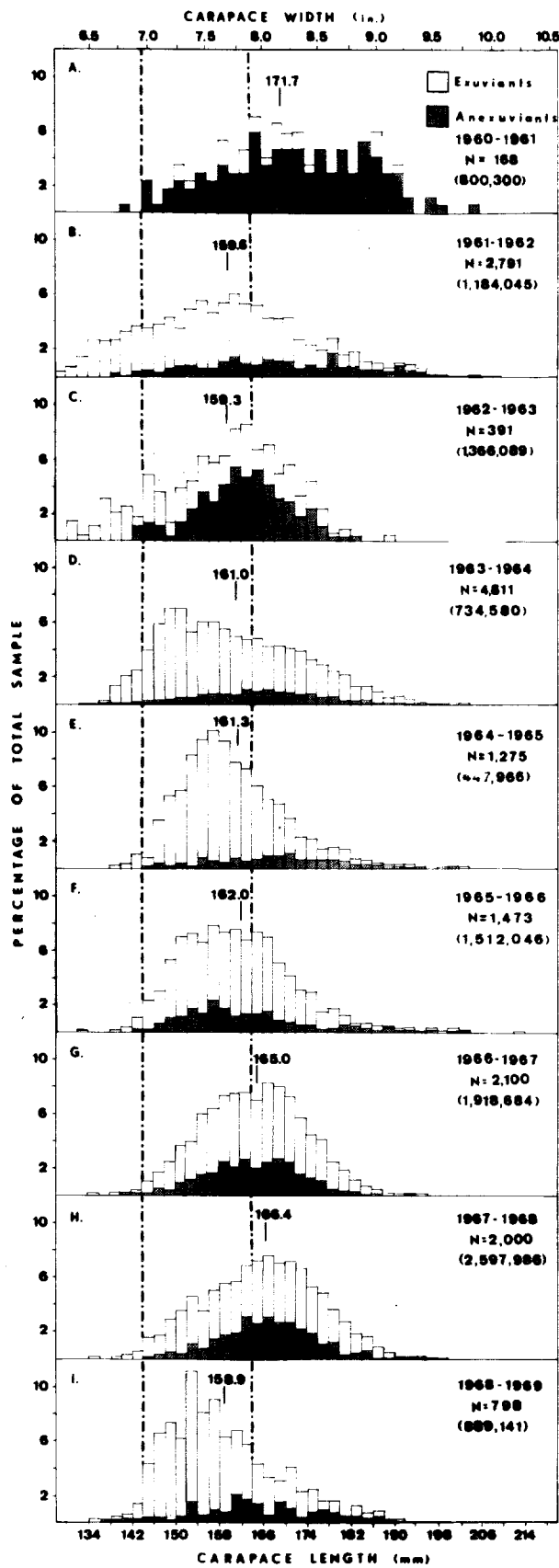


FIGURE 5.--Carapace size frequency distributions of king crabs sampled from the commercial Stock 3 catch, Kodiak Area, 1960-1969. Histograms represent carapace length-frequencies with the corresponding commercial measurements of carapace width presented on upper scale. Mean lengths are shown for individual histograms. Commercial catch of crabs shown in parenthesis.

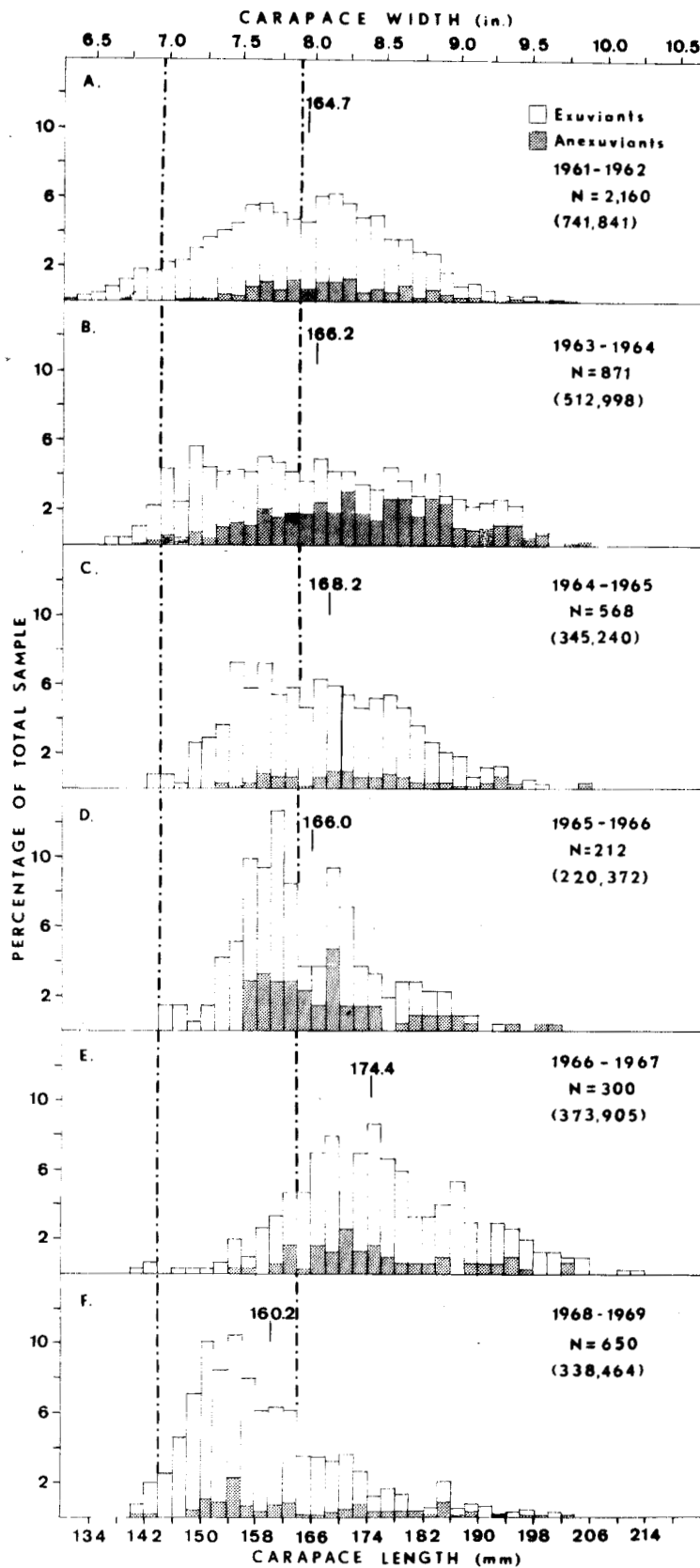


FIGURE 6.--Carapace size frequency distributions of king crabs sampled from the commercial catches of Stocks 4-6, Kodiak Area, 1961-1969. Histograms represent carapace length-frequencies with the corresponding commercial measurements of carapace width presented on upper scale. Mean lengths are shown for individual histograms. Commercial catch of crabs shown in parenthesis.

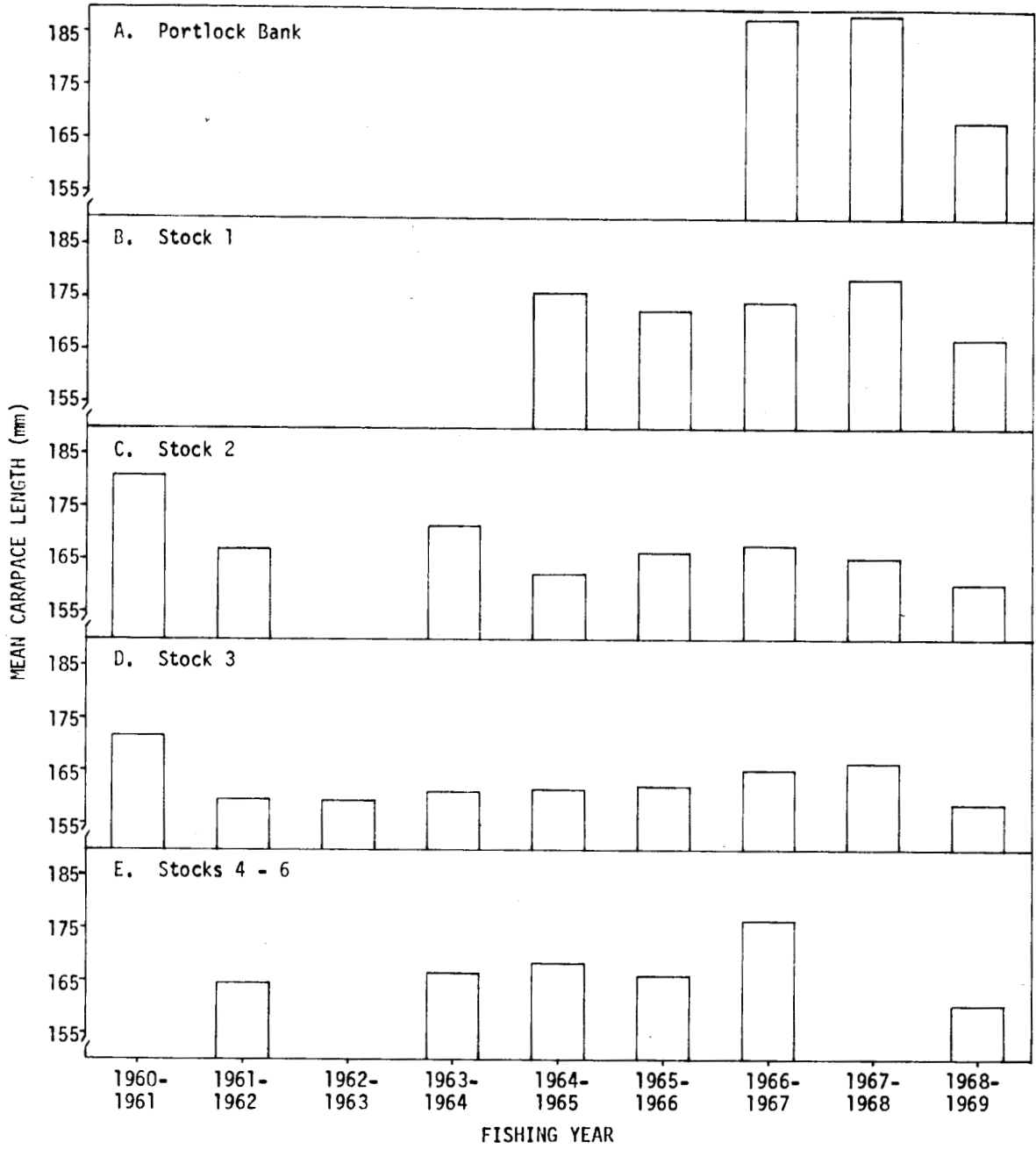


FIGURE 7.--Mean carapace lengths of commercial king crab catches by stock and fishing year, Kodiak Area, 1960 - 1969.

in later years (Figures 8 and 9). In view of the possibility that this apparent increase in carapace length resulted from the fishery moving offshore within Stock 3 to previously unharvested areas, a comparison was made between fishing years of the mean carapace length of commercial catches from each environmental zone of this Stock. This comparison indicates a gradual increase in mean carapace length within each environmental zone (Table 2). Comparison between fishing years of the commercial catch composition of the extreme southern end of Zone 8, Stock 3 (Statistical Areas 291-73 and 291-83) again indicated an increase in mean carapace length through Fishing Year 1967-1968. Available catch composition data, therefore, indicates a gradual increase in mean carapace length of commercial catches in Stock 3 between Fishing Years 1961-1962 and 1967-1968.

Recruitment

Commercial catch composition sampling indicates the Fishing Year 1968-1969 commercial catch from all areas was composed of the highest percentage and one of the lowest actual abundances of recruit crabs of any fishing year sampled. Comparison of recruitment between fishing years for each stock indicates that trends of percentage recruitment in commercial catches of Stocks 2 and 3 have been quite similar in fluctuation and magnitude during all fishing years sampled (Figure 10). Actual contributions by each incoming recruit age group in Stock 2, however, have fluctuated considerably while those in Stock 3 have remained more stable. Comparison between fishing years of the percentages and estimated actual contributions of each recruit age group to the commercial catches of Stocks 2 and 3 reveals that the percentage recruitment in both areas increased between Fishing Years 1960-1961 through 1964-1965, followed by a decline through Fishing Year 1967-1968. The actual recruit abundance in commercial catches of Stock 2 increased between Fishing Years 1960-1961 through 1965-1966 followed by a decline through Fishing Year 1968-1969. Contributions of recruit age groups to commercial catches of Stock 3 remained fairly stable during all fishing years sampled. The highest actual contribution of recruit crabs to the commercial catch of any single fishing year sampled occurred in 1965-1966 (Figure 10, Table 1).

Effects upon commercial catch composition as a result of the fishery exploiting previously unharvested areas is seen in a comparison between fishing years of recruit contributions to commercial catches from Zone 8 of Stock 3. As mentioned previously, fishing effort in this Zone moved from near-shore to offshore areas beginning in Fishing Year 1965-1966. Percentage recruitment declined between Fishing Years 1964-1965 through

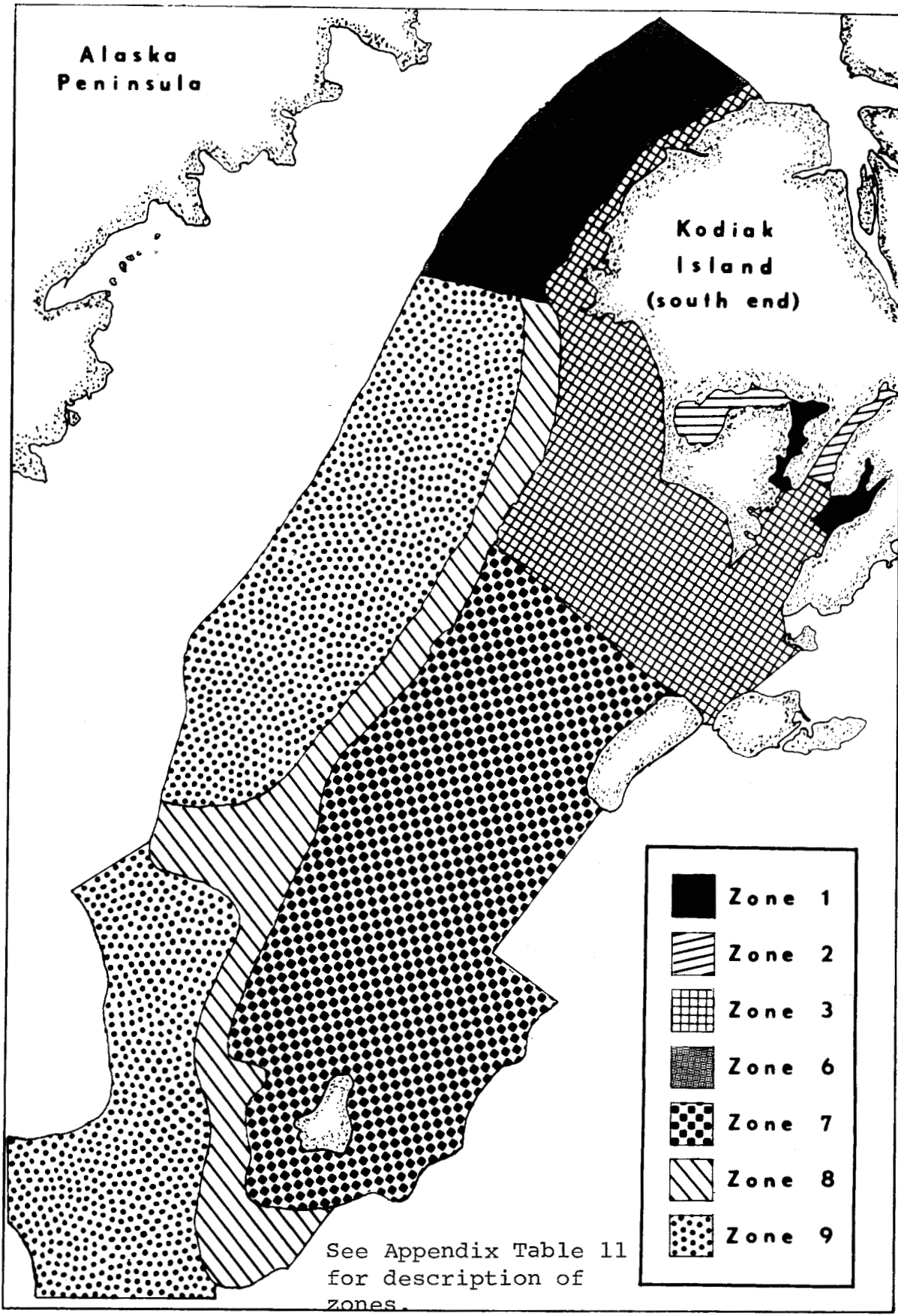


FIGURE 8.--Delineation of king crab environmental zones within Stock 3, Kodiak Area.

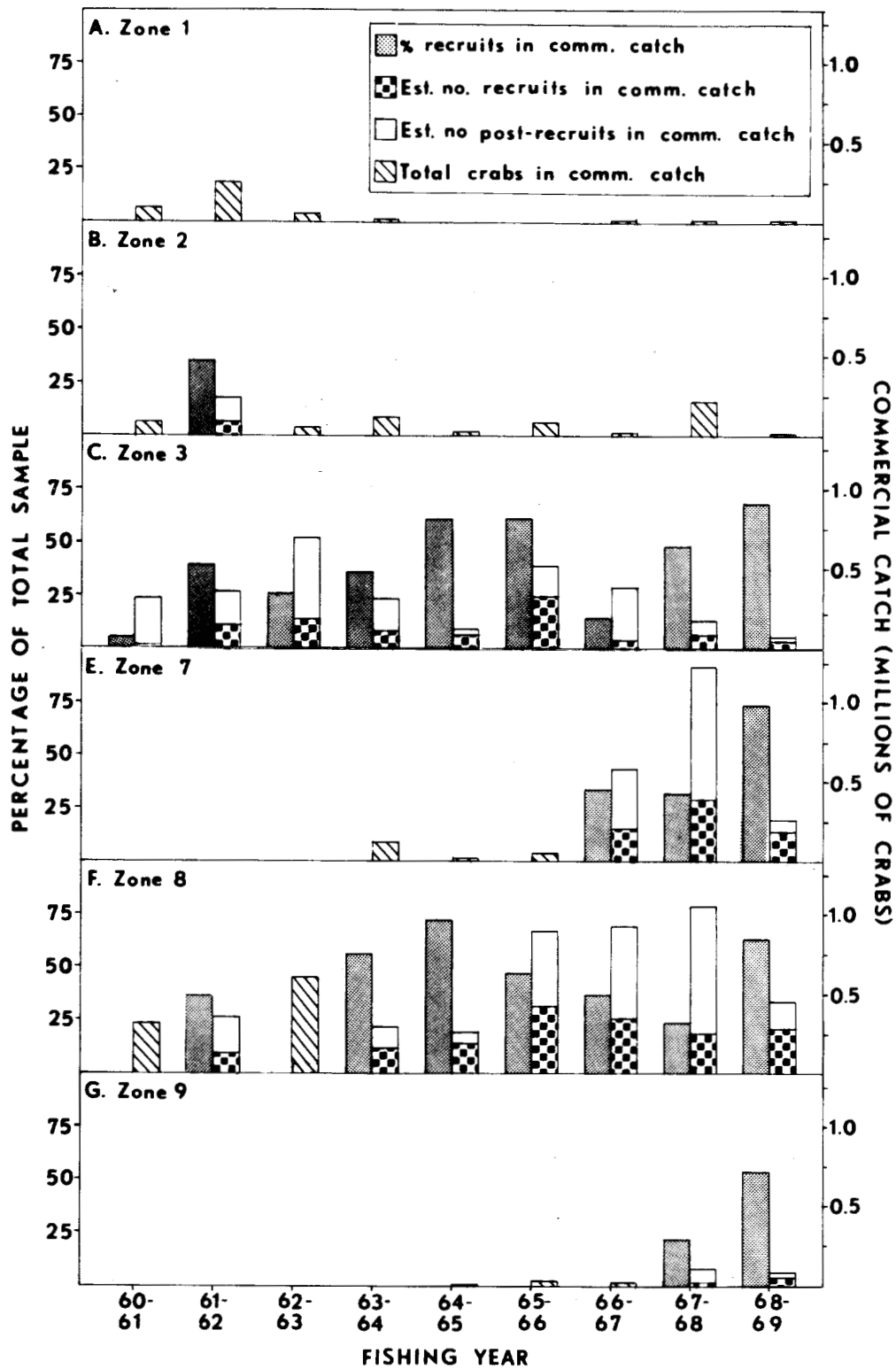


FIGURE 9.--Proportion and estimated number of recruit king crabs in commercial catches from each environmental zone of Stock 3 by fishing year, Kodiak Area, 1960-1969. Total crabs caught shown for zones not sampled.

Table 2.--Mean carapace length of commercial king crab catch from Stock 3 by environmental zone and fishing year as determined by commercial catch composition sampling, Kodiak Area, 1960-1969.

Fishing Year	Environmental Zone ^{1/}													
	2		3		6		7		8		9		Summary	
	Crabs sampled	Mean length	Crabs sampled	Mean length	Crabs sampled	Mean length	Crabs sampled	Mean length	Crabs sampled	Mean length	Crabs sampled	Mean length	Crabs sampled	Mean length
1960-1961	--	--	168	171.7	--	--	--	--	--	--	--	--	168	171.7
1961-1962	100	163.0	2,452	159.0	--	--	--	--	239	164.6	--	--	2,791	159.6
1962-1963	--	--	391	159.3	--	--	--	--	--	--	--	--	391	159.3
1963-1964	--	--	926	167.3	--	--	--	--	3,525	154.7	160	164.2	4,611	161.0
1964-1965	--	--	951	162.3	--	--	--	--	324	157.6	--	--	1,275	161.3
1965-1966	--	--	168	159.0	64	181.3	--	--	1,241	161.3	--	--	1,473	162.0
1966-1967	--	--	300	164.8	--	--	300	165.8	1,500	164.9	--	--	2,100	165.0
1967-1968	--	--	150	162.2	--	--	900	165.0	900	168.2	50	167.6	2,000	166.4
1968-1969	--	--	50	153.9	--	--	150	155.8	500	159.6	98	163.0	798	158.9

^{1/} No samples taken in Zone 1.

Zone 4 is non-existent.

Zone 5 is non-existent in Stock 3.

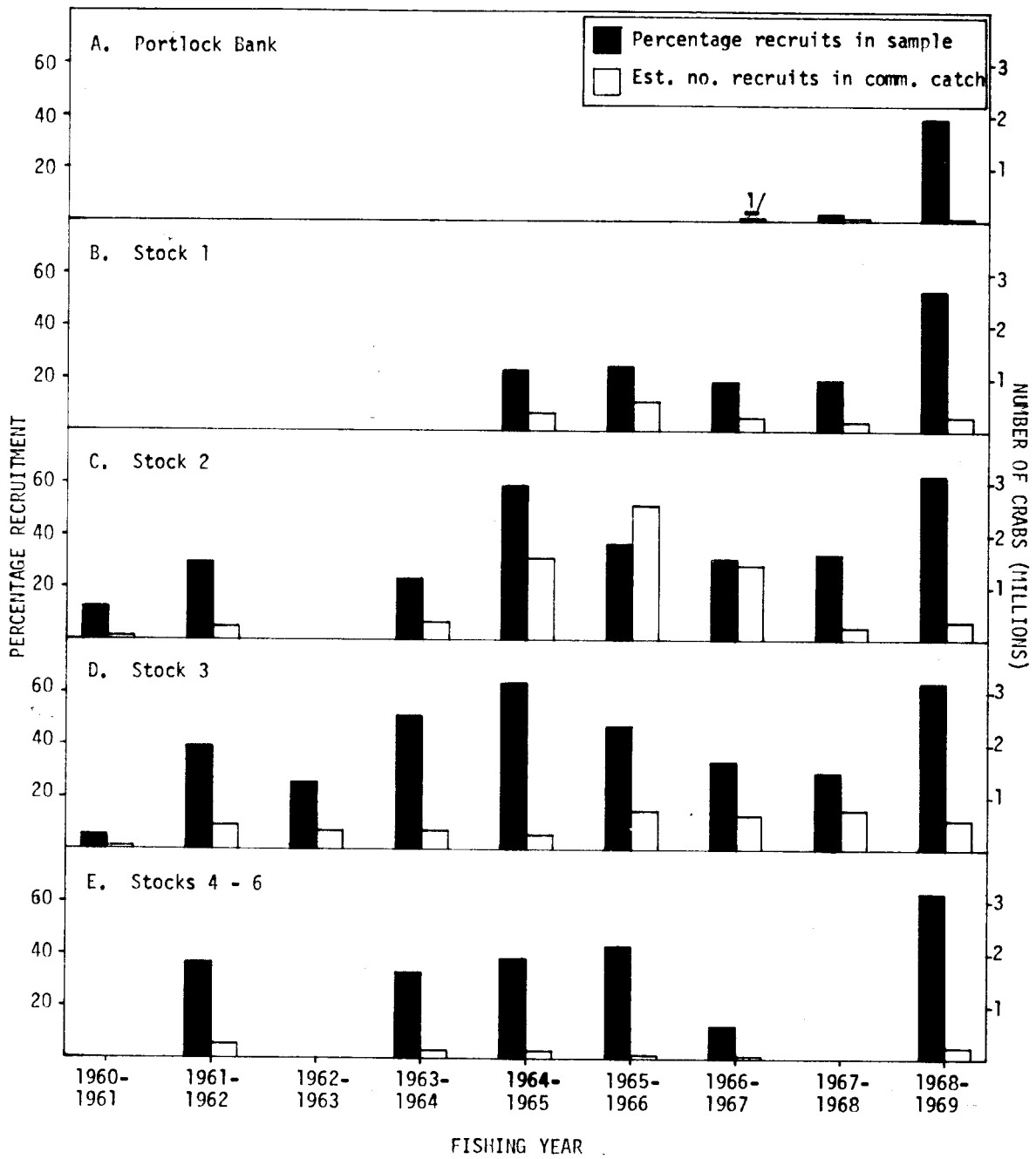


FIGURE 1Q. Percentage and estimated actual recruit abundance of commercial king crab by stock and fishing year as determined by catch sampling, Kodiak Area, 1960 - 1969.

1/ Catch composition sampling indicated 0 percent recruitment.

1967-1968 in conjunction with increasing total catches (Figure 9F). This decline in percentage recruitment combined with increasing total catches indicates lesser dependence upon recruit age groups.

DISCUSSION

Analysis of the 1960-1969 Kodiak Area king crab catch composition reveals that the commercial catch of Fishing year 1968-1969 was more dependent upon contribution by the recruit age group than that of any preceeding fishing year. Comparison between fishing years of actual contributions of this age group to commercial catches indicates further that the actual abundance of recruit crabs recruited into the fishery in Fishing Year 1968-1969 was the lowest of any year sampled. This increased dependency is further demonstrated by the marked decline in mean carapace length seen in all areas in Fishing Year 1968-1969. Analysis of these data, therefore, indicates an increased dependency upon a single age group which appears to have declined in actual abundance. This situation, and the fact that total catches have undergone a marked decline since 1965 (Figure 11, Appendix Table 12), indicates that fishing mortality has out-weighed recruitment to a point where the success of each harvest is dependent upon the strength of each incoming recruit age group.

It should be emphasized that evidence of high percentages of recruitment in commercial catches has not been limited to the 1968-1969 Fishing Year. Percentages of recruit crabs in the 1964-1965 Fishing Year catches of Stocks 2 and 3 were within 3.24 percent and 0.13 percent respectively of those from these Stocks in Fishing Year 1968-1969. The 1964-1965 commercial harvest from Stock 2, however, was 4.6 times as great and composed of 5.0 times as many post-recruit crabs as that from Stock 2 in Fishing Year 1968-1969. The 1968-1969 catch from Stock 3 was twice that produced by this Stock in Fishing Year 1964-1965 and was composed of twice as many recruit and post-recruit crabs.

It appears, therefore, that fluctuations in actual contributions of each incoming recruit age group occur between fishing years and that these fluctuations are not a result of fishing mortality. An exception to this would be, however, if the fishery illegally harvested significant numbers of pre-recruit crabs. Comparison of relative and actual contributions of recruit crabs to the catches of Stocks 2 and 3 between fishing years indicates that, although fluctuations and magnitudes of percentage recruitment in both areas are quite similar, actual

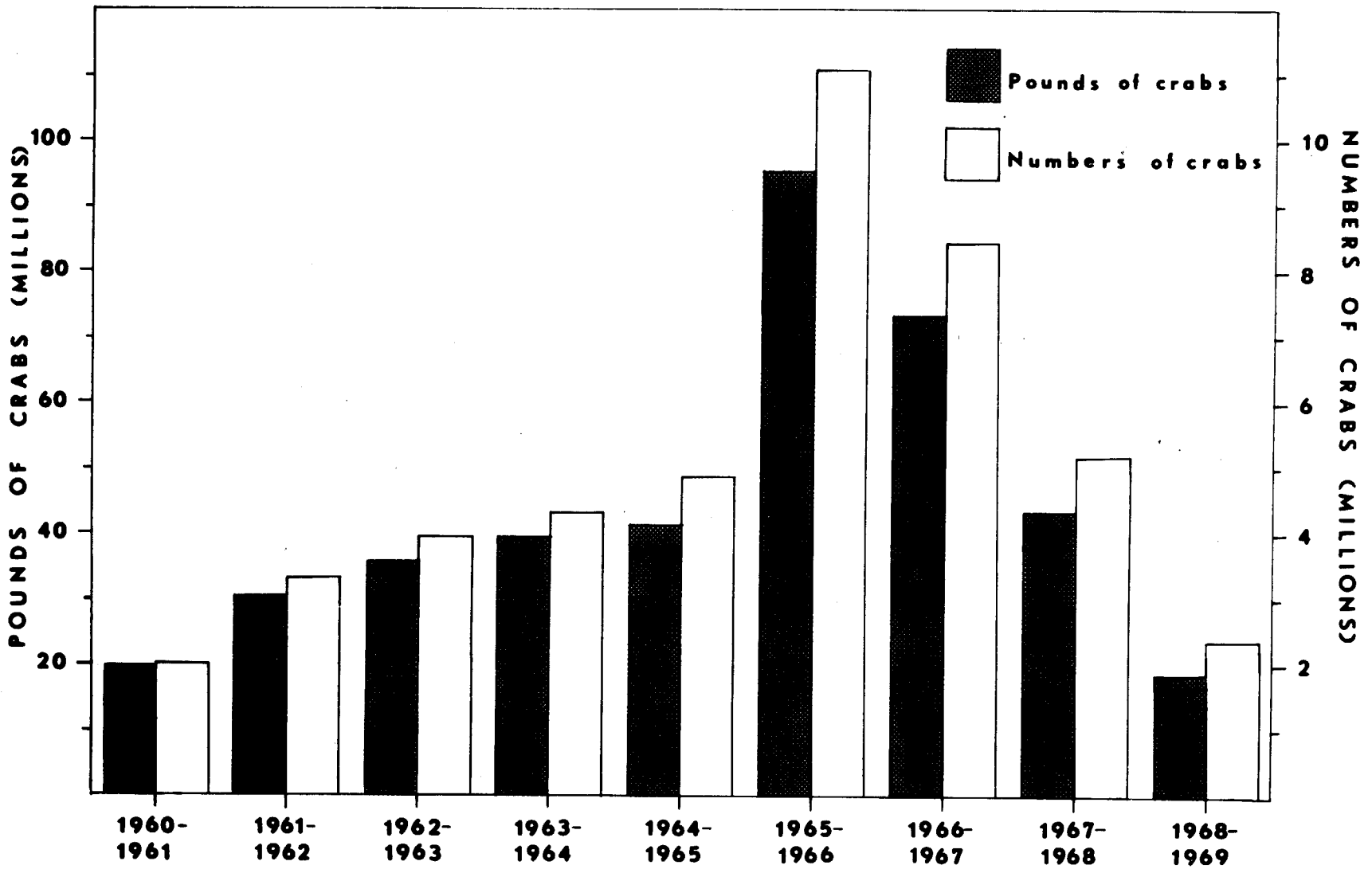


FIGURE 11.--Kodiak Area commercial king crab catches by fishing year, 1960-1969. Catches shown in pounds and numbers of crabs.

recruit contributions from Stock 3 have remained more stable than those from Stock 2. The success of the Fishing Year 1965-1966 commercial catch can be attributed to the large abundance of recruit crabs available to the fishery and to the large abundance of post-recruit crabs which escaped the fishery as recruits in 1964-1965. It is possible that annual fluctuations in water temperature or tidal movements may affect survival conditions of juvenile age groups and, thereby, affect the abundances of incoming recruit age groups.

Fluctuations in the ratio of recruit to post-recruit crabs between fishing years apparently result from fluctuations in both fishing mortality and actual recruit abundance. A decline in percentage recruitment coupled with stable actual recruit abundances and increasing total harvests during successive fishing years indicate increasing contributions by post-recruit age groups to the commercial catches. This situation is evident in Stock 3 between Fishing Years 1964-1965 through 1967-1968 (Figure 10D), and in this case represents the movement of fishing effort offshore to unharvested areas of this Stock.

In view of the large fluctuations in annual king crab catches and the increase in number, size and efficiency of vessels engaged in the fishery, data presented in this report should be compared with those showing total effort. Total effort data necessary for this comparison would best be expressed in total pot lifts by stock and fishing year. Valid data of this nature are not available at the present time.

Data derived from the king crab logbook program indicate a steady decline in the catch per unit effort of all stocks since Fishing Year 1965-1966 (Table 3). This decline in catch per unit effort corresponds with the decline in total catch (Figure 11). Correlation of these declines in catch per unit effort and total catch indicates the decline in total catch is a result of less crabs being available to the fishery and is not necessarily a result of reduced total effort.

Table 3.--Comparison of average king crab catch per pot between stocks and fishing years, Kodiak Area, 1964-1969.

Fishing Year	Stock				Totals all stocks combined
	1	2	3	4-6	
1964-1965	48	74	94	13	66
1965-1966	42	77	83	37	66
1966-1967	20	45	54	24	36
1967-1968	18	20	38	17	26
1968-1969	13	25	27	13	20

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APPENDIX

Appendix Table I-1. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 2, 1960-1961 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	--	--	--	--	--	--	--
137-138	--	--	--	--	--	--	--
139-140	--	--	--	--	--	--	--
141-142	.44	2,827	--	--	4	.44	2,827
143-144	.44	2,827	--	--	4	.44	2,827
145-146	.44	2,827	--	--	4	.44	2,827
147-148	.88	5,655	--	--	8	.88	5,655
149-150	1.54	9,896	--	--	14	1.54	9,896
151-152	1.76	11,310	--	--	16	1.76	11,310
153-154	1.21	7,775	--	--	11	1.21	7,775
155-156	1.21	7,775	.11	707	12	1.32	8,482
157-158	.88	5,655	.44	2,827	12	1.32	8,482
159-160	.99	6,362	.11	707	10	1.10	7,069
161-162	1.87	12,016	.22	1,414	19	2.09	13,430
163-164	1.43	9,190	.44	2,827	17	1.87	12,017
165-166	1.88	12,081	.88	5,655	25	2.76	17,736
167-168	1.65	10,603	.22	1,414	17	1.87	12,017
169-170	1.77	11,374	.44	2,827	20	2.21	14,201
171-172	2.10	13,494	1.10	7,069	29	3.20	20,563
173-174	2.32	14,908	1.65	10,603	36	3.97	25,511
175-176	2.54	16,322	1.87	12,016	40	4.41	28,338
177-178	1.98	12,723	2.43	15,615	40	4.41	28,338
179-180	2.54	16,322	2.32	14,908	44	4.86	31,230
181-182	3.86	24,805	2.21	14,201	55	6.07	39,006
183-184	2.32	14,909	3.75	24,097	55	6.07	39,006
185-186	3.86	24,804	3.75	24,097	69	7.61	48,901
187-188	2.98	19,149	3.20	20,563	56	6.18	39,712
189-190	2.09	13,430	4.19	26,925	57	6.28	40,355
191-192	1.98	12,723	2.76	17,736	43	4.74	30,459
193-194	2.21	14,201	2.76	17,736	45	4.97	31,937
195-196	1.32	8,482	2.32	14,908	33	3.64	23,390
197-198	2.21	14,202	1.21	7,775	31	3.42	21,977
199-200	1.99	12,788	.77	4,948	25	2.76	17,736
201-202	.88	5,655	.66	4,241	14	1.54	9,896
203-204	.66	4,241	.77	4,948	13	1.43	9,189
205-206	.77	4,948	.66	4,241	13	1.43	9,189
207-208	.55	3,534	.33	2,121	8	.88	5,655
209-210	.22	1,414	--	--	2	.22	1,414
211-212	.11	707	.22	1,414	3	.33	2,121
213-214	.11	707	--	--	1	.11	707
215-216	.11	707	--	--	1	.11	707
217-218	.11	707	--	--	1	.11	707
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	58.21	374,055	41.79	268,540	907	100.00	642,595

Appendix Table 1-2. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 3, 1960-1961 Fishing Year.

Length range (mm)	Exuviants		Anexuviants		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	---	---	---	---	---	---	---
133-134	---	---	---	---	---	---	---
135-136	---	---	---	---	---	---	---
137-138	---	---	---	---	---	---	---
139-140	---	---	---	---	---	---	---
141-142	---	---	.60	4,802	1	.60	4,802
143-144	---	---	---	---	---	---	---
145-146	---	---	2.38	19,047	4	2.38	19,047
147-148	---	---	.60	4,802	1	.60	4,802
149-150	---	---	1.79	14,325	3	1.79	14,325
151-152	1.19	9,524	2.38	19,047	6	3.57	28,571
153-154	.60	4,802	1.78	14,245	4	2.38	19,047
155-156	---	---	2.98	23,849	5	2.98	23,849
157-158	---	---	2.38	19,047	4	2.38	19,047
159-160	1.78	14,245	3.57	28,571	9	5.35	42,816
161-162	---	---	2.98	23,849	5	2.98	23,849
163-164	1.79	14,325	2.97	23,769	8	4.76	38,094
165-166	1.18	9,443	5.95	47,618	12	7.13	57,061
167-168	.60	4,802	3.57	28,571	7	4.17	33,373
169-170	1.78	14,245	4.76	38,094	11	6.54	52,339
171-172	1.19	9,524	4.76	38,094	10	5.95	47,618
173-174	1.19	9,524	4.76	38,094	10	5.95	47,618
175-176	.60	4,802	2.97	23,769	6	3.57	28,571
177-178	---	---	4.76	38,094	8	4.76	38,094
179-180	---	---	2.98	23,849	5	2.98	23,849
181-182	---	---	4.76	38,094	8	4.76	38,094
183-184	---	---	2.98	23,849	5	2.98	23,849
185-186	---	---	5.36	42,896	9	5.36	42,896
187-188	1.79	14,325	4.16	33,292	10	5.95	47,617
189-190	---	---	2.98	23,849	5	2.98	23,849
191-192	.60	4,802	2.97	23,769	6	3.57	28,571
193-194	---	---	1.19	9,524	2	1.19	9,524
195-196	---	---	---	---	---	---	---
197-198	---	---	1.19	9,524	2	1.19	9,524
199-200	---	---	.60	4,802	1	.60	4,802
201-202	---	---	---	---	---	---	---
203-204	---	---	---	---	---	---	---
205-206	---	---	.60	4,802	1	.60	4,802
207-208	---	---	---	---	---	---	---
209-210	---	---	---	---	---	---	---
211-212	---	---	---	---	---	---	---
213-214	---	---	---	---	---	---	---
215-216	---	---	---	---	---	---	---
217-218	---	---	---	---	---	---	---
219-220	---	---	---	---	---	---	---
221-222	---	---	---	---	---	---	---
Totals	14.29	114,363	85.71	685,937	168	100.00	800,300

Appendix Table 2-1. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 2, 1961-1962 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	.14	1,224	--	--	3	.14	1,224
133-134	.56	4,896	--	--	12	.56	4,896
135-136	.47	4,109	--	--	10	.47	4,109
137-138	1.23	10,753	--	--	26	1.23	10,753
139-140	1.65	14,425	.05	437	36	1.70	14,862
141-142	1.75	15,299	--	--	37	1.75	15,299
143-144	2.17	18,971	.05	437	47	2.22	19,408
145-146	2.55	22,293	.24	2,098	59	2.79	24,391
147-148	2.08	18,184	--	--	44	2.08	18,184
149-150	3.40	29,724	.33	2,885	79	3.73	32,609
151-152	2.65	23,167	.28	2,448	62	2.93	25,615
153-154	3.64	31,822	.56	4,896	89	4.20	36,718
155-156	2.46	21,506	.94	8,218	72	3.40	29,724
157-158	3.12	27,276	.61	5,333	79	3.73	32,609
159-160	2.98	26,052	.61	5,333	76	3.59	31,385
161-162	3.07	26,839	1.09	9,529	88	4.16	36,368
163-164	4.02	35,144	1.18	10,316	110	5.20	45,460
165-166	3.35	29,288	.90	7,868	90	4.25	37,156
167-168	3.31	28,937	.66	5,770	84	3.97	34,707
169-170	3.68	32,173	2.13	18,622	123	5.81	50,795
171-172	4.49	39,254	2.03	17,747	138	6.52	57,001
173-174	3.92	34,271	1.18	10,316	108	5.10	44,587
175-176	3.92	34,271	.80	6,994	100	4.72	41,265
177-178	2.64	23,080	.52	4,546	67	3.16	27,626
179-180	2.03	17,747	.90	7,868	62	2.93	25,615
181-182	2.50	21,856	.56	4,896	65	3.06	26,752
183-184	1.32	11,540	.33	2,885	35	1.65	14,425
185-186	1.61	14,075	.52	4,546	45	2.13	18,621
187-188	1.61	14,075	.71	6,207	49	2.32	20,282
189-190	1.28	11,190	.76	6,644	43	2.04	17,834
191-192	1.23	10,753	.85	7,431	44	2.08	18,184
193-194	.76	6,644	.38	3,322	24	1.14	9,966
195-196	.61	5,333	.71	6,207	28	1.32	11,540
197-198	.33	2,885	.38	3,322	15	.71	6,207
199-200	.56	4,896	.28	2,448	18	.84	7,344
201-202	.52	4,546	.43	3,759	20	.95	8,305
203-204	.24	2,098	.43	3,759	14	.67	5,857
205-206	--	--	.28	2,448	6	.28	2,448
207-208	.09	787	.14	1,224	5	.23	2,011
209-210	.09	787	.05	437	3	.14	1,224
211-212	.05	437	--	--	1	.05	437
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	.05	437	--	--	1	.05	437
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	78.13	683,044	21.87	191,196	2,117	100.00	874,240

Appendix Table 2-2. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 3, 1961-1962 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
129-130	.47	5,565	--	--	13	.47	5,565
131-132	.75	8,880	--	--	21	.75	8,880
133-134	1.47	17,405	--	--	41	1.47	17,405
135-136	2.62	31,022	--	--	73	2.62	31,022
137-138	2.58	30,548	--	--	72	2.58	30,548
139-140	2.44	28,891	.18	2,131	73	2.62	31,022
141-142	3.22	38,126	.14	1,658	94	3.36	39,784
143-144	3.40	40,258	.32	3,788	104	3.72	44,046
145-146	3.26	38,600	.36	4,262	101	3.62	42,862
147-148	2.76	32,680	.11	1,302	80	2.87	33,982
149-150	3.73	44,165	.57	6,749	120	4.30	50,914
151-152	2.97	35,166	.61	7,223	100	3.58	42,389
153-154	4.26	50,440	.68	8,052	138	4.94	58,492
155-156	4.99	59,084	.61	7,223	156	5.60	66,307
157-158	4.08	48,309	.61	7,223	131	4.69	55,532
159-160	4.30	50,914	1.11	13,143	151	5.41	64,057
161-162	4.66	55,176	1.43	16,932	170	6.09	72,108
163-164	4.34	51,388	1.00	11,840	149	5.34	63,228
165-166	4.44	52,572	.79	9,354	146	5.23	61,926
167-168	3.12	36,942	1.18	13,972	120	4.30	50,914
169-170	3.22	38,126	1.04	12,314	119	4.26	50,440
171-172	3.30	39,074	1.00	11,840	120	4.30	50,914
173-174	2.11	24,983	.54	6,394	74	2.65	31,377
175-176	1.58	18,708	.64	7,578	62	2.22	26,286
177-178	1.36	16,103	.54	6,394	53	1.90	22,497
179-180	1.07	12,669	1.68	19,892	77	2.75	32,561
181-182	.82	9,709	.65	7,696	41	1.47	17,405
183-184	1.00	11,840	.68	8,052	47	1.68	19,892
185-186	.57	6,749	.43	5,091	28	1.00	11,840
187-188	.43	5,091	.47	5,565	25	.90	10,656
189-190	.32	3,789	.22	2,605	15	.54	6,394
191-192	.43	5,091	.57	6,749	28	1.00	11,840
193-194	.39	4,618	.36	4,263	21	.75	8,881
195-196	.25	2,961	.21	2,486	13	.46	5,447
197-198	.07	829	.04	474	3	.11	1,303
199-200	.11	1,302	.04	474	4	.15	1,776
201-202	.04	474	--	--	1	.04	474
203-204	.04	474	--	--	1	.04	474
205-206	.07	829	.11	1,302	5	.18	2,131
207-208	--	--	--	--	--	--	--
209-210	.04	474	--	--	1	.04	474
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	81.08	960,024	18.92	224,021	2,791	100.00	1,184,045

Appendix Table 2-3. Summary of Kodiak Area king crab commercial catch composition sampling from Stocks 4-6, 1961-1962 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	.19	1,410	--	--	4	.19	1,410
133-134	.37	2,745	--	--	8	.37	2,745
135-136	.46	3,413	--	--	10	.46	3,413
137-138	.83	6,158	--	--	18	.83	6,158
139-140	1.25	9,273	.05	371	28	1.30	9,644
141-142	1.94	14,392	--	--	42	1.94	14,392
143-144	1.85	13,725	--	--	40	1.85	13,725
145-146	2.31	17,137	--	--	50	2.31	17,137
147-148	2.36	17,508	.05	371	52	2.41	17,879
149-150	3.01	22,330	.19	1,410	69	3.20	23,740
151-152	3.56	26,410	.19	1,410	81	3.75	27,820
153-154	3.70	27,449	.42	3,116	89	4.12	30,565
155-156	4.21	31,233	.37	2,745	99	4.58	33,978
157-158	4.72	35,016	.88	6,528	121	5.60	41,544
159-160	4.54	33,681	1.16	8,606	123	5.70	42,287
161-162	4.54	33,681	.65	4,822	112	5.19	38,503
163-164	3.52	26,114	1.25	9,273	103	4.77	35,387
165-166	3.89	28,859	.74	5,490	100	4.63	34,349
167-168	4.95	36,722	1.16	8,606	132	6.11	45,328
169-170	5.14	38,132	1.16	8,606	136	6.30	46,738
171-172	4.40	32,642	1.30	9,644	123	5.70	42,286
173-174	4.31	31,975	.56	4,154	105	4.87	36,129
175-176	4.26	31,604	.74	5,490	108	5.00	37,094
177-178	3.01	22,330	.60	4,451	78	3.61	26,781
179-180	2.64	19,585	.97	7,196	78	3.61	26,781
181-182	2.73	20,253	.23	1,706	64	2.96	21,959
183-184	2.18	16,173	.69	5,119	62	2.87	21,292
185-186	1.30	9,644	.41	3,042	37	1.71	12,686
187-188	.69	5,119	.23	1,706	20	.92	6,825
189-190	.74	5,490	.28	2,077	22	1.02	7,567
191-192	.51	3,784	.18	1,335	15	.69	5,119
193-194	.28	2,077	.14	1,039	9	.42	3,116
195-196	.09	668	.23	1,706	7	.32	2,374
197-198	.19	1,410	.18	1,335	8	.37	2,745
199-200	--	--	.09	668	2	.09	668
201-202	.05	371	.09	668	3	.14	1,039
203-204	--	--	.09	668	2	.09	668
205-206	--	--	--	--	--	--	--
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	84.72	628,513	15.28	113,358	2,160	100.00	741,871

Appendix Table 3. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 3, 1962-1963 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	1.53	20,901	--	--	6	1.53	20,901
133-134	.26	3,552	--	--	1	.26	3,552
135-136	1.02	13,934	--	--	4	1.02	13,934
137-138	3.07	41,938	--	--	12	3.07	41,938
139-140	2.05	28,005	--	--	8	2.05	28,005
141-142	2.56	34,972	--	--	10	2.56	34,972
143-144	.77	10,519	1.02	13,934	7	1.79	24,453
145-146	3.58	48,906	1.28	17,486	19	4.86	66,392
147-148	2.56	34,972	1.02	13,934	14	3.58	48,906
149-150	1.02	13,934	.26	3,552	5	1.28	17,486
151-152	2.56	34,972	1.28	17,486	15	3.84	52,458
153-154	2.05	28,005	2.30	31,420	17	4.35	59,425
155-156	2.56	34,972	3.58	48,906	24	6.14	83,878
157-158	2.81	38,387	2.81	38,387	22	5.62	76,774
159-160	2.05	28,005	4.09	55,873	24	6.14	83,878
161-162	2.81	38,387	5.37	73,359	32	8.18	111,746
163-164	3.83	52,321	4.60	62,840	33	8.43	115,161
165-166	1.53	20,901	5.12	69,944	26	6.65	90,845
167-168	2.81	38,387	4.09	55,873	27	6.90	94,260
169-170	1.79	24,453	3.07	41,939	19	4.86	66,392
171-172	2.30	31,420	2.81	38,387	20	5.11	69,807
173-174	1.53	20,901	1.79	24,453	13	3.32	45,354
175-176	2.05	28,005	2.30	31,420	17	4.35	59,425
177-178	1.28	17,486	1.02	13,934	9	2.30	31,420
179-180	.26	3,552	.26	3,552	2	.52	7,104
181-182	.51	6,967	.26	3,552	3	.77	10,519
183-184	--	--	.26	3,552	1	.26	3,552
185-186	--	--	--	--	--	--	--
187-188	--	--	--	--	--	--	--
189-190	.26	3,552	--	--	1	.26	3,552
191-192	--	--	--	--	--	--	--
193-194	--	--	--	--	--	--	--
195-196	--	--	--	--	--	--	--
197-198	--	--	--	--	--	--	--
199-200	--	--	--	--	--	--	--
201-202	--	--	--	--	--	--	--
203-204	--	--	--	--	--	--	--
205-206	--	--	--	--	--	--	--
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	51.41	702,306	48.59	663,783	391	100.00	1,366,089

Appendix Table 4-1. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 2, 1963-1964 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		No. crab in total sample	Totals	
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)		Percent of total sample	Est. of comm. catch (No.)
131-132	.02	272	--	--	2	.02	272
133-134	.04	544	--	--	4	.04	544
135-136	.03	408	--	--	3	.03	408
137-138	.09	1,225	.03	408	12	.12	1,633
139-140	.12	1,634	.01	136	13	.13	1,770
141-142	.25	3,403	.03	408	28	.28	3,811
143-144	.51	6,942	.08	1,089	59	.59	8,031
145-146	1.02	13,885	.15	2,042	116	1.17	15,927
147-148	1.42	19,330	.16	2,178	157	1.58	21,508
149-150	1.79	24,366	.16	2,178	194	1.95	26,544
151-152	2.20	29,948	.20	2,722	238	2.40	32,670
153-154	2.48	33,759	.28	3,811	274	2.76	37,570
155-156	2.20	29,948	.34	4,628	252	2.54	34,576
157-158	2.88	39,204	.34	4,628	320	3.22	43,832
159-160	3.22	43,833	.52	7,078	372	3.74	50,911
161-162	2.84	38,659	.72	9,801	354	3.56	48,460
163-164	3.49	47,508	.74	10,073	420	4.23	57,581
165-166	3.68	50,094	.88	11,979	452	4.56	62,073
167-168	4.45	60,575	1.15	15,654	556	5.60	76,229
169-170	4.72	64,251	1.17	15,927	585	5.89	80,178
171-172	5.68	77,319	1.23	16,743	686	6.91	94,062
173-174	5.19	70,649	1.02	13,885	616	6.21	84,534
175-176	5.54	75,413	1.24	16,880	673	6.78	92,293
177-178	4.73	64,387	.91	12,387	560	5.64	76,774
179-180	5.03	68,471	1.08	14,701	606	6.11	83,172
181-182	4.38	59,623	.91	12,387	525	5.29	72,010
183-184	3.71	50,502	.75	10,210	442	4.46	60,712
185-186	3.31	45,057	.61	8,304	390	3.92	53,361
187-188	2.49	33,895	.29	3,948	276	2.78	37,843
189-190	2.20	29,947	.32	4,356	250	2.52	34,303
191-192	1.63	22,188	.20	2,723	182	1.83	24,911
193-194	1.07	14,565	.12	1,634	118	1.19	16,199
195-196	.68	9,256	.08	1,089	76	.76	10,345
197-198	.39	5,309	.06	817	45	.45	6,126
199-200	.27	3,675	.04	545	31	.31	4,220
201-202	.19	2,586	.03	409	22	.22	2,995
203-204	.13	1,770	--	--	13	.13	1,770
205-206	.05	681	--	--	5	.05	681
207-208	.02	272	--	--	2	.02	272
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	.01	136	1	.01	136
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	84.14	1,145,353	15.86	215,894	9,930	100.00	1,361,247

Appendix Table 4-2. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 3, 1963-1964 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	.02	147	--	--	1	.02	147
135-136	.09	661	--	--	4	.09	661
137-138	.15	1,102	.02	147	8	.17	1,249
139-140	1.26	9,257	.06	441	61	1.32	9,698
141-142	1.93	14,177	.11	808	94	2.04	14,985
143-144	2.32	17,042	.15	1,102	114	2.47	18,144
145-146	3.67	26,959	.30	2,204	183	3.97	29,163
147-148	5.68	41,724	.22	1,616	272	5.90	43,340
149-150	6.72	49,364	.33	2,424	325	7.05	51,788
151-152	6.59	48,409	.46	3,379	325	7.05	51,788
153-154	4.79	35,186	.43	3,159	241	5.22	38,345
155-156	5.36	39,373	.69	5,069	279	6.05	44,442
157-158	5.25	38,565	.78	5,730	278	6.03	44,295
159-160	4.81	35,333	.72	5,289	255	5.53	40,622
161-162	4.29	31,513	.63	4,628	227	4.92	36,141
163-164	3.71	27,253	1.06	7,786	220	4.77	35,039
165-166	3.88	28,502	.91	6,684	221	4.79	35,186
167-168	3.19	23,433	1.02	7,493	194	4.21	30,926
169-170	3.34	24,535	.89	6,538	195	4.23	31,073
171-172	3.25	23,874	.85	6,244	189	4.10	30,118
173-174	3.17	23,286	.74	5,436	180	3.91	28,722
175-176	2.54	18,658	.78	5,730	153	3.32	24,388
177-178	2.47	18,144	.50	3,673	137	2.97	21,817
179-180	1.87	13,737	.54	3,966	111	2.41	17,703
181-182	1.84	13,516	.28	2,057	98	2.12	15,573
183-184	1.04	7,640	.26	1,910	60	1.30	9,550
185-186	1.04	7,640	.28	2,056	61	1.32	9,696
187-188	.78	5,730	.13	955	42	.91	6,685
189-190	.37	2,718	.07	514	20	.44	3,232
191-192	.52	3,820	.07	514	27	.59	4,334
193-194	.28	2,057	.07	514	16	.35	2,571
195-196	.13	955	.02	147	7	.15	1,102
197-198	.02	147	.04	294	3	.06	441
199-200	.04	294	.04	294	4	.08	588
201-202	.07	514	--	--	3	.07	514
203-204	.07	514	--	--	3	.07	514
205-206	--	--	--	--	--	--	--
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	86.55	635,779	13.45	98,801	4,611	100.00	734,580

Appendix Table 4-3. Summary of Kodiak Area king crab commercial catch composition sampling from Stocks 4-6, 1963-1964 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	--	--	--	--	--	--	--
137-138	.46	2,360	--	--	4	.46	2,360
139-140	.46	2,360	--	--	4	.46	2,360
141-142	1.03	5,284	.12	616	10	1.15	5,900
143-144	2.07	10,619	.23	1,180	20	2.30	11,799
145-146	3.90	20,007	.58	2,975	39	4.48	22,982
147-148	2.07	10,619	.46	2,360	22	2.53	12,979
149-150	4.94	25,342	.80	4,104	50	5.74	29,446
151-152	4.13	21,187	.46	2,360	40	4.59	23,547
153-154	3.33	17,083	1.03	5,284	38	4.36	22,367
155-156	2.98	15,287	1.38	7,080	38	4.36	22,367
157-158	3.10	15,903	1.15	5,899	37	4.25	21,802
159-160	2.98	15,287	2.07	10,619	44	5.05	25,906
161-162	3.10	15,903	1.61	8,259	41	4.71	24,162
163-164	2.30	11,799	1.95	10,003	37	4.25	21,802
165-166	1.95	10,003	1.84	9,440	33	3.79	19,443
167-168	2.41	12,363	2.53	12,979	43	4.94	25,342
169-170	2.30	11,799	1.95	10,003	37	4.25	21,802
171-172	1.15	5,899	3.10	15,903	37	4.25	21,802
173-174	1.72	8,824	1.84	9,439	31	3.56	18,263
175-176	1.72	8,824	1.49	7,644	28	3.21	16,468
177-178	1.84	9,439	2.75	14,107	40	4.59	23,546
179-180	1.03	5,284	2.76	14,159	33	3.79	19,443
181-182	1.15	5,899	1.72	8,824	25	2.87	14,723
183-184	1.38	7,079	2.75	14,107	36	4.13	21,186
185-186	.46	2,360	2.41	12,363	25	2.87	14,723
187-188	.69	3,540	1.03	5,284	15	1.72	8,824
189-190	.34	1,744	.92	4,720	11	1.26	6,464
191-192	.46	2,360	1.03	5,284	13	1.49	7,644
193-194	.46	2,360	1.15	5,899	14	1.61	8,259
195-196	.23	1,180	1.15	5,899	12	1.38	7,079
197-198	.12	616	.34	1,744	4	.46	2,360
199-200	.11	564	.69	3,540	7	.80	4,104
201-202	--	--	--	--	--	--	--
203-204	--	--	.11	564	1	.11	564
205-206	--	--	.23	1,180	2	.23	1,180
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	56.37	289,177	43.63	223,821	871	100.00	512,998

Appendix Table 5-1. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 1, 1964-1965 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	--	--	--	--	--	--	--
137-138	--	--	--	--	--	--	--
139-140	.13	1,782	--	--	1	.13	1,782
141-142	.25	3,427	--	--	2	.25	3,427
143-144	.13	1,782	--	--	1	.13	1,782
145-146	.38	5,210	--	--	3	.38	5,210
147-148	.75	10,282	--	--	6	.75	10,282
149-150	.75	10,282	.13	1,783	7	.88	12,065
151-152	1.75	23,992	--	--	14	1.75	23,992
153-154	2.26	30,984	--	--	18	2.26	30,984
155-156	2.38	32,630	.13	1,783	20	2.51	34,413
157-158	3.01	41,267	--	--	24	3.01	41,267
159-160	3.88	53,194	--	--	31	3.88	53,194
161-162	4.26	58,404	.13	1,782	35	4.39	60,186
163-164	3.88	53,195	.25	3,427	33	4.13	56,622
165-166	2.76	37,839	--	--	22	2.76	37,839
167-168	4.51	61,831	.25	3,428	38	4.76	65,259
169-170	4.26	58,405	.50	6,854	38	4.76	65,259
171-172	3.51	48,122	.25	3,427	30	3.76	51,549
173-174	4.76	65,258	.37	5,074	41	5.13	70,332
175-176	3.51	48,122	.25	3,427	30	3.76	51,549
177-178	6.39	87,607	.63	8,637	56	7.02	96,244
179-180	3.26	44,694	.75	10,282	32	4.01	54,976
181-182	3.63	49,767	.63	8,637	34	4.26	58,404
183-184	6.14	84,179	.37	5,073	52	6.51	89,252
185-186	5.26	72,115	.88	12,064	49	6.14	84,179
187-188	4.01	54,976	1.00	13,710	40	5.01	68,686
189-190	3.51	48,122	.75	10,282	34	4.26	58,404
191-192	3.51	48,121	.37	5,073	31	3.88	53,194
193-194	2.63	36,057	.38	5,210	24	3.01	41,267
195-196	2.26	30,984	.37	5,073	21	2.63	36,057
197-198	.88	12,064	--	--	7	.88	12,064
199-200	.75	10,282	--	--	6	.75	10,282
201-202	.63	8,637	.25	3,427	7	.88	12,064
203-204	.75	10,282	--	--	6	.75	10,282
205-206	--	--	--	--	--	--	--
207-208	.25	3,428	.13	1,782	3	.38	5,210
209-210	.25	3,427	--	--	2	.25	3,427
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	91.23	1,250,750	8.77	120,235	798	100.00	1,370,985

Appendix Table 5-2. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 2, 1964-1965 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	--	--	--	--	--	--	--
137-138	--	--	--	--	--	--	--
139-140	.06	1,601	.07	1,869	2	.13	3,470
141-142	.51	13,611	--	--	8	.51	13,611
143-144	.84	22,419	.13	3,469	15	.97	25,888
145-146	1.29	34,428	.13	3,469	22	1.42	37,897
147-148	2.96	78,998	.13	3,469	48	3.09	82,467
149-150	4.89	130,507	.26	6,939	80	5.15	137,446
151-152	5.27	140,649	.26	6,939	86	5.53	147,588
153-154	6.69	178,546	.32	8,541	109	7.01	187,087
155-156	7.20	192,157	.39	10,409	118	7.59	202,566
157-158	7.53	200,965	.77	20,550	129	8.30	221,515
159-160	8.88	236,994	.77	20,550	150	9.65	257,544
161-162	7.91	211,106	.90	24,020	137	8.81	235,126
163-164	6.37	170,006	.45	12,010	106	6.82	182,016
165-166	4.57	121,967	.51	13,611	79	5.08	135,578
167-168	3.54	94,477	.77	20,551	67	4.31	115,028
169-170	3.73	99,548	.97	25,888	73	4.70	125,436
171-172	3.47	92,609	.84	22,418	67	4.31	115,027
173-174	1.41	37,631	1.16	30,959	40	2.57	68,590
175-176	2.19	58,448	.77	20,550	46	2.96	78,998
177-178	2.38	63,519	.90	24,020	51	3.28	87,539
179-180	.64	17,081	.90	24,019	24	1.54	41,100
181-182	.77	20,550	.64	17,081	22	1.41	37,631
183-184	.64	17,081	.77	20,550	22	1.41	37,631
185-186	.51	13,611	.45	12,010	15	.96	25,621
187-188	.32	8,540	.39	10,409	11	.71	18,949
189-190	.32	8,540	.45	12,010	12	.77	20,550
191-192	.19	5,071	.45	12,010	10	.64	17,081
193-194	.06	1,601	--	--	1	.06	1,601
195-196	--	--	.13	3,469	2	.13	3,469
197-198	--	--	.06	1,601	1	.06	1,601
199-200	--	--	--	--	--	--	--
201-202	--	--	--	--	--	--	--
203-204	--	--	.06	1,601	1	.06	1,601
205-206	--	--	.06	1,601	1	.06	1,601
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	85.14	2,272,261	14.86	396,592	1,555	100.00	2,668,853

Appendix Table 5-3. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 3, 1964-1965 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		No. crab in total sample	Totals	
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)		Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	--	--	--	--	--	--	--
137-138	--	--	--	--	--	--	--
139-140	.16	717	--	--	2	.16	717
141-142	.24	1,075	--	--	3	.24	1,075
143-144	.94	4,211	--	--	12	.94	4,211
145-146	.70	3,136	.08	358	10	.78	3,494
147-148	3.22	14,425	.23	1,030	44	3.45	15,455
149-150	5.25	23,518	.08	359	68	5.33	23,877
151-152	5.33	23,876	.31	1,389	72	5.64	25,265
153-154	8.16	36,554	.08	358	105	8.24	36,912
155-156	8.70	38,973	.71	3,181	120	9.41	42,154
157-158	9.65	43,229	.47	2,105	129	10.12	45,334
159-160	9.02	40,407	.31	1,389	119	9.33	41,796
161-162	6.98	31,268	.71	3,181	98	7.69	34,449
163-164	6.75	30,238	.47	2,105	92	7.22	32,343
165-166	5.41	24,235	.63	2,822	77	6.04	27,057
167-168	4.08	18,277	.94	4,211	64	5.02	22,488
169-170	3.84	17,202	.94	4,211	61	4.78	21,413
171-172	2.59	11,602	1.10	4,928	47	3.69	16,530
173-174	1.73	7,750	.62	2,777	30	2.35	10,527
175-176	1.57	7,033	.63	2,822	28	2.20	9,855
177-178	.78	3,494	.63	2,822	18	1.41	6,316
179-180	.94	4,211	.63	2,822	20	1.57	7,033
181-182	.86	3,852	.55	2,464	18	1.41	6,316
183-184	.47	2,105	.24	1,075	9	.71	3,181
185-186	.31	1,389	.31	1,389	8	.62	2,777
187-188	.08	358	.31	1,389	5	.39	1,747
189-190	.16	717	.15	672	4	.31	1,389
191-192	.15	672	.16	717	4	.31	1,389
193-194	.16	717	.08	358	3	.24	1,075
195-196	--	--	.08	358	1	.08	358
197-198	--	--	--	--	--	--	--
199-200	.08	358	--	--	1	.08	358
201-202	--	--	.16	717	2	.16	717
203-204	.08	358	--	--	1	.08	358
205-206	--	--	--	--	--	--	--
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	88.39	395,957	11.61	52,009	1,275	100.00	447,966

Appendix Table 5-4. Summary of Kodiak Area king crab commercial catch composition sampling from Stocks 4-6, 1964-1965 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	--	--	--	--	--	--	--
137-138	--	--	--	--	--	--	--
139-140	--	--	--	--	--	--	--
141-142	--	--	--	--	--	--	--
143-144	.88	3,038	--	--	5	.88	3,038
145-146	.88	3,038	--	--	5	.88	3,038
147-148	.35	1,208	--	--	2	.35	1,208
149-150	2.64	9,114	--	--	15	2.64	9,114
151-152	1.94	6,698	--	--	11	1.94	6,698
153-154	3.35	11,566	.35	1,208	21	3.70	12,774
155-156	7.21	24,892	.18	621	42	7.39	25,513
157-158	5.46	18,850	.35	1,208	33	5.81	20,058
159-160	6.34	21,888	.88	3,038	41	7.22	24,926
161-162	4.75	16,399	.71	2,451	31	5.46	18,850
163-164	5.12	17,676	.70	2,417	33	5.82	20,093
165-166	4.58	15,812	.18	621	27	4.76	16,433
167-168	5.63	19,437	.70	2,417	36	6.33	21,854
169-170	4.93	17,020	1.06	3,661	34	5.99	20,681
171-172	4.40	15,190	1.06	3,661	31	5.46	18,851
173-174	4.05	13,982	.70	2,417	27	4.75	16,399
175-176	4.58	15,812	.70	2,417	30	5.28	18,229
177-178	4.58	15,812	.88	3,038	31	5.46	18,850
179-180	4.05	13,982	.70	2,417	27	4.75	16,399
181-182	3.35	11,566	.35	1,208	21	3.70	12,774
183-184	2.29	7,906	.35	1,208	15	2.64	9,114
185-186	1.76	6,077	.35	1,208	12	2.11	7,285
187-188	1.76	6,077	.18	621	11	1.94	6,698
189-190	.52	1,796	.18	621	4	.70	2,417
191-192	.88	3,038	.35	1,208	7	1.23	4,246
193-194	.53	1,829	.70	2,417	7	1.23	4,246
195-196	.17	587	.18	621	2	.35	1,208
197-198	.53	1,830	--	--	3	.53	1,830
199-200	.35	1,208	--	--	2	.35	1,208
201-202	--	--	--	--	--	--	--
203-204	--	--	--	--	--	--	--
205-206	.17	587	.18	621	2	.35	1,208
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	88.03	303,915	11.97	41,325	568	100.00	345,240

Appendix Table 6-1. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 1, 1965-1966 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	.03	711	--	--	1	.03	711
135-136	--	--	--	--	--	--	--
137-138	.07	1,660	--	--	2	.07	1,660
139-140	.20	4,743	--	--	6	.20	4,743
141-142	.40	9,486	--	--	12	.40	9,486
143-144	.67	15,889	.03	711	21	.70	16,600
145-146	.67	15,889	--	--	20	.67	15,889
147-148	1.07	25,375	.13	3,083	36	1.20	28,458
149-150	2.27	53,834	.20	4,743	74	2.47	58,577
151-152	1.77	41,976	.20	4,743	59	1.97	46,719
153-154	2.30	54,545	.23	5,455	76	2.53	60,000
155-156	2.33	55,257	.27	6,403	78	2.60	61,660
157-158	3.00	71,146	.83	19,684	115	3.83	90,829
159-160	3.10	73,517	.67	15,889	113	3.77	89,406
161-162	3.50	83,003	.36	8,537	116	3.86	91,541
163-164	4.26	101,027	.53	12,569	144	4.79	113,596
165-166	3.36	79,683	.50	11,858	116	3.86	91,541
167-168	4.33	102,687	.40	9,486	142	4.73	112,173
169-170	5.30	125,691	.70	16,600	180	6.00	142,291
171-172	5.30	125,691	.60	14,230	177	5.90	139,920
173-174	5.30	125,691	.40	9,486	171	5.70	135,177
175-176	5.19	123,082	.57	13,518	173	5.76	136,600
177-178	4.16	98,655	.43	10,198	138	4.59	108,853
179-180	5.90	139,920	.47	11,146	191	6.37	151,066
181-182	4.66	110,513	.63	14,941	159	5.29	125,454
183-184	3.83	90,829	.30	7,115	124	4.13	97,944
185-186	4.33	102,687	.50	11,858	145	4.83	114,545
187-188	2.70	64,031	.27	6,403	89	2.97	70,434
189-190	2.93	69,486	.33	7,826	98	3.26	77,312
191-192	2.13	50,513	.27	6,403	72	2.40	56,917
193-194	1.63	38,656	.23	5,455	56	1.86	44,110
195-196	.87	20,632	.20	4,743	32	1.07	25,375
197-198	.70	16,600	.20	4,743	27	.90	21,344
199-200	.50	11,858	.13	3,083	19	.63	14,941
201-202	.10	2,372	.07	1,660	5	.17	4,032
203-204	.17	4,032	.03	711	6	.20	4,743
205-206	.10	2,372	--	--	3	.10	2,372
207-208	.10	2,372	--	--	3	.10	2,372
209-210	--	--	.03	711	1	.03	711
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	.03	711	--	--	1	.03	711
219-220	--	--	--	--	--	--	--
221-222	.03	711	--	--	1	.03	711
Totals	89.29	2,117,533	10.71	253,991	3,002	100.00	2,371,524

Appendix Table 6-2. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 2, 1965-1966 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	.02	1,424	--	--	1	.02	1,424
137-138	.04	2,847	--	--	2	.04	2,847
139-140	.04	2,847	--	--	2	.04	2,847
141-142	.09	6,406	.02	1,424	6	.11	7,830
143-144	.26	18,507	--	--	14	.26	18,507
145-146	.64	45,557	.13	9,254	41	.77	54,810
147-148	1.04	74,030	.26	18,507	69	1.30	92,537
149-150	1.55	110,333	.30	21,355	98	1.85	131,688
151-152	2.21	157,313	.47	33,456	142	2.68	190,769
153-154	2.45	174,397	.57	40,574	160	3.02	214,971
155-156	3.79	269,781	.70	49,828	238	4.49	319,609
157-158	4.68	333,134	.64	45,557	282	5.32	378,691
159-160	5.94	422,824	.98	69,759	367	6.92	492,583
161-162	7.12	506,819	1.11	79,013	436	8.23	585,832
163-164	6.89	490,447	1.13	80,436	425	8.02	570,883
165-166	7.19	511,802	.79	56,234	423	7.98	568,036
167-168	7.79	554,511	.81	57,658	456	8.60	612,169
169-170	8.08	575,155	.68	48,402	464	8.76	623,559
171-172	7.15	508,955	.60	42,709	411	7.75	551,664
173-174	5.72	407,164	.34	24,202	321	6.06	431,366
175-176	4.17	296,831	.49	34,879	247	4.66	331,710
177-178	4.15	295,407	.19	13,525	230	4.34	308,932
179-180	2.72	193,616	.26	18,507	158	2.98	212,123
181-182	1.87	133,111	.13	9,254	106	2.00	142,365
183-184	1.30	92,537	.11	7,830	75	1.41	100,367
185-186	.92	65,488	.10	7,118	54	1.02	72,606
187-188	.43	30,608	.02	1,424	24	.45	32,032
189-190	.40	28,473	.06	4,271	24	.46	32,744
191-192	.11	7,830	.06	4,271	9	.17	12,101
193-194	.13	9,254	.02	1,424	8	.15	10,678
195-196	.02	1,424	.02	1,424	2	.04	2,847
197-198	.06	4,271	--	--	3	.06	4,271
199-200	--	--	--	--	--	--	--
201-202	--	--	--	--	--	--	--
203-204	.04	2,847	--	--	2	.04	2,847
205-206	--	--	--	--	--	--	--
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	89.01	6,335,950	10.99	782,295	5,300	100.00	7,118,245

Appendix Table 6-3. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 3, 1965-1966 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	.07	1,058	--	--	1	.07	1,058
135-136	--	--	--	--	--	--	--
137-138	--	--	--	--	--	--	--
139-140	.14	2,117	--	--	2	.14	2,117
141-142	.34	5,141	--	--	5	.34	5,141
143-144	.88	13,306	.20	3,024	16	1.08	16,330
145-146	2.04	30,846	.20	3,024	33	2.24	33,870
147-148	2.38	35,987	.61	9,223	44	2.99	45,210
149-150	4.21	63,657	1.02	15,423	77	5.23	79,080
151-152	4.89	73,939	2.10	31,753	103	6.99	105,692
153-154	5.57	84,221	1.63	24,646	106	7.20	108,867
155-156	5.30	80,138	1.29	19,505	97	6.59	99,643
157-158	5.43	82,104	2.38	35,987	115	7.81	118,091
159-160	5.57	84,221	1.76	26,612	108	7.33	110,833
161-162	6.38	96,472	1.15	17,389	111	7.53	113,860
163-164	5.36	81,045	1.36	20,564	99	6.72	101,609
165-166	5.97	90,269	1.36	20,564	108	7.33	110,833
167-168	5.50	83,163	1.49	22,529	103	6.99	105,692
169-170	4.21	63,657	.88	13,306	75	5.09	76,963
171-172	3.46	52,317	.68	10,282	61	4.14	62,599
173-174	2.51	37,952	.54	8,165	45	3.05	46,117
175-176	2.44	36,894	.54	8,165	44	2.98	45,059
177-178	1.29	19,505	.20	3,024	22	1.49	22,529
179-180	1.49	22,529	.27	4,083	26	1.76	26,612
181-182	.68	10,282	.54	8,165	18	1.22	18,447
183-184	.20	3,024	.48	7,258	10	.68	10,282
185-186	.41	6,199	.27	4,083	10	.68	10,282
187-188	.34	5,141	.14	2,117	7	.48	7,258
189-190	.14	2,116	.27	4,083	6	.41	6,199
191-192	.13	1,966	.14	2,117	4	.27	4,083
193-194	.20	3,024	.14	2,117	5	.34	5,141
195-196	--	--	.07	1,058	1	.07	1,058
197-198	.13	1,966	.14	2,117	4	.27	4,083
199-200	.07	1,058	--	--	1	.07	1,058
201-202	.14	2,117	.07	1,058	3	.21	3,175
203-204	.07	1,058	.07	1,058	2	.14	2,117
205-206	--	--	--	--	--	--	--
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	.07	1,058	--	--	1	.07	1,058
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	78.01	1,179,547	21.99	332,499	1,473	100.00	1,512,046

Appendix Table 6-4. Summary of Kodiak Area king crab commercial catch composition sampling from Stocks 4-6, 1965-1966 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	--	--	--	--	--	--	--
137-138	--	--	--	--	--	--	--
139-140	--	--	--	--	--	--	--
141-142	--	--	--	--	--	--	--
143-144	--	--	--	--	--	--	--
145-146	1.42	3,129	--	--	3	1.42	3,129
147-148	1.42	3,129	--	--	3	1.42	3,129
149-150	.47	1,036	--	--	1	.47	1,036
151-152	1.42	3,129	--	--	3	1.42	3,129
153-154	4.25	9,366	--	--	9	4.25	9,366
155-156	5.19	11,437	--	--	11	5.19	11,437
157-158	7.08	15,602	2.83	6,237	21	9.91	21,839
159-160	6.13	13,509	3.30	7,272	20	9.43	20,781
161-162	9.91	21,839	2.83	6,238	27	12.74	28,077
163-164	5.66	12,473	2.83	6,237	18	8.49	18,710
165-166	1.41	3,107	2.36	5,201	8	3.77	8,308
167-168	2.36	5,201	1.41	3,107	8	3.77	8,308
169-170	4.72	10,402	4.71	10,379	20	9.43	20,781
171-172	3.77	8,308	1.42	3,129	11	5.19	11,437
173-174	2.36	5,201	1.41	3,107	8	3.77	8,308
175-176	1.89	4,165	1.41	3,107	7	3.30	7,272
177-178	1.89	4,165	--	--	4	1.89	4,165
179-180	2.36	5,201	.47	1,036	6	2.83	6,237
181-182	1.89	4,165	.94	2,071	6	2.83	6,237
183-184	1.42	3,129	.94	2,071	5	2.36	5,200
185-186	1.42	3,129	.94	2,071	5	2.36	5,200
187-188	--	--	.94	2,071	2	.94	2,071
189-190	.47	1,036	.47	1,036	2	.94	2,071
191-192	--	--	--	--	--	--	--
193-194	.47	1,036	--	--	1	.47	1,036
195-196	--	--	.47	1,036	1	.47	1,036
197-198	--	--	--	--	--	--	--
199-200	--	--	.47	1,036	1	.47	1,036
201-202	--	--	.47	1,036	1	.47	1,036
203-204	--	--	--	--	--	--	--
205-206	--	--	--	--	--	--	--
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	69.38	152,894	30.62	67,478	212	100.00	220,372

Appendix Table 7-1. Summary of Kodiak Area king crab commercial catch composition sampling from Portlock Bank, 1966-1967 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	--	--	--	--	--	--	--
137-138	--	--	--	--	--	--	--
139-140	--	--	--	--	--	--	--
141-142	--	--	--	--	--	--	--
143-144	--	--	--	--	--	--	--
145-146	--	--	--	--	--	--	--
147-148	--	--	--	--	--	--	--
149-150	--	--	--	--	--	--	--
151-152	--	--	--	--	--	--	--
153-154	--	--	--	--	--	--	--
155-156	--	--	--	--	--	--	--
157-158	--	--	--	--	--	--	--
159-160	--	--	--	--	--	--	--
161-162	--	--	--	--	--	--	--
163-164	--	--	--	--	--	--	--
165-166	2.00	1,856	--	--	2	2.00	1,856
167-168	1.00	928	--	--	1	1.00	928
169-170	--	--	--	--	--	--	--
171-172	--	--	--	--	--	--	--
173-174	3.00	2,784	--	--	3	3.00	2,784
175-176	2.00	1,856	--	--	2	2.00	1,856
177-178	4.00	3,712	--	--	4	4.00	3,712
179-180	4.00	3,712	--	--	4	4.00	3,712
181-182	11.00	10,209	1.00	928	12	12.00	11,137
183-184	7.00	6,496	1.00	928	8	8.00	7,424
185-186	6.00	5,568	1.00	928	7	7.00	6,496
187-188	8.00	7,424	--	--	8	8.00	7,424
189-190	6.00	5,568	2.00	1,856	8	8.00	7,424
191-192	10.00	9,281	2.00	1,856	12	12.00	11,137
193-194	4.00	3,712	--	--	4	4.00	3,712
195-196	6.00	5,569	3.00	2,784	9	9.00	8,353
197-198	4.00	3,712	2.00	1,856	6	6.00	5,568
199-200	1.00	928	--	--	1	1.00	928
201-202	5.00	4,640	--	--	5	5.00	4,640
203-204	2.00	1,856	--	--	2	2.00	1,856
205-206	1.00	928	1.00	928	2	2.00	1,856
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	87.00	80,739	13.00	12,064	100	100.00	92,803

Appendix Table 7-2. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 1, 1966-1967 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	--	--	--	--	--	--	--
137-138	--	--	--	--	--	--	--
139-140	--	--	--	--	--	--	--
141-142	.20	2,767	.20	2,766	4	.40	5,533
143-144	1.10	15,215	--	--	11	1.10	15,215
145-146	1.20	16,598	.20	2,766	14	1.40	19,364
147-148	.90	12,449	.40	5,533	13	1.30	17,982
149-150	1.50	20,748	.10	1,383	16	1.60	22,131
151-152	1.70	23,514	.50	6,916	22	2.20	30,430
153-154	2.20	30,430	.70	9,683	29	2.90	40,113
155-156	2.70	37,346	.70	9,683	34	3.40	47,029
157-158	2.20	30,430	.40	5,533	26	2.60	35,963
159-160	1.60	22,131	1.20	16,598	28	2.80	38,729
161-162	2.10	29,047	.80	11,066	29	2.90	40,113
163-164	2.20	30,430	1.00	13,832	32	3.20	44,262
165-166	2.10	29,047	1.80	24,898	39	3.90	53,945
167-168	1.90	26,281	1.40	19,365	33	3.30	45,646
169-170	2.10	29,047	1.30	17,982	34	3.40	47,029
171-172	3.09	42,741	1.70	23,514	48	4.79	66,255
173-174	4.79	66,255	3.00	41,496	78	7.79	107,751
175-176	3.09	42,741	2.00	27,664	51	5.09	70,405
177-178	3.39	46,891	2.30	31,814	57	5.69	78,705
179-180	4.59	63,489	1.40	19,365	60	5.99	82,854
181-182	2.89	39,975	1.60	22,131	45	4.49	62,106
183-184	3.09	42,741	1.00	13,832	41	4.09	56,573
185-186	3.29	45,507	2.10	29,047	54	5.39	74,554
187-188	2.89	39,975	1.10	15,215	40	3.99	55,190
189-190	2.59	35,825	1.80	24,898	44	4.39	60,723
191-192	1.70	23,514	1.00	13,832	27	2.70	37,346
193-194	1.60	22,132	.70	9,682	23	2.30	31,814
195-196	1.80	24,898	.50	6,916	23	2.30	31,814
197-198	1.30	17,982	.30	4,150	16	1.60	22,132
199-200	.70	9,682	.20	2,766	9	.90	12,448
201-202	.90	12,449	.10	1,383	10	1.00	13,832
203-204	.30	4,150	.20	2,766	5	.50	6,916
205-206	.30	4,150	.10	1,383	4	.40	5,533
207-208	--	--	--	--	--	--	--
209-210	.10	1,383	--	--	1	.10	1,383
211-212	--	--	--	--	--	--	--
213-214	.10	1,383	--	--	1	.10	1,383
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	68.20	943,343	31.80	439,858	1,001	100.00	1,383,201

Appendix Table 7-3. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 2, 1966-1967 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		No. crab in total sample	Totals	
	Percent of total sample	Est. of comm. catch (no.)	Percent of total sample	Est. of comm. catch (no.)		Percent of total sample	Est. of comm. catch (no.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	--	--	--	--	--	--	--
137-138	.02	929	--	--	1	.02	929
139-140	.07	3,253	--	--	3	.07	3,253
141-142	.10	4,647	.05	2,323	6	.15	6,970
143-144	.24	11,153	.10	4,647	14	.34	15,800
145-146	.73	33,923	.12	5,576	35	.85	39,499
147-148	.93	43,216	.12	5,576	43	1.05	48,792
149-150	1.73	80,392	.47	21,840	90	2.20	102,232
151-152	2.17	100,838	.27	12,547	100	2.44	113,385
153-154	2.29	106,414	.47	21,841	113	2.76	128,255
155-156	3.24	150,560	.76	35,317	164	4.00	185,877
157-158	4.17	193,777	.98	45,540	211	5.15	239,317
159-160	4.81	223,517	1.24	57,622	248	6.05	281,139
161-162	4.90	227,699	1.30	60,410	254	6.20	288,109
163-164	5.96	276,957	1.29	59,945	297	7.25	336,902
165-166	5.66	263,016	1.29	59,945	285	6.95	322,961
167-168	5.79	269,057	1.24	57,621	288	7.03	326,678
169-170	5.89	273,704	1.61	74,815	307	7.50	348,519
171-172	6.44	299,262	1.20	55,763	313	7.64	355,025
173-174	5.76	267,662	1.02	47,399	278	6.78	315,061
175-176	5.10	236,993	.95	44,146	248	6.05	281,139
177-178	4.39	204,000	.56	26,023	203	4.95	230,023
179-180	3.22	149,631	.29	13,476	144	3.51	163,107
181-182	3.47	161,248	.17	7,900	149	3.64	169,148
183-184	2.17	100,838	.12	5,576	94	2.29	106,414
185-186	1.91	88,756	.07	3,253	81	1.98	92,009
187-188	1.25	58,087	.02	929	52	1.27	59,016
189-190	.85	39,499	--	--	35	.85	39,499
191-192	.41	19,052	.05	2,323	19	.46	21,375
193-194	.22	10,223	.02	930	10	.24	11,153
195-196	.22	10,223	.05	2,324	11	.27	12,547
197-198	.02	929	--	--	1	.02	929
199-200	.02	929	--	--	1	.02	929
201-202	--	--	--	--	--	--	--
203-204	--	--	--	--	--	--	--
205-206	.02	929	--	--	1	.02	929
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	84.17	3,911,313	15.83	735,607	4,099	100.00	4,646,920

Appendix Table 7-4. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 3, 1966-1967 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (no.)	Percent of total sample	Est. of comm. catch (no.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (no.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	--	--	.05	959	1	.05	959
137-138	--	--	--	--	--	--	--
139-140	.14	2,686	--	--	3	.14	2,686
141-142	.05	960	.05	959	2	.10	1,919
143-144	.28	5,372	.10	1,919	8	.38	7,291
145-146	.95	18,227	.15	2,879	23	1.10	21,106
147-148	1.29	24,751	.47	9,018	37	1.76	33,769
149-150	2.00	38,374	.38	7,291	50	2.38	45,665
151-152	2.67	51,229	1.00	19,187	77	3.67	70,416
153-154	2.71	51,996	1.19	22,833	82	3.90	74,829
155-156	4.10	78,666	1.57	30,123	119	5.67	108,789
157-158	4.76	91,329	1.76	33,769	137	6.52	125,098
159-160	4.71	90,370	2.53	48,543	152	7.24	138,913
161-162	5.29	101,498	2.18	41,827	157	7.47	143,325
163-164	4.67	89,603	2.85	54,682	158	7.52	144,285
165-166	5.10	97,853	2.00	38,374	149	7.10	136,227
167-168	5.43	104,185	2.52	48,351	167	7.95	152,536
169-170	5.62	107,830	2.86	54,874	178	8.48	162,704
171-172	4.57	87,684	2.48	47,583	148	7.05	135,267
173-174	4.14	79,434	1.67	32,042	122	5.81	111,476
175-176	3.19	61,206	1.38	26,478	96	4.57	87,684
177-178	2.95	56,601	1.19	22,832	87	4.14	79,433
179-180	1.95	37,414	.52	9,977	52	2.47	47,391
181-182	1.43	27,437	.33	6,332	37	1.76	33,769
183-184	.81	15,541	.29	5,564	23	1.10	21,105
185-186	.71	13,623	.05	959	16	.76	14,582
187-188	.33	6,332	.15	2,878	10	.48	9,210
189-190	.14	2,686	--	--	3	.14	2,686
191-192	.10	1,919	--	--	2	.10	1,919
193-194	.10	1,919	.04	767	3	.14	2,686
195-196	.05	959	--	--	1	.05	959
197-198	--	--	--	--	--	--	--
199-200	--	--	--	--	--	--	--
201-202	--	--	--	--	--	--	--
203-204	--	--	--	--	--	--	--
205-206	--	--	--	--	--	--	--
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	70.24	1,347,684	29.76	571,000	2,100	100.00	1,918,684

Appendix Table 7-5. Summary of Kodiak Area king crab commercial catch composition sampling from Stocks 4-6, 1966-1967 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	--	--	--	--	--	--	--
137-138	--	--	--	--	--	--	--
139-140	--	--	--	--	--	--	--
141-142	.33	1,234	--	--	1	.33	1,234
143-144	.67	2,505	--	--	2	.67	2,505
145-146	--	--	--	--	--	--	--
147-148	.33	1,234	--	--	1	.33	1,234
149-150	.33	1,234	--	--	1	.33	1,234
151-152	.33	1,234	--	--	1	.33	1,234
153-154	.67	2,505	--	--	2	.67	2,505
155-156	1.67	6,244	.33	1,234	6	2.00	7,478
157-158	.67	2,505	.33	1,234	3	1.00	3,739
159-160	2.67	9,983	--	--	8	2.67	9,983
161-162	2.66	9,946	.67	2,505	10	3.33	12,451
163-164	3.00	11,217	1.67	6,244	14	4.67	17,461
165-166	4.34	16,227	.33	1,234	14	4.67	17,461
167-168	5.33	19,929	1.67	6,244	21	7.00	26,173
169-170	6.67	24,939	1.33	4,973	24	8.00	29,912
171-172	2.67	9,983	--	--	8	2.67	9,983
173-174	5.67	21,201	1.33	4,973	21	7.00	26,174
175-176	7.00	26,174	1.67	6,245	26	8.67	32,419
177-178	5.67	21,200	1.00	3,739	20	6.67	24,939
179-180	5.33	19,930	.67	2,505	18	6.00	22,435
181-182	2.66	9,946	.67	2,505	10	3.33	12,451
183-184	3.00	11,217	.67	2,505	11	3.67	13,722
185-186	3.00	11,218	1.00	3,739	12	4.00	14,957
187-188	5.33	19,929	--	--	16	5.33	19,929
189-190	2.33	8,712	.67	2,505	9	3.00	11,217
191-192	.67	2,505	--	--	2	.67	2,505
193-194	2.33	8,712	.67	2,505	9	3.00	11,217
195-196	1.67	6,244	1.00	3,739	8	2.67	9,983
197-198	1.67	6,244	.33	1,234	6	2.00	7,478
199-200	1.33	4,973	--	--	4	1.33	4,973
201-202	1.33	4,973	--	--	4	1.33	4,973
203-204	.33	1,234	.67	2,505	3	1.00	3,739
205-206	1.00	3,739	--	--	3	1.00	3,739
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	.33	1,234	--	--	1	.33	1,234
213-214	.33	1,234	--	--	1	.33	1,234
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	83.32	311,538	16.68	62,367	300	100.00	373,905

Appendix Table 8-1. Summary of Kodiak Area king crab commercial catch composition sampling from Portlock Bank, 1967-1968 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	--	--	--	--	--	--	--
137-138	--	--	--	--	--	--	--
139-140	--	--	--	--	--	--	--
141-142	--	--	--	--	--	--	--
143-144	--	--	--	--	--	--	--
145-146	--	--	--	--	--	--	--
147-148	--	--	--	--	--	--	--
149-150	--	--	--	--	--	--	--
151-152	--	--	--	--	--	--	--
153-154	--	--	--	--	--	--	--
155-156	1.01	1,392	--	--	1	1.01	1,392
157-158	--	--	--	--	--	--	--
159-160	--	--	--	--	--	--	--
161-162	1.01	1,392	--	--	1	1.01	1,392
163-164	--	--	--	--	--	--	--
165-166	--	--	--	--	--	--	--
167-168	1.01	1,392	--	--	1	1.01	1,392
169-170	1.01	1,392	--	--	1	1.01	1,392
171-172	3.03	4,175	--	--	3	3.03	4,175
173-174	2.02	2,784	2.02	2,784	4	4.04	5,568
175-176	7.07	9,744	--	--	7	7.07	9,744
177-178	1.01	1,392	1.01	1,392	2	2.02	2,784
179-180	1.01	1,392	1.01	1,392	2	2.02	2,784
181-182	6.06	8,351	3.03	4,175	9	9.09	12,526
183-184	--	--	2.02	2,784	2	2.02	2,784
185-186	2.02	2,784	6.06	8,351	8	8.08	11,135
187-188	2.02	2,784	4.04	5,568	6	6.06	8,352
189-190	3.03	4,175	2.02	2,784	5	5.05	6,959
191-192	6.06	8,351	3.04	4,189	9	9.10	12,540
193-194	5.05	6,959	3.03	4,175	8	8.08	11,134
195-196	2.02	2,784	1.01	1,392	3	3.03	4,176
197-198	5.05	6,959	2.02	2,784	7	7.07	9,743
199-200	5.05	6,959	--	--	5	5.05	6,959
201-202	--	--	5.05	6,959	5	5.05	6,959
203-204	1.01	1,392	--	--	1	1.01	1,392
205-206	3.03	4,175	1.01	1,392	4	4.04	5,567
207-208	1.01	1,392	1.01	1,392	2	2.02	2,784
209-210	--	--	1.01	1,392	1	1.01	1,392
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	2.02	2,784	--	--	2	2.02	2,784
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	61.61	84,904	38.39	52,905	99	100.00	137,809

Appendix Table 8-2. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 1, 1967-1968 Fishing Year.

Length range (mm)	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	--	--	--	--	--	--	--
137-138	--	--	--	--	--	--	--
139-140	--	--	--	--	--	--	--
141-142	1.35	11,878	--	--	2	1.35	11,878
143-144	--	--	--	--	--	--	--
145-146	.68	5,983	--	--	1	.68	5,983
147-148	--	--	--	--	--	--	--
149-150	1.35	11,878	--	--	2	1.35	11,878
151-152	2.03	17,861	--	--	3	2.03	17,861
153-154	1.35	11,878	--	--	2	1.35	11,878
155-156	4.05	35,633	--	--	6	4.05	35,633
157-158	2.03	17,861	.67	5,895	4	2.70	23,756
159-160	1.35	11,878	--	--	2	1.35	11,878
161-162	5.41	47,599	--	--	8	5.41	47,599
163-164	1.35	11,878	.68	5,983	3	2.03	17,861
165-166	.68	5,983	--	--	1	.68	5,983
167-168	2.70	23,755	.68	5,983	5	3.38	29,738
169-170	6.08	53,494	.68	5,983	10	6.76	59,477
171-172	4.73	41,616	.68	5,983	8	5.41	47,599
173-174	.67	5,895	.68	5,983	2	1.35	11,878
175-176	1.35	11,878	--	--	2	1.35	11,878
177-178	1.35	11,878	1.35	11,877	4	2.70	23,755
179-180	2.70	23,755	1.35	11,877	6	4.05	35,632
181-182	3.38	29,738	--	--	5	3.38	29,738
183-184	4.05	35,633	2.03	17,861	9	6.08	53,494
185-186	2.02	17,773	2.03	17,861	6	4.05	35,634
187-188	3.38	29,738	2.03	17,861	8	5.41	47,599
189-190	4.05	35,633	3.38	29,738	11	7.43	65,371
191-192	--	--	2.70	23,755	4	2.70	23,755
193-194	3.38	29,738	2.70	23,756	9	6.08	53,494
195-196	2.70	23,756	1.35	11,877	6	4.05	35,633
197-198	4.05	35,633	2.03	17,861	9	6.08	53,494
199-200	1.35	11,878	--	--	2	1.35	11,878
201-202	1.35	11,878	.68	5,983	3	2.03	17,861
203-204	.67	5,895	.68	5,983	2	1.35	11,878
205-206	.68	5,983	.67	5,895	2	1.35	11,878
207-208	--	--	.68	5,983	1	.68	5,983
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	72.27	635,857	27.73	243,978	148	100.00	879,835

Appendix Table 8-3. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 2, 1967-1968 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		No. crab in total sample	Totals	
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)		Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	--	--	--	--	--	--	--
137-138	.33	3,559	--	--	2	.33	3,559
139-140	.17	1,834	.17	1,833	2	.34	3,667
141-142	.50	5,392	--	--	3	.50	5,392
143-144	1.00	10,784	.50	5,392	9	1.50	16,176
145-146	2.50	26,961	.67	7,225	19	3.17	34,186
147-148	2.00	21,569	.50	5,392	15	2.50	26,961
149-150	4.50	48,529	.67	7,225	31	5.17	55,754
151-152	3.33	35,912	.33	3,559	22	3.66	39,471
153-154	3.00	32,353	1.67	18,010	28	4.67	50,363
155-156	3.00	32,353	1.50	16,176	27	4.50	48,529
157-158	3.33	35,912	.83	8,951	25	4.16	44,863
159-160	4.17	44,970	1.33	14,344	33	5.50	59,314
161-162	3.17	34,186	2.66	28,686	35	5.83	62,872
163-164	3.50	37,745	3.50	37,745	42	7.00	75,490
165-166	2.83	30,519	3.33	35,912	37	6.16	66,431
167-168	1.67	18,010	3.50	37,745	31	5.17	55,755
169-170	2.17	23,402	3.00	32,353	31	5.17	55,755
171-172	2.17	23,402	3.00	32,353	31	5.17	55,755
173-174	3.16	34,078	2.67	28,794	35	5.83	62,872
175-176	1.83	19,735	2.50	26,961	26	4.33	46,696
177-178	2.50	26,961	2.50	26,961	30	5.00	53,922
179-180	1.66	17,902	.67	7,225	14	2.33	25,127
181-182	1.33	14,343	1.67	18,010	18	3.00	32,353
183-184	.67	7,225	1.67	18,010	14	2.34	25,235
185-186	1.00	10,784	.83	8,951	11	1.83	19,735
187-188	1.17	12,618	.50	5,392	10	1.67	18,010
189-190	.83	8,951	.33	3,559	7	1.16	12,510
191-192	.17	1,833	.33	3,559	3	.50	5,392
193-194	.33	3,559	.33	3,559	4	.66	7,118
195-196	.17	1,833	.17	1,833	2	.34	3,666
197-198	.17	1,833	.17	1,833	2	.34	3,666
199-200	.17	1,833	--	--	1	.17	1,833
201-202	--	--	--	--	--	--	--
203-204	--	--	--	--	--	--	--
205-206	--	--	--	--	--	--	--
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	58.50	630,880	41.50	447,548	600	100.00	1,078,428

Appendix Table 8-4. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 3, 1967-1968 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	.10	2,598	--	--	2	.10	2,598
137-138	--	--	--	--	--	--	--
139-140	.10	2,598	.05	1,299	3	.15	3,897
141-142	.30	7,794	--	--	6	.30	7,794
143-144	.60	15,588	--	--	12	.60	15,588
145-146	1.40	36,372	.15	3,897	31	1.55	40,269
147-148	1.40	36,372	.30	7,794	34	1.70	44,166
149-150	2.40	62,352	.50	12,990	58	2.90	75,342
151-152	3.10	80,538	.40	10,392	70	3.50	90,930
153-154	3.55	92,229	1.05	27,278	92	4.60	119,507
155-156	2.70	70,146	.80	20,784	70	3.50	90,930
157-158	3.65	94,826	1.40	36,372	101	5.05	131,198
159-160	3.85	100,022	1.75	45,465	112	5.60	145,487
161-162	3.75	97,424	1.95	50,661	114	5.70	148,085
163-164	3.75	97,424	3.15	81,837	138	6.90	179,261
165-166	4.70	122,105	2.55	66,249	145	7.25	188,354
167-168	4.55	118,208	3.05	79,238	152	7.60	197,446
169-170	4.40	114,311	2.65	68,847	141	7.05	183,158
171-172	4.45	115,610	2.65	68,847	142	7.10	184,457
173-174	4.45	115,610	2.20	57,156	133	6.65	172,766
175-176	3.50	90,930	1.85	48,062	107	5.35	138,992
177-178	3.80	98,723	1.10	28,578	98	4.90	127,301
179-180	2.40	62,352	1.25	32,474	73	3.65	94,826
181-182	2.40	62,352	.35	9,093	55	2.75	71,445
183-184	1.40	36,372	.45	11,691	37	1.85	48,063
185-186	1.10	28,578	.60	15,588	34	1.70	44,166
187-188	.80	20,784	.05	1,299	17	.85	22,083
189-190	.40	10,392	.10	2,598	10	.50	12,990
191-192	.05	1,299	.15	3,897	4	.20	5,196
193-194	.15	3,897	.05	1,299	4	.20	5,196
195-196	.10	2,598	.05	1,299	3	.15	3,897
197-198	--	--	.05	1,299	1	.05	1,299
199-200	.05	1,299	--	--	1	.05	1,299
201-202	--	--	--	--	--	--	--
203-204	--	--	--	--	--	--	--
205-206	--	--	--	--	--	--	--
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	69.35	1,801,703	30.65	796,283	2,000	100.00	2,597,986

Appendix Table 9-1. Summary of Kodiak Area king crab commercial catch composition sampling from Portlock Bank, 1968-1969 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	--	--	--	--	--	--	--
137-138	.20	78	--	--	1	.20	78
139-140	.20	78	--	--	1	.20	78
141-142	.40	156	--	--	2	.40	156
143-144	1.38	537	--	--	7	1.38	537
145-146	2.96	1,151	.60	233	18	3.56	1,384
147-148	3.75	1,458	.20	78	20	3.95	1,536
149-150	4.33	1,684	.59	229	25	4.92	1,913
151-152	4.55	1,769	.79	307	27	5.34	2,076
153-154	3.35	1,302	.40	156	19	3.75	1,458
155-156	5.34	2,076	1.38	537	34	6.72	2,613
157-158	3.36	1,306	1.19	463	23	4.55	1,769
159-160	5.13	1,995	1.19	463	32	6.32	2,458
161-162	4.15	1,614	1.19	463	27	5.34	2,077
163-164	2.17	844	.79	307	15	2.96	1,151
165-166	.99	385	.79	307	9	1.78	692
167-168	1.58	614	.79	307	12	2.37	921
169-170	1.38	537	1.78	692	16	3.16	1,229
171-172	2.37	921	1.38	537	19	3.75	1,458
173-174	1.58	614	1.38	537	15	2.96	1,151
175-176	2.97	1,154	2.37	922	27	5.34	2,076
177-178	.40	156	.79	307	6	1.19	463
179-180	.59	229	1.98	770	13	2.57	999
181-182	2.38	925	2.17	844	23	4.55	1,769
183-184	.59	229	1.98	770	13	2.57	999
185-186	.20	78	.99	385	6	1.19	463
187-188	.40	156	1.18	458	8	1.58	614
189-190	.99	385	4.73	1,839	29	5.72	2,224
191-192	.40	156	1.58	614	10	1.98	770
193-194	.40	156	.98	381	7	1.38	537
195-196	.40	156	.79	307	6	1.19	463
197-198	.40	156	1.18	458	8	1.58	614
199-200	.20	78	1.58	614	9	1.78	692
201-202	.20	78	1.18	459	7	1.38	537
203-204	.79	307	.40	156	6	1.19	463
205-206	--	--	.20	78	1	.20	78
207-208	--	--	.20	78	1	.20	78
209-210	--	--	.40	156	2	.40	156
211-212	--	--	.20	78	1	.20	78
213-214	--	--	.20	78	1	.20	78
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	60.48	23,518	39.52	15,368	506	100.00	38,886

Appendix Table 9-2. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 1, 1968-1969 Fishing Year.

Length range (mm)	Exuviants		Anexuviants		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	.10	538	1	.10	538
135-136	--	--	--	--	--	--	--
137-138	.19	1,022	--	--	2	.19	1,022
139-140	.10	538	--	--	1	.10	538
141-142	--	--	--	--	--	--	--
143-144	.86	4,625	.09	484	10	.95	5,109
145-146	1.90	10,217	--	--	20	1.90	10,217
147-148	3.05	16,401	.09	484	33	3.14	16,885
149-150	5.81	31,244	.19	1,022	63	6.00	32,266
151-152	6.00	32,265	.19	1,022	65	6.19	33,287
153-154	8.27	44,473	.29	1,559	90	8.56	46,032
155-156	8.19	44,043	.29	1,559	89	8.48	45,602
157-158	7.05	37,912	.57	3,065	80	7.62	40,977
159-160	6.48	34,847	.38	2,043	72	6.86	36,890
161-162	3.34	17,961	.76	4,087	43	4.10	22,048
163-164	3.62	19,467	.48	2,581	43	4.10	22,048
165-166	3.05	16,401	.09	484	33	3.14	16,885
167-168	2.66	14,304	.48	2,581	33	3.14	16,885
169-170	1.33	7,152	.38	2,043	18	1.71	9,195
171-172	1.71	9,195	.86	4,625	27	2.57	13,820
173-174	1.05	5,646	.47	2,528	16	1.52	8,174
175-176	.95	5,109	.67	3,603	17	1.62	8,712
177-178	1.24	6,668	.38	2,044	17	1.62	8,712
179-180	1.43	7,690	.67	3,603	22	2.10	11,293
181-182	.86	4,625	.38	2,043	13	1.24	6,668
183-184	1.14	6,130	.86	4,625	21	2.00	10,755
185-186	1.05	5,646	.76	4,087	19	1.81	9,733
187-188	1.52	8,174	.86	4,625	25	2.38	12,799
189-190	1.14	6,130	1.62	8,712	29	2.76	14,842
191-192	1.14	6,131	1.05	5,646	23	2.19	11,777
193-194	.47	2,527	1.43	7,690	20	1.90	10,217
195-196	1.05	5,646	1.24	6,668	24	2.29	12,314
197-198	1.14	6,130	1.24	6,668	25	2.38	12,798
199-200	.38	2,043	.57	3,066	10	.95	5,109
201-202	.57	3,065	.67	3,603	13	1.24	6,668
203-204	.47	2,527	.48	2,581	10	.95	5,108
205-206	.48	2,582	.38	2,043	9	.86	4,625
207-208	.19	1,022	.29	1,559	5	.48	2,581
209-210	.38	2,043	.19	1,022	6	.57	3,065
211-212	.10	538	--	--	1	.10	538
213-214	.10	538	.09	484	2	.19	1,022
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	80.46	432,677	19.54	105,077	1,050	100.00	537,754

Appendix Table 9-3. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 2, 1968-1969 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	.05	290	--	--	1	.05	290
137-138	.10	579	--	--	2	.10	579
139-140	--	--	.05	289	1	.05	289
141-142	.57	3,300	--	--	11	.57	3,300
143-144	.67	3,879	--	--	13	.67	3,879
145-146	2.26	13,085	.31	1,795	50	2.57	14,880
147-148	4.58	26,518	.36	2,084	96	4.94	28,602
149-150	5.56	32,191	.77	4,458	123	6.33	36,649
151-152	8.91	51,587	.57	3,300	184	9.48	54,887
153-154	6.74	39,023	.83	4,806	147	7.57	43,829
155-156	7.41	42,902	.52	3,011	154	7.93	45,913
157-158	7.62	44,118	.57	3,300	159	8.19	47,418
159-160	7.15	41,397	.52	3,011	149	7.67	44,408
161-162	7.57	43,829	.82	4,748	163	8.39	48,577
163-164	4.43	25,649	.82	4,748	102	5.25	30,397
165-166	4.53	26,228	.67	3,879	101	5.20	30,107
167-168	3.71	21,480	.82	4,748	88	4.53	26,228
169-170	2.47	14,301	.93	5,385	66	3.40	19,686
171-172	3.19	18,469	.82	4,748	78	4.01	23,217
173-174	1.95	11,290	1.29	7,469	63	3.24	18,759
175-176	1.85	10,711	.67	3,879	49	2.52	14,590
177-178	.72	4,169	.67	3,879	27	1.39	8,048
179-180	.57	3,300	.51	2,953	21	1.08	6,253
181-182	.62	3,590	.77	4,458	27	1.39	8,048
183-184	.67	3,879	.36	2,084	20	1.03	5,963
185-186	.10	579	.47	2,721	11	.57	3,300
187-188	.31	1,795	.10	579	8	.41	2,374
189-190	.20	1,158	.21	1,216	8	.41	2,374
191-192	.36	2,084	.05	290	8	.41	2,374
193-194	--	--	.10	579	2	.10	579
195-196	.05	289	--	--	1	.05	289
197-198	--	--	.15	868	3	.15	868
199-200	.05	289	.10	579	3	.15	868
201-202	.05	290	.05	289	2	.10	579
203-204	.05	290	.05	289	2	.10	579
205-206	--	--	--	--	--	--	--
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	85.07	492,538	14.93	86,442	1,943	100.00	578,980

Appendix Table 9-4. Summary of Kodiak Area king crab commercial catch composition sampling from Stock 3, 1968-1969 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	.13	1,156	--	--	1	.13	1,156
137-138	--	--	.13	1,155	1	.13	1,155
139-140	.25	2,223	.13	1,155	3	.38	3,378
141-142	.37	3,290	.13	1,155	4	.50	4,445
143-144	1.25	11,114	.13	1,156	11	1.38	12,270
145-146	4.01	35,654	.25	2,223	34	4.26	37,877
147-148	6.27	55,749	.25	2,223	52	6.52	57,972
149-150	7.14	63,485	.13	1,156	58	7.27	64,641
151-152	6.76	60,106	.38	3,379	57	7.14	63,485
153-154	9.64	85,713	1.50	13,337	89	11.14	99,050
155-156	7.52	66,863	.50	4,446	64	8.02	71,309
157-158	8.14	72,376	.87	7,736	72	9.01	80,112
159-160	5.52	49,081	.75	6,668	50	6.27	55,749
161-162	4.76	42,323	2.01	17,872	54	6.77	60,195
163-164	4.13	36,722	1.63	14,493	46	5.76	51,215
165-166	2.88	25,607	1.38	12,270	34	4.26	37,877
167-168	2.63	23,384	.63	5,602	26	3.26	28,986
169-170	1.50	13,337	1.50	13,337	24	3.00	26,674
171-172	3.01	26,763	1.00	8,891	32	4.01	35,655
173-174	1.76	15,649	.50	4,446	18	2.26	20,095
175-176	1.63	14,493	.75	6,669	19	2.38	21,162
177-178	.63	5,602	.87	7,736	12	1.50	13,337
179-180	.87	7,736	.63	5,602	12	1.50	13,337
181-182	.13	1,156	.25	2,223	3	.38	3,379
183-184	.75	6,668	.38	3,379	9	1.13	10,047
185-186	.38	3,379	.25	2,223	5	.63	5,602
187-188	.38	3,379	.37	3,290	6	.75	6,669
189-190	--	--	.13	1,156	1	.13	1,156
191-192	.13	1,156	--	--	1	.13	1,156
193-194	--	--	--	--	--	--	--
195-196	--	--	--	--	--	--	--
197-198	--	--	--	--	--	--	--
199-200	--	--	--	--	--	--	--
201-202	--	--	--	--	--	--	--
203-204	--	--	--	--	--	--	--
205-206	--	--	--	--	--	--	--
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	--	--	--	--	--	--	--
Totals	82.57	734,164	17.43	154,977	798	100.00	889,141

Appendix Table 9-5. Summary of Kodiak Area king crab commercial catch composition sampling from Stocks 4-6, 1968-1969 Fishing Year.

Length range (mm)	Exuvians		Anexuvians		Totals		
	Percent of total sample	Est. of comm. catch (No.)	Percent of total sample	Est. of comm. catch (No.)	No. crab in total sample	Percent of total sample	Est. of comm. catch (No.)
131-132	--	--	--	--	--	--	--
133-134	--	--	--	--	--	--	--
135-136	--	--	--	--	--	--	--
137-138	--	--	--	--	--	--	--
139-140	--	--	--	--	--	--	--
141-142	.63	2,132	.15	508	5	.78	2,640
143-144	1.85	6,262	.15	508	13	2.00	6,770
145-146	2.47	8,360	--	--	16	2.47	8,360
147-148	4.63	15,671	--	--	31	4.63	15,671
149-150	6.63	22,440	.46	1,557	46	7.09	23,997
151-152	9.08	30,733	1.09	3,689	66	10.17	34,422
153-154	7.54	25,520	.92	3,114	55	8.46	28,634
155-156	9.24	31,274	1.24	4,197	68	10.48	35,471
157-158	7.38	24,979	.62	2,098	52	8.00	27,077
159-160	5.85	19,800	.31	1,049	40	6.16	20,849
161-162	5.54	18,751	.78	2,640	41	6.32	21,391
163-164	5.23	17,702	.92	3,113	40	6.15	20,815
165-166	3.39	11,474	.15	508	23	3.54	11,982
167-168	3.39	11,474	.15	508	23	3.54	11,982
169-170	2.92	9,883	.31	1,049	21	3.23	10,932
171-172	3.24	10,966	.47	1,591	24	3.71	12,557
173-174	1.85	6,262	.77	2,606	17	2.62	8,868
175-176	.93	3,148	.31	1,049	8	1.24	4,197
177-178	1.38	4,671	.31	1,049	11	1.69	5,720
179-180	1.09	3,689	.31	1,049	9	1.40	4,738
181-182	.31	1,049	--	--	2	.31	1,049
183-184	.31	1,049	.15	508	3	.46	1,557
185-186	1.09	3,689	.93	3,148	13	2.02	6,837
187-188	.31	1,049	.15	508	3	.46	1,557
189-190	.46	1,557	.31	1,049	5	.77	2,606
191-192	.62	2,098	--	--	4	.62	2,098
193-194	.15	508	--	--	1	.15	508
195-196	.31	1,049	--	--	2	.31	1,049
197-198	.31	1,049	.15	508	3	.46	1,557
199-200	--	--	.15	508	1	.15	508
201-202	.31	1,049	--	--	2	.31	1,049
203-204	--	--	.15	508	1	.15	508
205-206	--	--	--	--	--	--	--
207-208	--	--	--	--	--	--	--
209-210	--	--	--	--	--	--	--
211-212	--	--	--	--	--	--	--
213-214	--	--	--	--	--	--	--
215-216	--	--	--	--	--	--	--
217-218	--	--	--	--	--	--	--
219-220	--	--	--	--	--	--	--
221-222	.15	508	--	--	1	.15	508
Totals	88.59	299,845	11.41	38,619	650	100.00	338,464

Appendix Table 10.--Comparison between fishing years of proportion and estimated number of recruit and post-recruit king crabs in commercial catches of each environmental zone of Stock 3, Kodiak Area, 1960-1969.

Zone	Fishing Year	Total crabs sampled	Comm. catch (no.)	Recruit crabs		Post-recruit crabs	
				Percentage of sample	Estimated no. in comm. catch	Percentage of sample	Estimated no. in comm. catch
1	1960-1961	0	86,634	--	--	--	--
	1961-1962	0	234,893	--	--	--	--
	1962-1963	0	44,765	--	--	--	--
	1963-1964	0	387	--	--	--	--
	1964-1965	0	N.C. ^{2/}	--	--	--	--
	1965-1966	0	N.C.	--	--	--	--
	1966-1967	0	3,268	--	--	--	--
	1967-1968	0	17,150	--	--	--	--
	1968-1969	0	3,100	--	--	--	--
2	1960-1961	0	86,363	--	--	--	--
	1961-1962	100	234,893	35.0	82,213	65.0	152,680
	1962-1963	0	44,668	--	--	--	--
	1963-1964	0	10,943	--	--	--	--
	1964-1965	0	30,652	--	--	--	--
	1965-1966	0	7,434	--	--	--	--
	1966-1967	0	1,504	--	--	--	--
	1967-1968	0	21,095	--	--	--	--
	1968-1969	0	3,200	--	--	--	--
3	1960-1961	168	313,787	5.4	16,944	94.6	296,843
	1961-1962	2,452	357,130	39.8	142,138	60.2	214,992
	1962-1963	391	698,439	25.8	180,197	74.2	518,242
	1963-1964	926	310,871	35.1	109,116	64.9	201,755
	1964-1965	951	132,439	60.9	80,655	39.1	51,784
	1965-1966	168	528,693	61.3	324,089	38.7	204,604
	1966-1967	300	382,649	14.7	56,249	85.3	326,400
	1967-1968	150	178,329	48.0	85,598	52.0	92,731
	1968-1969	50	68,452	68.0	46,547	32.0	21,905
7	1960-1961	0	N.C.	--	--	--	--
	1961-1962	0	N.C.	--	--	--	--
	1962-1963	0	N.C.	--	--	--	--
	1963-1964	0	116,809	--	--	--	--
	1964-1965	0	19,240	--	--	--	--
	1965-1966	0	45,779	--	--	--	--
	1966-1967	300	580,706	34.7	201,505	65.3	379,201
	1967-1968	900	1,229,003	32.2	395,739	67.8	833,264
	1968-1969	150	264,975	74.0	196,082	26.0	68,893
8	1960-1961	0	313,786	--	--	--	--
	1961-1962	239	357,129	36.4	129,995	63.6	227,134
	1962-1963	0	578,217	--	--	--	--
	1963-1964	3,525	295,570	55.7	164,632	44.3	130,938
	1964-1965	324	262,435	72.2	189,478	27.8	72,957
	1965-1966	1,241	899,085	47.4	426,166	52.6	472,917
	1966-1967	1,500	922,564	36.5	342,271	63.5	580,293
	1967-1968	900	1,047,286	24.8	259,727	75.2	787,559
	1968-1969	500	459,812	62.6	287,842	37.4	171,970

Appendix Table 10 - Continued.

Zone	Fishing Year	Total crabs sampled	Comm. catch (no.)	Recruit crabs		Post-recruit crabs	
				Percentage of sample	Estimated no. in comm. catch	Percentage of sample	Estimated no. in comm. catch
9	1960-1961	0	N.C.	--	--	--	--
	1961-1962	0	N.C.	--	--	--	--
	1962-1963	0	N.C.	--	--	--	--
	1963-1964 ^{3/}	160	N.C.	35.0	--	65.0	--
	1964-1965	0	3,200	--	--	--	--
	1965-1966	0	31,055	--	--	--	--
	1966-1967	0	27,993	--	--	--	--
	1967-1968	50	105,123	22.0	23,127	78.0	81,996
	1968-1969	98	86,640	54.1	46,872	45.9	39,768

1/ No catches were reported from Environmental Zone 6 between 1960 and 1969. Zone 4 is non-existent. Zone 5 is non-existent in Stock 3.

2/ No catch reported.

3/ 160 crabs sampled from Zone 9 in '63-'64. No commercial catch reported from this area.

Appendix Table II.--Definition of Kodiak Area king crab environmental zones.

<u>Depth</u>	<u>Distance from shore</u>
Shallow - 0 to 50 fathoms	Inshore - includes the bays.
Deep - 51 to 100 fathoms	Nearshore - beyond the mouths of bays or beyond the outer coast. Not to exceed 30 miles from shore.
Very deep - 101 to 250 fathoms	Offshore - The region more distant than 30 miles from shore.

Zone

- 1 - Inshore shallow
- 2 - Inshore shallow deep
- 3 - Nearshore shallow
- 5 - Nearshore deep
- 6 - Nearshore very deep
- 7 - Offshore shallow
- 8 - Offshore deep
- 9 - Offshore very deep

Appendix Table 12.--Commercial king crab harvests in number and pounds by stock and fishing year, Kodiak Area, 1960-1969

Fishing Year	Stock 1		Stock 2		Stock 3		Stocks 4-6		Totals	
	No.	Lbs.	No.	Lbs.	No.	Lbs.	No.	Lbs.	No.	Lbs.
1960-1961	231,297	2,165,810	642,595	7,222,186	800,300	7,465,905	228,760	2,214,182	1,902,952	19,068,083
1961-1962	516,337	4,715,761	874,240	8,831,367	1,184,045	9,698,995	741,781	6,966,160	3,316,403	30,212,283
1962-1963	930,740	9,225,745	1,239,486	11,868,151	1,366,089	10,790,854	401,037	3,949,855	3,937,352	35,834,605
1963-1964	1,759,951	17,316,680	1,361,247	12,300,269	734,580	5,780,145	512,998	4,071,828	4,368,766	39,468,922
1964-1965	1,370,985	13,523,880	2,668,853	21,162,531	447,966	3,452,449	345,240	2,817,291	4,833,044	40,956,151
1965-1966	2,371,524	23,340,867	7,118,245	58,567,160	1,512,046	12,095,984	220,372	1,769,045	11,222,187	95,773,056
1966-1967	1,476,004	14,932,618	4,646,920	39,229,139	1,918,684	15,555,808	373,905	3,361,190	8,415,513	73,078,755
1967-1968	1,017,644	9,932,530	1,078,428	8,377,550	2,597,986	21,131,988	485,646	4,424,755	5,179,704	43,866,823
1968-1969 ^{1/}	576,343	5,087,077	578,980	4,162,539	889,141	6,728,071	338,464	2,628,085	2,382,928	18,605,772

^{1/} Catches for 1968-1969 fishing year are preliminary and subject to minor changes.

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