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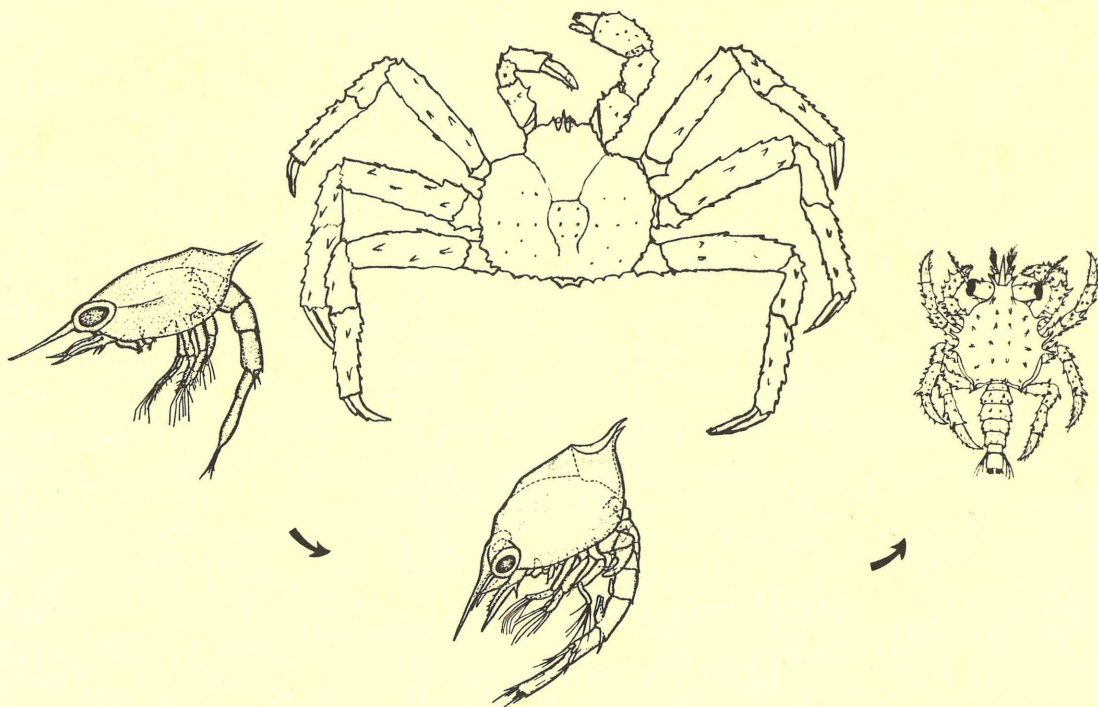
**National Marine  
Fisheries Service**

US DEPARTMENT OF COMMERCE

**NWAFRC PROCESSED REPORT 84-17**

**REPORT TO INDUSTRY ON THE 1984  
EASTERN BERING SEA CRAB SURVEY**

**OCTOBER 1984**



This report does not constitute a publication and is for information only.  
All data herein are to be considered provisional.



Northwest and Alaska Fisheries Center Processed Report 84-17  
Report to Industry on the  
1984  
Eastern Bering Sea  
Crab Survey

by

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## The 1984 Eastern Bering Sea Survey

An annual trawl survey is conducted in the eastern Bering Sea to determine the distribution and abundance of crab and groundfish resources. This report summarizes survey results for commercially important crabs. It is intended to aid fishermen and processors in locating productive grounds and judging overall availability of various species. Survey derived data are also used as part of the basis for management decisions. Red king crab (*Paralithodes camtschatica*), blue king crab (*P. platypus*), Korean hair crab (*Erimacrus isenbeckii*), and two species of tanner crab (*Chionoecetes bairdi* and *C. opilio*), are of primary interest. Hybrid tanner crab are also discussed. Information on groundfish resources is available from the National Marine Fisheries Service's Seattle Laboratory (7600 Sand Point Way NE, BIN C15700, Seattle, Washington 98115).

### Survey Area and Methods

Areas covered by the 1983 and 1984 surveys were nearly identical (Fig. 1). The survey was conducted by the NOAA R/V Chapman and the University of Washington R/V Alaska (charter) between June 9 and August 10. Methodology was similar to that of previous surveys in that most tows were made at the centers of

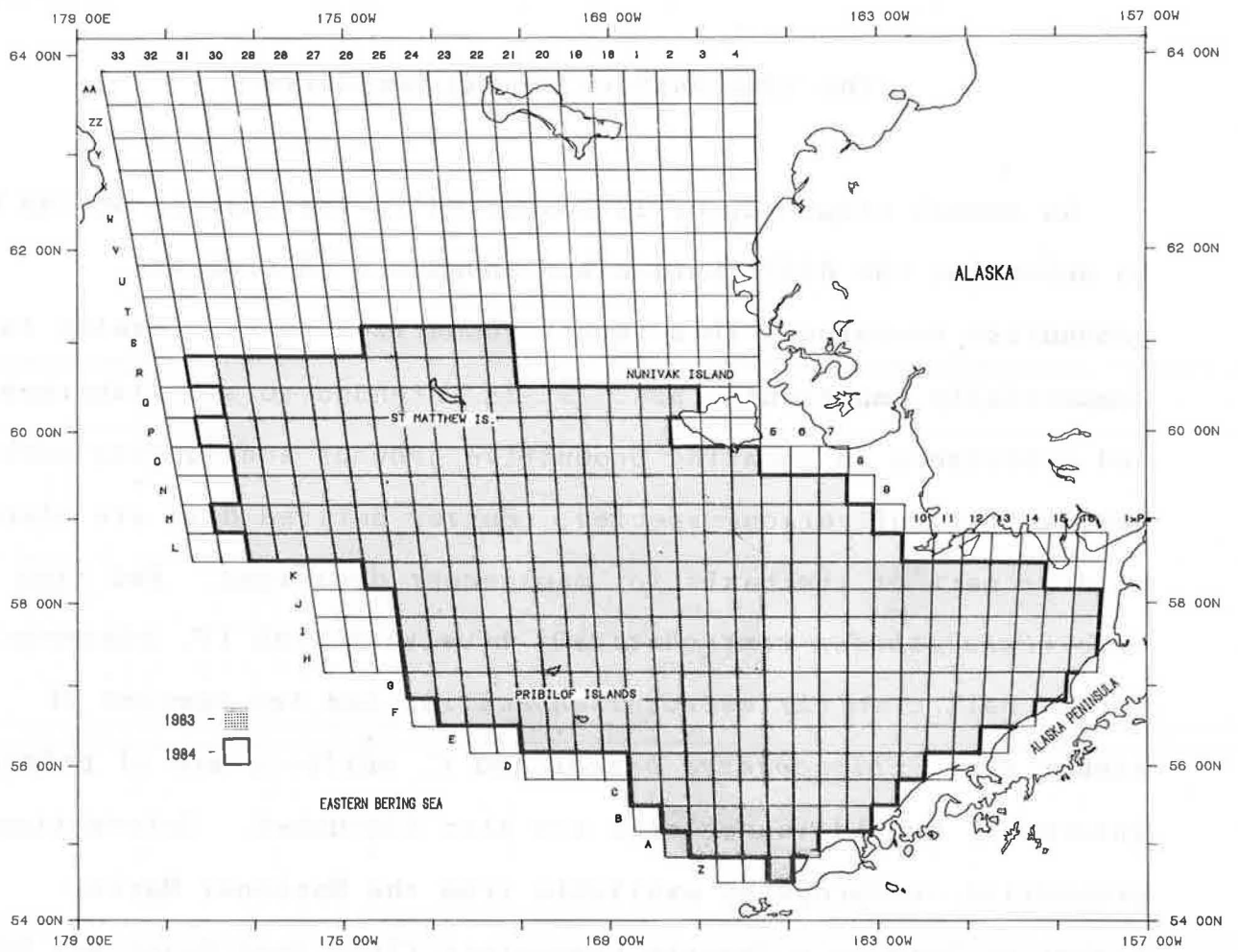


Figure 1. -- NMFS eastern Bering Sea crab survey area in 1983 and 1984.

squares defined by a 20 x 20 nautical mile grid. Bottom tending characteristics of the trawls appeared to be similar to those of trawls used in previous years. The 1984 survey, however, included additional tows that were not made at the centers of squares. These were either for vessel-gear comparison studies or to obtain more data on Bristol Bay red king crab. For example, the R/V Alaska made 23 additional tows in Bristol Bay (August 5-10) that were targeted on increasing the precision of population estimates and obtaining data on the reproductive condition of red king crab.

Both vessels fished an eastern otter trawl with an 83 foot headrope and a 112 foot footrope. Measured wing spread on this trawl has ranged from 47 - 58 feet. Each tow was of one-half hour duration and most tows were 1.4 to 1.8 nautical miles long. Catches were brought aboard, sorted by species and sex, and then a sample of crabs was measured (to the nearest millimeter) to provide a size frequency distribution. In most cases all male crab were measured. A tracing of the bottom profile was made with a recording echo sounder during each tow. A tracing of the surface to bottom temperature profile was taken with an expendable bathythermograph (XBT) at as many stations as possible.

Population estimates (Tables 1-3) were derived from the trawl data using the "area-swept" technique. First, the density of crabs at each trawl station was computed then population estimates were calculated by extrapolating the average density of a given size group over the area of the species' (or stock's) range.

## Interpreting Tables and Charts

Because of differences in the length of tow from vessel to vessel and station to station, catches presented in accompanying charts and tables are standardized as the number of crab caught per mile towed (rounded to whole numbers on Charts). Charts are based on 20 by 20 nautical mile squares. In cases where more than one tow was made in a square, the average number of crab caught per mile towed is presented. It is advisable to cross-reference charts and tables to obtain more exact information. Charts and tables showing the percentage of legal crab should be carefully cross-referenced since high percentages of legal crab are often found in areas of low abundance.

### Distribution and Abundance of King Crabs

#### Red King Crab

The distribution of legal and pre-recruit red king crab was similar to that of 1983 (Table 4, Charts 1 and 2). In both years, there were few areas of relatively high abundance, no concentrations west of Amak Island and a tendency for crabs to be found north of their normal range. Almost all pre-recruit and legal males were found between 15 and 45 fm at temperatures ranging from 2 to 5°C. The average depth of capture was 33 fm and the average temperature was 3.4°C. The percentages of legal crab taken at each station (Chart 3) show that legal crab were

either mixed with other crab or solitary individuals at the periphery of the stock's distribution.

Abundance of legal and pre-recruit males increased by 93% and 17% respectively, relative to 1983 (Table 1), but the abundance of both groups remains low relative to the history of the survey. Commercial catches in Bristol Bay declined along with abundance estimates, from 130 million pounds in 1980 to 34 million in 1981 and 3 million in 1982. Due to low abundance of males and record low abundance of mature females, the Alaska Department of Fish and Game (ADF&G) issued an emergency order closing Bristol Bay to king crab fishing in 1983. The 1984 fishery opened on October 1 with a guideline harvest of 2.5 to 6.0 million pounds compared to an estimated legal stock of 15.5 ( $\pm$  5.2) million pounds. No catch or effort data are available at this writing.

Figure 2 shows the relationship between catch rates in the fishery and estimates of abundance derived from annual trawl surveys. Due to the sparse distribution and low abundance of legal-sized crab in 1982, the catch rate was only 4 per pot. A catch rate of 2 to 3 crab per pot is expected in 1984. Overall, the 1984 fishery will probably be similar to that of 1982 when 90 vessels landed 3.0 million pounds.

### Blue King Crab

This species is found in significant concentrations in the vicinity of the Pribilof Islands and St. Matthew Island (Charts 4, 5, and 6, Table 5). In the Pribilof area, distribution of

Table 1. -- Population estimates for eastern Bering Sea king crabs from NMFS surveys (millions of crab).

Bristol Bay and Pribilof Red King Crab		
Year	Pre-recruits <sup>1</sup>	Legals <sup>1</sup>
1969	20.3	9.8
1970 <sup>2</sup>	8.4	5.3
1972	8.0	5.4
1973	25.9	10.8
1974	31.2	20.9
1975	31.7	21.0
1976	49.3	32.7
1977	63.9	37.6
1978	47.9	46.6
1979	37.2	43.9
1980	23.9	36.1
1981	18.4	11.3
1982	17.1	4.4
1983	10.4	1.5
1984 <sup>3</sup>	12.2	2.9

Table 1. -- (CONTINUED)

Pribilof Blue King Crab

Year	Pre-recruits <sup>1</sup>	Legals <sup>1</sup>
1974	3.1	1.9
1975	8.0	7.5
1976	2.1	3.9
1977	2.2	9.4
1978	5.8	4.3
1979	1.5	4.6
1980	1.4	4.2
1981	1.4	4.2
1982	0.7	2.2
1983	0.8	1.3
1984 <sup>a</sup>	0.3	0.6



Table 1. -- (CONTINUED)

Saint Matthew Blue King Crab

Year	Pre-recruits <sup>4</sup>	Legals <sup>4</sup>
1978	3.3	1.8
1979	3.0	2.2
1980	3.0	3.5
1981	2.2	3.1
1982	3.3	6.8
1983	1.9	3.5
1984 <sup>3</sup>	0.6	1.6

<sup>1</sup> The size groups 5.2" - 6.4" and > 6.5" have been used for pre-recruits and legals, respectively.

<sup>2</sup> Limited survey in 1971, not used for population estimates.

<sup>3</sup> Preliminary estimate subject to change upon further analysis.

<sup>4</sup> The size groups 4.3" - 5.4" and > 5.5" have been used for pre-recruits and legals, respectively.

## RED KING CRAB LEGAL MALES

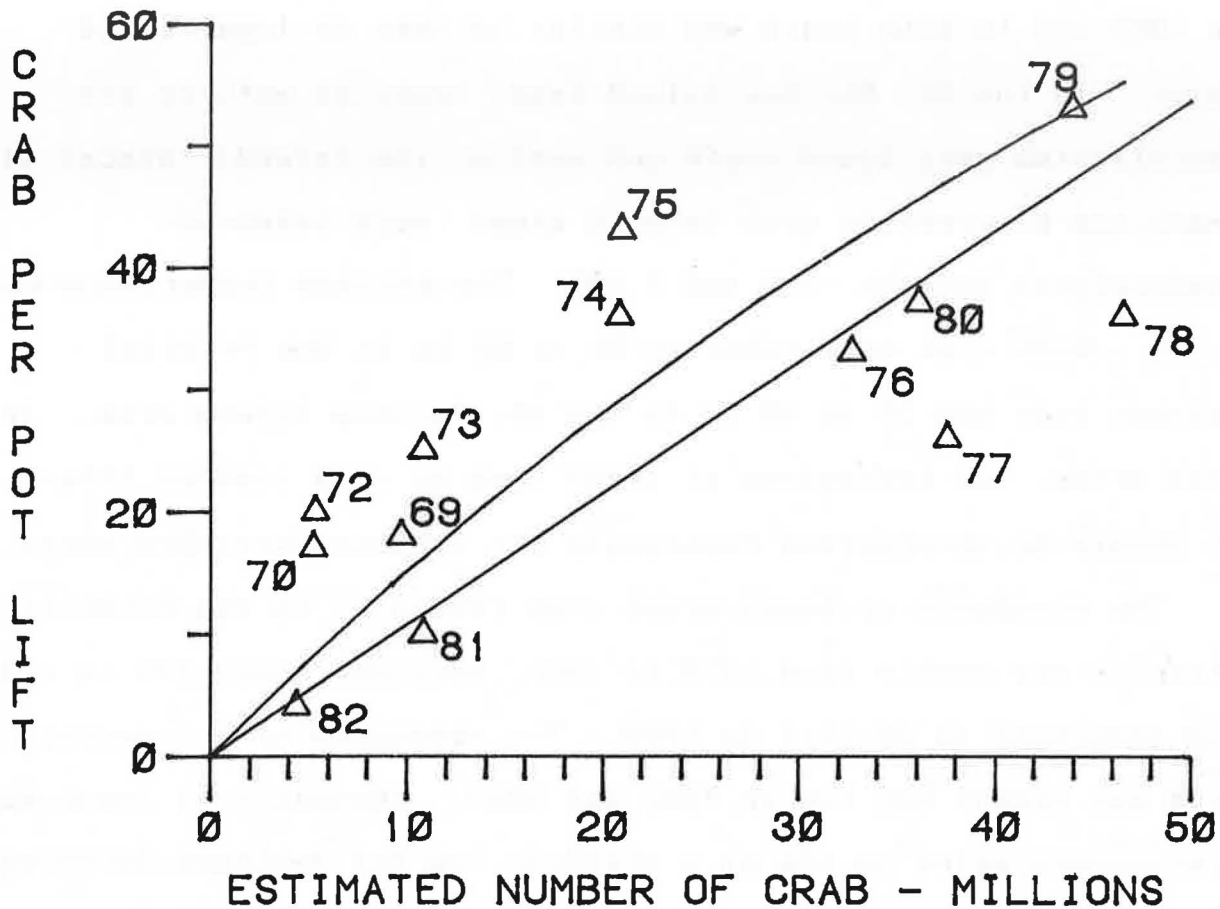


Figure 2. -- Relationship between the average number of red king crab (*Paralithodes camtschatica*) taken per pot in the U.S. fishery (year shown) and estimates of stock size from NMFS trawl surveys in the same year. There is no value shown for 1983 because no fishery occurred. The curved line assumes some limit to the number of crab a pot could catch.

legal-sized crab (Chart 4) was very similar to that of last year. Most crab were found north and east of the islands. The distribution of pre-recruits (Chart 5) was also about the same as in 1983 and in both years was similar to that of legal-sized males. In the St. Matthew Island area, legal as well as pre-recruit crab were found south and west of the island. Almost all legal and pre-recruit crab in both areas were taken at temperatures between  $-1.0$  and  $3.0^{\circ}\text{C}$ . The average temperature was  $2.5^{\circ}\text{C}$ . Most crab were taken at 50 to 60 fm in the Pribilof Islands area and 30 to 40 fm in the St. Matthew Island area. In both areas, the percentage of legal crab at each station (Chart 6) should be interpreted cautiously for reasons described above.

The abundance of legal-sized crab (Table 1) in the Pribilof District was stable from 1978 to 1981, declined about 50% in 1982 and continued to decline in 1983. The abundance of pre-recruit crab was stable but low in 1982 and 1983. Abundance of legal and pre-recruit males is now at a historic low and declined by 54 and 63 percent respectively, relative to 1983. The commercial fishery produced 4.4 million pounds in 1982, 2.2 million pounds in 1983, and will probably produce less in 1984. While there is not a clear relationship between the abundance of pre-recruits and later abundance of legals, declines in the abundance of both size groups over the past 3 years probably indicate low abundance of legal crab in 1985. The habitat of smaller males is rocky and untrawlable, therefore little can be said of longer term recruitment.

The 1984 Pribilof fishery opened October 1 with a guideline harvest of 0.5 to 1.0 million pounds as compared with an estimated 4.0 ( $\pm 1.6$ ) million pounds of legal stock. Catch and effort data are not available. Relationships between estimated abundance and catch rates suggest that the fleet average will be about one crab per pot (Fig. 3).

The abundance of pre-recruit and legal crab in the St. Matthew Island area has been declining over the past two years (Table 1). Over the past year, pre-recruit abundance declined by 68% and legal abundance declined by 54%. Continued declines in the abundance of legal stock are expected in 1985.

The 1984 St. Matthew Is. fishery opened on September 18 with a guideline harvest of 2.0-4.0 million pounds and 89 vessels participated. Preliminary ADF&G statistics indicate that 3.8 million pounds were landed in a one-week season with an average weight of 4.5 pounds and an average catch rate of 12 crab per pot lift. Estimated exploitation rates were hence about 844,400 crab out of an estimated legal stock of 1.6 million legal crab or 53%. Comparative figures for 1983 were 164 vessels landing 9.4 million pounds or 1.9 million crab for an estimated exploitation rate of 54% and an average catch rate of 14 crab per pot.

#### Distribution and Abundance of Tanner Crabs

##### C. bairdi

The distribution of legal and pre-recruit *C. bairdi* showed scattered areas of relatively high abundance along the north side of the Alaska Peninsula and along the continental shelf edge from

# PRIBILOF ISLANDS BLUE KING CRAB LEGAL MALES

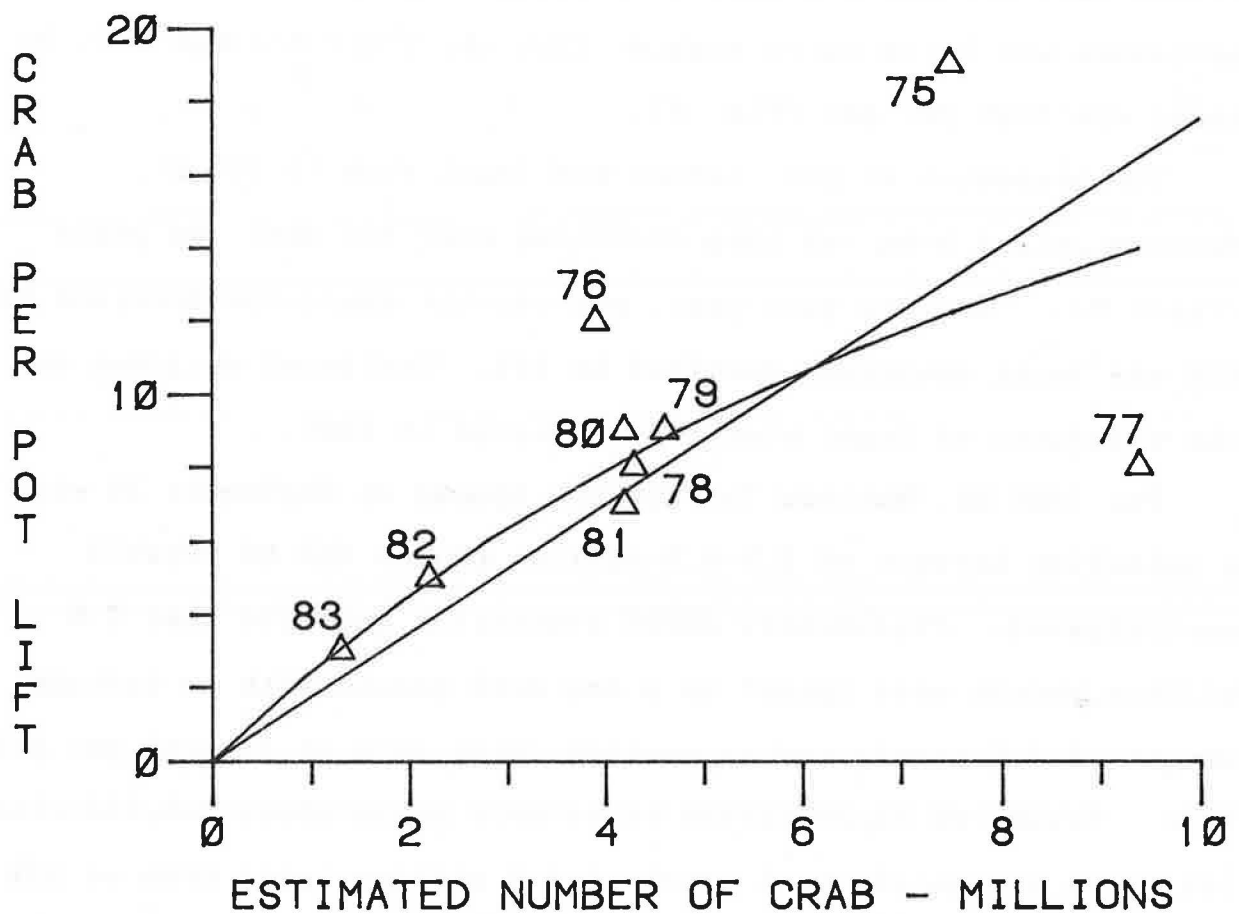


Figure 3. -- Relationship between the average number of Pribilof Island blue king crab (*Paralithodes platypus*) taken per pot in the U.S. fishery (year shown) and estimates of stock size from NMFS trawl surveys in the same year. The curved line assumes some limit to the number of crab a pot could catch.

Unimak Pass to the Pribilof Islands (Table 6, Charts 7 and 8). The highest concentrations of legal crab were found north of Port Moller, where percentages of legals were also highest (Chart 9). Most legal and pre-recruit crab were found at 30 to 50 fm in Bristol Bay and at 70 to 85 fm in areas to the west. Most were found at temperatures ranging from 2.0 to 5.0°C with an average temperature of 2.8°C.

The abundance of pre-recruit and legal male *C. bairdi* has been generally declining from 1975 onward and is now at a historic low (Table 2). Over the past year the abundance of pre-recruit and legal crab declined by 34 and 13 percent respectively. Recruitment trends and more detailed size-frequency data indicate a continued decline in legal abundance going into 1985 and probably beyond.

Landings have fallen from 30 million pounds in 1981 to 11 million in 1982 and 5.3 million pounds in 1983. According to preliminary ADF&G statistics, the 1984 fishery produced 1.2 million pounds landed by 41 vessels with an average catch of 8 crab per pot. Landings and catch rates were the lowest since 1973 (prior to the advent of a directed fishery). There was, however, little effort targeted on *C. bairdi* since most vessels targeted on *C. opilio* in areas where *C. bairdi* were scarce or absent. There were an estimated 12.4 ( $\pm 1.9$ ) million pounds available during 1984. Catch rates for *C. bairdi* were simply too low to attract a directed fishery. Relationships between population estimates and catch rates suggest that the 1985 fleet average will be less than eight crab per pot (Fig. 4).

Table 2. -- Population estimates for eastern Bering Sea tanner crabs from NMFS surveys (millions of crab).

Bristol Bay and Pribilof <u>C. bairdi</u>		
Year	Pre-recruits <sup>1</sup>	Legals <sup>1</sup>
1973	140.5	66.9
1974	255.0	130.5
1975	207.0	209.6
1976	136.6	109.5
1977	116.3	92.1
1978	81.2	45.6
1979	47.7	31.5
1980	65.0	31.0
1981	24.0	14.0
1982	46.9	10.1
1983	32.0	6.7
1984 <sup>2</sup>	21.2	5.8



Table 2. -- (CONTINUED)

Bristol Bay and Pribilof C. opilio

Year	Pre-recruits <sup>a</sup>	Legals <sup>a</sup>
1973	38.7	84.7
1974	169.2	246.7
1975	247.4	274.8
1976	190.4	181.6
1977	196.6	137.3
1978	171.6	78.4
1979	146.3	106.3
1980	99.1	53.6
1981	62.7	15.7
1982	63.8	10.8
1983	91.6	12.9
1984 <sup>a</sup>	104.1	54.0

Table 2. -- (CONTINUED)

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Bristol Bay and Pribilof Hybrid Tanner Crab

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Year	Pre-recruits <sup>3</sup>	Large <sup>3</sup>
1975	13.2	33.8
1976	4.0	16.5
1977	9.6	15.4
1978	2.0	5.6
1979	3.0	5.1
1980	0.8	1.7
1981	0.5	0.8
1982	0.6	0.5
1983	0.4	<0.1
1984 <sup>2</sup>	0.4	0.3

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Table 2. -- (CONTINUED)

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Northern District C. opilio

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Year	Pre-recruits <sup>2</sup>	Large <sup>3</sup>
1978	8.2	10.5
1979	20.8	6.6
1980	30.4	4.2
1981	17.1	6.5
1982	70.4	10.9
1983	50.0	9.2
1984 <sup>2</sup>	66.3	20.0

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<sup>1</sup> A legal size limit of 5.5" carapace width was imposed in 1976, but prior to this > 5.0" was used in the "Legal" column. In parallel, pre-recruit was 3.3" - 5.0" prior to 1976 and 4.3" to 5.5" since.

<sup>2</sup> Preliminary estimate subject to change upon further analysis.

<sup>3</sup> "Large" is > 4.3" as this has been the size of most interest to U.S. industry; pre-recruit is 3.7 to 4.3". Crab in both size groups have been landed in the past two years, however, and the minimum acceptable size is fluctuating with market conditions.

## BAIRDI TANNER CRAB LEGAL MALES

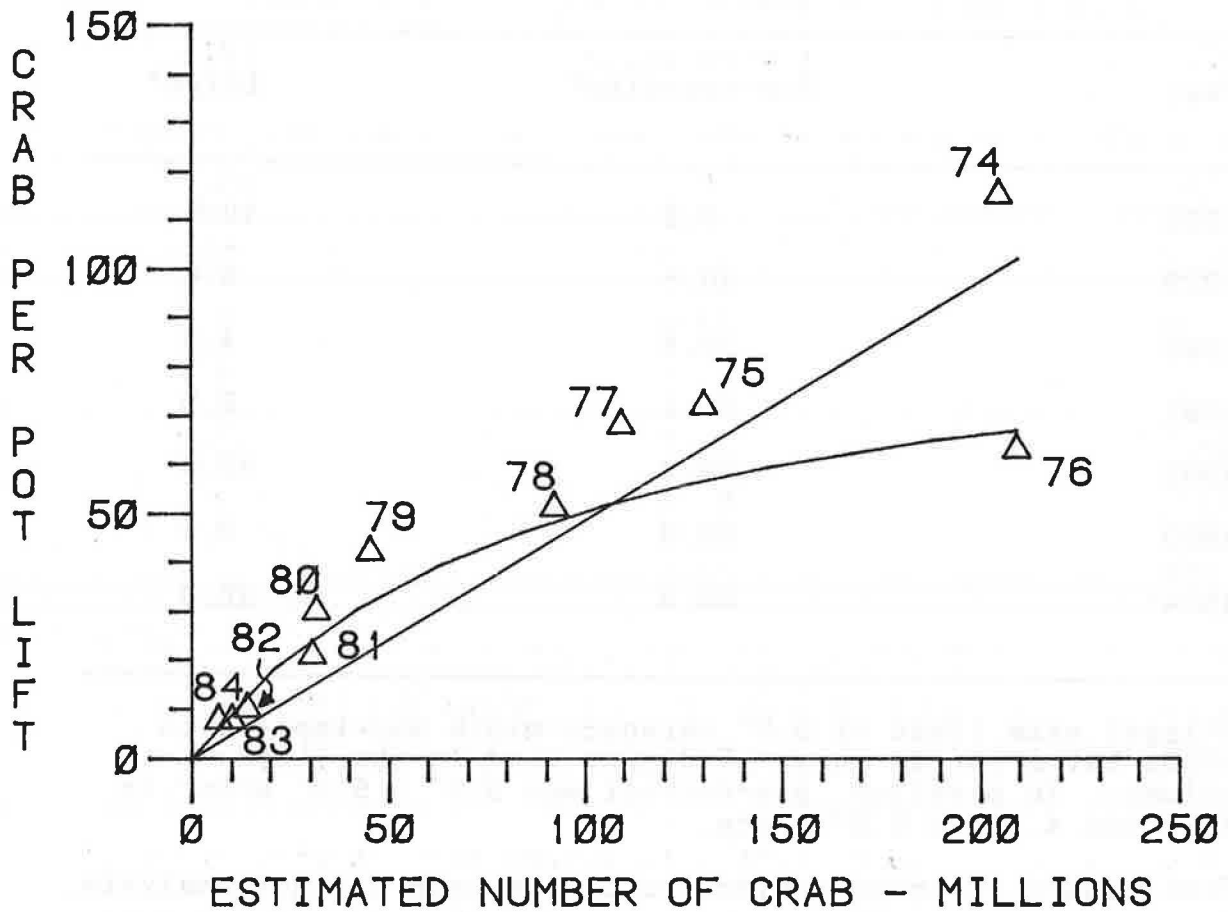


Figure 4. -- Relationship between the average number of tanner crab (*Chionoecetes bairdi*) taken per pot in the U.S. fishery (year shown) and estimates of stock size from NMFS trawl surveys in the preceeding year. In 1974, crab >4.7 in. included in stock size estimate: 5.5 in. size limit in effect from 1975 to present. The curved line assumes some limit to the number of crab a pot could catch.

### C. opilio and Hybrid Tanner Crab

Distribution data for *C. opilio* and hybrid tanner crab are combined in this report because the number of hybrids is small and most hybrids are landed as *C. opilio*. Until June 1982, there was no size limit for *C. opilio* but most of the catch was greater than 4.3 inches. A size limit of 3.1 inches was established but the size of crab landed has fluctuated with market conditions. Most of the catch has been larger than 3.7 inches and differential prices have been paid for "small" versus "large" crab. The pre-recruit and large size groups used in this report very nearly reflect these size categories in the fishery.

There has been considerable controversy over the landing of hybrids and confusion of hybrids with sub-legal *C. bairdi*. This problem has been most prevalent near the Pribilof Islands. Most hybrids are found in areas where the distributions of *C. bairdi* and *C. opilio* overlap. While hybrids are usually more concentrated in the Pribilofs and in areas northwest of the Islands, they are also found in northern portions of Bristol Bay.

The distribution of large and pre-recruit males showed an area of high concentration in a broad band north of the Pribilof Islands (Table 7, Charts 10 and 11). There were also areas of high abundance in the extreme northwestern portion of the survey area and there are probably some large crab in unsurveyed areas. The distribution of pre-recruits was similar to that of large males except that their areas of highest abundance were slightly to the north. In comparison with 1983, there were fewer pre-

recruit crab in the area surrounding the Pribilof Islands, but in other respects there has been little change in distribution over the past year. Most large and pre-recruit crab were taken at temperatures from -0.5 to 4°C. Average temperature and depth for these size groups were 1.9°C and 52 fm. Percentages of large crab (Chart 12) are difficult to interpret because of the close association between the distributions of large and pre-recruit size groups.

There were substantial increases in the abundance of pre-recruit and large male *C. opilio* over the past year (Table 2). Combining districts, the abundance of pre-recruits increased from 141.6 to 170.4 million crab (20%) and the abundance of large males increased from 22.1 to 74.0 million crab (335%). The abundance of large crab will remain high in 1985. More detailed size-frequency data, however, indicate the passage of one or two large modal groups through the fishery and indicate declining recruitment in two to three years. Recruitment patterns in this stock are not entirely clear as recruitment evidently occurs both through localized production and by immigration.

The 1984 fishery is currently open after a brief closure during the St. Matthew Island blue king crab fishery. Preliminary ADF&G statistics show participation by 45 vessels, landings of 24.4 million pounds and an average catch rate of 147 crab per pot. Currently there is an estimated 273.1 million pounds of exploitable stock within the survey area (164.4 ± 21.5 million pounds of "pre-recruits" and 108.7 ± 17.7 million pounds of "large" crab). Comparative fishery statistics for 1983 were

261 vessels landing 23.9 million pounds with an average catch rate of 83 crab per pot. Relationships between catch rates and population estimates indicate the catch rates in 1985 could be well in excess of 150 crab per pot (Fig. 5).

#### Distribution and Abundance of Korean Hair Crab

Large Korean hair crab (> 3.5 inches carapace length, no legal size) were found in major concentrations to the east and northeast of the Pribilof Islands and in low numbers in a band that extends along the southern edge of Bristol Bay (Chart 13 and Table 8). Isolated individuals were found as far north as the St. Matthew Is. area. Pre-recruit crab (Chart 14) were found in the same areas as large crab but in much lower abundance. Most hair crab were taken in 25 to 45 fm at temperatures of 1 to 6°C. Averages were 37 fm and 2.7°C at stations where pre-recruit and large crabs were taken. Large males were 100% of the catch in many areas (Chart 15), however, in areas of high abundance they occurred with pre-recruits, small males and females. We have never found many female or small male crab during the survey and hence have little understanding of their distribution. There was little change in the distribution of pre-recruit and large hair crab from 1983 to 1984 and the vast majority of the resource remains concentrated in the Pribilof District. Most of the crab found in Bristol Bay were located immediately adjacent to the Pribilof District.



## OPILIO TANNER LARGE MALES

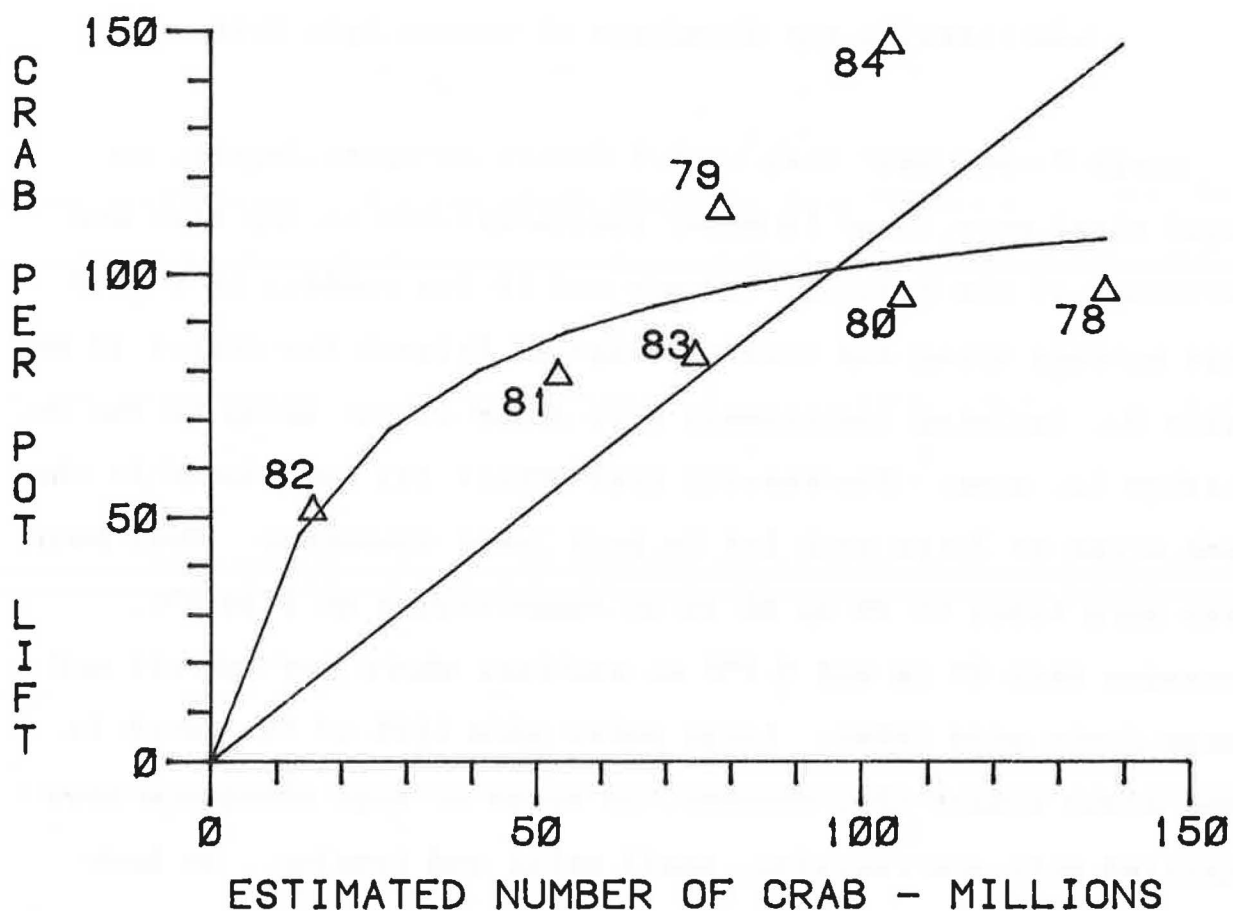


Figure 5. -- Relationship between the average number of tanner crab (*Chionoecetes opilio*) taken per pot in the U.S. fishery (year shown) and estimates of stock size from NMFS trawl surveys in the preceeding year. "Large" is >4.3 in from 1978-1982, >3.7 in from 1983 to present, and generally corresponds to minimum harvested size. Estimates of stock size exclude Northern District where commercial catches have been minimal. The curved line assumes some limit to the number of crab a pot could catch.

The abundance of hair crab has been declining since 1981 (Table 3) and the abundance of large crab declined from 4.5 to 2.9 million crab (36%, all districts combined) over the past year. Size-frequency data provide little information on recruitment trends, but abundance will likely remain low going into 1985.

The fishery is largely incidental to tanner crabbing although there is some directed effort. Landings were 2.5 million pounds in 1981, 1.2 million in 1982 and 0.6 million pounds in 1983. Preliminary ADF&G statistics show 508,000 pounds for 1984 with six vessels making deliveries. Currently there are an estimated 5.5 ( $\pm 1.1$ ) million pounds of exploitable stock. Landings reflect market conditions rather than abundance. Low abundance of pre-recruits and continued declines in the abundance of large crab, however, indicate that abundance may soon limit production.

#### Bottom Temperatures

The average bottom water temperature in 1984 was 2.5°C as compared to 3.0°C last year. The coldest waters were encountered around St. Matthew Island and extended considerably to the south (Chart 16). The warmest waters were found in Kuskokwim Bay and inner Bristol Bay. The area of cold water associated with St. Matthew Island was more extensive in 1984 than in 1983. Most year to year variation in temperature is associated with relatively shallow areas of the continental shelf and near shore.

Table 3. -- Population estimates for eastern Bering Sea Korean hair crab from NOAA/NMFS surveys (millions of crab).

Pribilof District		
Year	Pre-recruits <sup>1</sup>	Large
1979	2.9	8.4
1980	3.6	10.4
1981	4.3	13.0
1982	0.8	5.3
1983	0.3	2.5
1984 <sup>2</sup>	0.3	1.9

Bristol Bay		
Year	Pre-recruits	Large
1979	1.2	6.3
1980	0.7	2.5
1981	0.4	2.7
1982	0.3	1.9
1983	0.3	1.6
1984 <sup>2</sup>	0.2	0.8

Table 3. -- (CONTINUED)

Northern District		
Year	Pre-recruits	Large
1979	0.4	1.4
1980	0.8	0.8
1981	<0.1	0.2
1982	<0.1	0.5
1983	0.1	0.4
1984 <sup>2</sup>	0.1	0.2

<sup>1</sup> "Large" is > 3.5" in width which is approximately the size at entry into the U.S. fishery; pre-recruit is 3.0" - 3.4".

<sup>2</sup> Preliminary estimate subject to change upon further analysis.

There is little year to year change in the Pribilof Islands and other shelf edge areas where temperatures are moderated by incursions of deep ocean water. The effect of water temperature on changes in the distribution and abundance of crabs in the eastern Bering Sea is poorly known.

#### A note on Tagging and Tag Returns

The purpose of our tagging program on blue and brown king crabs is to gather information on growth, migrations and the frequency of molting. For this reason, we need fairly complete information on returns. The following information is requested:

1. Name and mailing address of person to receive reward
2. Tag number (one or both tags if present)
3. Length-width measurements (length - from rear of eye socket to middle of back of carapace; width - maximum width including spines)
4. Recovery date
5. Recovery location
6. Depth
7. Vessel ADF&G number

This information will be recorded on stamped data cards and if possible validated by ADF&G biologists before being mailed to the NMFS in Kodiak. The reward will be mailed to the address on the card. The crab will remain the property of the catcher vessel.

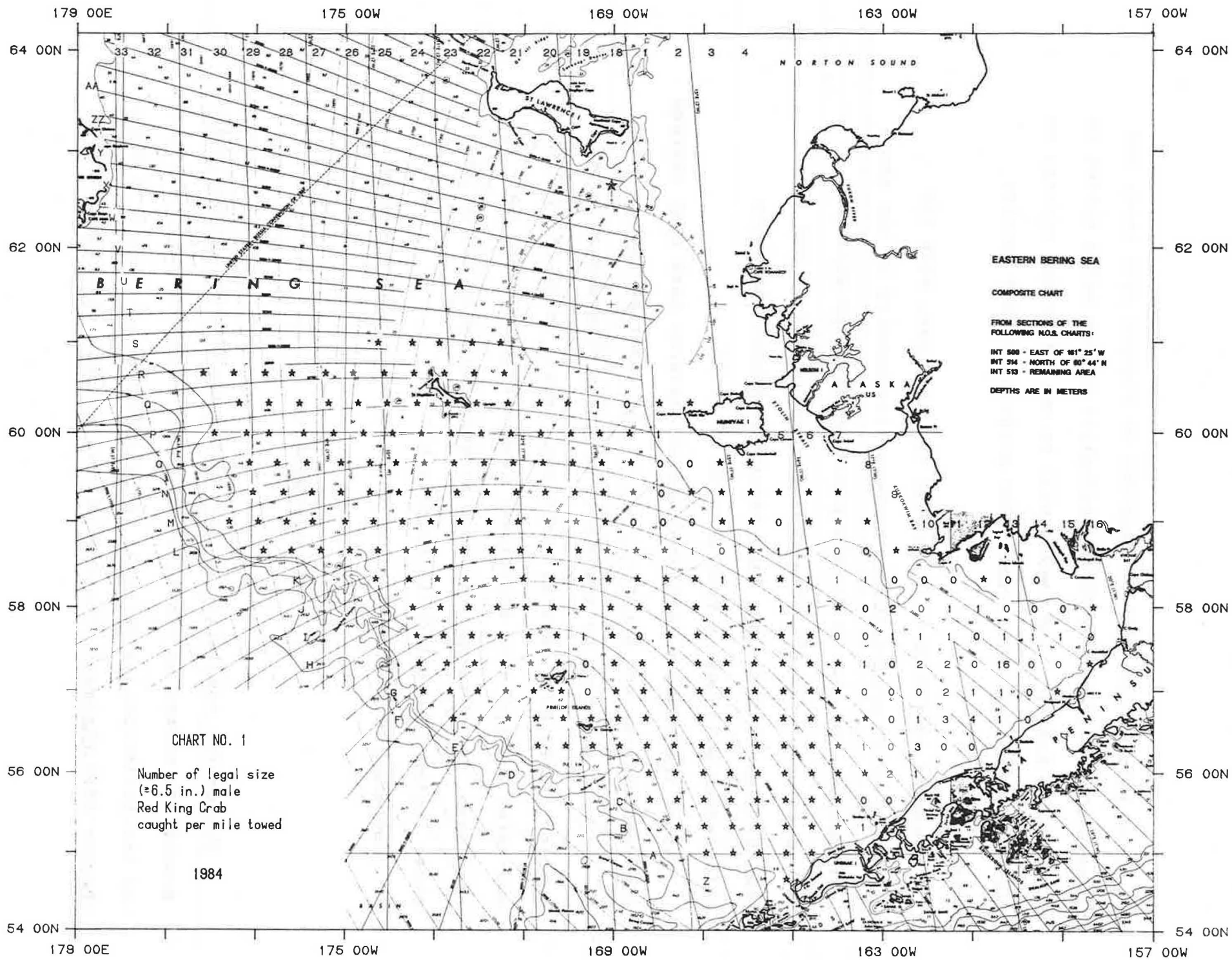
A reward of \$10.00 will be paid for all tags, with the exception of 70 predetermined numbers, accompanied by the above information. Of the 70 predetermined numbers, 40 will have a reward value of \$25.00, 20 a reward value of \$50.00 and 10 a reward value of \$100.00. Tags returned without the above information will have a reward value of \$1.00.

After the fishery is closed and all returns have been checked for completeness and accuracy, six of the returned numbers will be randomly selected by computer. Of these randomly selected numbers, three will have an additional reward value of \$200.00 and three will have an additional reward value of \$300.00. In each case, the returned tag must be accompanied by all of the above listed information to be eligible.

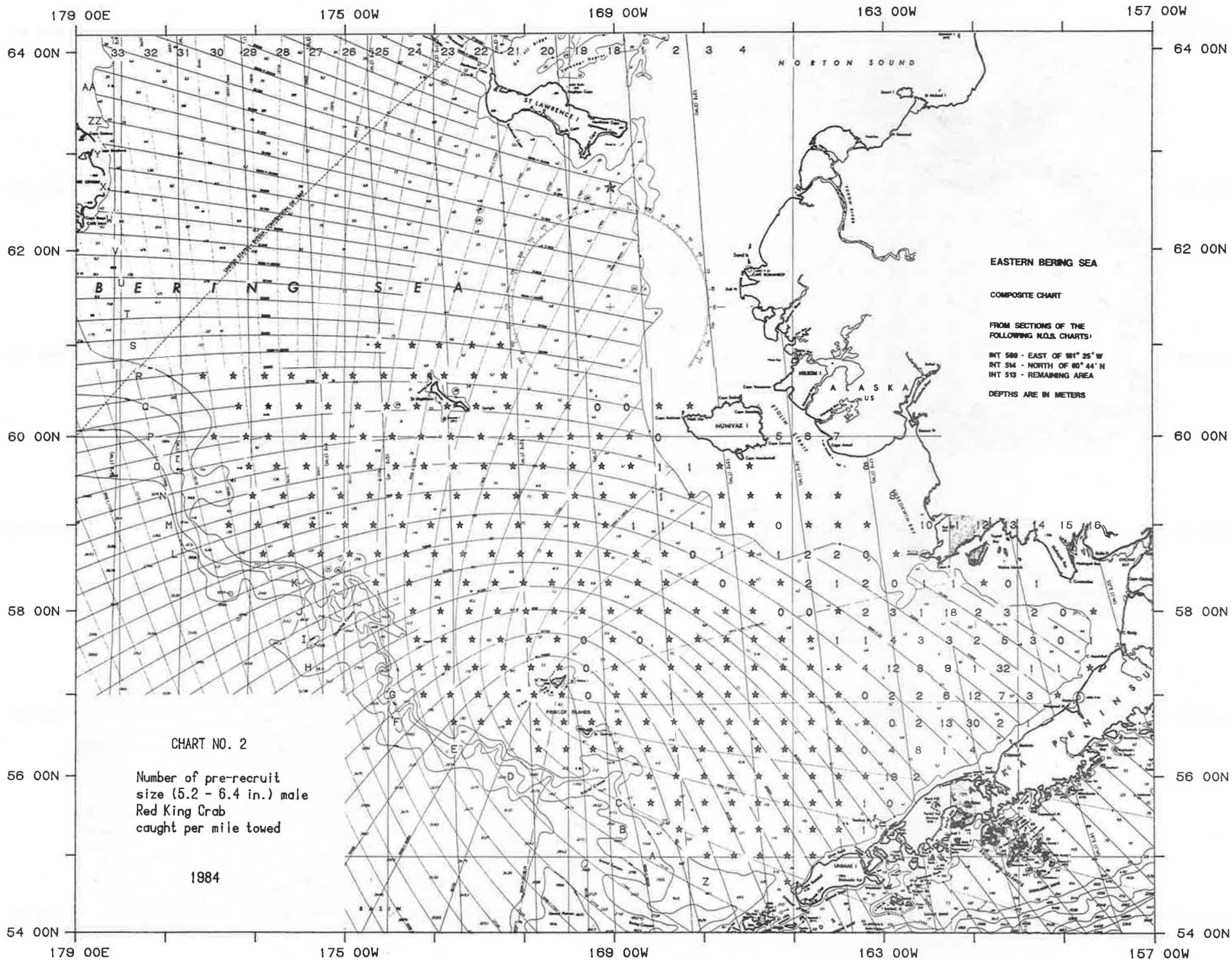
Cooperation is essential to the success of this program.

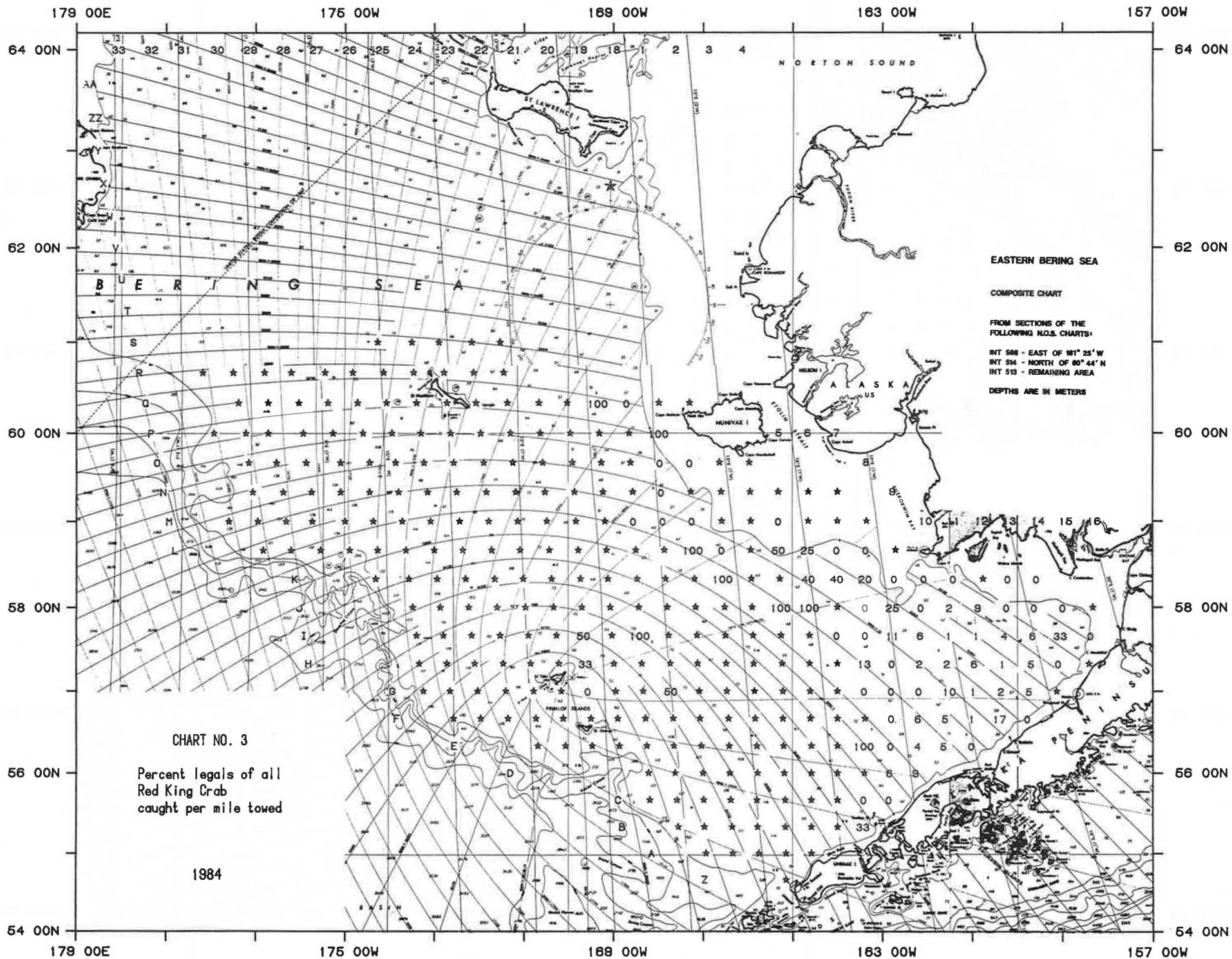
#### Acknowledgements

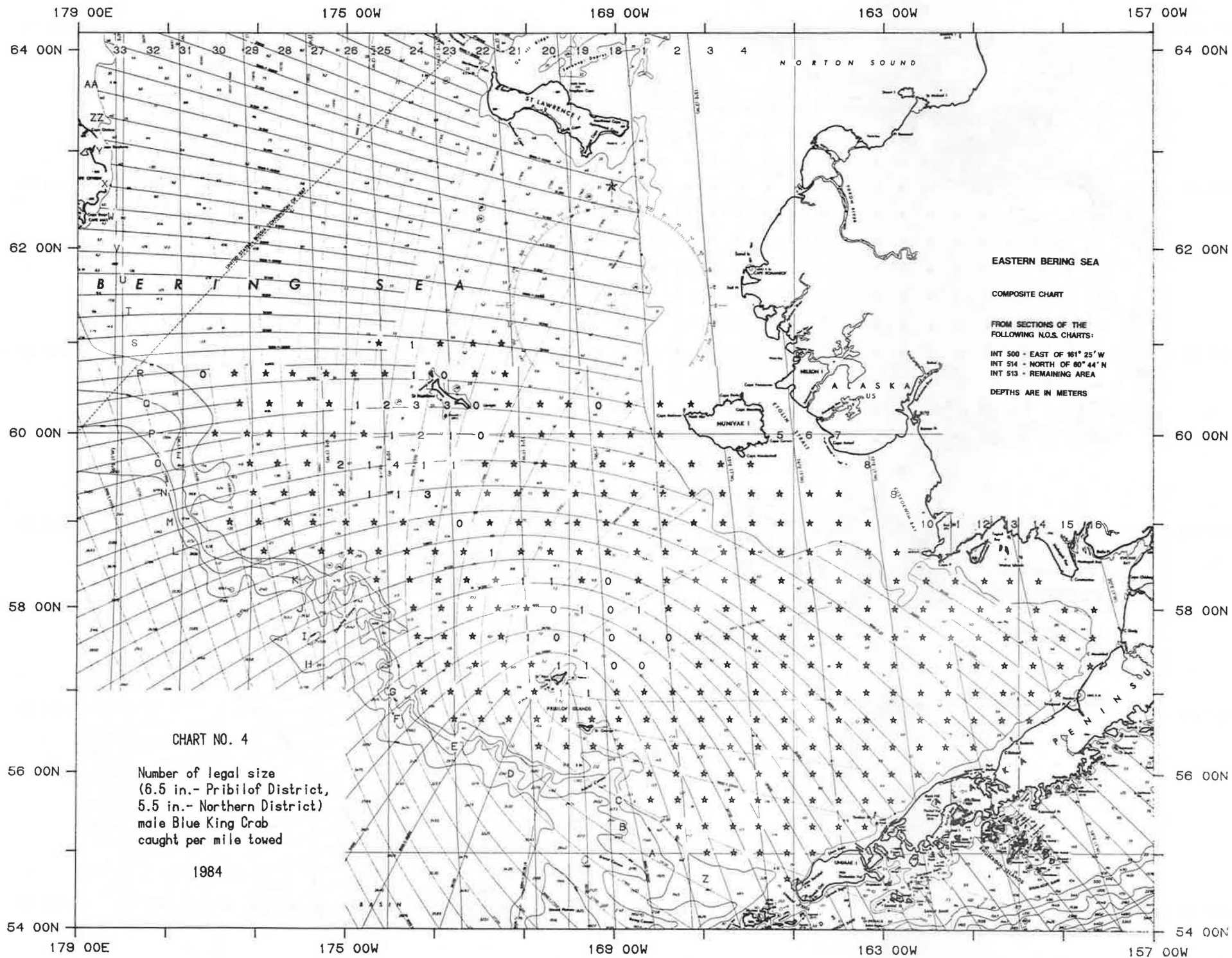
Successful completion of the annual eastern Bering Sea crab-groundfish survey is crucially dependent on the skipper and crews of the participating vessels. We extend special thanks to Roger Mercer (R/V Chapman), Tom Oswald (R/V Alaska), and their crews.



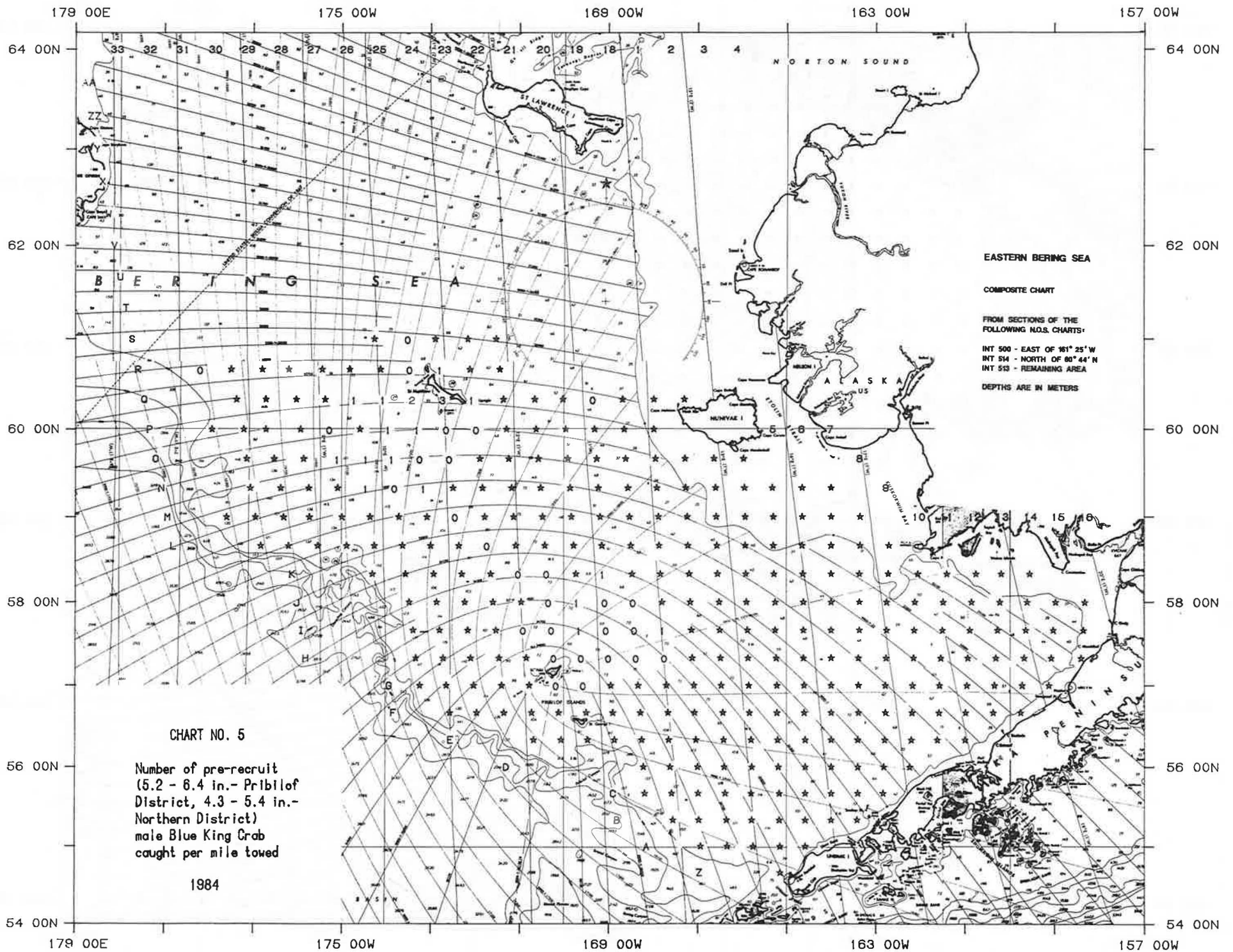


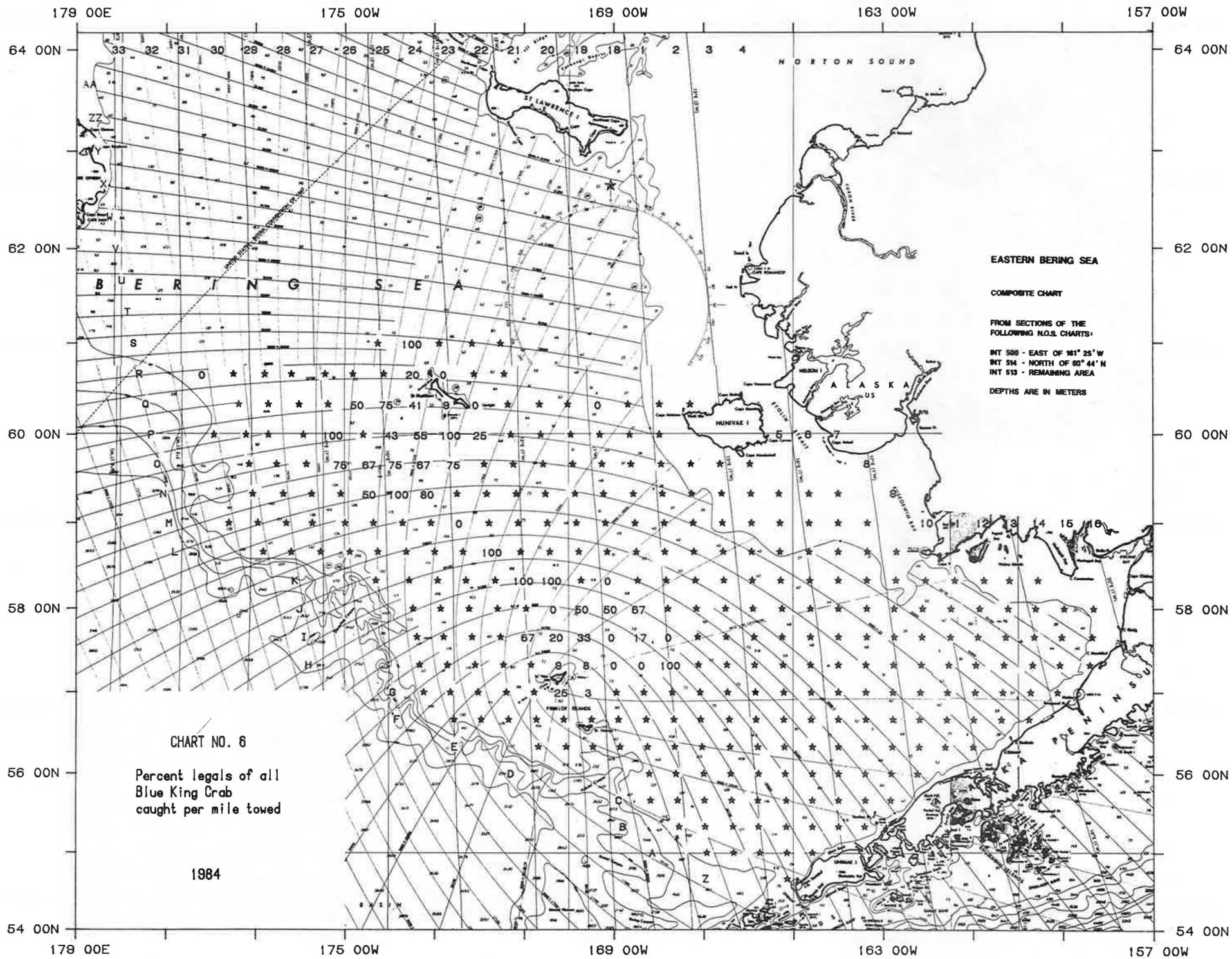






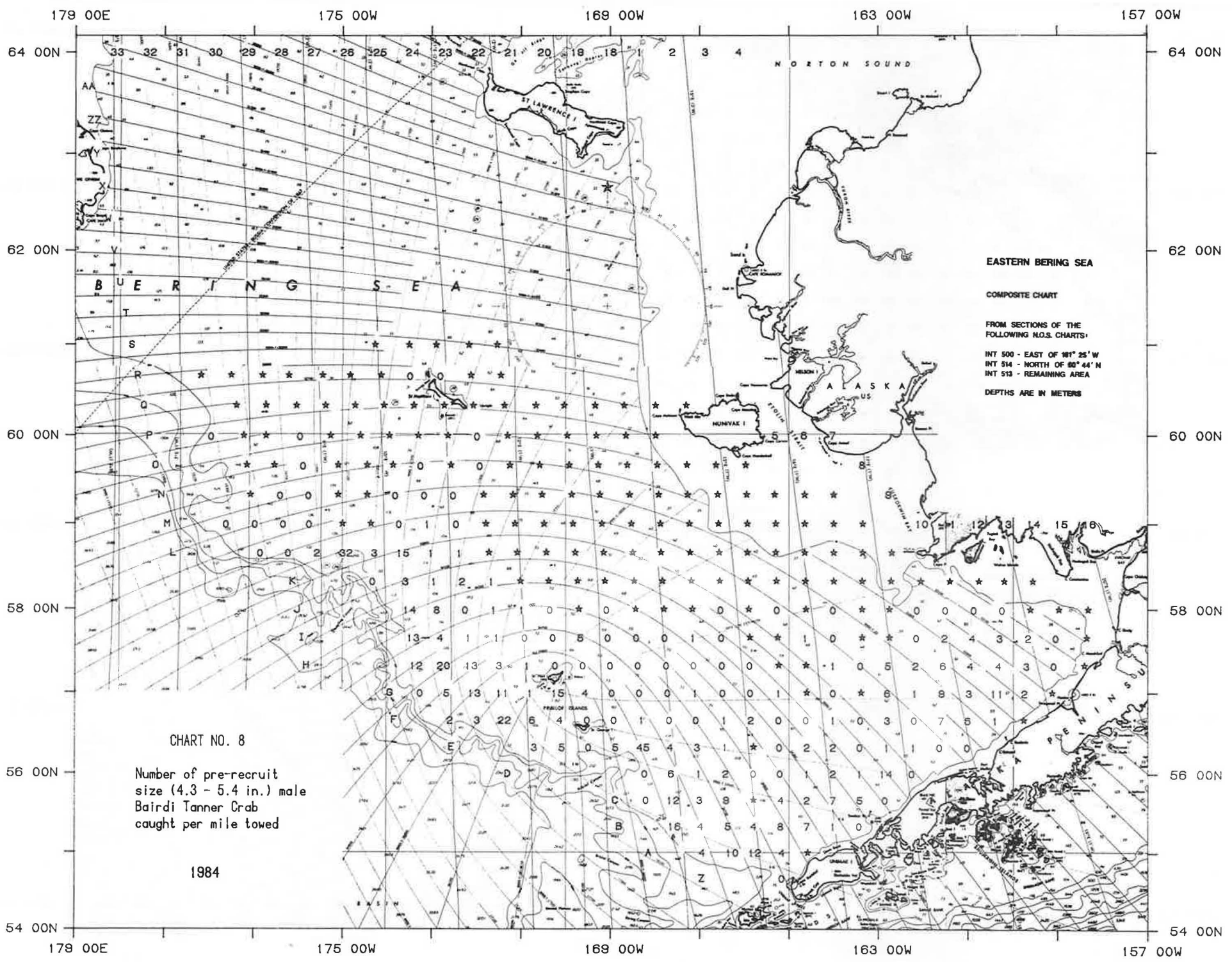






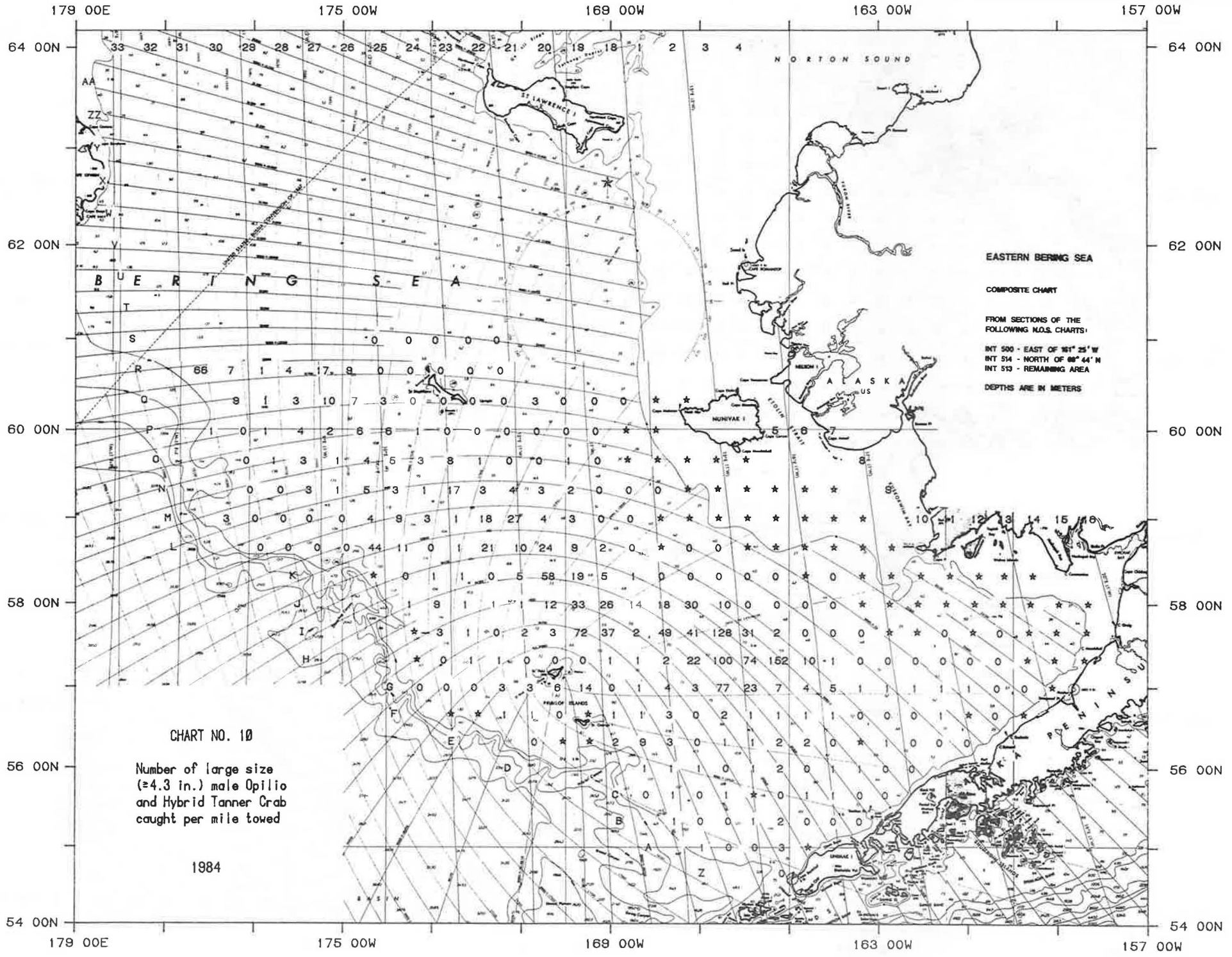












**B E R I N G S E A**

**EASTERN BERING SEA**

COMPOSITE CHART

FROM SECTIONS OF THE  
FOLLOWING NOS. CHARTS:

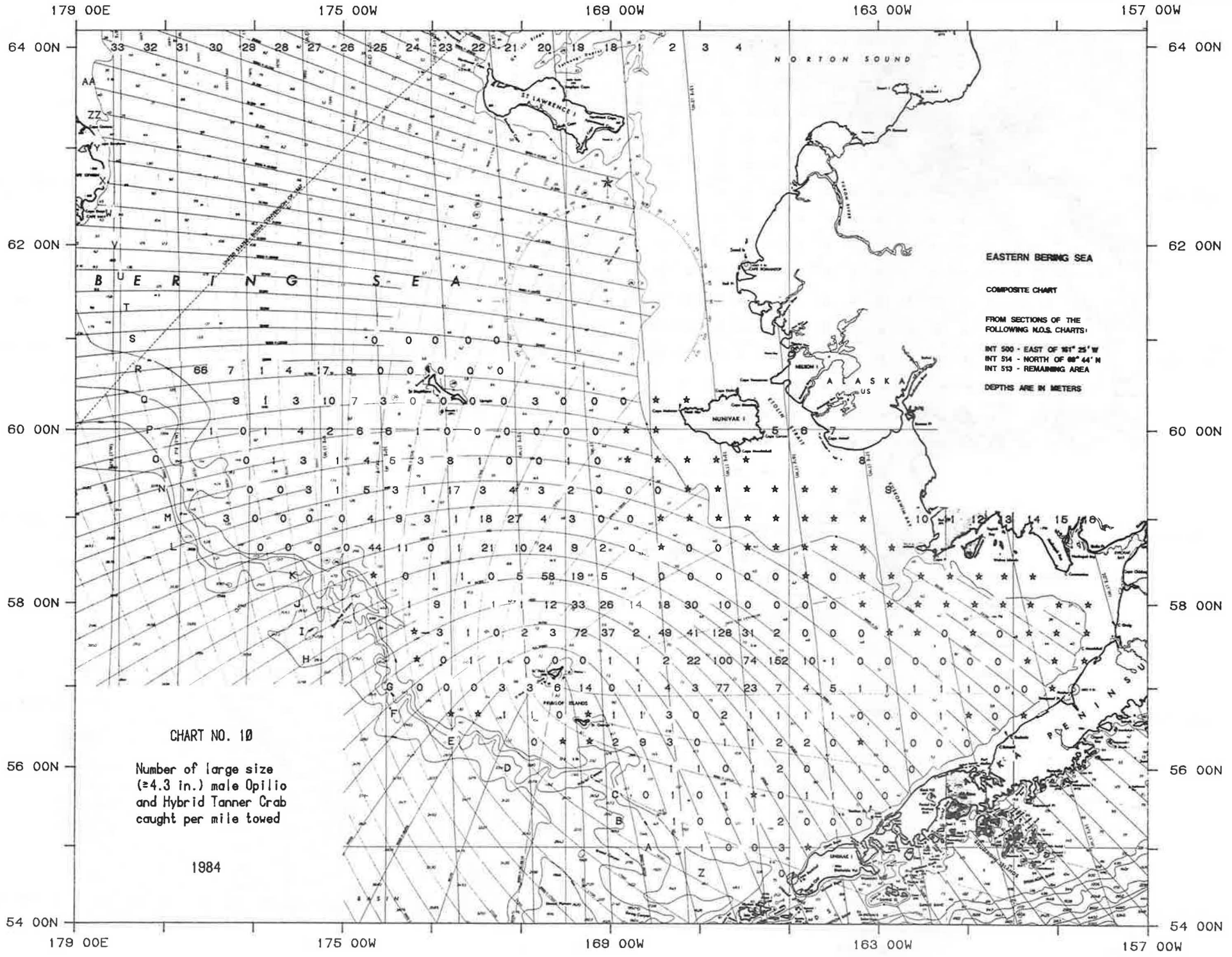
- INT 500 - EAST OF 161° 25' W
- INT 514 - NORTH OF 60° 44' N
- INT 510 - REMAINING AREA

DEPTHS ARE IN METERS

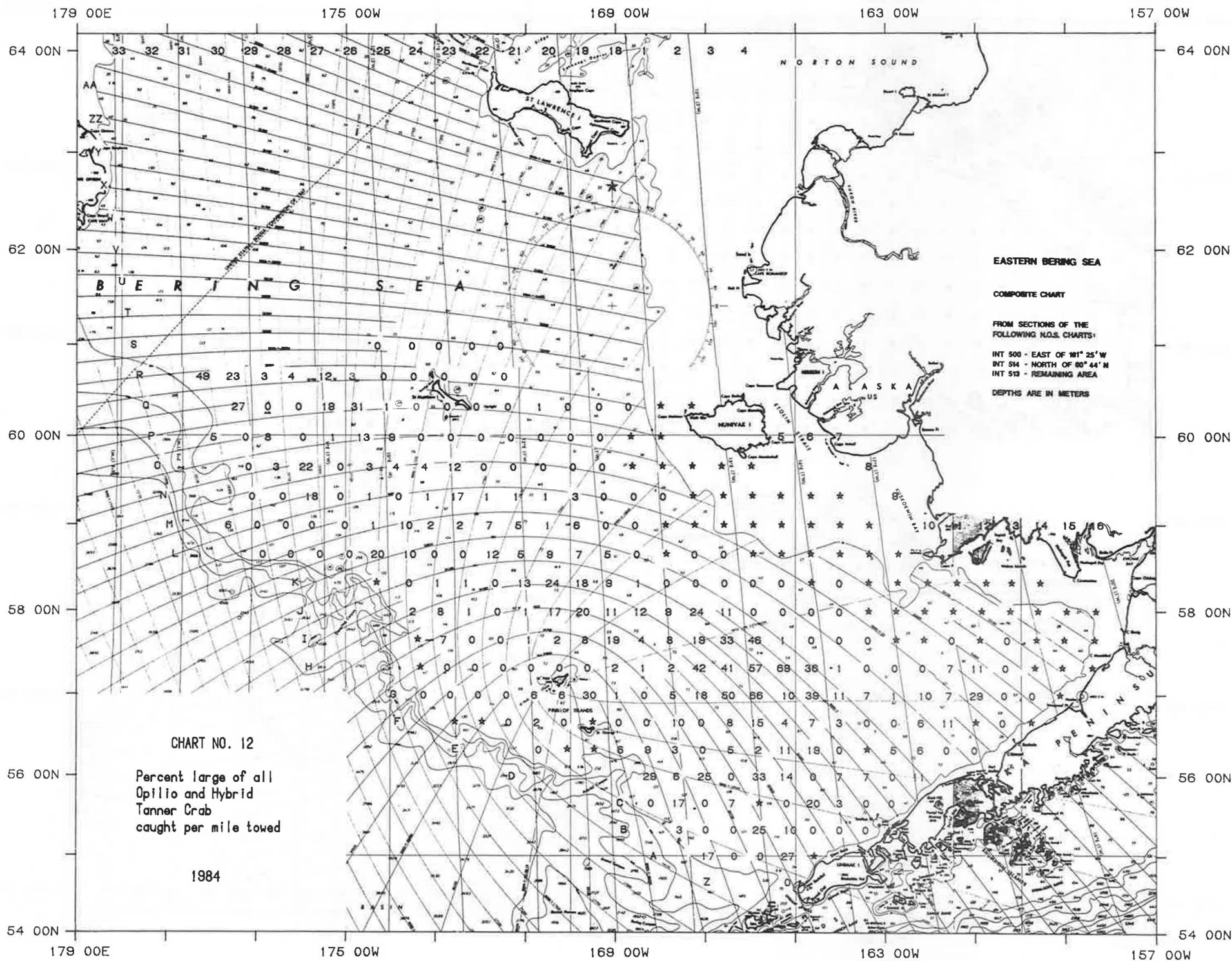
**CHART NO. 10**

Number of large size  
(≥4.3 in.) male *Opilio*  
and Hybrid Tanner Crab  
caught per mile towed

1984







179 00E

175 00W

169 00W

163 00W

157 00W

64 00N

64 00N

62 00N

62 00N

60 00N

60 00N

58 00N

58 00N

56 00N

56 00N

54 00N

54 00N

179 00E

175 00W

169 00W

163 00W

157 00W













TABLE 4 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE RED KING CRAB WERE TAKEN

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					TOTAL	PERCENT LEGAL
							FEMALES	MALES (SEE NOTE)			TOTAL		
								SMALL	PRERECRUIT	LEGAL			
B08	6/15	55-21	163-25	Y34241 Z47430	28	3.4	0.0	0.0	1.2	0.6	1.9	33.2	
C08	6/15	55-39	163-24	Y34175 Z47431	45	2.7	0.0	0.0	0.6	0.0	0.6	0.0	
C09	6/16	55-40	162-49	Y34081 Z47208	27	.	2.8	0.0	1.4	0.0	4.2	0.0	
D09	6/15	56-00	162-48	Y33999 Z47205	43	2.8	3.1	7.5	19.3	1.9	31.8	5.9	
D10	6/15	56-00	162-15	Y33911 Z46985	39	2.7	7.7	7.7	23.7	6.5	45.6	14.3	
D10	8/ 3	55-49	162-34	Y34006 Z47109	35	.	0.6	0.0	0.0	0.0	0.6	0.0	
D10	8/ 3	55-49	162-33	Y34004 Z47106	35	.	0.0	0.7	0.0	0.0	0.7	0.0	
D10	8/ 3	55-55	162-19	Y33942 Z47008	38	.	2.0	0.7	0.7	0.7	4.0	16.6	
D10	8/ 3	55-55	162-18	Y33942 Z47006	38	.	2.0	0.0	0.0	0.0	2.0	0.0	
D10	8/ 3	56-01	162-09	Y33895 Z46947	38	.	0.7	0.0	0.0	0.0	0.7	0.0	
D10	8/ 3	56-05	162-02	Y33858 Z46897	37	.	0.7	2.1	0.0	0.0	2.9	0.0	
D10	8/ 3	56-04	162-02	Y33860 Z46899	35	.	2.8	1.4	1.4	0.0	5.5	0.0	
D10	8/ 3	55-56	162-20	Y33941 Z47021	36	.	7.2	0.0	2.0	0.0	9.1	0.0	
D10	8/ 3	55-55	162-20	Y 0 Z 0	36	.	1.6	0.0	0.0	0.0	1.6	0.0	
D10	8/ 3	56-06	162-03	Y33857 Z46905	34	.	2.5	0.0	0.8	0.0	3.4	0.0	
D10	8/ 3	56-05	162-03	Y33860 Z46907	35	7.0	5.3	0.0	0.0	0.0	5.3	0.0	
E08	6/16	56-19	163-25	Y34018 Z47446	47	2.0	0.0	0.0	0.0	0.6	0.6	100.0	
E09	6/15	56-20	162-48	Y33910 Z47200	43	2.5	30.4	23.2	4.2	0.0	57.8	0.0	
E10	6/15	56-20	162-12	Y33817 Z46961	43	2.4	36.9	19.7	3.6	0.6	60.8	1.0	
E10	8/10	56-10	162-22	X18624 Z47027	39	.	31.0	18.9	12.8	4.7	67.4	7.0	
E11	8/ 4	56-10	161-54	Y33815 Z46844	37	.	2.7	0.0	0.0	0.0	2.7	0.0	
E11	8/ 4	56-10	161-54	Y33817 Z46845	36	.	0.7	0.7	0.0	0.0	1.3	0.0	
E11	8/ 4	56-16	161-42	Y33758 Z46762	35	.	0.6	0.0	0.0	0.0	0.6	0.0	
E11	8/ 4	56-25	161-36	Y33702 Z46724	36	.	2.7	0.7	2.7	1.3	7.4	18.2	
E11	8/ 4	56-25	161-36	Y33700 Z46719	36	.	2.0	4.0	3.3	0.0	9.4	0.0	
E11	8/ 4	56-10	161-55	Y33816 Z46853	35	.	70.4	0.0	0.0	0.0	70.4	0.0	
E11	8/ 4	56-17	161-43	Y33757 Z46771	33	5.5	5.7	0.0	0.0	1.0	6.7	14.3	
E11	8/ 4	56-16	161-43	Y33758 Z46767	33	.	0.9	0.0	0.0	0.0	0.9	0.0	
E11	8/ 4	56-26	161-38	Y33703 Z46736	34	.	0.0	0.0	0.0	0.8	0.8	100.0	
E11	8/ 4	56-26	161-37	Y33700 Z46726	35	.	11.6	10.0	10.8	3.3	35.7	9.3	
E11	8/10	56-09	161-54	X18626 Z46846	33	4.3	3.0	2.3	0.8	0.0	6.0	0.0	
E12	6/12	56-19	161-00	Y33642 Z46483	30	3.1	1.2	1.8	3.5	0.0	6.5	0.0	
F09	6/15	56-41	162-47	Y33809 Z47188	40	1.4	0.6	0.6	0.0	0.0	1.3	0.0	
F10	6/14	56-40	162-12	Y33722 Z46957	41	1.1	2.4	1.8	0.6	0.0	4.9	0.0	
F10	8/10	56-30	162-31	Y33821 Z47089	41	2.8	3.6	6.6	2.4	1.2	13.8	8.7	
F11	8/ 4	56-34	161-24	Y33631 Z46641	40	.	45.0	47.5	23.1	7.7	123.4	6.3	
F11	8/ 4	56-34	161-23	Y33628 Z46634	40	.	47.7	53.1	37.1	13.3	151.2	8.8	
F11	8/ 4	56-42	161-19	Y33575 Z46602	37	.	1.3	5.3	1.3	1.3	9.4	14.3	
F11	8/ 4	56-42	161-18	Y33574 Z46596	40	.	5.4	13.5	7.4	2.0	28.3	7.1	
F11	6/12	56-38	161-35	Y33633 Z46707	49	1.6	24.7	17.4	4.0	0.7	46.8	1.4	
F11	8/ 4	56-34	161-27	Y33632 Z46655	37	4.5	16.3	17.1	14.7	1.6	49.7	3.1	
F11	8/ 4	56-34	161-25	Y33630 Z46644	37	.	14.2	25.4	13.5	0.7	53.8	1.4	
F11	8/ 4	56-43	161-21	Y33577 Z46614	35	.	0.0	1.6	4.0	1.6	7.1	22.2	
F11	8/ 4	56-42	161-19	Y33574 Z46603	38	4.5	6.2	8.0	3.5	0.0	17.7	0.0	
F11	8/ 8	56-30	161-45	Y33702 Z46779	52	.	64.4	47.8	14.0	2.5	128.8	2.0	

NOTE: PRE-RECRUIT = 5.2-6.4 IN. WIDTH; LEGAL = GREATER THAN 6.4 IN. WIDTH



TABLE 4 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE RED KING CRAB WERE TAKEN (CONTINUED)

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					TOTAL	PERCENT LEGAL
							FEMALES	MALES (SEE NOTE)			TOTAL		
								SMALL	PRERECRUIT	LEGAL			
F12	6/12	56-39	160-59	Y33544 Z46468	38	3.1	350.6	511.9	56.1	7.0	925.6	0.8	
F12	8/ 8	56-30	161-13	Y33622 Z46566	38	5.3	2.7	1.3	3.4	1.3	8.8	15.4	
F13	6/12	56-40	160-21	Y33443 Z46211	32	3.0	1.3	0.0	2.0	0.7	4.0	16.7	
F14	6/11	56-41	159-45	Y33360 Z45972	21	4.8	0.6	1.2	0.6	0.0	2.4	0.0	
G01	7/ 3	57-00	167-41	Y34617 Z49159	43	1.1	0.0	0.0	0.6	0.6	1.3	49.7	
G08	6/16	56-59	163-22	Y33813 Z47425	38	.3	0.6	0.0	0.0	0.0	0.6	0.0	
G09	6/15	57-01	162-47	Y33703 Z47183	33	1.8	0.0	0.7	2.1	0.0	2.8	0.0	
G10	6/14	57-00	162-10	Y33615 Z46938	35	1.4	4.9	13.5	2.5	0.0	20.9	0.0	
G10	8/ 9	57-00	161-00	X11464 Y31737	31	2.3	4.7	2.0	0.7	0.0	7.4	0.0	
G11	6/12	56-58	161-34	Y33529 Z46693	37	1.8	10.3	12.3	6.2	0.7	29.5	2.3	
G11	8/ 8	56-48	161-50	Y33621 Z46804	36	2.5	0.7	5.0	5.0	3.6	14.4	25.0	
G12	6/12	56-59	160-57	Y33437 Z46448	37	1.7	1.2	4.3	3.7	0.0	9.1	0.0	
G12	8/ 4	56-46	161-13	Y33542 Z46563	38	.	84.7	75.3	20.1	2.5	182.7	1.4	
G12	8/ 4	56-46	161-12	Y33540 Z46558	40	.	28.4	41.1	17.0	1.4	87.9	1.6	
G12	8/ 4	56-47	161-15	Y33542 Z46576	35	.	21.6	43.2	4.2	1.7	70.6	2.4	
G12	8/ 4	56-47	161-14	Y33541 Z46568	38	.	17.6	41.1	7.5	0.0	66.3	0.0	
G12	8/ 5	56-49	161-16	Y33531 Z46578	39	4.0	91.2	111.4	16.4	0.7	219.8	0.3	
G13	6/11	56-59	160-19	Y33345 Z46195	34	2.8	8.7	26.7	5.3	0.7	41.5	1.6	
G13	8/ 5	56-49	160-36	Y33434 Z46311	36	.	5.9	10.3	8.1	0.7	25.0	2.9	
G14	6/11	57-00	159-42	Y33259 Z45946	32	3.3	1.8	2.5	4.9	0.6	9.8	6.3	
G14	8/ 5	56-50	159-59	Y33348 Z46064	30	.	1.3	0.0	0.6	0.0	1.9	0.0	
G20	7/ 7	56-59	169-34	X18713 Z49907	35	1.4	0.7	0.0	0.0	0.0	0.7	0.0	
H08	6/16	57-19	163-23	Y33698 Z47416	30	1.8	0.0	0.6	3.6	0.6	4.8	12.5	
H09	6/15	57-20	162-47	Y33592 Z47174	27	3.6	4.1	18.7	11.8	0.0	34.5	0.0	
H10	6/14	57-20	162-09	Y33499 Z46925	27	2.7	34.2	43.2	12.0	4.2	93.6	4.5	
H10	8/ 9	57-00	161-00	X11561 Y31799	31	2.5	36.8	61.5	2.7	0.0	101.0	0.0	
H11	6/13	57-19	161-32	Y33409 Z46673	31	2.0	38.4	26.4	12.0	3.6	80.4	4.5	
H11	8/ 8	57-08	161-48	Y33509 Z46787	27	.	97.7	88.3	6.1	0.7	192.8	0.3	
H12	6/12	57-19	160-56	Y33326 Z46436	34	1.7	1.3	1.9	0.6	0.0	3.8	0.0	
H12	8/ 6	57-10	161-14	Y33417 Z46560	37	4.2	0.8	5.3	0.8	0.8	7.5	10.0	
H13	6/11	57-20	160-18	Y33229 Z46177	32	3.7	2241.6	2486.3	38.7	25.8	4792.3	0.5	
H13	8/ 6	57-09	160-32	Y33320 Z46277	31	.	57.9	118.2	25.6	6.1	207.7	2.9	
H14	6/11	57-20	159-39	Y33144 Z45923	30	3.8	0.6	4.2	1.2	0.6	6.6	9.0	
H14	8/ 6	57-10	159-55	Y33234 Z46028	31	.	1.3	4.0	0.7	0.0	6.0	0.0	
H15	4/10	57-19	159-03	Y33074 Z45681	27	4.4	0.6	2.2	1.1	0.0	3.8	0.0	
H20	7/ 7	57-09	169-53	X18747 Z50038	27	4.5	0.6	0.0	0.0	0.6	1.3	50.0	
H20	7/ 7	57-19	169-37	Y34910 Z49901	36	1.0	0.0	0.0	0.7	0.0	0.7	0.0	
I07	6/18	57-39	164-00	Y33666 Z47645	27	2.4	0.0	0.0	0.7	0.0	0.7	0.0	
I08	6/17	57-39	163-22	Y33568 Z47397	27	3.1	0.6	0.6	1.2	0.0	2.4	0.0	
I09	6/14	57-41	162-45	Y33458 Z47149	22	4.0	0.0	0.6	4.4	0.6	5.6	11.1	
I10	6/14	57-40	162-09	Y33374 Z46914	27	3.7	6.9	11.8	2.1	0.7	21.4	3.2	
I10	8/ 9	57-00	162-00	X11628 Y31862	27	.	8.7	11.4	4.0	2.0	26.1	7.7	
I11	6/13	57-39	161-30	Y33284 Z46651	29	4.1	101.0	37.6	4.5	1.9	145.0	1.3	
I11	8/ 9	57-30	161-47	Y33380 Z46764	28	4.9	63.2	36.5	1.5	0.0	101.3	0.0	
I12	6/12	57-39	160-53	Y33202 Z46411	31	2.6	4.1	5.9	3.0	0.0	13.0	0.0	

NOTE: PRE-RECRUIT = 5.2-6.4 IN. WIDTH; LEGAL = GREATER THAN 6.4 IN. WIDTH

TABLE 4 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE RED KING CRAB WERE TAKEN (CONTINUED)

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					TOTAL	PERCENT LEGAL
							FEMALES	MALES (SEE NOTE)					
								SMALL	PRERECRUIT	LEGAL			
I12	8/ 6	57-29	161-10	Y33294 Z46524	31	5.0	17.4	17.4	1.3	0.6	36.8	1.7	
I13	6/11	57-41	160-15	Y33104 Z46158	29	3.7	0.8	6.8	6.0	0.8	14.3	5.3	
I13	8/ 7	57-30	160-34	Y33207 Z46283	33	5.0	10.2	9.5	4.1	0.7	24.5	2.8	
I14	6/11	57-40	159-37	Y33027 Z45908	28	3.4	4.1	5.3	3.0	0.6	13.0	4.5	
I14	8/ 7	57-29	159-57	Y33130 Z46037	30		0.7	5.5	2.1	0.7	8.9	7.7	
I15	6/10	57-38	159-01	Y32960 Z45663	25	9.0	0.7	0.7	0.0	0.7	2.0	33.3	
I16	6/10	57-39	158-20	Y32878 Z45397	20	5.1	0.0	0.6	0.6	0.0	1.2	0.0	
I18	7/ 3	57-41	168-22	Y34469 Z49358	40	.5	0.0	0.0	0.0	0.7	0.7	100.0	
I20	7/ 7	57-30	169-58	Y34859 Z49965	39	1.3	0.7	0.0	0.0	0.7	1.4	50.0	
J05	6/21	58-01	165-14	Y33720 Z48105	27	5.0	0.0	0.0	0.0	0.7	0.7	100.0	
J06	6/18	58-00	164-37	Y33621 Z47866	25	4.0	0.0	0.0	0.0	0.6	0.6	100.0	
J08	6/17	57-59	163-22	Y33429 Z47400	23	3.2	0.0	1.7	2.3	0.0	3.9	0.0	
J09	6/14	58-00	162-44	Y33323 Z47130	22	4.8	0.0	2.4	3.0	1.8	7.2	25.0	
J10	6/13	58-00	162-07	Y33234 Z46886	21	2.2	0.0	0.6	1.2	0.0	1.8	0.0	
J11	6/13	57-58	161-29	Y33157 Z46637	30	3.9	16.2	29.4	18.4	1.5	65.3	2.3	
J12	6/13	57-59	160-51	Y33072 Z46395	26	3.8	0.6	0.6	0.6	0.0	1.9	0.0	
J12	8/ 7	57-50	161-17	Y33185 Z46564	25		8.0	6.0	4.0	2.0	20.1	10.0	
J13	6/11	58-01	160-12	Y32971 Z46133	27	-1.8	0.0	1.4	5.6	0.0	7.0	0.0	
J13	8/ 7	57-49	160-32	Y33078 Z46267	29	5.2	2.7	0.0	0.7	0.0	3.4	0.0	
J14	6/10	58-00	159-36	Y32904 Z45899	23	3.9	0.0	1.8	1.8	0.0	3.6	0.0	
J15	6/10	57-58	158-57	Y32836 Z45645	20	5.3	0.0	0.6	0.0	0.0	0.6	0.0	
K03	7/ 1	58-18	166-33	Y34796 Z48563	25	3.0	0.0	0.0	0.0	0.6	0.6	100.0	
K06	6/18	58-20	164-38	Y33465 Z47839	25	3.4	0.0	0.0	1.8	1.2	3.0	40.0	
K07	6/18	58-19	164-00	Y33378 Z47600	22	3.3	0.0	0.6	1.1	1.1	2.8	40.1	
K08	6/17	58-19	163-22	Y33282 Z47357	22	3.5	0.0	0.0	2.5	0.6	3.1	19.9	
K09	6/14	58-21	162-42	Y33172 Z47102	17	4.2	0.0	0.8	0.0	0.0	0.8	0.0	
K10	6/13	58-19	162-01	Y33089 Z46841	27	3.3	0.6	0.6	1.2	0.0	2.5	0.0	
K11	6/13	58-19	161-24	Y33009 Z46602	17	9.6	0.0	0.7	0.7	0.0	1.3	0.0	
K13	6/11	58-14	160-04	Y32870 Z46082	15	6.3	0.0	0.7	0.0	0.0	0.7	0.0	
K14	6/10	58-19	159-32	Y32774 Z45877	14	6.0	0.0	0.6	1.2	0.0	1.8	0.0	
L02	7/ 1	58-39	167-12	Y33703 Z48726	25	3.2	0.0	0.0	0.0	1.3	1.3	100.0	
L03	7/ 1	58-39	166-33	Y33605 Z48502	22	3.5	0.0	0.0	0.6	0.0	0.6	0.0	
L05	6/21	58-41	165-17	Y33392 Z48043	20	2.9	0.0	0.0	0.6	0.6	1.2	50.3	
L06	6/18	58-40	164-39	Y33298 Z47808	21	4.8	0.0	0.0	1.8	0.6	2.4	24.8	
L07	6/18	58-39	164-00	Y33218 Z47571	19	4.0	0.0	0.0	2.4	0.0	2.4	0.0	
L08	6/17	58-39	163-20	Y33123 Z47325	18	3.8	0.6	0.0	0.0	0.0	0.6	0.0	
M01	7/ 2	59-00	167-53	Y33561 Z48849	23	4.0	0.0	0.0	0.6	0.0	0.6	0.0	
M02	7/ 1	58-59	167-14	Y33494 Z48654	23	3.6	0.0	0.0	0.6	0.0	0.6	0.0	
M05	6/21	59-00	165-18	Y33218 Z48001	15	5.6	0.0	0.6	0.0	0.0	0.6	0.0	
M18	7/ 2	59-00	168-32	Y33636 Z49039	26	2.8	0.0	0.0	0.7	0.0	0.7	0.0	
N01	7/ 2	59-19	167-56	Y33355 Z48778	21	3.0	0.0	0.6	0.6	0.0	1.2	0.0	
O01	6/20	59-41	167-47	Y33086 Z48638	17	1.6	0.0	0.7	0.7	0.0	1.5	0.0	
O02	6/20	59-39	167-14	Y33044 Z48488	16	5.0	0.0	0.0	0.7	0.0	0.7	0.0	
P01	6/20	60-01	168-00	Y32869 Z48602	14	2.1	0.0	0.0	0.0	0.6	0.6	100.0	
Q18	7/ 2	60-19	168-40	Y32704 Z48677	21	1.8	0.7	0.0	0.0	0.0	0.7	0.0	

NOTE: PRE-RECRUIT = 5.2-6.4 IN. WIDTH; LEGAL = GREATER THAN 6.4 IN. WIDTH

TABLE 5 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE BLUE KING CRAB WERE TAKEN

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					TOTAL	PERCENT LEGAL
							FEMALES	MALES (SEE NOTE)			TOTAL		
								SMALL	PRERECRUIT	LEGAL			
G20	7/ 7	56-48	169-52	X18642 Z49980	42	3.4	6.6	0.0	0.0	0.7	7.2	9.1	
G20	7/ 7	56-59	169-34	X18713 Z49907	35	1.4	29.3	3.5	0.0	0.7	34.1	2.0	
G21	7/14	56-58	170-09	X18680 Z50102	40	2.6	3.9	0.0	0.0	1.3	5.1	25.0	
H01	7/ 3	57-21	167-43	Y34496 Z49159	40	1.0	0.0	0.0	0.0	0.8	0.8	100.0	
H18	7/ 4	57-20	168-21	Y34635 Z49406	42	1.4	2.0	4.6	0.0	0.0	6.5	0.0	
H19	7/ 9	57-10	169-19	X18744 Z49807	40	1.2	8.8	0.0	0.0	0.0	8.8	0.0	
H19	7/ 9	57-18	169-01	Y34792 Z49676	40	.7	3.5	0.0	0.0	0.0	3.5	0.0	
H20	7/ 7	57-09	169-53	X18747 Z50038	27	4.5	13.7	1.3	0.0	0.0	15.0	0.0	
H20	7/ 7	57-19	169-37	Y34910 Z49901	36	1.0	7.9	0.7	0.0	2.0	10.5	18.8	
H21	7/14	57-20	170-15	X18700 Y35002	30	5.4	30.0	0.8	0.8	3.2	34.8	9.1	
H21	7/14	57-07	170-28	X18659 Y35111	26	5.2	0.7	0.0	0.0	0.0	0.7	0.0	
I01	7/ 3	57-41	167-45	Y34349 Z49124	37	1.2	0.0	0.0	0.7	0.0	0.7	0.0	
I18	7/ 3	57-41	168-22	Y34469 Z49358	40	.5	2.0	0.0	0.7	0.7	1.3	49.7	
I18	7/ 4	57-30	168-38	Y34616 Z49491	40	1.7	2.0	4.1	0.0	0.7	6.8	10.0	
I19	7/ 9	57-29	169-12	Y34739 Z49711	38	.0	0.0	0.0	0.7	0.0	0.7	0.0	
I19	7/ 9	57-41	169-01	Y34591 Z49596	37	.4	0.0	0.7	0.0	0.0	0.7	0.0	
I20	7/ 7	57-30	169-58	Y34859 Z49965	39	1.3	0.7	0.7	0.7	1.4	3.5	40.0	
I20	7/ 8	57-39	169-38	Y34706 Z49808	40	.0	0.0	0.0	0.7	0.0	0.7	0.0	
I21	7/13	57-40	170-18	Y34760 Z49974	39	2.2	2.4	0.0	0.0	0.8	3.2	25.0	
I21	7/14	57-30	170-35	Y34876 Z50002	41	2.7	0.7	0.0	0.0	0.0	0.7	0.0	
I22	7/13	57-40	170-54	X18455 Y34737	48	2.0	0.7	0.0	0.0	1.3	2.0	66.7	
J18	7/ 3	57-50	168-40	Y34436 Z49428	40	.0	0.0	0.0	0.7	1.3	2.0	66.7	
J19	7/10	57-49	169-22	Y34556 Z49670	36	.0	0.0	0.0	0.8	0.0	0.8	0.0	
J19	7/10	57-59	169-04	Y34400 Z49519	39	.0	0.0	0.0	0.0	0.7	0.7	100.0	
J20	7/ 8	57-49	170-00	X18622 Z49847	41	1.2	0.0	0.0	1.4	1.4	2.8	50.0	
J21	7/13	57-50	170-36	Y34632 Z49950	42	2.9	0.0	0.0	0.6	0.0	0.6	0.0	
K19	7/10	58-19	169-07	Y34181 Z49425	37	.4	0.0	0.0	0.7	0.0	0.7	0.0	
K21	7/13	58-20	170-22	Y34264 Z49717	42	-.4	0.0	0.0	0.0	0.6	0.6	100.0	
K22	7/13	58-20	171-01	X18299 Y34266	48	.9	0.0	0.0	0.0	1.3	1.3	100.0	
L23	7/21	58-39	171-43	X18068 Y34031	52	.5	0.0	0.0	0.0	0.6	0.6	100.0	
M24	7/22	58-59	172-27	Y33778 Z49749	56	.6	0.6	0.0	0.0	0.0	0.6	0.0	
N25	7/25	59-21	173-10	X17593 Y33512	55	1.6	0.0	0.0	0.6	2.5	3.2	79.9	
N26	7/25	59-20	173-48	Y33494 Z49747	62	.6	0.0	0.0	0.0	1.0	1.0	100.0	
N27	8/11	59-19	174-27	X17236 Z49787	68	2.1	0.0	0.0	0.7	0.7	1.4	50.3	
O24	7/22	59-29	172-48	X17679 Y33436	53	-1.2	0.0	0.0	0.7	0.7	1.3	50.0	
O24	7/23	59-39	172-34	X17713 Y33323	48	-1.1	0.0	0.0	0.0	1.3	1.3	100.0	
O25	7/24	59-40	173-13	X17551 Y33301	52	-.5	0.0	0.0	0.6	0.6	1.3	50.3	
O25	7/24	59-30	173-29	X17495 Y33401	57	.7	0.0	0.7	0.0	2.0	2.7	74.9	
O26	7/25	59-40	173-52	X17384 Y33293	59	.2	0.0	0.0	1.3	4.0	5.3	75.0	
O27	8/11	59-39	174-27	X17226 Z49701	65	1.9	0.0	0.0	0.7	1.3	2.0	66.7	
O28	8/13	59-40	175-10	X17028 Z49733	72	1.8	0.0	0.0	0.7	2.0	2.7	75.1	
P23	7/22	59-59	171-59	X17804 Y33101	36	-.7	0.0	2.1	0.0	0.7	2.9	25.0	
P24	7/23	59-49	172-54	Y33212 Z49532	46	-1.6	0.0	0.0	0.0	0.7	0.7	100.0	
P24	7/23	59-58	172-39	X17657 Z49460	37	-1.6	0.0	0.0	0.0	1.4	1.4	100.0	
P25	7/24	60-00	173-17	X17503 Y33082	41	-.9	0.0	1.4	0.0	1.4	2.7	49.8	

NOTE: PRE-RECRUIT = 5.2-6.4 IN. WIDTH; LEGAL = GREATER THAN 6.4 IN. WIDTH FOR AREA S. OF 58:39N  
PRE-RECRUIT = 4.3-5.4 IN. WIDTH; LEGAL = GREATER THAN 5.4 IN. WIDTH FOR AREA N. OF 58:39N

TABLE 5 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE BLUE KING CRAB WERE TAKEN (CONTINUED)

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	FEMALES	NUMBER PER MILE TOWED			TOTAL	PERCENT LEGAL
								MALES (SEE NOTE)				
								SMALL	PRERECRUIT	LEGAL		
P25	7/24	59-50	173-34	X17449 Y33191	52	.0	0.0	0.0	1.4	2.1	3.6	60.0
P26	7/24	60-00	174-00	Y33077 Z49574	55	-1.5	0.0	0.0	1.3	0.7	2.0	33.3
P26	7/24	59-50	174-14	X17278 Y33178	60	-1.5	0.0	0.7	0.7	1.3	2.7	49.8
P28	8/12	60-00	175-16	X16998 Z49658	65	1.0	0.0	0.0	0.0	4.0	4.0	100.0
Q19	7/11	60-19	169-20	Y32748 Z48823	24	.	0.6	0.0	0.0	0.0	0.6	0.0
Q23	7/22	60-09	172-17	X17718 Y32988	31	1.0	1.9	6.4	0.6	0.0	9.0	0.0
Q23	7/22	60-19	172-05	X17738 Y32870	32	-.5	0.6	0.6	1.2	0.0	2.3	0.0
Q24	7/23	60-10	172-59	X17561 Z49437	33	-1.0	13.4	15.4	3.3	3.3	35.4	9.4
Q25	7/24	60-21	173-23	X17451 Y32861	33	.0	1.4	3.5	3.5	4.9	13.2	36.8
Q25	7/24	60-09	173-36	X17417 Y32988	42	-1.0	0.0	0.7	0.0	1.4	2.1	66.7
Q26	7/24	60-20	174-06	Y32871 Z49492	52	-1.3	0.0	0.0	0.0	0.6	0.6	100.0
Q26	7/24	60-09	174-22	Y32973 Z49562	57	-1.0	0.0	0.0	1.3	3.3	4.6	71.4
Q27	8/11	60-19	174-43	X17133 Z49541	58	.0	0.0	0.0	1.3	1.3	2.6	49.8
R24	7/10	60-39	172-42	X17569 Z49261	27	-.3	0.0	0.0	0.7	0.0	0.7	0.0
R25	7/23	60-40	173-29	X17400 Y32656	36	.0	0.0	2.3	0.0	0.6	2.8	19.9
R32	8/16	60-40	178-10	X16269 Z49634	91	2.9	0.7	0.0	0.0	0.0	0.7	0.0
S25	7/23	60-59	173-28	X17376 Y32449	41	-.7	0.0	0.0	0.0	0.7	0.7	100.0

NOTE: PRE-RECRUIT = 5.2-6.4 IN. WIDTH; LEGAL = GREATER THAN 6.4 IN. WIDTH FOR AREA S. OF 58:39N  
 PRE-RECRUIT = 4.3-5.4 IN. WIDTH; LEGAL = GREATER THAN 5.4 IN. WIDTH FOR AREA N. OF 58:39N

TABLE 6 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE BAIRDI TANNER CRAB WERE TAKEN

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					TOTAL	PERCENT LEGAL
							FEMALES	MALES (SEE NOTE)			TOTAL		
								SMALL	PRERECRUIT	LEGAL			
A02	6/29	54-58	166-56	X18233 Z48678	89	4.4	48.6	28.7	4.4	0.0	81.6	0.0	
A03	6/25	55-00	166-18	Y34736 Z48467	80	4.7	59.7	19.6	10.2	0.7	90.2	0.8	
A04	6/21	54-59	165-45	X18313 Z48274	73	4.2	40.2	8.2	11.9	0.6	60.9	1.0	
A05	6/25	55-00	165-08	Y34562 Z48052	61	9.0	3.2	6.3	3.8	0.6	13.9	4.5	
B01	7/ 8	55-20	167-32	Y34878 Z48931	82	4.5	185.9	102.0	15.6	2.5	305.9	0.8	
B02	6/29	55-19	166-58	X18332 Z48737	79	4.4	14.1	20.0	3.7	2.2	40.0	5.5	
B03	6/29	55-20	166-21	Y34704 Z48519	75	6.9	16.3	9.2	5.0	0.0	30.5	0.0	
B04	6/21	55-19	165-47	X18397 Z48317	68	3.3	2.5	1.3	3.8	1.3	8.9	14.3	
B05	6/24	55-20	165-08	Y34514 Z48080	63	6.0	1.9	7.4	8.3	2.8	20.3	13.6	
B06	6/20	55-20	164-35	Y34425 Z47873	57	4.8	0.6	4.3	6.7	2.4	14.0	17.4	
B07	6/16	55-19	164-02	Y34342 Z47667	43	4.0	1.4	6.5	1.4	0.7	10.1	7.2	
B08	6/15	55-21	163-25	Y34241 Z47430	28	3.4	6.2	5.6	0.0	0.0	11.8	0.0	
C01	7/ 8	55-40	167-34	Y34854 Z48995	75	4.6	87.6	40.4	12.2	2.3	142.4	1.6	
C02	6/29	55-39	166-59	X18428 Z48785	75	4.7	4.1	6.8	3.4	0.0	14.3	0.0	
C03	6/29	55-39	166-22	Y34665 Z48565	70	5.4	50.7	69.8	8.8	2.2	131.4	1.7	
C05	6/24	55-41	165-09	Y34456 Z48108	61	5.0	4.7	3.1	3.9	0.8	12.4	6.2	
C06	6/20	55-40	164-35	Y34364 Z47890	54	3.1	1.8	5.2	2.3	0.0	9.3	0.0	
C07	6/16	55-38	164-00	Y34273 Z47664	53	.	16.3	11.6	7.0	0.8	35.7	2.2	
C08	6/15	55-39	163-24	Y34175 Z47431	45	2.7	9.1	4.8	4.8	0.0	18.7	0.0	
C09	8/ 3	55-41	162-33	Y34034 Z47105	28	.	5.8	16.8	0.0	0.0	22.7	0.0	
C09	6/16	55-40	162-49	Y34081 Z47208	27	.	36.9	47.4	0.0	0.0	84.3	0.0	
C18	7/15	55-40	168-11	X18357 Z49200	76	5.2	15.7	11.1	0.0	0.0	26.8	0.0	
D01	7/ 8	55-59	167-36	Y34819 Z49052	74	4.0	17.6	16.3	5.6	1.3	40.8	3.1	
D02	6/29	55-59	167-00	X18517 Z48831	75	4.1	5.6	9.8	0.7	0.0	16.0	0.0	
D03	6/29	55-59	166-24	Y34613 Z48603	70	4.5	43.2	46.1	2.1	0.0	91.5	0.0	
D04	6/21	55-59	165-45	Y34501 Z48362	61	2.6	0.6	3.6	0.0	0.0	4.2	0.0	
D05	6/24	56-00	165-11	Y34395 Z48137	54	2.4	6.3	1.6	0.0	0.8	8.6	9.1	
D06	6/20	56-00	164-34	Y34292 Z47902	53	2.1	10.4	8.0	0.6	0.0	19.0	0.0	
D07	8/ 1	55-58	163-54	Y34187 Z47638	51	.	15.4	19.4	4.7	1.3	40.8	3.3	
D07	8/ 1	55-58	163-54	Y34187 Z47636	51	.	1.4	0.0	0.7	0.7	2.8	25.0	
D07	6/17	55-59	163-59	Y34196 Z47672	50	2.0	18.3	23.5	5.9	0.0	47.6	0.0	
D07	8/ 1	56-00	163-54	X18586 Z47638	49	2.6	4.9	3.3	0.0	0.0	8.1	0.0	
D07	8/ 1	55-59	163-55	X18583 Z47640	50	.	0.8	1.5	0.0	0.0	2.3	0.0	
D08	6/16	55-59	163-23	Y34099 Z47436	50	2.3	3.1	1.8	0.6	1.2	6.8	18.1	
D09	6/15	56-00	162-48	Y33999 Z47205	43	2.8	8.1	21.8	13.7	3.1	46.7	6.7	
D10	6/15	56-00	162-15	Y33911 Z46985	39	2.7	0.0	4.1	1.2	0.6	5.9	10.0	
D10	8/ 3	55-49	162-34	Y34006 Z47109	35	.	0.6	1.9	0.0	0.0	2.6	0.0	
D10	8/ 3	55-49	162-33	Y34004 Z47106	35	.	4.0	5.3	0.7	0.0	10.0	0.0	
D10	8/ 3	55-55	162-19	Y33942 Z47008	38	.	0.7	2.0	0.0	0.0	2.7	0.0	
D10	8/ 3	55-55	162-18	Y33942 Z47006	38	.	0.0	0.0	0.7	0.0	0.7	0.0	
D10	8/ 3	56-01	162-09	Y33895 Z46947	38	.	1.3	0.7	0.0	0.0	2.0	0.0	
D10	8/ 3	56-00	162-10	Y33898 Z46951	37	.	0.7	1.3	0.0	0.0	2.0	0.0	
D10	8/ 3	56-05	162-02	Y33858 Z46897	37	.	0.0	0.7	0.0	0.0	0.7	0.0	
D10	8/ 3	56-04	162-02	Y33860 Z46899	35	.	0.7	0.0	0.0	0.0	0.7	0.0	
D10	8/ 3	55-50	162-35	Y34006 Z47115	34	7.8	0.7	0.7	0.0	0.0	1.4	0.0	

NOTE: PRE-RECRUIT = 4.3-5.4 IN. WIDTH; LEGAL = GREATER THAN 5.4 IN. WIDTH

TABLE 6 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE BAIRDI TANNER CRAB WERE TAKEN (CONTINUED)

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					TOTAL	PERCENT LEGAL
							FEMALES	MALES (SEE NOTE)					
								SMALL	PRERECRUIT	LEGAL			
D10	8/ 3	55-56	162-20	Y33941 Z47021	36	.	0.6	0.0	0.0	0.0	0.6	0.0	
D10	8/ 3	55-55	162-20	Y 0 Z 0	36	.	0.0	0.8	0.0	0.0	0.8	0.0	
D10	8/ 3	56-02	162-11	Y33894 Z46955	35	4.0	0.0	1.8	0.0	0.0	1.8	0.0	
D10	8/ 3	56-01	162-11	Y33899 Z46959	35	.	0.8	0.0	0.0	0.0	0.8	0.0	
D10	8/ 3	56-06	162-03	Y33857 Z46905	34	.	0.8	0.0	0.0	0.0	0.8	0.0	
D18	7/15	56-00	168-13	X18463 Z49268	84	4.3	42.1	23.8	0.0	0.0	65.9	0.0	
E01	7/ 8	56-19	167-39	Y34777 Z49109	72	3.7	8.1	7.4	3.7	0.7	20.0	3.7	
E02	6/30	56-19	167-01	Y34660 Z48869	64	3.3	9.8	2.8	2.8	0.0	15.3	0.0	
E03	6/29	56-19	166-25	Y34548 Z48632	57	3.0	3.9	5.8	0.6	0.6	10.9	5.9	
E05	6/24	56-19	165-12	Y34328 Z48155	48	2.8	15.5	9.8	0.0	0.0	25.3	0.0	
E06	6/19	56-20	164-35	Y34211 Z47912	49	1.5	5.5	3.7	1.8	0.0	11.0	0.0	
E07	6/17	56-19	163-59	Y34116 Z47676	48	1.9	13.0	7.4	2.5	0.0	22.9	0.0	
E08	6/16	56-19	163-25	Y34018 Z47446	47	2.0	2.9	0.6	0.0	0.6	4.1	14.2	
E09	6/15	56-20	162-48	Y33910 Z47200	43	2.5	7.2	2.4	1.2	0.6	11.3	5.2	
E10	6/15	56-20	162-12	Y33817 Z46961	43	2.4	3.6	0.6	0.6	0.0	4.8	0.0	
E10	8/10	56-10	162-22	X18624 Z47027	39	.	1.3	0.7	2.0	0.0	4.0	0.0	
E11	8/ 4	56-10	161-54	Y33815 Z46844	37	.	4.0	3.3	0.7	0.0	8.0	0.0	
E11	8/ 4	56-10	161-54	Y33817 Z46845	36	.	0.7	0.0	0.0	0.0	0.7	0.0	
E11	8/ 4	56-16	161-42	Y33758 Z46762	35	.	0.6	0.0	0.0	0.6	1.3	50.0	
E11	8/ 4	56-25	161-36	Y33702 Z46724	36	.	0.7	0.0	0.7	0.7	2.0	33.2	
E11	8/ 4	56-25	161-36	Y33700 Z46719	36	.	0.7	0.0	0.0	0.7	1.3	50.0	
E11	6/12	56-20	161-28	Y33705 Z46672	34	3.2	1.2	3.7	0.0	0.0	4.9	0.0	
E11	8/ 4	56-11	161-56	Y33818 Z46859	35	.	0.0	0.8	0.0	0.0	0.8	0.0	
E11	8/ 4	56-10	161-55	Y33816 Z46853	35	.	0.0	0.0	0.8	0.0	0.8	0.0	
E11	8/ 4	56-16	161-43	Y33758 Z46767	33	.	0.9	0.0	0.0	0.0	0.9	0.0	
E11	8/ 4	56-26	161-37	Y33700 Z46726	35	.	0.0	0.0	0.0	0.8	0.8	100.0	
E11	8/10	56-09	161-54	X18626 Z46846	33	4.3	1.5	0.0	0.0	0.0	1.5	0.0	
E12	6/12	56-19	161-00	Y33642 Z46483	30	3.1	21.7	24.1	0.0	0.0	45.8	0.0	
E18	7/ 5	56-20	168-14	X18566 Z49328	87	4.1	0.7	14.4	45.2	2.7	63.0	4.3	
E19	7/ 7	56-21	168-51	Y34984 Z49549	71	3.4	55.3	7.7	4.6	0.8	68.4	1.1	
E20	7/ 6	56-22	169-28	X18497 Z49748	75	4.1	12.7	11.4	0.0	0.0	24.1	0.0	
E21	7/15	56-20	170-03	X18405 Z49900	61	3.9	126.5	106.6	5.3	0.0	238.4	0.0	
E22	7/14	56-20	170-41	X18269 Z50015	68	.	7.3	14.6	2.7	0.0	24.5	0.0	
F01	7/ 8	56-39	167-39	Y34711 Z49138	58	2.3	1.6	6.3	0.0	0.0	7.8	0.0	
F02	6/30	56-39	167-04	Y34591 Z48903	54	2.5	0.0	2.1	0.0	0.0	2.1	0.0	
F03	6/29	56-39	166-26	Y34467 Z48651	47	1.7	16.3	10.7	1.3	0.6	28.9	2.2	
F04	6/22	56-41	165-51	Y34348 Z48421	44	.	216.7	251.4	1.8	1.2	471.1	0.3	
F05	6/24	56-37	165-13	Y34247 Z48165	44	.6	15.5	14.8	0.0	0.0	30.2	0.0	
F06	6/19	56-40	164-35	Y34120 Z47919	43	.4	0.6	0.6	0.0	0.6	1.9	33.3	
F07	6/17	56-39	164-00	Y34022 Z47677	42	.4	5.2	5.8	1.3	0.6	13.0	5.0	
F08	6/16	56-39	163-23	Y33919 Z47432	43	1.2	0.6	0.0	0.0	0.0	0.6	0.0	
F09	6/15	56-41	162-47	Y33809 Z47188	40	1.4	0.0	3.1	2.5	1.3	6.9	18.2	
F10	6/14	56-40	162-12	Y33722 Z46957	41	1.1	4.3	0.0	0.0	0.6	4.9	12.5	
F10	8/10	56-30	162-31	Y33821 Z47089	41	2.8	2.4	4.2	0.0	0.0	6.6	0.0	
F11	8/ 4	56-34	161-24	Y33631 Z46641	40	.	14.1	0.0	4.5	3.2	21.9	14.7	

NOTE: PRE-RECRUIT = 4.3-5.4 IN. WIDTH; LEGAL = GREATER THAN 5.4 IN. WIDTH



TABLE 6 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE BAIRDI TANNER CRAB WERE TAKEN (CONTINUED)

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					TOTAL	PERCENT LEGAL
							FEMALES	MALES (SEE NOTE)			TOTAL		
								SMALL	PRERECRUIT	LEGAL			
F11	8/ 4	56-34	161-23	Y33628 Z46634	40	.	35.8	1.3	7.3	6.6	51.1	13.0	
F11	8/ 4	56-42	161-19	Y33575 Z46602	37	.	8.7	0.0	2.0	3.3	14.0	23.8	
F11	8/ 4	56-42	161-18	Y33574 Z46596	40	.	3.4	0.0	5.4	9.4	18.2	51.9	
F11	6/12	56-38	161-35	Y33633 Z46707	49	1.6	141.7	3.3	24.1	20.7	189.9	10.9	
F11	8/ 4	56-34	161-27	Y33632 Z46655	37	4.5	1.6	0.8	3.1	0.0	5.4	0.0	
F11	8/ 4	56-34	161-25	Y33630 Z46644	37	.	1.5	0.0	3.7	3.7	9.0	41.7	
F11	8/ 4	56-43	161-21	Y33577 Z46614	35	.	4.0	0.8	1.6	0.0	6.3	0.0	
F11	8/ 4	56-42	161-19	Y33574 Z46603	38	4.5	4.4	0.0	5.3	9.7	19.5	50.0	
F11	8/ 8	56-30	161-45	Y33702 Z46779	52	.	10.2	1.3	8.9	7.0	27.4	25.6	
F12	6/12	56-39	160-59	Y33544 Z46468	38	3.1	23.0	3.8	7.6	2.5	37.0	6.9	
F12	8/ 8	56-30	161-13	Y33622 Z46566	38	5.3	6.1	3.4	4.0	3.4	16.9	20.0	
F13	6/12	56-40	160-21	Y33443 Z46211	32	3.0	3.3	2.7	1.3	0.7	8.0	8.4	
F18	7/ 5	56-40	168-17	Y34832 Z49383	60	2.6	0.7	1.3	0.7	0.0	2.7	0.0	
F19	7/30	56-34	168-50	Y34956 Z49580	61	.	0.0	0.6	0.6	0.0	1.3	0.0	
F19	7/30	56-33	168-50	Y34957 Z49577	61	.	0.0	0.7	0.0	0.0	0.7	0.0	
F19	7/30	56-35	168-46	Y34940 Z49561	61	.	1.3	0.7	0.0	0.0	2.0	0.0	
F19	7/ 7	56-40	168-54	Y34949 Z49617	57	1.7	1.5	0.8	2.3	0.0	4.5	0.0	
F19	7/30	56-36	168-50	X18623 Z49581	59	.	0.7	0.0	0.0	0.0	0.7	0.0	
F20	7/ 6	56-38	169-27	X18605 Z49809	40	4.5	0.0	0.7	0.0	0.0	0.7	0.0	
F21	7/15	56-40	170-06	X18548 Z50001	53	3.7	234.1	172.7	4.2	0.7	411.7	0.2	
F22	7/14	56-40	170-44	X18402 Y35127	64	.	37.6	5.6	5.6	0.0	48.8	0.0	
F23	7/20	56-40	171-20	X18197 Z50146	62	3.9	80.9	15.7	21.5	2.6	120.7	2.2	
F24	7/21	56-39	171-59	X17961 Y34992	71	4.0	70.2	54.8	3.3	0.7	129.0	0.5	
F25	7/26	56-40	172-33	X17745 Y34910	85	4.2	20.9	12.3	2.2	0.7	36.1	2.0	
G01	7/ 3	57-00	167-41	Y34617 Z49159	43	1.1	11.1	8.5	0.0	0.0	19.6	0.0	
G02	6/30	56-59	167-05	Y34497 Z48915	42	1.2	1.3	4.7	0.7	0.0	6.7	0.0	
G03	6/30	56-59	166-27	Y34372 Z48664	41	.7	43.4	30.9	0.0	0.0	74.3	0.0	
G04	6/22	56-59	165-50	Y34248 Z48413	41	.	3.0	1.2	0.0	0.0	4.3	0.0	
G05	6/22	56-58	165-11	Y34133 Z48153	39	.5	2.1	4.3	0.7	0.7	7.8	9.1	
G07	6/17	56-59	164-00	Y33918 Z47673	38	.0	0.7	0.0	0.0	0.0	0.7	0.0	
G09	6/15	57-01	162-47	Y33703 Z47183	33	1.8	2.8	2.1	6.3	2.1	13.2	15.8	
G10	6/14	57-00	162-10	Y33615 Z46938	35	1.4	2.5	3.1	1.8	3.1	10.4	29.4	
G10	8/ 9	57-00	161-00	X11464 Y31737	31	2.3	3.3	1.3	0.7	0.0	5.4	0.0	
G11	6/12	56-58	161-34	Y33529 Z46693	37	1.8	24.7	2.7	12.3	1.4	41.1	3.3	
G11	8/ 8	56-48	161-50	Y33621 Z46804	36	2.5	0.0	0.7	5.0	1.4	7.2	20.0	
G12	6/12	56-59	160-57	Y33437 Z46448	37	1.7	8.5	1.8	1.8	1.8	14.0	13.0	
G12	8/ 4	56-46	161-13	Y33542 Z46563	38	.	5.0	0.0	1.9	3.1	10.0	31.3	
G12	8/ 4	56-46	161-12	Y33540 Z46558	40	.	12.1	1.4	9.2	12.1	34.7	34.7	
G12	8/ 4	56-47	161-15	Y33542 Z46576	35	.	1.7	0.0	2.5	0.0	4.2	0.0	
G12	8/ 4	56-47	161-14	Y33541 Z46568	38	.	2.5	0.0	3.4	3.4	9.2	36.4	
G12	8/ 5	56-49	161-16	Y33531 Z46578	39	4.0	4.5	0.0	0.7	1.5	6.7	22.2	
G13	6/11	56-59	160-19	Y33345 Z46195	34	2.8	4.7	0.0	5.3	10.7	20.7	51.6	
G13	8/ 5	56-49	160-36	Y33434 Z46311	36	.	6.6	2.9	16.2	6.6	32.3	20.5	
G14	6/11	57-00	159-42	Y33259 Z45946	32	3.3	0.6	1.2	1.2	1.8	4.9	37.5	
G14	8/ 5	56-50	159-59	Y33348 Z46064	30	.	0.6	1.3	2.5	0.6	5.0	12.5	

NOTE: PRE-RECRUIT = 4.3-5.4 IN. WIDTH; LEGAL = GREATER THAN 5.4 IN. WIDTH

TABLE 6 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE BAIRDI TANNER CRAB WERE TAKEN (CONTINUED)

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					TOTAL	PERCENT LEGAL
							FEMALES	MALES (SEE NOTE)					
								SMALL	PRERECRUIT	LEGAL			
G18	7/ 4	57-00	168-18	Y34748 Z49407	46	2.6	5.1	3.9	0.0	0.0	9.0	0.0	
G18	7/ 4	56-50	168-36	Y34857 Z49516	55	2.6	0.0	0.7	0.0	0.0	0.7	0.0	
G19	7/ 7	56-48	169-18	Y35007 Z49787	45	2.0	4.3	0.7	0.0	0.0	5.0	0.0	
G19	7/ 7	56-59	168-58	Y34894 Z49667	43	1.4	2.4	0.8	0.0	0.0	3.1	0.0	
G20	7/ 7	56-48	169-52	X18642 Z49980	42	3.4	12.5	19.1	3.9	0.7	36.2	1.8	
G20	7/ 7	56-59	169-34	X18713 Z49907	35	1.4	31.4	48.1	4.9	2.1	86.4	2.4	
G21	7/14	56-58	170-09	X18680 Z50102	40	2.6	31.5	37.9	10.3	5.1	84.8	6.1	
G21	7/14	56-49	170-28	X18539 Z50117	56	6.7	79.0	62.3	5.1	0.0	146.5	0.0	
G22	7/14	56-59	170-46	X18511 Y35094	54	2.9	14.0	22.1	1.3	0.0	37.4	0.0	
G23	7/20	56-59	171-23	X18269 Y35004	60	3.8	25.1	10.9	10.9	0.0	46.9	0.0	
G24	7/21	56-59	172-01	X18024 Z50183	66	3.1	62.4	13.9	12.9	0.0	89.2	0.0	
G25	7/26	57-00	172-39	X17783 Y34810	67	3.5	61.2	17.8	5.3	0.7	84.9	0.8	
G26	7/26	57-00	173-15	Y34725 Z50190	81	3.6	45.5	25.4	0.0	0.0	70.9	0.0	
H01	7/ 3	57-21	167-43	Y34496 Z49159	40	1.0	0.0	1.6	0.0	0.0	1.6	0.0	
H02	6/30	57-19	167-07	Y34384 Z48913	40	1.2	1.4	0.7	0.0	0.0	2.0	0.0	
H03	6/30	57-19	166-28	Y34253 Z48656	38	1.8	2.0	3.3	0.0	0.0	5.3	0.0	
H04	6/22	57-20	165-52	Y34129 Z48411	39		0.6	0.0	0.0	0.0	0.6	0.0	
H07	6/17	57-19	164-00	Y33801 Z47662	33	1.8	0.0	0.7	0.7	1.5	2.9	50.0	
H08	6/16	57-19	163-23	Y33698 Z47416	30	1.8	0.0	0.6	0.0	0.6	1.2	50.0	
H09	6/15	57-20	162-47	Y33592 Z47174	27	3.6	0.7	2.1	4.8	4.8	12.4	38.9	
H10	6/14	57-20	162-09	Y33499 Z46925	27	2.7	0.0	0.0	1.8	0.0	1.8	0.0	
H10	8/ 9	57-00	161-00	X11561 Y31799	31	2.5	2.0	0.0	1.3	2.0	5.4	37.5	
H11	6/13	57-19	161-32	Y33409 Z46673	31	2.0	30.0	1.8	10.2	14.4	56.4	25.5	
H11	8/ 8	57-08	161-48	Y33509 Z46787	27		0.7	0.7	1.3	4.0	6.7	60.0	
H12	6/12	57-19	160-56	Y33326 Z46436	34	1.7	2.5	0.0	1.3	5.0	8.8	57.2	
H12	8/ 6	57-10	161-14	Y33417 Z46560	37	4.2	17.4	2.3	8.3	4.5	32.4	13.9	
H13	6/11	57-20	160-18	Y33229 Z46177	32	3.7	5.0	1.9	1.9	3.7	12.5	30.0	
H13	8/ 6	57-09	160-32	Y33320 Z46277	31		2.4	1.2	6.7	17.1	27.4	62.2	
H14	6/11	57-20	159-39	Y33144 Z45923	30	3.8	0.0	0.6	3.0	4.8	8.3	57.2	
H14	8/ 6	57-10	159-55	Y33234 Z46028	31		0.0	0.7	2.7	0.7	4.0	16.6	
H15	6/10	57-19	159-03	Y33074 Z45681	27	4.4	0.6	0.6	0.6	0.0	1.6	0.0	
H15	8/ 6	57-10	159-20	Y33154 Z45792	30		0.0	0.7	0.0	0.0	0.7	0.0	
H18	7/ 4	57-20	168-21	Y34635 Z49406	42	1.4	47.0	43.7	0.0	0.0	90.7	0.0	
H18	7/ 4	57-10	168-36	Y34755 Z49522	44	1.5	6.6	8.6	0.0	0.0	15.1	0.0	
H19	7/ 9	57-10	169-19	X18744 Z49807	40	1.2	4.4	3.1	0.0	0.0	7.5	0.0	
H19	7/ 9	57-18	169-01	Y34792 Z49676	40	.7	5.6	5.6	0.0	0.0	11.2	0.0	
H20	7/ 7	57-19	169-37	Y34910 Z49901	36	1.0	3.3	3.3	0.7	0.0	7.2	0.0	
H21	7/14	57-20	170-15	X18700 Y35002	30	5.4	0.8	2.4	0.0	0.0	3.2	0.0	
H21	7/14	57-07	170-28	X18659 Y35111	26	5.2	15.1	31.5	0.7	0.0	47.3	0.0	
H22	7/13	57-20	170-52	X18510 Y34947	47	2.9	1.4	3.4	0.7	0.0	5.5	0.0	
H23	7/20	57-19	171-27	X18287 Y34874	56	2.3	2.6	3.9	3.2	0.0	9.6	0.0	
H24	7/21	57-19	172-06	X18039 Y34773	61	3.0	11.9	9.3	13.3	0.0	34.5	0.0	
H25	7/26	57-20	172-42	X17807 Y34681	65	3.3	82.2	24.0	19.6	0.0	125.9	0.0	
H26	7/26	57-20	173-20	Y34597 Z50168	68	3.3	299.0	39.4	12.0	0.7	351.1	0.2	
I01	7/ 3	57-41	167-45	Y34349 Z49124	37	1.2	9.4	22.1	0.0	0.0	31.4	0.0	

NOTE: PRE-RECRUIT = 4.3-5.4 IN. WIDTH; LEGAL = GREATER THAN 5.4 IN. WIDTH



TABLE 6 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE BAIRDI TANNER CRAB WERE TAKEN (CONTINUED)

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					TOTAL	PERCENT LEGAL
							FEMALES	MALES (SEE NOTE)			TOTAL		
								SMALL	PRERECRUIT	LEGAL			
I02	6/30	57-39	167-08	Y34241 Z48887	38	1.1	0.0	0.0	0.7	0.0	0.7	0.0	
I03	6/30	57-38	166-30	Y34121 Z48636	37	1.8	0.0	0.7	0.0	0.0	0.7	0.0	
I06	6/19	57-40	164-37	Y33769 Z47895	30	1.7	0.0	0.0	0.6	0.0	0.6	0.0	
I07	6/18	57-39	164-00	Y33666 Z47645	27	2.4	2.0	0.7	0.0	0.0	2.7	0.0	
I10	6/14	57-40	162-09	Y33374 Z46914	27	3.7	0.0	0.0	0.7	0.7	1.4	50.0	
I11	6/13	57-39	161-30	Y33284 Z46651	29	4.1	1.9	0.6	3.9	5.2	11.7	44.5	
I11	8/ 9	57-30	161-47	Y33380 Z46764	28	4.9	0.8	0.8	0.8	0.0	2.3	0.0	
I12	6/12	57-39	160-53	Y33202 Z46411	31	2.6	0.6	0.6	3.6	1.8	6.5	27.3	
I12	8/ 6	57-29	161-10	Y33294 Z46524	31	5.0	0.6	0.0	5.0	3.1	8.7	35.7	
I13	6/11	57-41	160-15	Y33104 Z46158	29	3.7	0.0	0.8	4.5	0.8	6.0	12.5	
I13	8/ 7	57-30	160-34	Y33207 Z46283	33	5.0	2.0	0.7	0.7	0.0	3.4	0.0	
I14	6/11	57-40	159-37	Y33027 Z45908	28	3.4	1.2	2.4	0.0	0.6	4.1	14.3	
I14	8/ 7	57-29	159-57	Y33130 Z46037	30	.	0.0	1.4	4.1	0.7	6.2	11.1	
I15	6/10	57-38	159-01	Y32960 Z45663	25	9.0	0.0	0.7	0.0	0.0	0.7	0.0	
I18	7/ 3	57-41	168-22	Y34469 Z49358	40	.5	4.7	6.0	0.7	0.0	11.4	0.0	
I18	7/ 4	57-30	168-38	Y34616 Z49491	40	1.7	8.2	3.4	0.0	0.0	11.6	0.0	
I19	7/ 9	57-29	169-12	Y34739 Z49711	38	.0	0.7	2.1	0.0	0.0	2.8	0.0	
I19	7/ 9	57-41	169-01	Y34591 Z49596	37	.4	2.8	2.8	0.0	0.0	5.7	0.0	
I20	7/ 7	57-30	169-58	Y34859 Z49965	39	1.3	0.7	13.1	4.8	0.7	19.4	3.6	
I20	7/ 8	57-39	169-38	Y34706 Z49808	40	.0	0.7	0.7	0.0	0.0	1.4	0.0	
I21	7/13	57-40	170-18	Y34760 Z49974	39	2.2	4.8	2.4	0.0	0.0	7.3	0.0	
I21	7/14	57-30	170-35	Y34876 Z50002	41	2.7	19.5	18.0	0.0	0.0	37.5	0.0	
I22	7/13	57-40	170-54	X18455 Y34737	48	2.0	1.3	2.6	0.0	0.0	3.9	0.0	
I23	7/20	57-39	171-32	X18249 Y34688	55	4.2	2.2	1.5	0.7	0.0	4.4	0.0	
I24	7/21	57-39	172-10	X18026 Y34611	61	2.6	3.2	3.9	1.3	0.0	8.4	0.0	
I25	7/26	57-40	172-46	X17806 Y34530	66	3.4	57.2	4.5	3.9	0.0	65.5	0.0	
I26	7/26	57-44	173-24	Y34417 Z50116	81	3.5	24.5	40.5	13.3	2.0	80.2	2.5	
J03	6/30	57-58	166-31	Y33965 Z48602	34	1.7	0.0	0.7	0.0	0.0	0.7	0.0	
J05	6/21	58-01	165-14	Y33720 Z48105	27	5.0	0.0	1.5	0.0	0.0	1.5	0.0	
J07	6/18	57-58	164-00	Y33533 Z47627	25	4.0	0.0	0.6	0.0	0.0	0.6	0.0	
J10	6/13	58-00	162-07	Y33234 Z46886	21	2.2	0.6	0.0	0.0	0.0	0.6	0.0	
J11	6/13	57-58	161-29	Y33157 Z46637	30	3.9	0.0	0.7	0.0	0.0	0.7	0.0	
J12	6/13	57-59	160-51	Y33072 Z46395	26	3.8	0.0	0.6	0.0	0.0	0.6	0.0	
J12	8/ 7	57-50	161-17	Y33185 Z46564	25	.	0.0	0.7	0.0	0.0	0.7	0.0	
J13	6/11	58-01	160-12	Y32971 Z46133	27	-1.8	1.4	0.0	0.0	0.0	1.4	0.0	
J13	8/ 7	57-49	160-32	Y33078 Z46267	29	5.2	0.0	0.0	0.7	0.0	0.7	0.0	
J19	7/10	57-49	169-22	Y34556 Z49670	36	.0	5.6	1.6	0.0	0.0	7.2	0.0	
J19	7/10	57-59	169-04	Y34400 Z49519	39	.0	1.5	0.7	0.0	0.0	2.2	0.0	
J21	7/13	57-50	170-36	Y34632 Z49950	42	2.9	0.6	0.6	0.0	0.0	1.1	0.0	
J22	7/13	58-00	170-58	X18375 Y34503	49	2.1	0.0	2.7	1.3	0.0	4.0	0.0	
J23	7/21	57-59	171-36	X18197 Y34480	53	2.8	4.3	4.3	0.7	0.0	9.4	0.0	
J24	7/21	57-59	172-12	X18001 Z50030	59	2.5	8.3	8.3	0.0	0.0	16.6	0.0	
J25	7/25	58-00	172-51	X17779 Y34344	60	2.5	47.1	9.3	8.0	0.0	64.3	0.0	
J26	7/26	58-00	173-29	X17558 Y34281	66	2.7	233.4	36.7	14.3	0.7	285.1	0.2	
K23	7/21	58-19	171-39	X18135 Y34259	52	3.8	4.7	2.7	0.7	0.0	8.0	0.0	

NOTE: PRE-RECRUIT = 4.3-5.4 IN. WIDTH; LEGAL = GREATER THAN 5.4 IN. WIDTH

TABLE 6 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE BAIRDI TANNER CRAB WERE TAKEN (CONTINUED)

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					TOTAL	PERCENT LEGAL
							FEMALES	MALES (SEE NOTE)					
								SMALL	PRERECRUIT	LEGAL			
K24	7/22	58-20	172-16	X17950 Y34209	58	2.0	32.4	19.9	2.5	0.0	54.8	0.0	
K25	7/25	58-20	172-56	X17741 Y34149	60	2.5	35.7	17.1	0.8	0.0	53.5	0.0	
K26	7/25	58-20	173-34	X17531 Y34095	65	2.7	106.3	12.0	3.3	0.7	122.4	0.5	
K27	8/10	58-20	174-18	0 0	97	4.0	36.5	26.4	0.0	0.0	62.9	0.0	
L24	7/22	58-39	172-22	X17885 Y33997	57	1.9	50.7	69.0	1.3	0.0	121.0	0.0	
L25	7/25	58-40	172-59	X17700 Y33946	62	1.5	5.0	4.3	1.4	0.0	10.8	0.0	
L26	7/25	58-40	173-38	Y33902 Z49914	71	2.4	75.6	34.5	14.6	1.3	126.0	1.1	
L27	8/10	58-39	174-15	X17303 Z49940	87	3.6	17.4	18.1	3.3	0.0	38.8	0.0	
L28	8/13	58-43	174-54	X17098 Z49943	90	2.9	20.1	75.6	32.1	0.0	127.7	0.0	
L29	8/14	58-39	175-34	X16878 Z49971	76	3.2	42.5	4.1	2.1	0.0	48.7	0.0	
L30	8/19	58-40	176-13	X16660 Z49981	77	3.3	12.3	0.0	0.0	0.0	12.3	0.0	
L31	8/19	58-40	176-50	X16465 Z49987	75	3.2	2.7	1.3	0.0	0.0	4.0	0.0	
M24	7/22	58-59	172-27	Y33778 Z49749	56	.6	3.1	1.9	0.0	0.0	5.0	0.0	
M25	7/25	59-00	173-05	X17649 Y33737	58	1.4	14.5	10.5	1.3	0.0	26.3	0.0	
M26	7/25	59-00	173-43	Y33701 Z49832	66	1.3	15.2	17.3	0.0	0.0	32.5	0.0	
M29	8/14	58-59	175-44	X16845 Z49909	75	2.6	6.1	2.7	0.0	0.0	8.8	0.0	
M30	8/19	58-59	176-20	X16655 Z49924	75	3.1	3.3	2.0	0.0	0.0	5.3	0.0	
M31	8/18	58-59	176-58	X16455 Z49934	78	3.3	0.0	3.3	0.0	0.0	3.3	0.0	
M32	8/18	59-00	177-35	X16265 Z49941	76	3.2	33.4	17.4	0.0	0.0	50.8	0.0	
N24	7/22	59-18	172-30	X17774 Z49651	50	.0	0.0	0.7	0.0	0.0	0.7	0.0	
N25	7/25	59-21	173-10	X17593 Y33512	55	1.6	2.5	2.5	0.0	0.0	5.1	0.0	
N26	7/25	59-20	173-48	Y33494 Z49747	62	.6	1.0	1.0	0.0	0.0	1.9	0.0	
N29	8/14	59-19	175-45	X16853 Z49838	76	2.2	3.3	3.3	0.0	0.0	6.6	0.0	
N30	8/18	59-19	176-21	X16672 Z49856	76	2.7	0.0	1.3	0.0	0.0	1.3	0.0	
O23	7/22	59-39	171-53	X17873 Y33335	42	.0	0.0	0.7	0.0	0.0	0.7	0.0	
O25	7/24	59-30	173-29	X17495 Y33401	57	.7	1.4	1.4	0.0	0.0	2.7	0.0	
O29	8/14	59-39	175-54	X16822 Z49770	77	2.1	2.6	3.3	0.0	0.0	5.9	0.0	
P23	7/22	59-49	172-15	X17768 Y33221	41	-.5	1.3	0.0	0.0	0.0	1.3	0.0	
P29	8/15	59-59	175-56	X16817 Z49695	73	1.6	0.0	1.3	0.0	0.0	1.3	0.0	
P32	8/16	60-00	177-55	X16276 Z49763	80	2.7	0.0	0.7	0.0	0.0	0.7	0.0	
R24	7/10	60-39	172-42	X17569 Z49261	27	-.3	0.0	0.7	0.0	0.0	0.7	0.0	
R25	7/23	60-40	173-29	X17400 Y32656	36	.0	0.0	2.3	0.0	0.0	2.3	0.0	
Z05	6/25	54-41	165-08	Y34604 Z48027	45	5.9	1.3	1.9	0.0	0.0	3.2	0.0	

NOTE: PRE-RECRUIT = 4.3-5.4 IN. WIDTH; LEGAL = GREATER THAN 5.4 IN. WIDTH

TABLE 7 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE OPILIO AND HYBRID TANNER CRAB WERE TAKEN

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					TOTAL	PERCENT LARGE
							FEMALES	MALES (SEE NOTE)			TOTAL		
								SMALL	PRERECRUIT	LARGE			
A02	6/29	54-58	166-56	X18233 Z48678	89	4.4	0.0	3.1	0.0	0.6	3.7	16.7	
A03	6/25	55-00	166-18	Y34736 Z48467	80	4.7	0.0	9.5	0.0	0.0	9.5	0.0	
A04	6/21	54-59	165-45	X18313 Z48274	73	4.2	0.0	5.6	1.9	0.0	7.5	0.0	
A05	6/25	55-00	165-08	Y34562 Z48052	61	9.0	0.0	5.1	1.9	2.5	9.5	26.7	
B01	7/ 8	55-20	167-32	Y34878 Z48931	82	4.5	9.9	11.5	4.9	0.8	27.1	3.0	
B02	6/29	55-19	166-58	X18332 Z48737	79	4.4	0.0	5.2	1.5	0.0	6.7	0.0	
B03	6/29	55-20	166-21	Y34704 Z48519	75	6.9	0.7	9.9	0.7	0.0	11.3	0.0	
B04	6/21	55-19	165-47	X18397 Z48317	68	3.3	0.0	3.8	0.0	1.3	5.1	25.0	
B05	6/24	55-20	165-08	Y34514 Z48080	63	6.0	0.0	11.1	6.5	1.9	19.4	9.5	
B06	6/20	55-20	164-35	Y34425 Z47873	57	4.8	0.0	2.4	1.2	0.0	3.7	0.0	
B07	6/16	55-19	164-02	Y34342 Z47667	43	4.0	0.0	5.0	0.7	0.0	5.7	0.0	
B08	6/15	55-21	163-25	Y34241 Z47430	28	3.4	0.0	3.1	0.6	0.0	3.7	0.0	
C01	7/ 8	55-40	167-34	Y34854 Z48995	75	4.6	1.5	0.8	1.5	0.8	4.6	16.8	
C02	6/29	55-39	166-59	X18428 Z48785	75	4.7	0.0	0.0	0.7	0.0	0.7	0.0	
C03	6/29	55-39	166-22	Y34665 Z48565	70	5.4	0.0	8.8	0.7	0.7	10.3	7.1	
C05	6/24	55-41	165-09	Y34456 Z48108	61	5.0	0.0	17.1	3.1	0.0	20.2	0.0	
C06	6/20	55-40	164-35	Y34364 Z47890	54	3.1	0.0	1.8	0.6	0.6	2.9	20.0	
C07	6/16	55-38	164-00	Y34273 Z47664	53	.	0.0	22.5	6.2	0.8	29.5	2.6	
C08	6/15	55-39	163-24	Y34175 Z47431	45	2.7	0.0	3.0	0.6	0.0	3.6	0.0	
C09	6/16	55-40	162-49	Y34081 Z47208	27	.	0.0	7.0	0.0	0.0	7.0	0.0	
C18	7/15	55-40	168-11	X18357 Z49200	76	5.2	0.0	0.6	0.6	0.0	1.3	0.0	
D01	7/ 8	55-59	167-36	Y34819 Z49052	74	4.0	3.8	4.4	1.3	0.6	10.0	6.2	
D02	6/29	55-59	167-00	X18517 Z48831	75	4.1	0.0	2.1	0.0	0.7	2.8	25.1	
D03	6/29	55-59	166-24	Y34613 Z48603	70	4.5	0.0	9.9	3.5	0.0	13.5	0.0	
D04	6/21	55-59	165-45	Y34501 Z48362	61	2.6	0.0	1.2	0.0	0.6	1.8	33.5	
D05	6/24	56-00	165-11	Y34395 Z48137	54	2.4	0.0	9.4	0.0	1.6	11.0	14.3	
D06	6/20	56-00	164-34	Y34292 Z47902	53	2.1	0.0	4.9	0.6	0.0	5.5	0.0	
D07	8/ 1	55-58	163-54	Y34187 Z47638	51	.	0.0	9.4	0.0	0.7	10.0	6.6	
D07	8/ 1	55-58	163-54	Y34187 Z47636	51	.	0.7	1.4	0.7	0.7	3.5	20.0	
D07	6/17	55-59	163-59	Y34196 Z47672	50	2.0	0.0	31.3	2.6	2.6	36.5	7.1	
D07	8/ 1	56-00	163-54	X18586 Z47638	49	2.6	3.3	0.0	0.0	0.0	3.3	0.0	
D07	8/ 1	55-59	163-55	X18583 Z47640	50	.	0.8	0.8	0.0	0.0	1.5	0.0	
D08	6/16	55-59	163-23	Y34099 Z47436	50	2.3	0.0	6.0	1.8	0.6	9.2	6.7	
D09	6/15	56-00	162-48	Y33999 Z47205	43	2.8	0.0	8.1	1.9	0.0	10.0	0.0	
D10	6/15	56-00	162-15	Y33911 Z46985	39	2.7	0.0	7.1	1.8	1.2	10.1	11.8	
D10	8/ 3	55-49	162-33	Y34004 Z47106	35	.	0.0	0.0	0.7	0.7	1.3	49.7	
D10	8/ 3	56-01	162-09	Y33895 Z46947	28	.	0.0	1.3	0.0	0.0	1.3	0.0	
D10	8/ 3	56-05	162-02	Y33858 Z46897	37	.	0.0	0.7	0.0	0.0	0.7	0.0	
D10	8/ 3	55-56	162-20	Y33941 Z47021	36	.	0.0	0.6	0.0	0.0	0.6	0.0	
D10	8/ 3	56-02	162-11	Y33894 Z46955	35	4.0	0.0	4.5	0.0	0.0	4.5	0.0	
D18	7/15	56-00	168-13	X18463 Z49268	84	4.3	0.0	2.0	1.4	1.4	4.8	28.5	
E01	7/ 8	56-19	167-39	Y34777 Z49109	72	3.7	0.0	62.2	29.6	3.0	94.8	3.1	
E02	6/30	56-19	167-01	Y34660 Z48869	64	3.3	0.0	4.2	1.4	0.0	5.6	0.0	
E03	6/29	56-19	166-25	Y34548 Z48632	57	3.0	0.6	9.6	1.3	0.6	12.0	5.3	
E04	6/21	56-19	165-47	Y34431 Z48387	52	1.2	12.3	13.5	0.0	0.6	26.4	2.3	

NOTE: PRE-RECRUIT = 3.7-4.2 IN. WIDTH; LARGE = GREATER THAN 4.2 IN. WIDTH

TABLE 7 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE OPILIO AND HYBRID TANNER CRAB WERE TAKEN (CONTINUED)

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					TOTAL	PERCENT LARGE
							FEMALES	MALES (SEE NOTE)					
								SMALL	PRERECRUIT	LARGE			
E05	6/24	56-19	165-12	Y34328 Z48155	48	2.8	0.0	14.1	3.5	2.1	19.7	10.7	
E06	6/19	56-20	164-35	Y34211 Z47912	49	1.5	0.0	8.5	1.8	2.4	12.8	19.0	
E07	6/17	56-19	163-59	Y34116 Z47676	48	1.9	0.0	10.5	0.6	0.0	11.1	0.0	
E09	6/15	56-20	162-48	Y33910 Z47200	43	2.5	0.0	19.7	1.8	1.2	22.6	5.3	
E10	6/15	56-20	162-12	Y33817 Z46961	43	2.4	0.0	4.2	0.6	0.0	4.8	0.0	
E10	8/10	56-10	162-22	X18624 Z47027	39	.	0.0	2.7	2.0	0.7	5.4	12.5	
E11	8/ 4	56-10	161-54	Y33815 Z46844	37	.	0.0	0.7	0.0	0.0	0.7	0.0	
E11	8/ 4	56-16	161-42	Y33758 Z46762	35	.	0.0	0.6	0.6	0.0	1.3	0.0	
E11	6/12	56-20	161-28	Y33705 Z46672	34	3.2	0.0	0.6	1.2	0.0	1.8	0.0	
E11	8/ 4	56-26	161-37	Y33700 Z46726	35	.	0.0	0.8	0.0	0.0	0.8	0.0	
E11	8/10	56-09	161-54	X18626 Z46846	33	4.3	0.0	0.8	0.0	0.0	0.8	0.0	
E12	6/12	56-19	161-00	Y33642 Z46483	30	3.1	0.0	0.6	0.0	0.0	0.6	0.0	
E18	7/ 5	56-20	168-14	X18566 Z49328	87	4.1	1.4	10.3	76.1	8.9	96.6	9.2	
E19	7/ 7	56-21	168-51	Y34984 Z49549	71	3.4	16.9	11.5	10.8	2.3	41.5	5.5	
E22	7/14	56-20	170-41	X18269 Z50015	68	.	2.0	0.0	0.0	0.0	2.0	0.0	
F01	7/ 8	56-39	167-39	Y34711 Z49138	58	2.3	2.4	12.5	13.3	3.1	31.3	10.0	
F02	6/30	56-39	167-04	Y34591 Z48903	54	2.5	0.7	6.3	4.9	0.0	11.9	0.0	
F03	6/29	56-39	166-26	Y34467 Z48651	47	1.7	1.3	15.7	4.4	1.9	23.2	8.1	
F04	6/22	56-41	165-51	Y34348 Z48421	44	.	0.0	6.0	0.6	1.2	7.7	15.4	
F05	6/24	56-37	165-13	Y34247 Z48165	44	.6	0.7	14.8	0.7	0.7	16.9	4.1	
F06	6/19	56-40	164-35	Y34120 Z47919	43	.4	0.6	8.0	0.0	0.6	9.3	6.6	
F07	6/17	56-39	164-00	Y34022 Z47677	42	.4	0.0	22.7	0.0	0.6	23.3	2.8	
F08	6/16	56-39	163-23	Y33919 Z47432	43	1.2	0.6	11.7	0.6	0.0	12.9	0.0	
F09	6/15	56-41	162-47	Y33809 Z47188	40	1.4	0.6	38.3	0.6	0.0	39.5	0.0	
F10	6/14	56-40	162-12	Y33722 Z46957	41	1.1	0.0	5.5	0.6	0.6	6.7	9.1	
F10	8/10	56-30	162-31	Y33821 Z47089	41	2.8	0.0	3.6	0.0	0.0	3.6	0.0	
F11	8/ 4	56-34	161-24	Y33631 Z46641	40	.	0.0	1.3	0.0	0.6	1.9	33.3	
F11	8/ 4	56-34	161-23	Y33628 Z46634	40	.	0.0	4.0	0.7	0.7	5.3	12.6	
F11	8/ 4	56-42	161-18	Y33574 Z46596	40	.	0.0	2.0	2.7	0.0	4.7	0.0	
F11	6/12	56-38	161-35	Y33633 Z46707	49	1.6	0.0	19.4	1.3	3.3	24.1	13.9	
F11	8/ 4	56-34	161-27	Y33632 Z46655	37	4.5	0.0	0.8	0.0	0.0	0.8	0.0	
F11	8/ 4	56-34	161-25	Y33630 Z46644	37	.	0.0	0.0	0.7	0.0	0.7	0.0	
F11	8/ 4	56-43	161-21	Y33577 Z46614	35	.	0.0	0.8	0.0	0.0	0.8	0.0	
F11	8/ 4	56-42	161-19	Y33574 Z46603	38	4.5	0.0	2.7	0.9	0.0	3.5	0.0	
F11	8/ 8	56-30	161-45	Y33702 Z46779	52	.	0.0	3.2	1.9	0.6	5.7	11.2	
F13	6/12	56-40	160-21	Y33443 Z46211	32	3.0	0.0	2.0	0.0	0.0	2.0	0.0	
F18	7/ 5	56-40	168-17	Y34832 Z49383	60	2.6	157.5	16.0	4.0	0.7	178.3	0.4	
F19	7/30	56-34	168-50	Y34956 Z49580	61	.	277.7	19.9	10.3	0.6	308.6	0.2	
F19	7/30	56-33	168-50	Y34957 Z49577	61	.	17.9	2.0	0.0	0.0	19.9	0.0	
F19	7/30	56-35	168-46	Y34940 Z49561	61	.	445.0	20.6	5.3	1.3	472.2	0.3	
F19	7/30	56-35	168-46	Y34938 Z49557	61	.	7.4	0.0	0.0	0.0	7.4	0.0	
F19	7/ 7	56-40	168-54	Y34949 Z49617	57	1.7	494.8	82.2	50.6	3.8	631.4	0.6	
F19	7/30	56-36	168-50	X18623 Z49581	59	.	37.0	2.2	0.7	0.0	40.0	0.0	
F19	7/30	56-35	168-49	X18620 Z49577	59	.	24.8	2.4	0.8	0.0	27.9	0.0	
F19	7/30	56-38	168-46	X18634 Z49563	59	.	34.8	2.5	0.0	0.0	37.3	0.0	

NOTE: PRE-RECRUIT = 3.7-4.2 IN. WIDTH; LARGE = GREATER THAN 4.2 IN. WIDTH

TABLE 7 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE OPILIO AND HYBRID TANNER CRAB WERE TAKEN (CONTINUED)

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					PERCENT LARGE
							FEMALES	MALES (SEE NOTE)			TOTAL	
								SMALL	PRERECRUIT	LARGE		
F19	7/30	56-37	168-45	X18632 Z49556	60	.	36.4	0.0	0.9	1.7	39.0	4.5
F21	7/15	56-40	170-06	X18548 Z50001	53	3.7	8.4	8.4	3.5	0.0	20.4	0.0
F22	7/14	56-40	170-44	X18402 Y35127	64	.	39.7	7.0	9.1	1.4	57.2	2.4
F23	7/20	56-40	171-20	X18197 Z50146	62	3.9	249.7	23.5	14.4	0.6	288.2	0.2
G01	7/ 3	57-00	167-41	Y34617 Z49159	43	1.1	1.3	45.0	21.5	3.9	71.8	5.5
G02	6/30	56-59	167-05	Y34497 Z48915	42	1.2	0.0	12.8	2.7	3.4	18.9	17.9
G03	6/30	56-59	166-27	Y34372 Z48664	41	.7	3.3	33.6	41.4	77.0	155.3	49.6
G04	6/22	56-59	165-50	Y34248 Z48413	41	.	3.0	6.1	3.0	23.1	35.3	65.5
G05	6/22	56-58	165-11	Y34133 Z48153	39	.5	14.2	41.8	7.8	7.1	70.9	10.0
G06	6/19	57-00	164-35	Y34014 Z47911	40	.0	0.0	6.8	0.0	4.3	11.1	38.9
G07	6/17	56-59	164-00	Y33918 Z47673	38	.0	0.0	40.1	3.4	5.4	48.9	11.1
G08	6/16	56-59	163-22	Y33813 Z47425	38	.3	0.0	7.9	0.0	0.6	8.5	7.2
G09	6/15	57-01	162-47	Y33703 Z47183	33	1.8	0.7	64.1	0.0	0.7	65.5	1.1
G10	6/14	57-00	162-10	Y33615 Z46938	35	1.4	0.0	8.6	0.0	0.6	9.2	6.7
G10	8/ 9	57-00	161-00	X11464 Y31737	31	2.3	0.0	1.3	1.3	0.7	3.3	19.9
G11	6/12	56-58	161-34	Y33529 Z46693	37	1.8	0.0	12.3	4.1	1.4	17.8	7.7
G11	8/ 8	56-48	161-50	Y33621 Z46804	36	2.5	0.0	2.2	0.0	0.0	2.2	0.0
G12	8/ 4	56-46	161-13	Y33542 Z46563	38	.	0.0	0.6	0.0	0.0	0.6	0.0
G12	8/ 4	56-46	161-12	Y33540 Z46558	40	.	0.0	0.7	0.0	0.7	1.4	50.0
G12	8/ 4	56-47	161-15	Y33542 Z46576	35	.	0.0	0.0	1.7	0.0	1.7	0.0
G12	8/ 4	56-47	161-14	Y33541 Z46568	38	.	0.0	0.0	0.0	1.7	1.7	100.0
G12	8/ 5	56-49	161-16	Y33531 Z46578	39	4.0	0.0	4.5	1.5	1.5	7.5	20.0
G13	8/ 5	56-49	160-36	Y33434 Z46311	36	.	0.0	1.5	0.0	0.0	1.5	0.0
G14	8/ 5	56-50	159-59	Y33348 Z46064	30	.	0.0	0.6	0.0	0.0	0.6	0.0
G18	7/ 4	57-00	168-18	Y34748 Z49407	46	2.6	2.6	42.4	15.4	0.0	60.4	0.0
G18	7/ 4	56-50	168-36	Y34857 Z49516	55	2.6	239.8	32.4	14.7	1.3	288.2	0.5
G19	7/ 7	56-48	169-18	Y35007 Z49787	45	2.0	5.0	31.9	17.7	0.7	55.3	1.3
G19	7/ 7	56-59	168-58	Y34894 Z49667	43	1.4	3.9	56.4	30.5	0.0	90.8	0.0
G20	7/ 7	56-48	169-52	X18642 Z49980	42	3.4	0.0	0.7	0.7	0.0	1.3	0.0
G20	7/ 7	56-59	169-34	X18713 Z49907	35	1.4	2.8	26.5	37.6	29.3	96.2	30.4
G21	7/14	56-58	170-09	X18680 Z50102	40	2.6	1.9	21.2	10.3	5.8	39.2	14.8
G21	7/14	56-49	170-28	X18539 Z50117	56	6.7	37.9	20.6	1.9	0.6	61.0	1.1
G22	7/14	56-59	170-46	X18511 Y35094	54	2.9	1.3	24.7	26.7	3.3	56.2	6.0
G23	7/20	56-59	171-23	X18269 Y35004	60	3.8	666.8	33.4	6.4	2.6	709.2	0.4
G24	7/21	56-59	172-01	X18024 Z50183	66	3.1	334.7	7.9	6.9	0.0	349.6	0.0
G25	7/26	57-00	172-39	X17783 Y34810	67	3.5	0.0	0.0	1.3	0.0	1.3	0.0
G26	7/26	57-00	173-15	Y34725 Z50190	81	3.6	3.3	0.0	0.0	0.0	3.3	0.0
H01	7/ 3	57-21	167-43	Y34496 Z49159	40	1.0	0.0	88.6	24.0	2.4	115.0	2.1
H02	6/30	57-19	167-07	Y34384 Z48913	40	1.2	1.4	10.2	19.0	21.8	52.3	41.6
H03	6/30	57-19	166-28	Y34253 Z48656	38	1.8	3.9	60.5	78.3	100.0	242.8	41.2
H04	6/22	57-20	165-52	Y34129 Z48411	39	.	0.6	9.3	45.5	73.5	129.0	57.0
H05	6/22	57-18	165-13	Y34020 Z48154	37	.9	12.3	37.7	16.9	152.2	219.0	69.5
H06	6/19	57-20	164-38	Y33904 Z47921	37	1.5	0.6	13.3	3.5	9.8	27.2	36.2
H07	6/17	57-19	164-00	Y33801 Z47662	33	1.8	2.2	67.7	2.2	0.7	72.8	1.0
H08	6/16	57-19	163-23	Y33698 Z47416	30	1.8	1.8	7.2	0.0	0.0	9.0	0.0

NOTE: PRE-RECRUIT = 3.7-4.2 IN. WIDTH; LARGE = GREATER THAN 4.2 IN. WIDTH



TABLE 7 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE OPILIO AND HYBRID TANNER CRAB WERE TAKEN (CONTINUED)

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					TOTAL	PERCENT LARGE
							FEMALES	MALES (SEE NOTE)			TOTAL		
								SMALL	PRERECRUIT	LARGE			
H09	6/15	57-20	162-47	Y33592 Z47174	27	3.6	0.0	6.9	0.0	0.0	6.9	0.0	
H10	6/14	57-20	162-09	Y33499 Z46925	27	2.7	0.0	2.4	0.6	0.0	3.0	0.0	
H10	8/ 9	57-00	161-00	X11561 Y31799	31	2.5	0.0	3.3	0.0	0.0	3.3	0.0	
H11	6/13	57-19	161-32	Y33409 Z46673	31	2.0	0.0	6.0	0.0	0.0	6.0	0.0	
H11	8/ 8	57-08	161-48	Y33509 Z46787	27	.	0.0	2.0	0.0	0.7	2.7	25.0	
H12	6/12	57-19	160-56	Y33326 Z46436	34	1.7	0.0	0.0	0.0	0.6	0.6	100.0	
H12	8/ 6	57-10	161-14	Y33417 Z46560	37	4.2	0.0	3.0	3.0	0.0	6.0	0.0	
H13	6/11	57-20	160-18	Y33229 Z46177	32	3.7	0.0	0.6	0.0	0.0	0.6	0.0	
H18	7/ 4	57-20	168-21	Y34635 Z49406	42	1.4	18.3	28.7	6.5	0.0	53.5	0.0	
H18	7/ 4	57-10	168-36	Y34755 Z49522	44	1.5	2.0	23.7	9.2	1.3	36.2	3.6	
H19	7/ 9	57-10	169-19	X18744 Z49807	40	1.2	1.3	32.0	11.3	1.3	45.8	2.7	
H19	7/ 9	57-18	169-01	Y34792 Z49676	40	.7	7.0	53.7	12.5	0.7	73.9	0.9	
H20	7/ 7	57-09	169-53	X18747 Z50038	27	4.5	0.0	0.0	0.6	0.0	0.6	0.0	
H20	7/ 7	57-19	169-37	Y34910 Z49901	36	1.0	6.6	41.4	19.1	0.0	67.1	0.0	
H21	7/14	57-20	170-15	X18700 Y35002	30	5.4	7.1	3.2	0.0	0.0	10.3	0.0	
H21	7/14	57-07	170-28	X18659 Y35111	26	5.2	0.0	3.4	0.0	0.0	3.4	0.0	
H22	7/13	57-20	170-52	X18510 Y34947	47	2.9	1124.3	110.7	16.4	0.0	1251.4	0.0	
H23	7/20	57-19	171-27	X18287 Y34874	56	2.3	480.6	37.3	15.4	0.6	533.9	0.1	
H24	7/21	57-19	172-06	X18039 Y34773	61	3.0	2050.1	45.1	9.3	0.7	2105.1	0.0	
H25	7/26	57-20	172-42	X17807 Y34681	65	3.3	0.0	3.2	4.4	0.0	7.6	0.0	
I01	7/ 3	57-41	167-45	Y34349 Z49124	37	1.2	16.0	261.4	323.6	48.8	649.9	7.5	
I02	6/30	57-39	167-08	Y34241 Z48887	38	1.1	2.1	53.9	116.8	40.8	213.5	19.1	
I03	6/30	57-38	166-30	Y34121 Z48636	37	1.8	0.7	83.6	175.6	127.5	387.5	32.9	
I04	6/23	57-39	165-51	Y33994 Z48384	37	1.9	0.0	20.0	15.3	30.5	65.8	46.4	
I05	6/21	57-40	165-14	Y33873 Z48135	34	2.1	85.6	168.5	5.3	2.0	261.4	0.8	
I06	6/19	57-40	164-37	Y33769 Z47895	30	1.7	0.0	21.9	1.2	0.0	23.1	0.0	
I07	6/18	57-39	164-00	Y33666 Z47645	27	2.4	5.3	16.7	0.0	0.0	22.1	0.0	
I08	6/17	57-39	163-22	Y33568 Z47397	27	3.1	0.0	0.6	0.6	0.0	1.2	0.0	
I11	6/13	57-39	161-30	Y33284 Z46651	29	4.1	0.0	1.3	0.0	0.0	1.3	0.0	
I13	6/11	57-41	160-15	Y33104 Z46158	29	3.7	0.0	0.8	0.0	0.0	0.8	0.0	
I18	7/ 3	57-41	168-22	Y34469 Z49358	40	.5	3.3	32.8	9.4	3.3	48.8	6.9	
I18	7/ 4	57-30	168-38	Y34616 Z49491	40	1.7	5.4	33.3	2.7	0.7	42.1	1.6	
I19	7/ 9	57-29	169-12	Y34739 Z49711	38	.0	11.9	33.7	6.3	1.4	53.4	2.6	
I19	7/ 9	57-41	169-01	Y34591 Z49596	37	.4	14.2	120.5	137.5	72.3	344.5	21.0	
I20	7/ 7	57-30	169-58	Y34859 Z49965	39	1.3	284.5	188.0	26.9	0.0	499.4	0.0	
I20	7/ 8	57-39	169-38	Y34706 Z49808	40	.0	31.8	162.4	150.6	71.9	416.7	17.2	
I21	7/13	57-40	170-18	Y34760 Z49974	39	2.2	1.6	38.7	11.3	4.0	55.6	7.2	
I21	7/14	57-30	170-35	Y34876 Z50002	41	2.7	169.3	76.5	27.4	2.9	276.1	1.0	
I22	7/13	57-40	170-54	X18455 Y34737	48	2.0	147.2	56.1	16.4	2.0	221.7	0.9	
I23	7/20	57-39	171-32	X18249 Y34688	55	4.2	298.1	38.9	15.4	0.0	352.4	0.0	
I24	7/21	57-39	172-10	X18026 Y34611	61	2.6	652.7	31.7	16.8	1.3	702.6	0.2	
I25	7/26	57-40	172-46	X17806 Y34530	66	3.4	1.3	14.8	25.1	3.2	44.3	7.3	
J01	7/ 2	58-00	167-48	Y34179 Z49077	37	.5	14.4	98.0	59.6	17.8	189.8	9.4	
J02	7/ 1	57-59	167-09	Y34079 Z48845	36	.7	5.3	56.4	32.5	29.8	124.0	24.1	
J03	6/30	57-58	166-31	Y33965 Z48602	34	1.7	8.0	56.2	14.0	10.0	88.3	11.4	

NOTE: PRE-RECRUIT = 3.7-4.2 IN. WIDTH; LARGE = GREATER THAN 4.2 IN. WIDTH

TABLE 7 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE OPILIO AND HYBRID TANNER CRAB WERE TAKEN (CONTINUED)

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					TOTAL	PERCENT LARGE
							FEMALES	MALES (SEE NOTE)					
								SMALL	PRERECRUIT	LARGE			
J04	6/23	57-59	165-53	Y33851 Z48363	32	2.3	47.7	126.3	1.2	0.0	175.3	0.0	
J05	6/21	58-01	165-14	Y33720 Z48105	27	5.0	7.3	41.9	0.0	0.0	49.2	0.0	
J06	6/18	58-00	164-37	Y33621 Z47866	25	4.0	0.0	4.8	0.0	0.0	4.8	0.0	
J07	6/18	57-58	164-00	Y33533 Z47627	25	4.0	4.8	9.0	0.0	0.0	13.8	0.0	
J18	7/ 3	58-00	168-25	Y34289 Z49297	40	.3	7.5	52.1	30.8	15.8	106.2	14.8	
J18	7/ 3	57-50	168-40	Y34436 Z49428	40	.0	9.4	59.3	37.7	12.1	118.6	10.2	
J19	7/10	57-49	169-22	Y34556 Z49670	36	.0	10.4	148.5	59.1	19.2	237.1	8.1	
J19	7/10	57-59	169-04	Y34400 Z49519	39	.0	3.0	116.6	73.3	32.1	225.0	14.3	
J20	7/ 8	57-49	170-00	X18622 Z49847	41	1.2	2.8	54.8	90.7	38.7	187.0	20.7	
J20	7/ 8	57-59	169-41	Y34475 Z49698	40	.0	0.7	53.3	59.2	28.3	141.4	20.0	
J21	7/13	58-00	170-20	Y34506 Z49840	42	.7	2.5	44.5	59.4	23.5	129.9	18.1	
J21	7/13	57-50	170-36	Y34632 Z49950	42	2.9	5.1	14.9	1.7	2.3	24.0	9.5	
J22	7/13	58-00	170-58	X18375 Y34503	49	2.1	20.1	82.9	18.7	0.7	122.4	0.5	
J23	7/21	57-59	171-36	X18197 Y34480	53	2.8	452.3	59.2	12.3	1.4	525.2	0.3	
J24	7/21	57-59	172-12	X18001 Z50030	59	2.5	65.3	24.2	7.6	1.3	98.4	1.3	
J25	7/25	58-00	172-51	X17779 Y34344	60	2.5	26.5	27.9	46.4	9.3	110.1	8.4	
J26	7/26	58-00	173-29	X17558 Y34281	66	2.7	71.0	7.5	6.8	1.4	86.7	1.6	
K01	7/ 2	58-20	167-49	Y33986 Z48008	32	1.0	0.6	82.9	1.3	0.0	84.7	0.0	
K02	7/ 1	58-19	167-10	Y33895 Z48787	30	2.3	0.0	15.4	0.0	0.0	15.4	0.0	
K03	7/ 1	58-18	166-33	Y34796 Z48563	25	3.0	1.9	15.6	0.0	0.0	17.4	0.0	
K04	6/23	58-19	165-55	Y33687 Z48331	25	3.2	0.0	0.6	0.0	0.0	0.6	0.0	
K05	6/21	58-21	165-17	Y33567 Z48084	24	3.0	1.4	2.8	0.0	0.0	4.2	0.0	
K07	6/18	58-19	164-00	Y33378 Z47600	22	3.3	0.0	0.6	0.0	0.0	0.6	0.0	
K18	7/ 3	58-20	168-27	Y34081 Z49216	37	.7	21.2	159.8	10.0	1.3	192.3	0.7	
K19	7/10	58-19	169-07	Y34181 Z49425	37	.4	4.8	31.1	11.1	4.8	51.8	9.3	
K20	7/ 8	58-20	169-42	X18548 Z49579	39	.2	0.7	50.1	40.1	19.4	110.3	17.6	
K21	7/13	58-20	170-22	Y34264 Z49717	42	-.4	0.6	67.5	115.6	57.8	241.6	23.9	
K22	7/13	58-20	171-01	X18299 Y34266	48	.9	0.0	15.8	17.7	5.1	38.6	13.1	
K23	7/21	58-19	171-39	X18135 Y34259	52	3.8	74.9	18.1	6.7	0.0	99.6	0.0	
K24	7/22	58-20	172-16	X17950 Y34209	58	2.0	33.2	53.9	16.3	1.5	105.0	1.4	
K25	7/25	58-20	172-56	X17741 Y34149	60	2.5	37.2	20.9	10.1	0.8	69.0	1.1	
K26	7/25	58-20	173-34	X17531 Y34095	65	2.7	6.0	225.0	38.9	0.0	269.9	0.0	
L02	7/ 1	58-39	167-12	Y33703 Z48726	25	3.2	0.0	0.6	0.0	0.0	0.6	0.0	
L03	7/ 1	58-39	166-33	Y33605 Z48502	22	3.5	0.0	0.6	0.0	0.0	0.6	0.0	
L18	7/ 3	58-40	168-30	Y33867 Z49133	30	2.3	2.0	26.7	0.0	0.0	28.9	0.0	
L19	7/10	58-39	169-09	Y33951 Z49322	35	.4	0.0	31.5	1.1	1.7	34.2	4.8	
L20	7/ 8	58-40	169-46	Y33996 Z49470	38	.3	0.7	76.2	46.1	9.4	132.4	7.1	
L21	7/13	58-39	170-25	Y34031 Z49605	41	.0	0.0	179.1	75.6	23.9	278.5	8.6	
L22	7/13	58-40	171-05	X18220 Y34031	47	-.7	3.8	131.3	70.1	10.2	215.5	4.7	
L23	7/21	58-39	171-43	X18068 Y34031	52	.5	4.4	59.8	87.2	21.2	172.6	12.3	
L24	7/22	58-39	172-22	X17885 Y33997	57	1.9	61.2	88.0	8.6	0.7	158.4	0.4	
L25	7/25	58-40	172-59	X17700 Y33946	62	1.5	115.4	17.3	9.4	0.0	142.1	0.0	
L26	7/25	58-40	173-38	Y33902 Z49914	71	2.4	53.1	15.9	23.9	10.6	103.5	10.3	
L27	8/10	58-39	174-15	X17303 Z49940	87	3.6	1.3	74.2	102.3	44.1	222.0	19.9	
L28	8/13	58-43	174-54	X17098 Z49943	90	2.9	0.7	0.0	0.0	0.0	0.7	0.0	

NOTE: PRE-RECRUIT = 3.7-4.2 IN. WIDTH; LARGE = GREATER THAN 4.2 IN. WIDTH

TABLE 7 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE OPILIO AND HYBRID TANNER CRAB WERE TAKEN (CONTINUED)

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					PERCENT LARGE
							FEMALES	MALES (SEE NOTE)			TOTAL	
								SMALL	PRERECRUIT	LARGE		
L29	8/14	58-39	175-34	X16878 Z49971	76	3.2	7.5	1.4	0.7	0.0	9.6	0.0
L30	8/19	58-40	176-13	X16660 Z49981	77	3.3	1.4	2.1	0.7	0.0	4.1	0.0
L31	8/19	58-40	176-50	X16465 Z49987	75	3.2	1.3	2.0	0.0	0.0	3.4	0.0
M18	7/ 2	59-00	168-32	Y33636 Z49039	26	2.8	2.0	2.7	0.0	0.0	4.6	0.0
M19	7/10	58-59	169-11	Y33709 Z49213	29	1.9	0.0	3.6	0.0	0.0	3.6	0.0
M20	7/ 9	59-00	169-49	Y33754 Z49362	36	.5	0.0	27.2	11.9	2.7	41.8	6.4
M21	7/12	59-00	170-29	Y33778 Z49488	40	-1.1	1.5	422.5	86.8	3.8	514.5	0.7
M22	7/12	59-00	171-08	X18145 Y33786	44	-1.0	10.6	384.7	106.1	26.5	527.9	5.0
M23	7/21	58-59	171-48	X17993 Y33798	48	-.4	13.8	148.1	86.6	17.6	266.2	6.6
M24	7/22	58-59	172-27	Y33778 Z49749	56	.6	21.8	24.9	6.2	1.3	54.2	2.3
M25	7/25	59-00	173-05	X17649 Y33737	58	1.4	66.4	42.8	9.9	2.6	121.7	2.2
M26	7/25	59-00	173-43	Y33701 Z49832	66	1.3	26.3	26.3	31.8	9.0	93.3	9.6
M27	8/10	58-59	174-21	X17271 Z49866	72	2.4	594.3	13.4	8.0	4.0	619.7	0.6
M28	8/13	59-00	175-00	X17071 Z49884	72	2.6	30.8	28.1	0.7	0.0	59.5	0.0
M29	8/14	58-59	175-44	X16845 Z49909	75	2.6	0.7	0.7	0.7	0.0	2.0	0.0
M30	8/19	58-59	176-20	X16655 Z49924	75	3.1	61.7	43.8	0.0	0.0	105.5	0.0
M31	8/18	58-59	176-58	X16455 Z49934	78	3.3	11.2	2.6	1.3	0.0	15.8	0.0
M32	8/18	59-00	177-35	X16265 Z49941	76	3.2	35.4	1.3	2.0	2.7	41.5	6.4
N01	7/ 2	59-19	167-56	Y33355 Z48778	21	3.0	0.0	0.6	0.0	0.0	0.6	0.0
N18	7/ 2	59-20	168-34	Y33404 Z48945	25	1.6	1.3	4.7	0.0	0.0	6.0	0.0
N19	7/11	59-19	169-14	Y33475 Z49117	27	1.5	0.0	3.3	0.0	0.0	3.3	0.0
N20	7/ 9	59-19	169-53	X18312 Z49260	35	.7	0.0	64.9	6.0	2.0	72.9	2.8
N21	7/12	59-20	170-32	Y33534 Z49379	37	-.4	1.3	175.1	10.6	2.7	189.7	1.4
N22	7/12	59-20	171-11	X18075 Z49485	43	-1.1	20.4	240.6	12.2	4.1	277.3	1.5
N23	7/21	59-19	171-50	X17937 Y33570	44	-1.2	54.4	147.5	24.5	3.4	229.7	1.5
N24	7/22	59-18	172-30	X17774 Z49651	50	.0	18.1	26.7	36.1	16.7	97.6	17.1
N25	7/25	59-21	173-10	X17593 Y33512	55	1.6	19.1	31.2	8.3	0.6	59.3	1.1
N26	7/25	59-20	173-48	Y33494 Z49747	62	.6	1576.8	26.8	9.6	2.9	1616.0	0.2
N27	8/11	59-19	174-27	X17236 Z49787	68	2.1	469.1	44.9	12.9	4.8	531.6	0.9
N28	8/13	59-20	175-05	X17049 Z49810	75	3.4	293.7	20.1	6.7	1.3	321.8	0.4
N29	8/14	59-19	175-45	X16853 Z49838	76	2.2	2.0	4.6	5.3	2.7	14.6	18.2
N30	8/18	59-19	176-21	X16672 Z49856	76	2.7	122.6	56.5	1.3	0.0	180.5	0.0
N31	8/18	59-19	177-03	X16463 Z49874	85	3.3	9.4	1.3	0.7	0.0	11.4	0.0
O19	7/11	59-39	169-16	Y33234 Z49016	25	.6	1.4	11.2	0.0	0.0	12.5	0.0
O20	7/ 9	59-39	169-55	X18242 Z49155	32	.4	1.3	141.4	10.5	0.7	154.6	0.4
O21	7/12	59-40	170-35	Y33298 Z49275	36	-1.1	4.2	125.1	1.8	0.0	131.1	0.0
O22	7/12	59-40	171-15	X18005 Y33313	41	-.7	274.1	365.1	13.2	0.0	652.4	0.0
O23	7/22	59-39	171-53	X17873 Y33335	42	.0	242.3	186.1	14.6	0.7	443.7	0.2
O24	7/22	59-29	172-48	X17679 Y33436	53	-1.2	3.4	10.1	8.1	5.4	27.0	20.0
O24	7/23	59-39	172-34	X17713 Y33323	48	-1.1	25.4	51.5	18.7	10.0	105.6	9.5
O25	7/24	59-40	173-13	X17551 Y33301	52	-.5	21.4	17.5	7.1	3.9	49.9	7.8
O25	7/24	59-30	173-29	X17495 Y33401	57	.7	59.1	27.2	4.1	1.4	91.8	1.5
O26	7/25	59-40	173-52	X17384 Y33293	59	.2	59.7	46.4	15.9	5.3	127.3	4.2
O27	8/11	59-39	174-27	X17226 Z49701	65	1.9	18.9	57.3	43.8	4.0	124.0	3.3
O28	8/13	59-40	175-10	X17028 Z49733	72	1.8	408.2	50.8	13.4	1.3	473.8	0.3

NOTE: PRE-RECRUIT = 3.7-4.2 IN. WIDTH; LARGE = GREATER THAN 4.2 IN. WIDTH



TABLE 7 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE OPILID AND HYBRID TANNER CRAB WERE TAKEN (CONTINUED)

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					PERCENT LARGE
							FEMALES	MALES (SEE NOTE)			TOTAL	
								SMALL	PRERECRUIT	LARGE		
Q29	8/14	59-39	175-54	X16822 Z49770	77	2.1	0.0	5.9	5.9	3.3	15.1	21.7
Q30	8/17	59-40	176-33	X16633 Z49791	76	2.5	27.4	13.4	2.7	1.3	44.8	3.0
Q31	8/17	59-40	177-08	X16468 Z49807	94	3.2	3.3	2.0	0.7	0.0	6.0	0.0
P19	7/11	59-59	169-19	Y32997 Z48923	25	.4	0.0	15.4	0.0	0.0	15.4	0.0
P20	7/ 9	59-59	169-57	X18176 Z49054	31	-1.4	0.7	142.3	3.6	0.0	146.6	0.0
P21	7/12	60-00	170-37	Y33049 Z49168	36	-1.0	3.7	239.2	3.1	0.0	246.1	0.0
P22	7/12	60-00	171-17	X17944 Y33076	40	-1.0	222.8	875.9	6.7	0.0	1105.3	0.0
P23	7/22	59-49	172-15	X17768 Y33221	41	-.5	749.1	841.8	8.9	0.0	1599.8	0.0
P23	7/22	59-59	171-59	X17804 Y33101	36	-.7	73.7	211.0	0.7	0.0	285.3	0.0
P24	7/23	59-49	172-54	Y33212 Z49532	46	-1.6	6.0	54.4	9.3	0.0	69.6	0.0
P24	7/23	59-58	172-39	X17657 Z49460	37	-1.6	1290.1	2668.2	2.8	0.0	3961.2	0.0
P25	7/24	60-00	173-17	X17503 Y33082	41	-.9	290.5	124.4	0.7	0.0	415.5	0.0
P25	7/24	59-50	173-34	X17449 Y33191	52	.0	22.9	27.9	10.0	1.4	62.2	2.3
P26	7/24	60-00	174-00	Y33077 Z49574	55	-1.5	9.2	34.9	9.2	2.0	55.3	3.6
P26	7/24	59-50	174-14	X17278 Y33178	60	-1.5	0.7	18.6	35.1	9.3	63.7	14.6
P27	8/11	59-59	174-36	X17176 Z49621	61	1.0	1.3	21.4	17.4	6.0	46.1	13.0
P28	8/12	60-00	175-16	X16998 Z49658	65	1.0	180.5	28.8	6.7	2.0	218.0	0.9
P29	8/15	59-59	175-56	X16817 Z49695	73	1.6	795.6	19.4	6.7	4.0	825.7	0.5
P30	8/17	60-00	176-40	X16621 Z49723	79	2.6	6.7	6.0	3.3	1.3	17.4	7.7
P31	8/17	60-00	177-12	X16472 Z49740	77	2.7	21.1	8.6	0.7	0.0	30.3	0.0
P32	8/16	60-00	177-55	X16276 Z49763	80	2.7	5.3	6.7	0.7	0.7	13.4	5.0
Q18	7/ 2	60-19	168-40	Y32704 Z48677	21	1.8	0.7	0.7	0.0	0.0	1.3	0.0
Q19	7/11	60-19	169-20	Y32748 Z48823	24	. .	0.6	3.1	0.0	0.0	3.7	0.0
Q20	7/ 9	60-19	170-00	X18106 Z48958	30	-1.4	6.9	185.2	0.0	0.0	192.1	0.0
Q21	7/12	60-18	170-38	Y32840 Z49078	34	.5	5.8	427.2	0.0	3.2	436.2	0.7
Q22	7/12	60-19	171-22	X17878 Y32853	38	-1.3	209.9	496.2	2.8	0.0	708.9	0.0
Q23	7/22	60-09	172-17	X17718 Y32988	31	1.0	2.6	14.8	0.6	0.0	18.0	0.0
Q23	7/22	60-19	172-05	X17738 Y32870	32	-.5	0.6	5.2	0.0	0.0	5.8	0.0
Q24	7/23	60-10	172-59	X17561 Z49437	33	-1.0	3.3	6.7	0.0	0.0	10.0	0.0
Q25	7/24	60-21	173-23	X17451 Y32861	33	.0	3.5	16.7	0.7	0.0	20.9	0.0
Q25	7/24	60-09	173-36	X17417 Y32988	42	-1.0	158.8	78.7	0.0	0.0	237.4	0.0
Q26	7/24	60-20	174-06	Y32871 Z49492	52	-1.3	465.6	456.9	5.8	1.9	930.3	0.2
Q26	7/24	60-09	174-22	Y32973 Z49562	57	-1.0	2.6	36.8	13.8	3.3	56.6	5.8
Q27	8/11	60-19	174-43	X17133 Z49541	58	.0	3.2	7.7	4.5	7.1	22.5	31.4
Q28	8/12	60-20	175-23	X16963 Z49578	63	.7	0.0	19.4	22.1	10.0	51.5	19.5
Q29	8/15	60-19	176-02	X16797 Z49620	68	2.0	683.3	5.9	2.0	2.6	693.9	0.4
Q30	8/15	60-21	176-42	X16626 Z49645	77	2.2	430.0	10.1	6.7	1.3	448.2	0.3
Q31	8/16	60-20	177-22	X16449 Z49674	84	2.5	8.6	7.9	6.6	8.6	31.6	27.1
R22	7/10	60-39	171-24	X17821 Z49093	36	-1.2	477.4	767.3	0.0	0.0	1244.7	0.0
R23	7/10	60-39	172-06	X17689 Z49186	35	-1.4	604.9	856.8	0.0	0.0	1461.8	0.0
R24	7/10	60-39	172-42	X17569 Z49261	27	-.3	13.4	51.5	0.0	0.0	64.9	0.0
R25	7/23	60-40	173-29	X17400 Y32656	36	.0	101.7	135.7	0.6	0.0	238.1	0.0
R26	7/23	60-40	174-07	X17257 Y32652	48	-.7	1658.3	413.4	8.4	0.0	2080.1	0.0
R27	8/11	60-39	174-48	X17099 Z49459	55	-1.1	230.3	80.3	11.8	8.6	330.9	2.6
R28	8/12	60-40	175-27	X16943 Z49497	62	.5	2.7	61.5	68.2	17.4	149.8	11.6

NOTE: PRE-RECRUIT = 3.7-4.2 IN. WIDTH; LARGE = GREATER THAN 4.2 IN. WIDTH

TABLE 7 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE OPILIO AND HYBRID TANNER CRAB WERE TAKEN (CONTINUED)

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					TOTAL	PERCENT LARGE
							FEMALES	MALES (SEE NOTE)			TOTAL		
								SMALL	PRERECRUIT	LARGE			
R29	8/15	60-39	176-12	X16760 Z49548	67	2.4	49.5	31.4	19.4	4.0	104.3	3.8	
R30	8/15	60-39	176-47	X16615 Z49578	72	2.1	4.0	17.4	20.7	1.3	43.5	3.1	
R31	8/16	60-39	177-32	X16428 Z49613	82	3.3	2.0	4.6	15.1	6.6	28.3	23.3	
R32	8/16	60-40	178-10	X16269 Z49634	91	2.9	17.2	17.9	34.5	66.3	136.0	48.8	
S22	7/11	61-00	171-26	X17764 Y32365	36	- .9	744.3	460.7	0.0	0.0	1205.0	0.0	
S23	7/11	60-59	172-10	X17634 Y32404	36	-1.0	2211.8	3135.0	0.0	0.0	5346.7	0.0	
S24	7/11	60-59	172-48	X17511 Z49178	38	-1.2	1679.8	3762.2	0.0	0.0	5441.9	0.0	
S25	7/23	60-59	173-28	X17376 Y32449	41	- .7	2459.1	2143.8	0.0	0.0	4603.0	0.0	
S26	7/23	60-59	174-06	X17241 Y32452	45	-1.4	703.5	1107.2	0.0	0.0	1810.7	0.0	
Z05	6/25	54-41	165-08	Y34604 Z48027	45	5.9	0.0	0.6	0.0	0.0	0.6	0.0	

NOTE: PRE-RECRUIT = 3.7-4.2 IN. WIDTH; LARGE = GREATER THAN 4.2 IN. WIDTH

TABLE 8 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE KOREAN HAIR CRAB WERE TAKEN

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	FEMALES	NUMBER PER MILE TOWED			TOTAL	PERCENT LARGE
								MALES (SEE NOTE)				
								SMALL	PRERECRUIT	LARGE		
B07	6/16	55-19	164-02	Y34342 Z47667	43	4.0	0.0	0.0	0.0	1.4	1.4	100.0
C08	6/15	55-39	163-24	Y34175 Z47431	45	2.7	0.0	0.0	0.0	0.6	0.6	100.0
C09	8/ 3	55-41	162-33	Y34034 Z47105	28	.	0.0	1.9	0.6	0.0	2.6	0.0
C09	8/ 3	55-42	162-33	Y34032 Z47105	28	.	0.0	0.0	0.7	0.0	0.7	0.0
C09	6/16	55-40	162-49	Y34081 Z47208	27	.	0.0	7.7	4.2	0.7	12.5	5.6
C09	8/ 3	55-42	162-35	Y34036 Z47117	27	10.0	0.0	0.8	0.0	0.0	0.8	0.0
C09	8/ 3	55-43	162-34	Y34031 Z47111	27	10.1	0.0	0.8	0.0	0.0	0.8	0.0
C18	7/15	55-40	168-11	X18357 Z49200	76	5.2	0.0	0.0	0.6	0.6	1.3	49.7
D10	6/15	56-00	162-15	Y33911 Z46985	39	2.7	1.2	0.6	4.7	0.0	6.5	0.0
D10	8/ 3	56-01	162-09	Y33895 Z46947	38	.	0.0	1.3	0.7	0.7	2.7	25.1
D10	8/ 3	56-00	162-10	Y33898 Z46951	37	.	0.7	0.0	0.7	0.7	2.0	33.3
D10	8/ 3	56-04	162-02	Y33860 Z46899	35	.	1.4	0.7	0.7	0.0	2.8	0.0
D10	8/ 3	56-01	162-11	Y33899 Z46959	35	.	0.8	0.0	1.7	0.8	3.4	25.0
D10	8/ 3	56-05	162-03	Y33860 Z46907	35	7.0	0.0	0.0	0.9	0.0	0.9	0.0
D18	7/15	56-00	168-13	X18463 Z49268	84	4.3	3.4	0.7	1.4	0.7	6.1	11.2
E10	6/15	56-20	162-12	Y33817 Z46961	43	2.4	0.0	0.0	0.6	1.2	1.8	66.8
E11	8/ 4	56-25	161-36	Y33702 Z46724	36	.	0.0	0.0	0.0	0.7	0.7	100.0
E11	8/10	56-09	161-54	X18626 Z46846	33	4.3	0.8	1.5	1.5	0.8	4.5	16.7
E12	6/12	56-19	161-00	Y33642 Z46483	30	3.1	0.0	0.0	0.6	0.0	0.6	0.0
E20	7/ 6	56-22	169-28	X18497 Z49748	75	4.1	0.0	0.0	0.0	1.3	1.3	100.0
F10	6/14	56-40	162-12	Y33722 Z46957	41	1.1	0.0	0.0	0.0	0.6	0.6	100.0
F11	8/ 4	56-34	161-24	Y33631 Z46641	40	.	0.0	0.0	0.6	0.0	0.6	0.0
F11	8/ 4	56-42	161-18	Y33574 Z46596	40	.	0.0	0.0	0.0	0.7	0.7	100.0
F11	8/ 4	56-34	161-25	Y33630 Z46644	37	.	0.0	0.0	0.0	0.7	0.7	100.0
F11	8/ 4	56-43	161-21	Y33577 Z46614	35	.	0.0	0.0	0.0	0.8	0.8	100.0
F11	8/ 8	56-30	161-45	Y33702 Z46779	52	.	0.0	0.0	0.6	0.0	0.6	0.0
F20	7/ 6	56-38	169-27	X18605 Z49809	40	4.5	0.0	0.0	0.7	6.7	7.4	90.9
G01	7/ 3	57-00	167-41	Y34617 Z49159	43	1.1	0.0	0.0	0.0	0.6	0.6	100.0
G04	6/22	56-59	165-50	Y34248 Z48413	41	.	0.0	0.0	0.0	1.2	1.2	100.0
G11	6/12	56-58	161-34	Y33529 Z46693	37	1.8	0.0	0.0	0.0	0.7	0.7	100.0
G12	6/12	56-59	160-57	Y33437 Z46448	37	1.7	0.0	0.0	0.0	1.2	1.2	100.0
G12	8/ 4	56-46	161-12	Y33540 Z46558	40	.	0.0	0.0	0.7	0.0	0.7	0.0
G12	8/ 4	56-47	161-14	Y33541 Z46568	38	.	0.8	0.0	0.0	0.8	1.7	50.0
G12	8/ 5	56-49	161-16	Y33531 Z46578	37	4.0	0.7	0.0	0.0	0.0	0.7	0.0
G14	8/ 5	56-50	159-59	Y33348 Z46064	30	.	0.0	0.0	0.0	1.3	1.3	100.0
G20	7/ 7	56-48	169-52	X18642 Z49980	42	3.4	0.0	0.0	1.3	6.6	7.9	83.3
G20	7/ 7	56-59	169-34	X18713 Z49907	35	1.4	0.0	0.0	0.0	2.1	2.1	100.0
G21	7/14	56-58	170-09	X18680 Z50102	40	2.6	0.0	1.3	0.6	6.4	8.4	75.9
G21	7/14	56-49	170-28	X18539 Z50117	56	6.7	0.0	0.0	0.0	0.6	0.6	100.0
H01	7/ 3	57-21	167-43	Y34496 Z49159	40	1.0	0.0	0.0	0.0	2.4	2.4	100.0
H02	6/30	57-19	167-07	Y34384 Z48913	40	1.2	0.0	0.0	0.0	2.0	2.0	100.0
H03	6/30	57-19	166-28	Y34253 Z48656	38	1.8	0.0	0.0	0.0	0.7	0.7	100.0
H09	6/15	57-20	162-47	Y33592 Z47174	27	3.6	0.0	0.0	0.0	0.7	0.7	100.0
H10	6/14	57-20	162-09	Y33499 Z46925	27	2.7	0.0	0.0	0.0	0.6	0.6	100.0
H18	7/ 4	57-20	168-21	Y34635 Z49406	42	1.4	0.0	0.0	0.0	0.6	0.6	100.0

NOTE: PRE-RECRUIT = 3.0-3.5 IN. WIDTH; LARGE = GREATER THAN 3.5 IN. WIDTH

TABLE 8 DATA FROM THE 1984 EASTERN BERING SEA TRAWL SURVEY WHERE KOREAN HAIR CRAB WERE TAKEN (CONTINUED)

STATION	DATE	LATITUDE	LONGITUDE	LORAN C	DEPTH FTMS	BOTTOM TEMP	NUMBER PER MILE TOWED					PERCENT LARGE
							FEMALES	MALES (SEE NOTE)			TOTAL	
								SMALL	PRERECRUIT	LARGE		
H18	7/ 4	57-10	168-36	Y34755 Z49522	44	1.5	0.0	0.0	0.0	0.7	0.7	100.0
H19	7/ 9	57-10	169-19	X18744 Z49807	40	1.2	0.0	0.0	0.0	1.9	1.9	100.0
H19	7/ 9	57-18	169-01	Y34792 Z49676	40	.7	0.0	0.0	0.7	3.5	4.2	83.5
H20	7/ 7	57-09	169-53	X18747 Z50038	27	4.5	0.0	0.0	2.0	7.8	9.8	80.0
H20	7/ 7	57-19	169-37	Y34910 Z49901	36	1.0	0.0	0.0	0.0	1.3	1.3	100.0
H21	7/14	57-20	170-15	X18700 Y35002	30	5.4	0.8	0.0	0.8	8.7	10.3	84.6
H21	7/14	57-07	170-28	X18659 Y35111	26	5.2	0.7	0.0	3.4	11.0	15.1	72.7
I01	7/ 3	57-41	167-45	Y34349 Z49124	37	1.2	0.0	0.0	0.0	0.7	0.7	100.0
I03	6/30	57-38	166-30	Y34121 Z48636	37	1.8	0.0	0.0	0.0	0.7	0.7	100.0
I04	6/23	57-39	165-51	Y33994 Z48384	37	1.9	0.0	0.0	0.0	0.6	0.6	100.0
I08	6/17	57-39	163-22	Y33568 Z47397	27	3.1	0.0	0.0	0.0	0.6	0.6	100.0
I18	7/ 3	57-41	168-22	Y34469 Z49358	40	.5	0.0	0.0	0.0	2.7	2.7	100.0
I18	7/ 4	57-30	168-38	Y34616 Z49491	40	1.7	0.0	0.0	0.0	2.0	2.0	100.0
I19	7/ 9	57-29	169-12	Y34739 Z49711	38	.0	0.0	0.0	0.0	0.7	0.7	100.0
I19	7/ 9	57-41	169-01	Y34591 Z49596	37	.4	0.0	0.0	0.0	1.4	1.4	100.0
I20	7/ 8	57-39	169-38	Y34706 Z49808	40	.0	0.7	0.0	0.0	0.7	1.4	50.0
I26	7/26	57-44	173-24	Y34417 Z50116	81	3.5	0.7	0.0	0.0	0.0	0.7	0.0
J01	7/ 2	58-00	167-48	Y34179 Z49077	37	.5	0.0	0.0	0.0	0.7	0.7	100.0
J03	6/30	57-58	166-31	Y33965 Z48602	34	1.7	0.0	0.0	0.0	0.7	0.7	100.0
J18	7/ 3	57-50	168-40	Y34436 Z49428	40	.0	0.0	0.0	0.0	1.3	1.3	100.0
J19	7/10	57-49	169-22	Y34556 Z49670	36	.0	0.8	0.0	0.0	0.0	0.8	0.0
K03	7/ 1	58-18	166-33	Y34796 Z48563	25	3.0	0.0	0.0	0.0	1.3	1.3	100.0
K05	6/21	58-21	165-17	Y33567 Z48084	24	3.0	0.0	0.0	0.0	0.7	0.7	100.0
K18	7/ 3	58-20	168-27	Y34081 Z49216	37	.7	0.0	0.0	0.0	0.7	0.7	100.0
L01	7/ 2	58-41	167-51	Y33775 Z48930	25	2.7	0.0	0.0	0.0	0.6	0.6	100.0
L02	7/ 1	58-39	167-12	Y33703 Z48726	25	3.2	0.0	0.0	0.0	0.6	0.6	100.0
L03	7/ 1	58-39	166-33	Y33605 Z48502	22	3.5	0.0	0.0	0.0	0.6	0.6	100.0
L04	6/23	58-39	165-57	Y33505 Z48283	21	3.4	0.0	0.0	0.6	0.0	0.6	0.0
L05	6/21	58-41	165-17	Y33392 Z48043	20	2.9	0.0	0.0	0.0	0.6	0.6	100.0
M02	7/ 1	58-59	167-14	Y33494 Z48654	23	3.6	0.0	0.6	0.0	0.6	1.3	49.7
M18	7/ 2	59-00	168-32	Y33636 Z49039	26	2.8	0.7	0.7	0.7	0.7	2.7	29.1
N01	7/ 2	59-19	167-56	Y33355 Z48778	21	3.0	0.0	1.8	0.0	0.0	1.8	0.0
N18	7/ 2	59-20	168-34	Y33404 Z48945	25	1.6	0.0	0.0	0.7	0.0	0.7	0.0
N19	7/11	59-19	169-14	Y33475 Z49117	27	1.5	0.0	0.0	0.0	0.6	0.6	100.0
O19	7/11	59-39	169-16	Y33234 Z49016	25	.6	0.7	0.0	0.0	0.0	0.7	0.0
P18	7/ 2	59-59	168-39	Y32945 Z48770	22	1.0	0.0	1.3	0.0	0.0	1.3	0.0
Q19	7/11	60-19	169-20	Y32748 Z48823	24	.	0.0	0.0	0.6	0.0	0.6	0.0
Q23	7/22	60-09	172-17	X17718 Y32988	31	1.0	0.0	0.6	0.0	0.0	0.6	0.0

NOTE: PRE-RECRUIT = 3.0-3.5 IN. WIDTH; LARGE = GREATER THAN 3.5 IN. WIDTH



