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# NWAFC PROCESSED REPORT 85-20

# REPORT TO INDUSTRY ON THE 1985 EASTERN BERING SEA CRAB SURVEY

## NOVEMBER 1985

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

# NOTICE

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# Report to Industry on the 1985 Eastern Bering Sea Crab Survey

by

B. G. Stevens and R. A. MacIntosh

National Marine Fisheries Service
Northwest and Alaska Fisheries Center
Kodiak Facility
P. O. Box 1638
Kodiak, Alaska 99615

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# The 1985 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

The 1985 Eastern Bering Sea crab survey consisted of 358 successful trawl tows and covered an area of approximately 132,000 square nautical miles. The 1985 survey area was essentially identical to that of 1984 (Fig. 1) and covered the Bering Sea ranges of all commercially exploited crab species

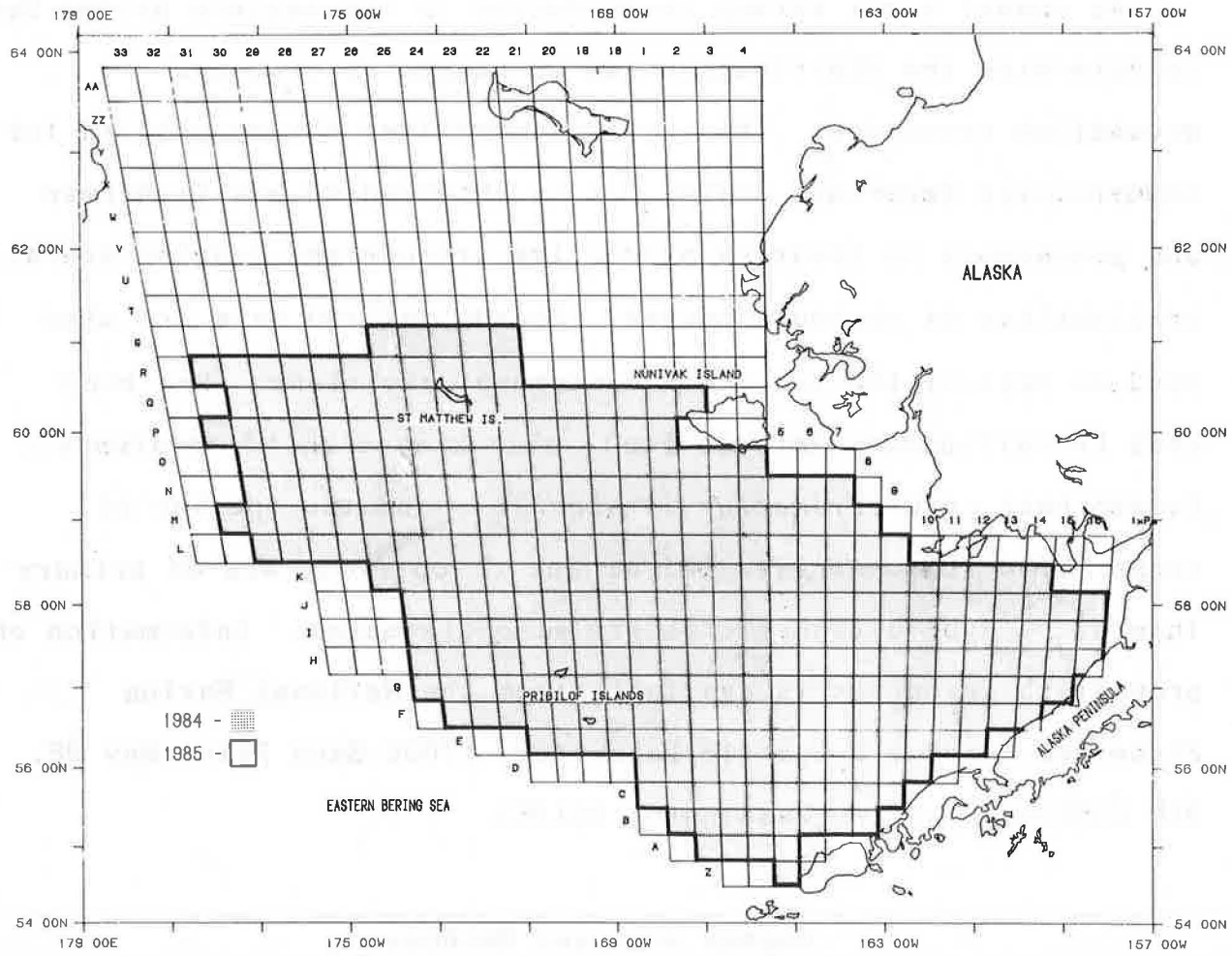



Figure 1. -- NMFS eastern Bering Sea crab survey area in 1984 and 1985.

except for *Chionoecetes opilio*. Unexploited *C. opilio* stocks extend to the north of the survey area. Golden king crab were not surveyed.

The survey was conducted aboard two chartered vessels, the F/V Argosy and the University of Washington R/V Alaska between June 6 and September 3. Methodology was similar to that of previous surveys in that most tows were made at the centers of squares defined by a 20 x 20 nautical mile grid. Near St. Matthew Island and the Pribilofs, additional tows were made at the corners of squares. Because the trawls used were identical to those used in previous years, we assumed that they behaved similarly. Procedures for estimating abundance were identical to those of previous years.

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. An effective width of 50 feet was used. 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 (crabs per square nautical mile) at each trawl station was computed. Average density was then calculated for several sub-regions, 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 to the number of crab caught per square nautical mile (rounded to whole numbers on Charts). Note that charts from previous years presented crabs per mile towed, so are not directly comparable to this report. However, data presented in previous reports can be converted to crabs per square mile (approximately) by multiplying by a factor of 124.

Charts are based on 20 by 20 nautical mile squares. In cases where more than one tow was made in a square (including corner tows), the average crab density 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

Legal male crabs were sparsely distributed in Bristol Bay and their distribution also extended into the Northern District (North of 58°39', Chart 1, Table 4). In Bristol Bay, the 1985 distribution extended about 60 miles further west than in 1984. A few red king crabs were also found near the Pribilof Islands but their contribution to overall abundance in the eastern Bering Sea is negligible.

Almost all pre-recruit and legal males were found between 15 and 50 fm at temperatures ranging from 1 to 6°C. The average depth of capture for legal males was 34 fm and the average temperature was 2.6°C. The percentages of legal crab taken at each station (Chart 2) show that legal crab were occasionally found as solitary individuals at the periphery of the stock's distribution.

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 fishery was opened in 1984, and 4.2 million lbs were landed with an average catch-per-unit effort (CPUE) of 7 crabs per pot-lift.

From 1984 to 1985, the abundance of pre-recruit and legal males decreased by 17% and 14% respectively, (Table 1), but legal crabs were not as low as the 1983 estimates. The 1985 fishery opened on September 25 with a guideline harvest of 2.0 to 5.0 million pounds compared to an estimated legal stock of 12.5 million pounds. The fishery closed October 2; final landings exceeded 4.1 million lbs, but the statistics were not complete at this writing.

Figure 2 shows the relationship between catch rates in the fishery and estimates of abundance derived from annual trawl surveys. A catch rate of 3 to 4 crabs per pot-lift was expected in 1985, but the fleet average was closer to 9 crabs/pot-lift, indicating that catch rates are poorly related to the abundance estimate.

Blue King Crab

This species is found in significant concentrations in the vicinity of the Pribilof Islands and St. Matthew Island (Charts 3 and 4 and Table 5). In the Pribilofs area, the area over which legal-sized crab occurred (Chart 3) was less than that of last year. Most crab were found north and east of the islands, as usual. Legal crab occurred at temperatures between -1.0 and 6.0°C (average 1.7°C), and at depths between 30 and 83 fm (average 44.4). In both areas, the percentage of legal crab at each station (Chart 4) should be interpreted cautiously for reasons described above.

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[1] | Legals[1] |
| 1969 | 20.3 | 9.8 |
| 1970[2] | 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 | 12.2 | 2.9 |
| 1985[3] | 10.1 | 2.5 |

| | Pribilof Blue King Crab | | St. Matthew Blue King Crab | |
|---|---|---|---|---|
| Year | Pre-recruits[1] | Legals[1] | Pre-recruits[4] | Legals[4] |
| 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 | 3.3 | 1.8 |
| 1979 | 1.5 | 4.6 | 3.0 | 2.2 |
| 1980 | 1.4 | 4.2 | 3.0 | 2.5 |
| 1981 | 1.4 | 4.2 | 2.2 | 3.1 |
| 1982 | 0.7 | 2.2 | 3.3 | 6.8 |
| 1983 | 0.8 | 1.3 | 1.9 | 3.5 |
| 1984 | 0.3 | 0.6 | 0.6 | 1.6 |
| 1985 | 0.16 | 0.3 | 0.4 | 1.1 |

[1] The size groups 5.2" - 6.4" and ¢ 6.5" have been used for pre-recruits and legals, respectively.
[2] Limited survey in 1971, not used for population estimates.
[3] Preliminary estimate subject to change upon further analysis.
[4] The size groups 4.3" - 5.4" and ¢ 5.5" have been used for pre-recruits and legals, respectively.

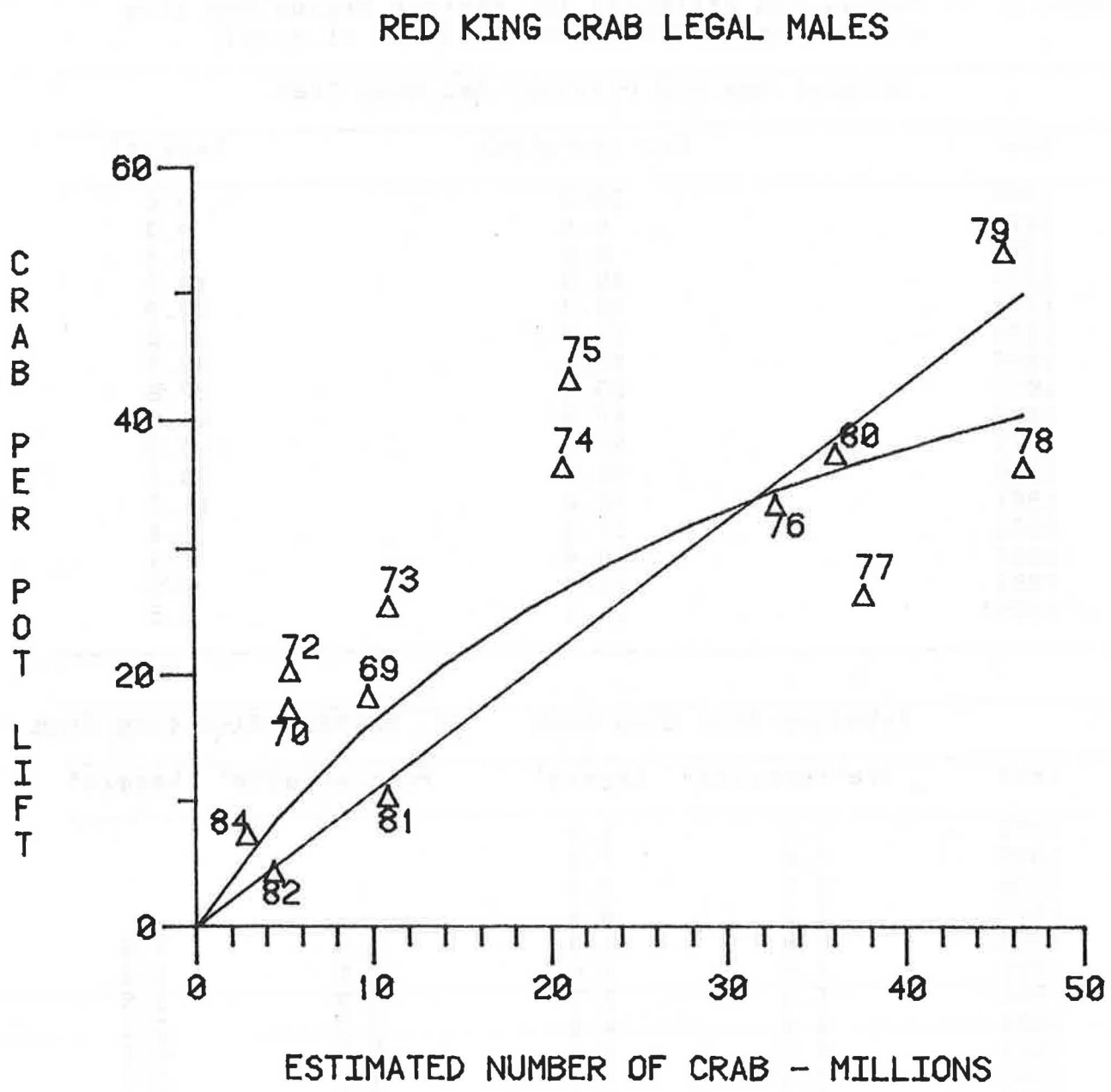



Figure 2. -- Relationship between the average number of red king crab (Paralithodes camtschatica) taken per pot in the U.S. fishery (year shown) and estimates of stock size from NMFS trawl surveys in the same year. There is no value shown for 1983 because no fishery occurred. The curved line assumes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

The abundance of legal-sized crab (Table 1) in the Pribilof District was stable from 1978 to 1981, but has been declining about 50% per year through 1985. The abundance of pre-recruit and legal declined by 45 and 47 percent respectively, relative to 1984 and is now at a new historic low. The commercial fishery produced about 307,000 pounds 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 1986. The habitat of smaller males is rocky and untrawlable, therefore no long term forecast can be made.

The 1985 Pribilofs fishery opened September 25 with a guideline harvest of 0.3 to 0.9 million pounds as compared to an estimated 1.9 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-lift (Fig. 3), but it is often better than predicted.

The abundance of pre-recruit and legal crab in the St. Matthew Island area has been declining over the past three years (Table 1). Over the past year, pre-recruit abundance declined by 42% and legal abundance declined by 31%. Continued declines in the abundance of legal stock are expected in 1986. Legal males were found in depths from 32 to 58 fm (average 47) and temperatures from -1.0 to 4.0°C (average 0.8°C).

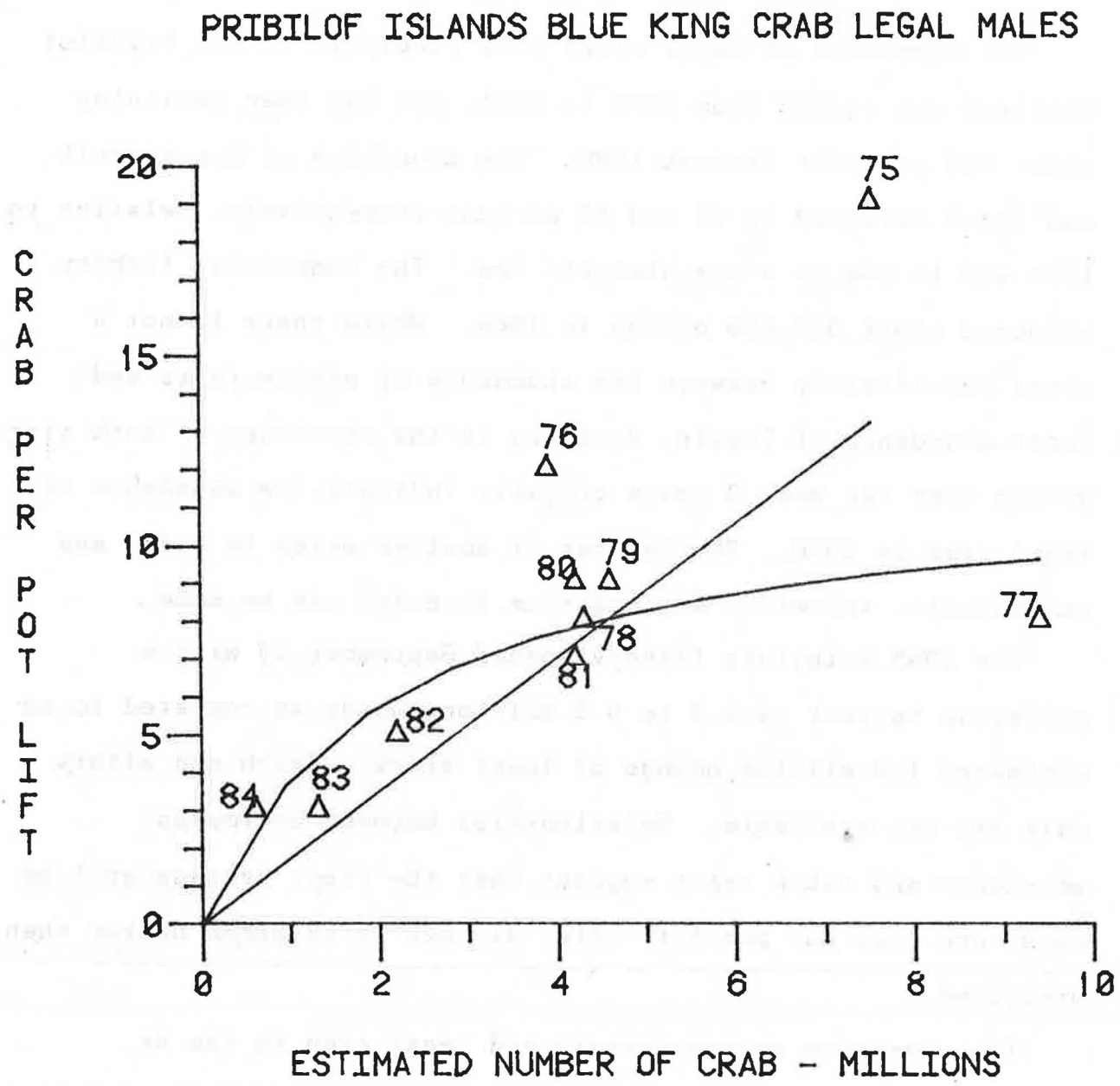



Figure 3. -- Relationship between the average number of Pribilof Island blue king crab (Paralithodes platypus) taken per pot in the U.S. fishery (year shown) and estimates of stock size from NMFS trawl surveys in the same year. The curved line assumes some limit to the number of crab a pot could catch.

The 1985 St. Matthew fishery opened on September 1 with a guideline harvest of 0.9-1.9 million pounds, and 79 vessels participated. Preliminary ADF&G statistics indicate that over 2.4 million pounds were landed in a one-week season with an average weight of about 5.0 pounds and an average CPUE of 10 crabs per pot-lift. The estimated exploitation rate was 47%, or about 480,000 crabs out of an estimated legal stock of 1.1 million crabs. In comparison, during 1984, 90 vessels landed 3.8 million pounds or 840,000 crabs for an estimated exploitation rate of 53% and an average CPUE of 11 crabs per pot-lift.

## 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 Unimak Pass to the Pribilof Islands (Table 6, Charts 5 and 6). The highest concentrations of legal crab were found north of Port Moller, where percentages of legals were also highest. Most legal and pre-recruit crab were found at 20 to 85 fm and at temperatures ranging from 0.7 to 5.0°C with an average temperature of 3.2°C.

The abundance of pre-recruit and legal male *C. bairdi* has been generally declining from 1975 onward and is now at a new historic low (Table 2). Over the past year the abundance of pre-recruit and legal crab declined by 56 and 23 percent respectively. Recruitment trends and more detailed size-

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

C. bairdi

Bristol Bay and Pribilof

| Year | Pre-recruits[1] | Legals[1] |
|---|---|---|
| 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 | 21.2 | 5.8 |
| 1985[2] | 9.4 | 4.4 |

C. opilio

| | Bristol Bay and Pribilof | | Northern District | |
|---|---|---|---|---|
| Year | Pre-recruits[3] | Large[3] | Pre-recruits[3] | Large[3] |
| 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 | 8.2 | 10.5 |
| 1979 | 146.3 | 106.3 | 20.8 | 6.6 |
| 1980 | 99.1 | 53.6 | 30.4 | 4.2 |
| 1981 | 62.7 | 15.7 | 17.1 | 6.5 |
| 1982 | 63.8 | 10.8 | 70.4 | 10.9 |
| 1983 | 91.6 | 12.9 | 50.0 | 9.2 |
| 1984 | 104.1 | 54.0 | 66.3 | 20.0 |
| 1985[2] | 36.1 | 27.9 | 31.3 | 12.8 |

Table 2. continued.

Bristol Bay and Pribilof Hybrid Tanner Crab

| Year | Pre-recruits[3] | Large[3] |
|---|---|---|
| 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 | 0.4 | 0.3 |
| 1985[2] | 0.09 | 0.21 |

1 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.

[2] Preliminary estimate subject to change upon further analysis.

[3] "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.

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

| Year | Pre-recruits | Large[1] |
|---|---|---|
| 1979 | 4.5 | 16.1 |
| 1980 | 5.1 | 13.7 |
| 1981 | 4.8 | 15.9 |
| 1982 | 1.2 | 7.7 |
| 1983 | 0.7 | 4.8 |
| 1984 | 0.6 | 2.9 |
| 1985[2] | 0.4 | 2.2 |

[1] "Large" is > 3.5" in width which is approximately the size at entry into the U. S. fishery; pre-cruit is 3.0" - 3.4".

[2] Preliminary estimate subject to change upon further analysis.

frequency data indicate that legal crab abundance will probably decline further in 1986 and probably beyond.

Landings have fallen from 30 million pounds in 1981 to 1.2 million in 1984. According to preliminary ADF&G statistics, as of September 13, 1985, the 1985 fishery produced 3.2 million pounds landed by 41 vessels with an average catch of 8 crabs per pot-lift. This is an improvement over 1984, when 41 vessels landed 1.2 million pounds at 8 crabs/pot-lift. However, landings and catch rates are still at historically low values. In 1984, catch rates for *C. bairdi* were too low to attract a directed fishery, so little effort was targeted on *C. bairdi*; most vessels targeted on *C. opilio* in areas where *C. bairdi* were scarce or absent. The 1985 survey produced an estimate of 10.3 million pounds of legal crabs (± 3.0 million pounds, 95% confidence limit). Relationships between population estimates and catch rates indicate that the 1986 fleet average will be about 6 crabs per pot-lift (Fig. 4). No 1986 guideline harvest levels have been determined.

*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.

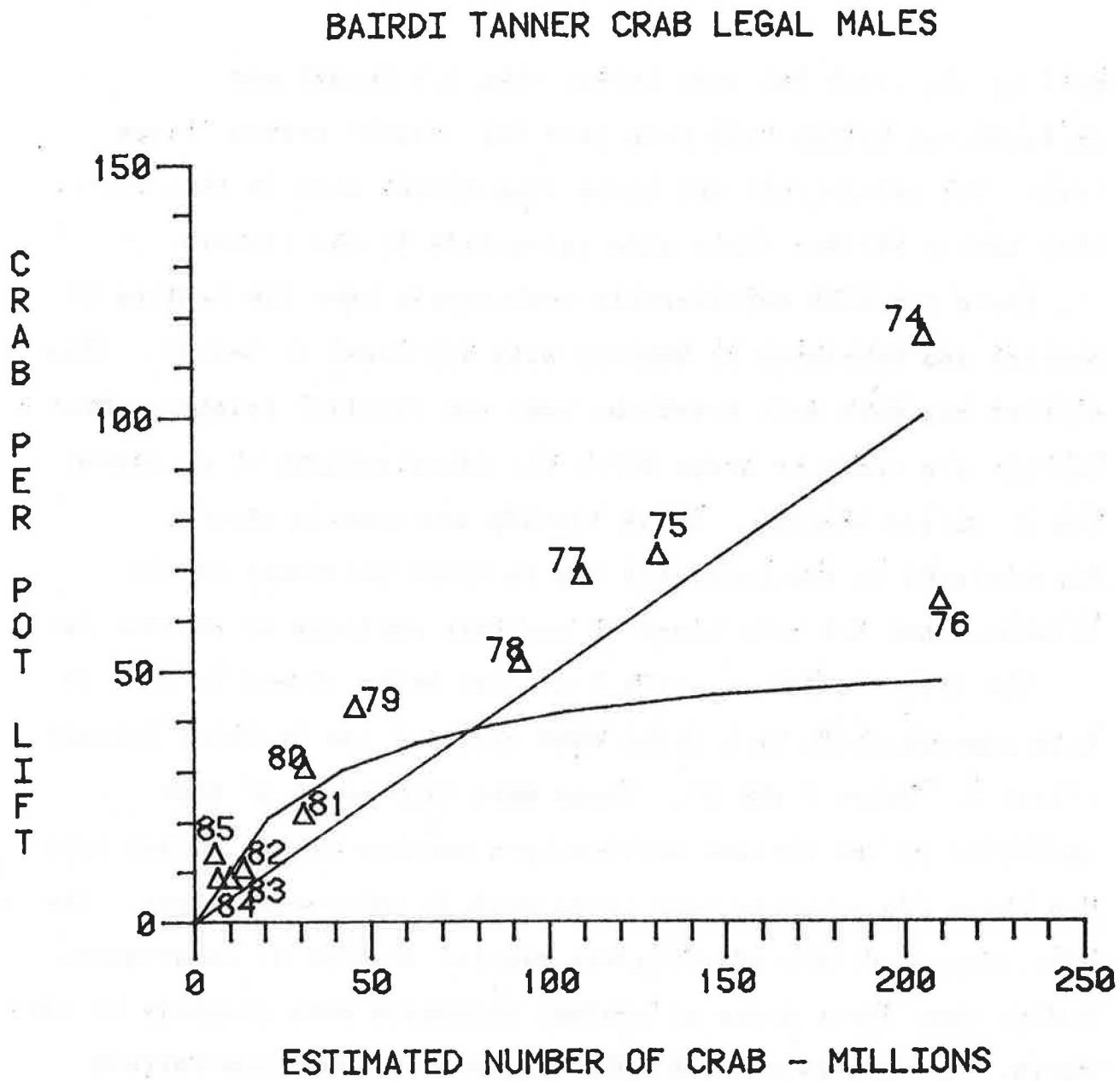



Figure 4. -- Relationship between the average number of tanner crab (Chionoecetes bairdi) taken per pot in the U.S. fishery (year shown) and estimates of stock size from NMFS trawl surveys in the preceeding year. In 1974, crab >4.7 in. included in stock size estimate: 5.5 in. size limit in effect from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

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 (>4.3 in) males showed an area of high concentration in a broad band north of the Pribilof Islands (Table 7, Charts 7 and 8). 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 1984, 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 -0.2 to 5.2°C (average 2.0) and depths from 25 to 100 fm (average 48). Percentages of large crab (Chart 8) are difficult to interpret because of the close association between the distributions of large and pre-recruit size groups.

Combining districts, the abundance of pre-recruits decreased by 60% and the abundance of large males decreased by 45% since the 1984 survey (Table 2). More detailed size-frequency data indicate the passage of one or two large modal groups through the fishery and indicate declining recruitment for the next 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 1985 fishery closed prior to the opening of the St. Matthew Island blue king crab fishery on September 1. Preliminary 1985 ADF&G statistics show participation by at least 58 vessels, landings of about 60 million pounds and average catch rates ranging from 111 crabs per pot-lift in the Northern District to 177 crabs/pot-lift in the Pribilof District.. Currently there is an estimated 129 (± 17.5) million pounds of exploitable stock (>3.7 inches width) within the survey area. This fishery was re-opened for the period of October 9 thru December 31, 1985. Comparative fishery statistics for 1984 were 52 vessels landing 24.0 million pounds with an average catch rate of 138 crabs per pot. Relationships between catch rates and population estimates indicate the catch rates in 1986 could be in excess of 90 crabs per pot (Fig. 5). Guideline harvests for 1986 have been determined and published elsewhere by Alaska Department of Fish and Game.

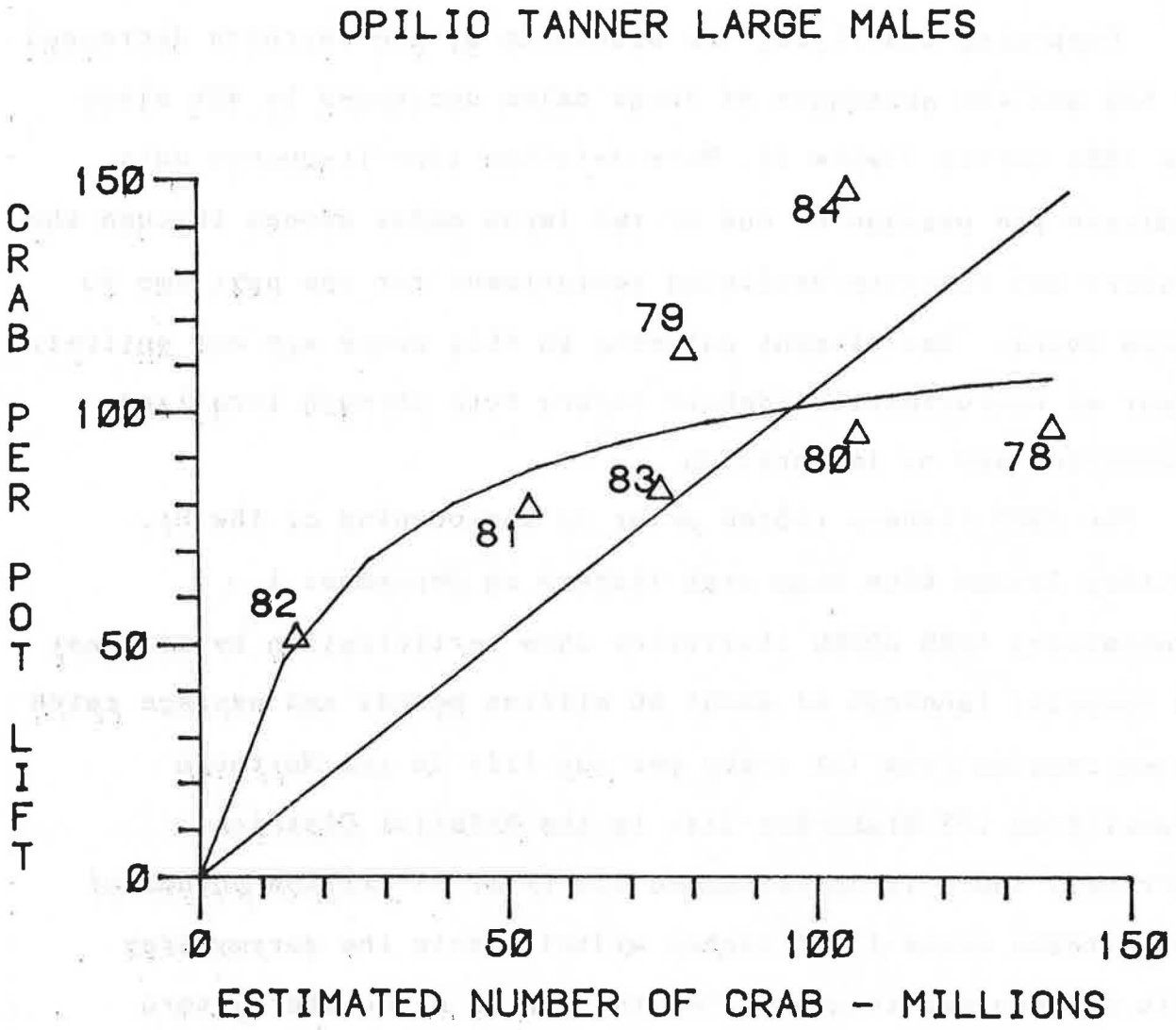



Figure 5. -- Relationship between the average number of tanner crab (Chionoecetes opilio) taken per pot in the U.S. fishery (year shown) and estimates of stock size from NMFS trawl surveys in the preceeding year. "Large" is >4.3 in from 1978-1982, >3.7 in from 1983 to present, and generally corresponds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

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 9 and 10, and Table 8). Isolated individuals were found as far north as the St. Matthew Is. area. Pre-recruit crab were found in the same areas as large crab but in much lower abundance. Large hair crab were taken in 3 to 66 fm (average 35) and at temperatures of -0.3 to 5.7°C (average 3.5°C). Large males were 100% of the catch in many areas (Chart 10), 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 1984 to 1985 and the vast majority of the resource remains concentrated in the Pribilof District.

The abundance of hair crab has been declining since 1981 (Table 3). Over the past year abundance of large crab declined by 24%, all districts combined. Size-frequency data provide little information on recruitment trends, but abundance will likely remain low going into 1986.

The fishery is largely incidental to tanner crabbing although there is some directed effort. Preliminary ADF&G statistics as of September 13, 1985 show only 30,000 pounds delivered by one

vessel, and a CPUE of 10 crabs/pot-lift. Comparative statistics for 1984 were 508,000 pounds delivered by six vessels. Currently there are an estimated 4.4 (±1.7) million pounds of large crabs (i.e., >3.5 inches wide) on the grounds. There are no guideline harvest levels, closed seasons or size limits for hair crab. The fishery and markets have both been intermittent and probably will remain so during 1986.

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 1985 was 2.3°C as compared to 2.5°C in 1984 and 3.0°C in 1983. The coldest waters were encountered around St. Matthew Island and extended considerably to the south (Chart 11). The warmest waters were found in Kuskokwim Bay and inner Bristol Bay. The area of cold water associated with St. Matthew Island was less extensive in 1985 than in 1984. Most year-to-year variation in temperature is associated with relatively shallow areas of the continental shelf and near shore. 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

For the past 5 years, NMFS has tagged a number of crabs each year. These include red, blue and golden (brown) king crabs. In 1985, over 1,000 red king crabs were tagged in Bristol Bay. The purpose of our tagging program is to gather information on growth, migrations and the frequency of molting. For this reason, we need fairly complete information with returned tags. Tags should only be removed from legal crabs. 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.

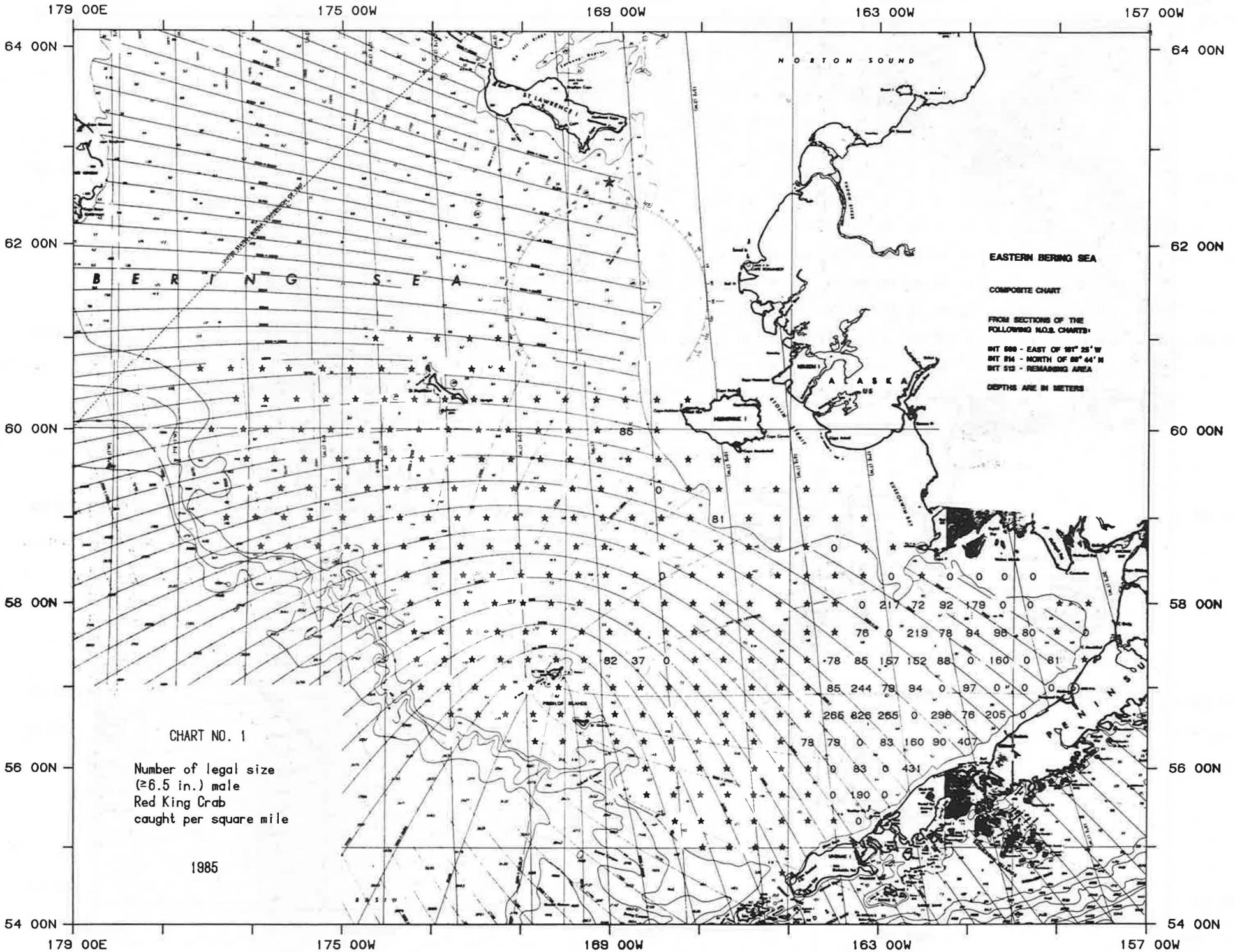
A reward of $10.00 will be paid for all tags returned with complete information with the exception of 70 predetermined numbers. Of these 70 tags, 40 will have a reward value of $25.00, 20 a reward value of $50.00 and 10 a reward value of $100.00. Tags returned without the above information will have 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 Tom Moe (F/V Argosy), Tom Oswald (R/V Alaska), and their crews.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INT 514 - NORTH OF 58° 44' N
INT 513 - REMAINING AREA
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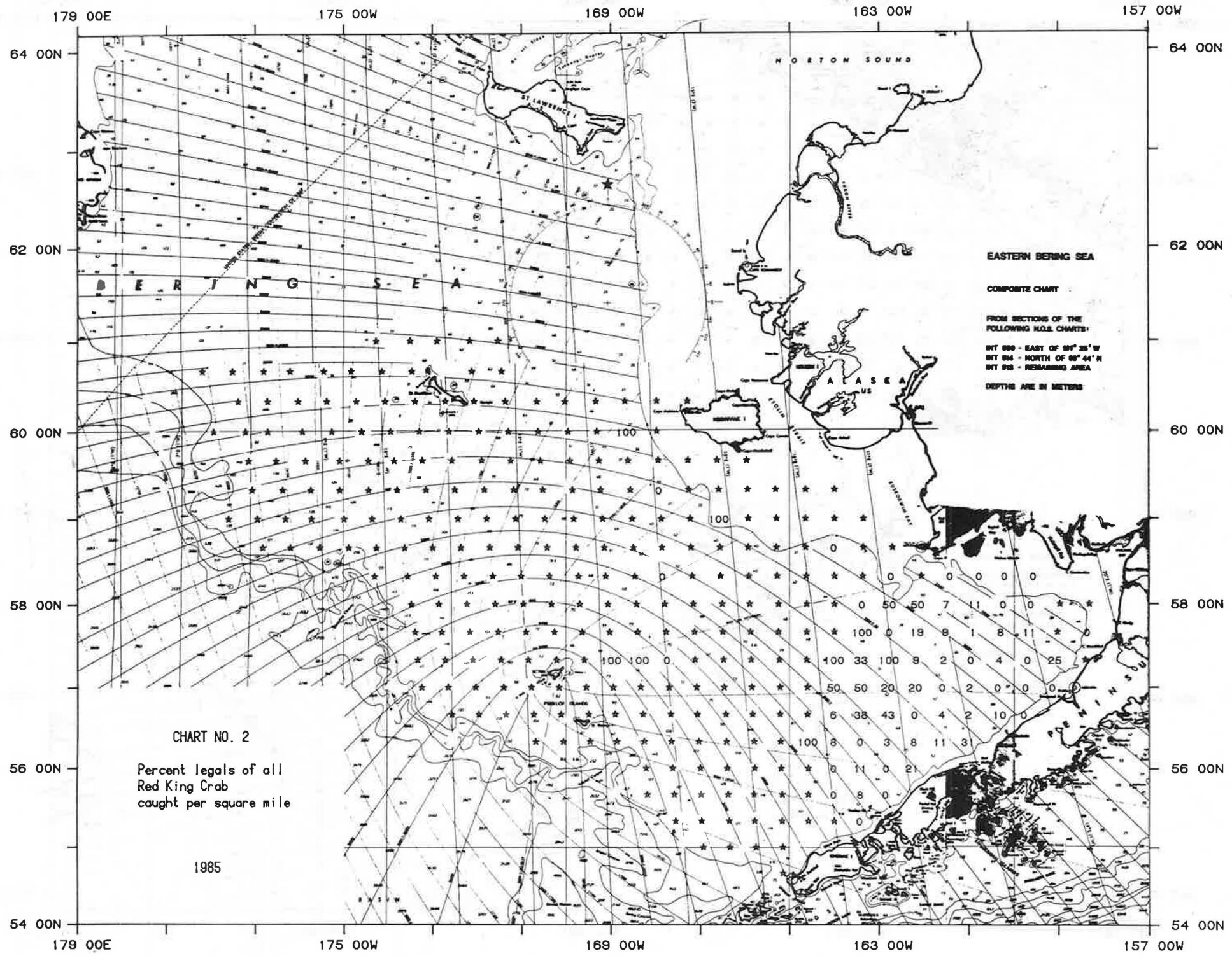
Red King Crab
caught per square mile
1985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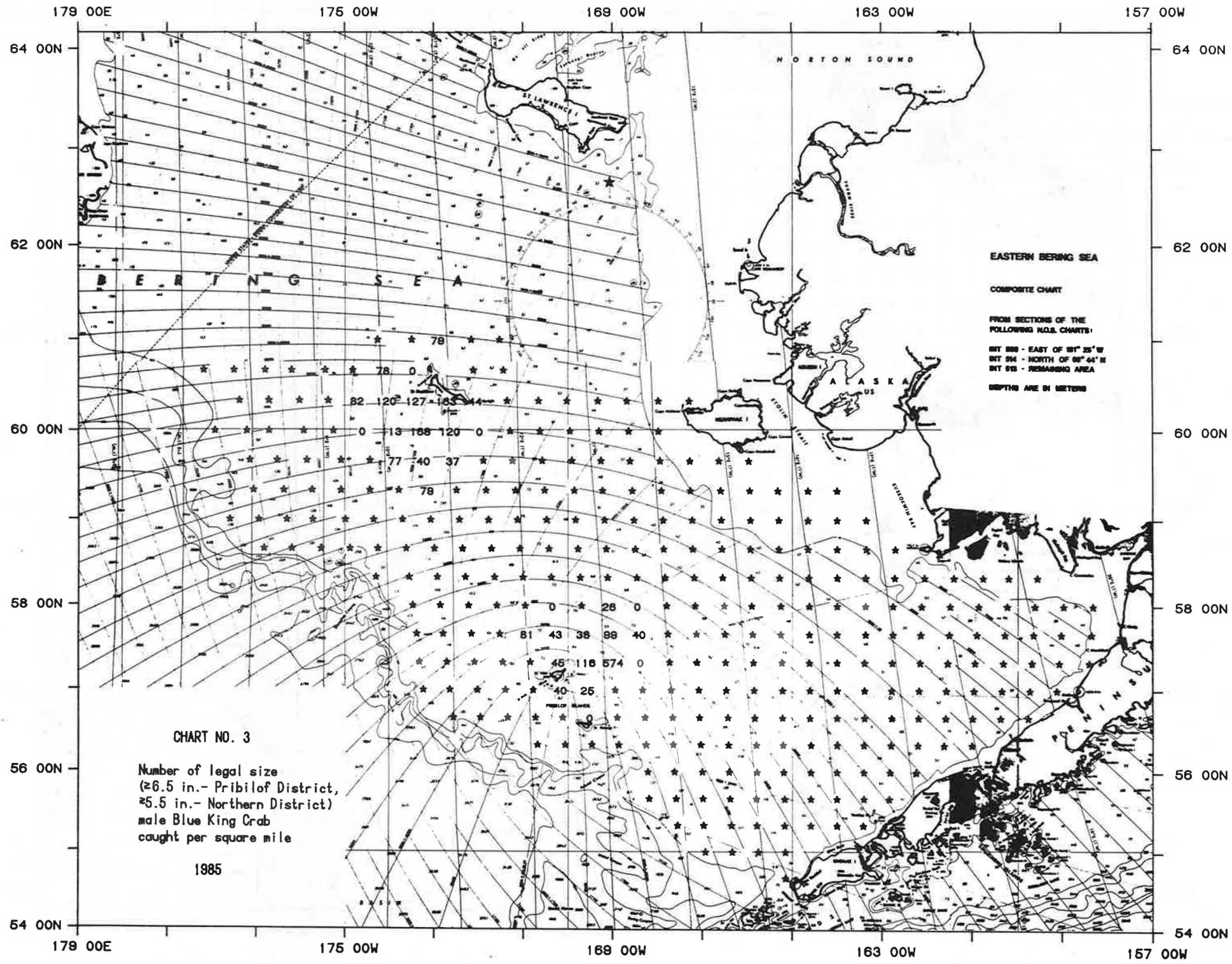
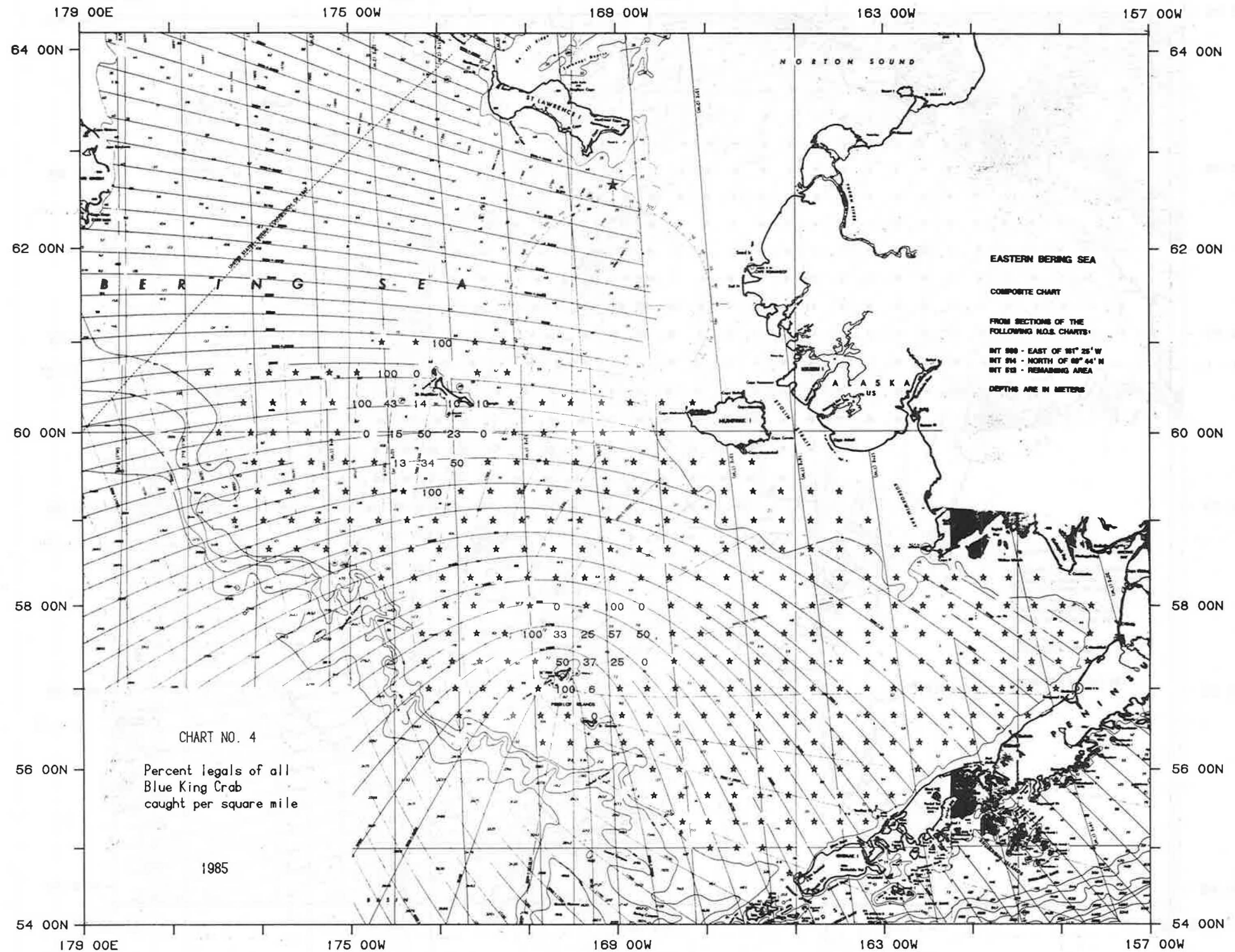
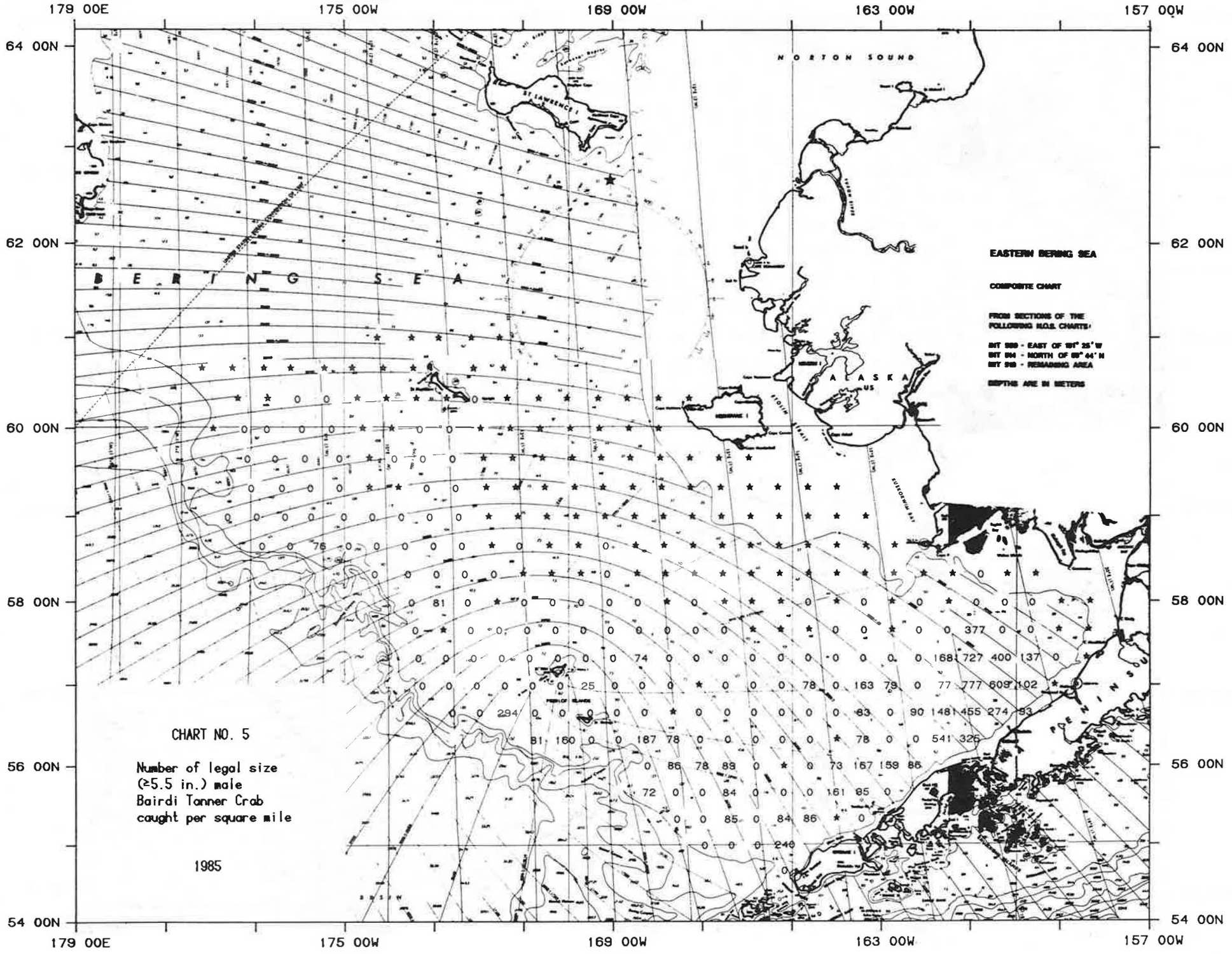
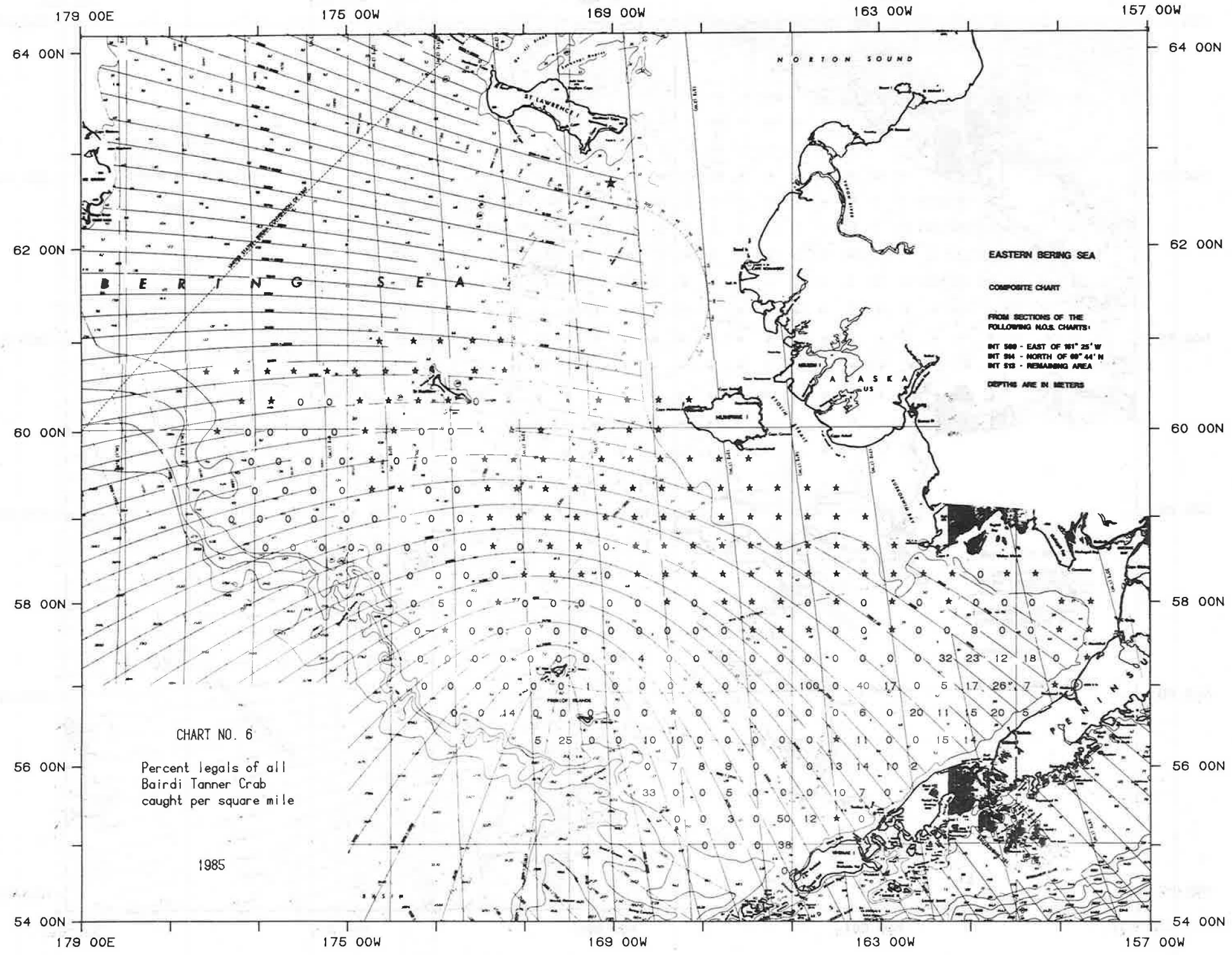
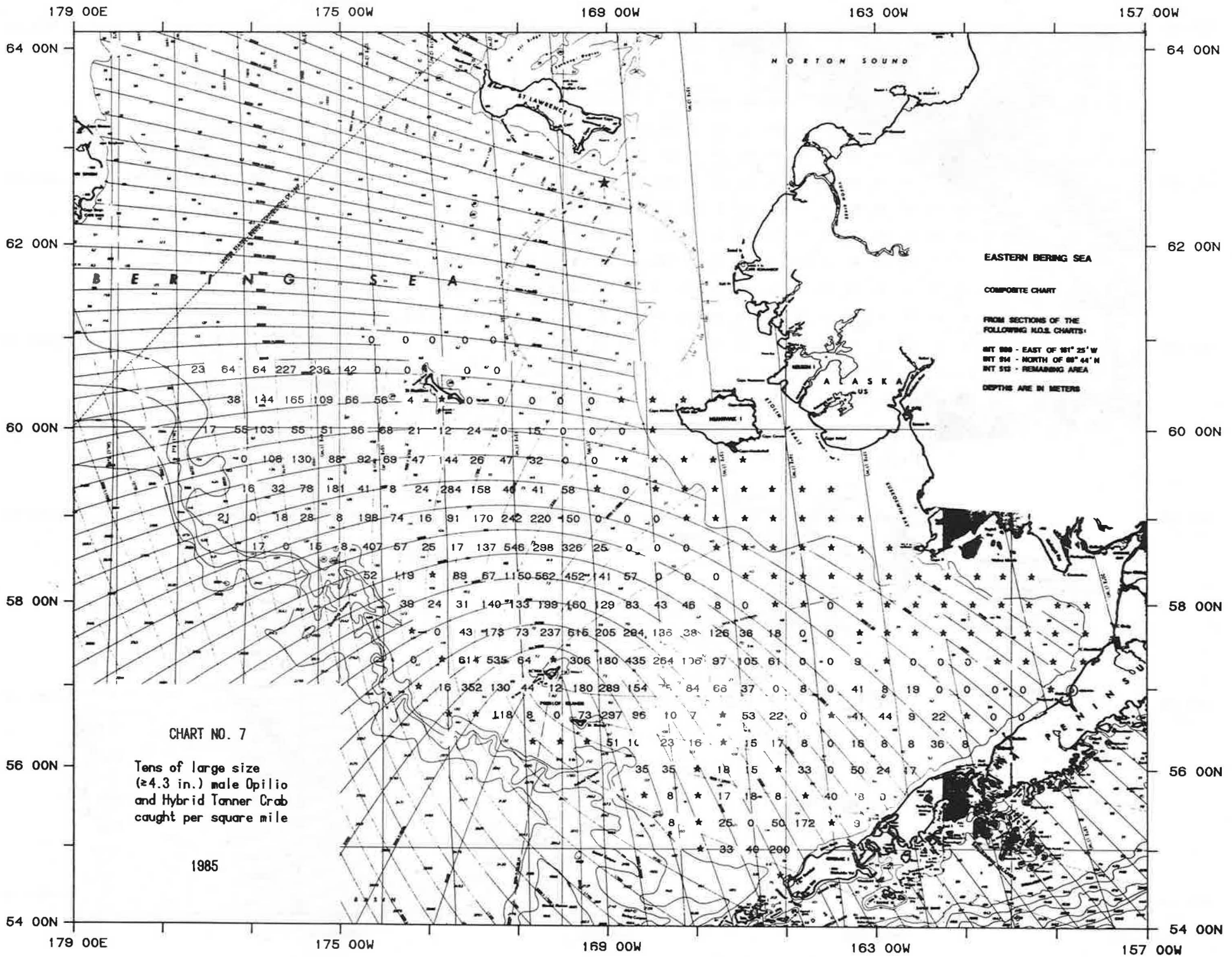
FROM SECTIONS OF THE FOLLOWING N.O.S. CHARTS:
INT 889 - EAST OF 191° 25' W
INT 914 - NORTH OF 56° 44' N
INT 913 - REMAINING AREA
DEPTHS ARE IN METERS
CHART NO. 2
Percent legals of all
Red King Crab
caught per square mile
1985

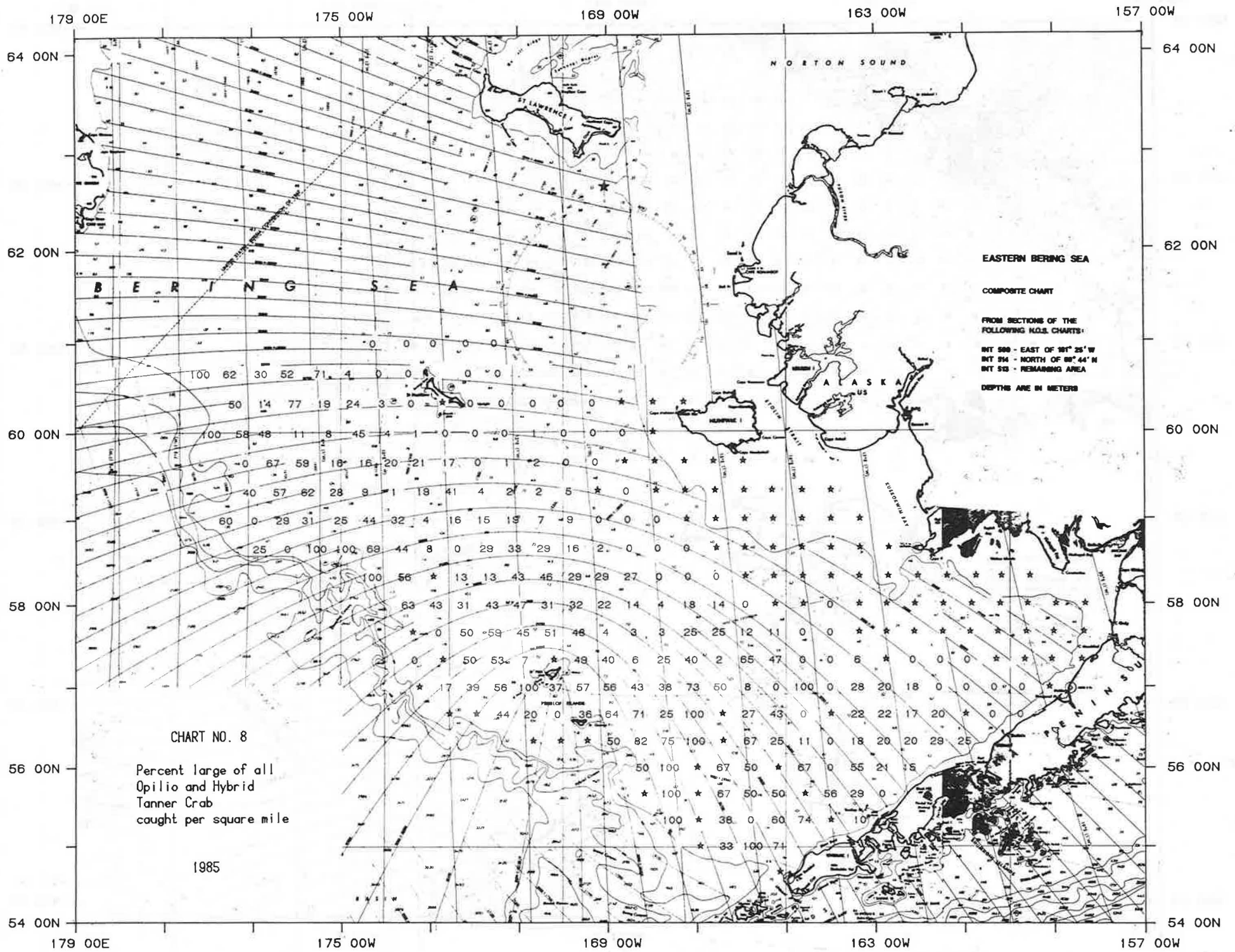

179 00E
175 00W
169 00W
163 00W
157 00W
64 00N
62 00N
60 00N
58 00N
56 00N
54 00N
NORTON SOUND
ST LAWRENCE I
BERING SEA
ALASKA
US
EASTERN BERING SEA
COMPOSITE CHART
FROM SECTIONS OF THE
FOLLOWING N.O.S. CHARTS:
INT 888 - EAST OF 161° 25' W
INT 514 - NORTH OF 56° 44' N
INT 513 - REMAINING AREA
DEPTHS ARE IN METERS
78
78 0
82 120 127 163 44
0 13 188 120 0
77 40 37
78
0 26 0
81 43 38 88 40
45 116 574 0
40 25
PRIBILOF ISLANDS
CHART NO. 3
Number of legal size
(≥6.5 in.- Pribilof District,
≥5.5 in.- Northern District)
male Blue King Crab
caught per square mile
1985

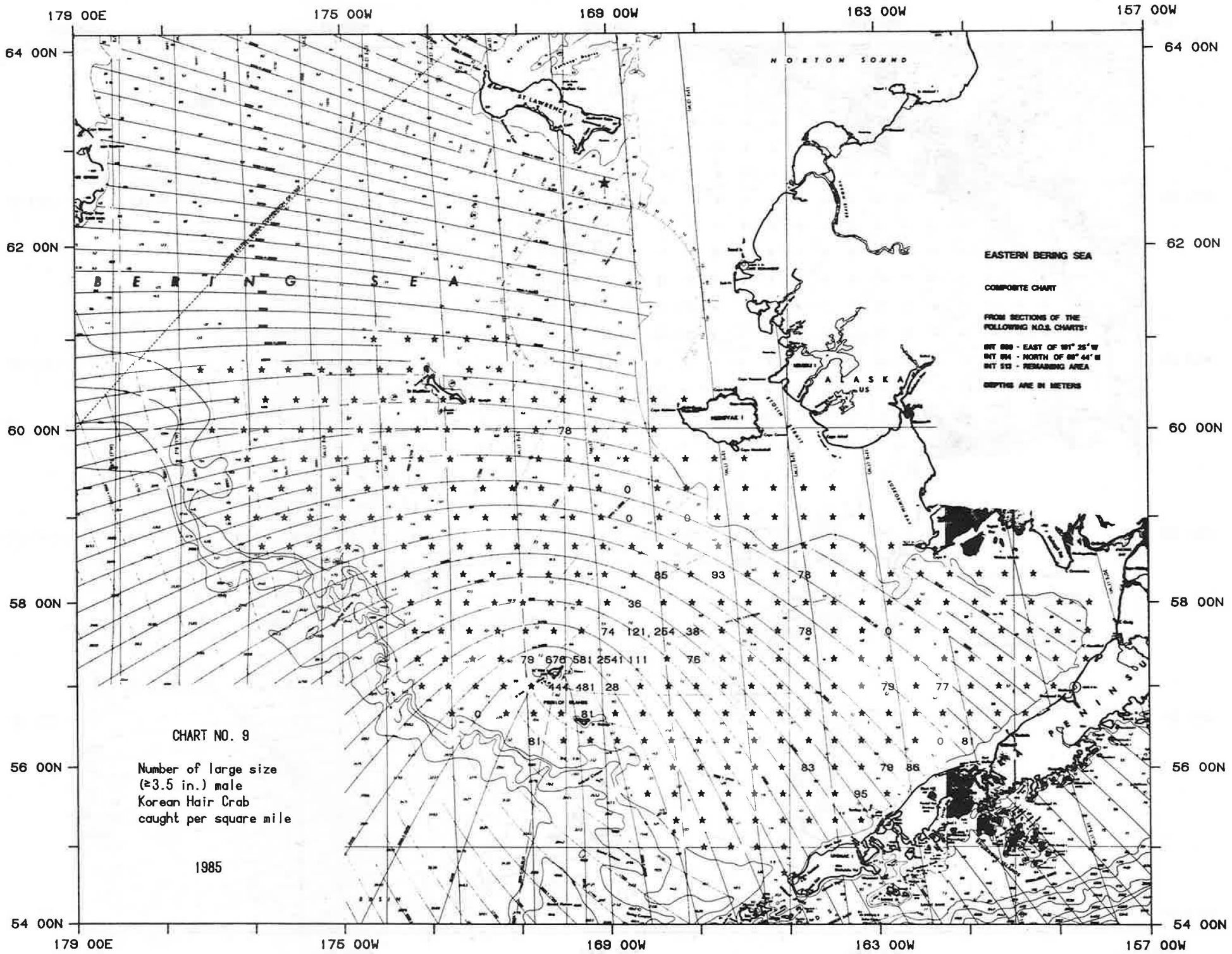

179 00E
175 00W
169 00W
163 00W
157 00W
64 00N
62 00N
60 00N
58 00N
56 00N
54 00N
NORTON SOUND
ST LAWRENCE I
B E R I N G S E A
A L A S K A
EASTERN BERING SEA
COMPOSITE CHART
FROM SECTIONS OF THE FOLLOWING N.O.S. CHARTS:
INT 500 - EAST OF 161° 25' W
INT 514 - NORTH OF 60° 44' N
INT 513 - REMAINING AREA
DEPTHS ARE IN METERS
100
100 0
100 43 14 10 10
0 15 50 23 0
13 34 50
100
0 100 0
100 33 25 57 50
50 37 25 0
100 6
0
CHART NO. 4
Percent legals of all
Blue King Crab
caught per square mile
1985

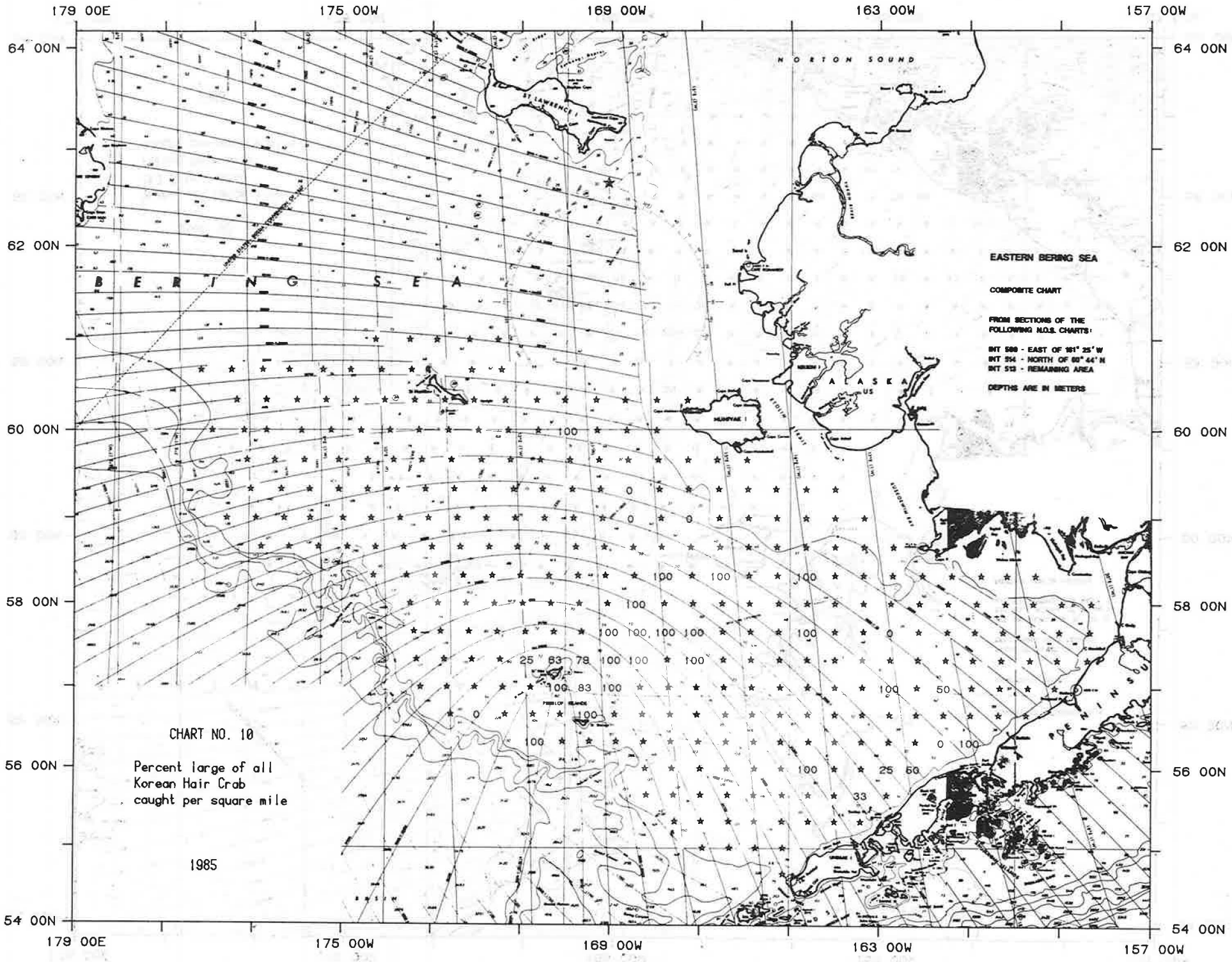

179 00E
175 00W
169 00W
163 00W
157 00W
64 00N
62 00N
60 00N
58 00N
56 00N
54 00N
NORTON SOUND
ST LAWRENCE I
B E R I N G S E A
A L A S K A
EASTERN BERING SEA
COMPOSITE CHART
FROM SECTIONS OF THE
FOLLOWING N.O.S. CHARTS:
INT 500 - EAST OF 161° 25' W
INT 514 - NORTH OF 58° 44' N
INT 513 - REMAINING AREA
DEPTHS ARE IN METERS
CHART NO. 5
Number of legal size
(≥5.5 in.) male
Bairdi Tanner Crab
caught per square mile
1985


179 00E
175 00W
169 00W
163 00W
157 00W
64 00N
62 00N
60 00N
58 00N
56 00N
54 00N
B E R I N G S E A
N O R T O N S O U N D
ST LAWRENCE I
A L A S K A
US
EASTERN BERING SEA
COMPOSITE CHART
FROM SECTIONS OF THE
FOLLOWING N.O.S. CHARTS:
INT 500 - EAST OF 161° 25' W
INT 514 - NORTH OF 60° 44' N
INT 513 - REMAINING AREA
DEPTHS ARE IN METERS
CHART NO. 6
Percent legals of all
Bairdi Tanner Crab
caught per square mile
1985


179 00E
175 00W
169 00W
163 00W
157 00W
64 00N
62 00N
60 00N
58 00N
56 00N
54 00N
NORTON SOUND
ST LAWRENCE I
B E R I N G S E A
A L A S K A
HUMMOCK I
EASTERN BERING SEA
COMPOSITE CHART
FROM SECTIONS OF THE
FOLLOWING N.O.S. CHARTS:
INT 508 - EAST OF 161° 25' W
INT 514 - NORTH OF 58° 44' N
INT 513 - REMAINING AREA
DEPTHS ARE IN METERS
CHART NO. 7
Tens of large size
(≥4.3 in.) male Opilio
and Hybrid Tanner Crab
caught per square mile
1985


179 00E
175 00W
169 00W
163 00W
157 00W
64 00N
62 00N
60 00N
58 00N
56 00N
54 00N
NORTON SOUND
ST LAWRENCE I
B E R I N G S E A
A L A S K A
EASTERN BERING SEA
COMPOSITE CHART
FROM SECTIONS OF THE FOLLOWING N.O.S. CHARTS:
INT 500 - EAST OF 161° 25' W
INT 514 - NORTH OF 60° 44' N
INT 513 - REMAINING AREA
DEPTHS ARE IN METERS
CHART NO. 8
Percent large of all
Opilio and Hybrid
Tanner Crab
caught per square mile
1985


179 00E
175 00W
169 00W
163 00W
157 00W
64 00N
62 00N
60 00N
58 00N
56 00N
54 00N
NORTON SOUND
ST LAWRENCE I
B E R I N G S E A
A L A S K A
US
NUNIVAK I
EASTERN BERING SEA
COMPOSITE CHART
FROM SECTIONS OF THE
FOLLOWING N.O.S. CHARTS:
INT 513 - REMAINING AREA
DEPTHS ARE IN METERS
78
0
0
0
85
93
78
36
74
121
254
38
78
0
79
676
581
2541
111
76
444
481
28
79
77
0
81
81
0
81
83
79
86
95
CHART NO. 9
Number of large size
(≥3.5 in.) male
Korean Hair Crab
caught per square mile
1985


179 00E
175 00W
169 00W
163 00W
157 00W
64 00N
62 00N
60 00N
58 00N
56 00N
54 00N
NORTON SOUND
ST LAWRENCE I
B E R I N G S E A
A L A S K A
US
HOOPER BAY
NUNIVAK I
EASTERN BERING SEA
COMPOSITE CHART
FROM SECTIONS OF THE FOLLOWING N.O.S. CHARTS:
INT 500 - EAST OF 161° 25' W
INT 514 - NORTH OF 60° 44' N
INT 513 - REMAINING AREA
DEPTHS ARE IN METERS
CHART NO. 10
Percent large of all Korean Hair Crab caught per square mile
1985

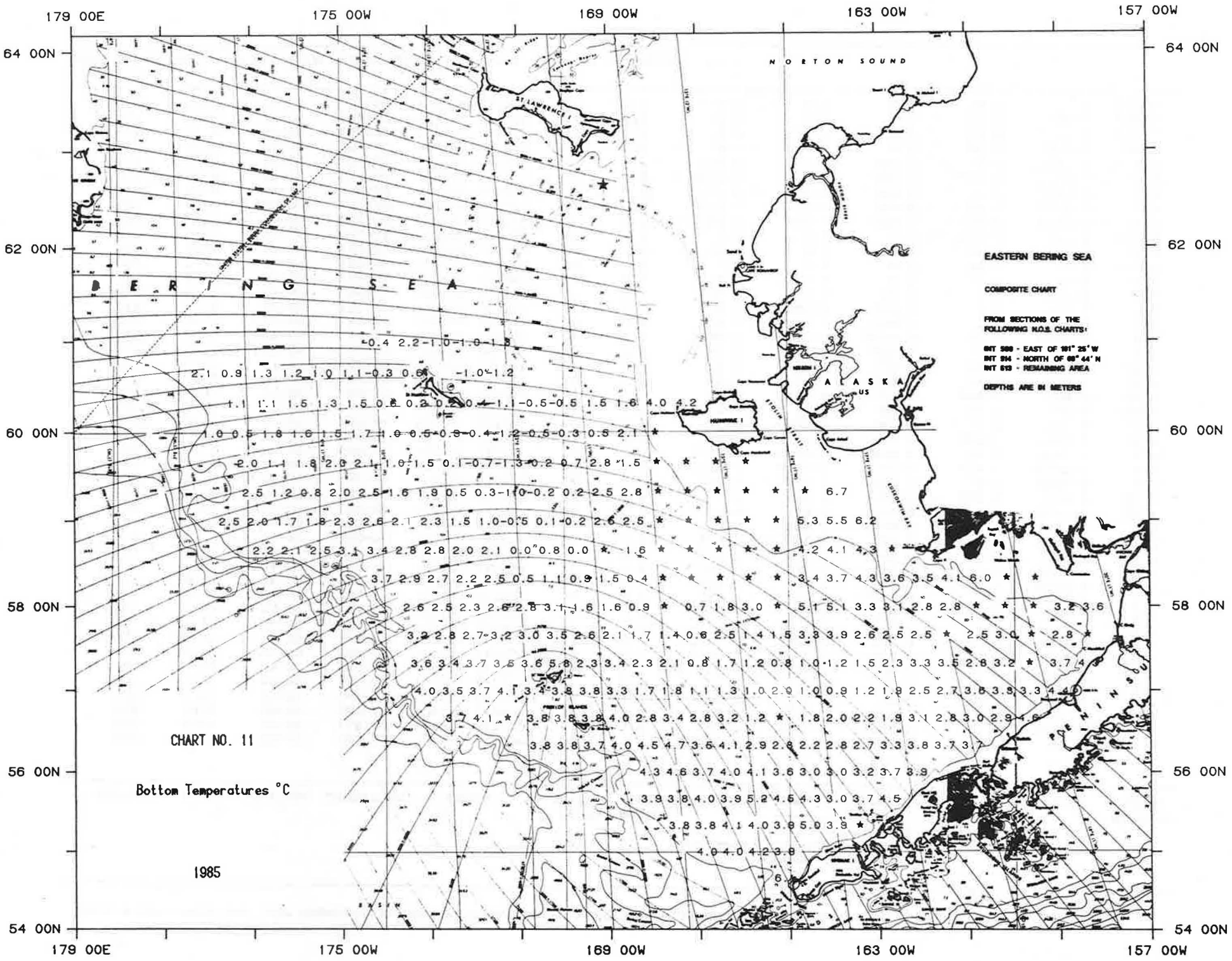

179 00E
175 00W
169 00W
163 00W
157 00W
64 00N
62 00N
60 00N
58 00N
56 00N
54 00N
N O R T O N S O U N D
B E R I N G S E A
A L A S K A
EASTERN BERING SEA
COMPOSITE CHART
FROM SECTIONS OF THE FOLLOWING N.O.S. CHARTS:
INT 500 - EAST OF 161° 25' W
INT 514 - NORTH OF 60° 44' N
INT 513 - REMAINING AREA
DEPTHS ARE IN METERS
CHART NO. 11
Bottom Temperatures °C
1985

TABLE 4 DATA FROM THE 1985 EASTERN BERING SEA TRAWL SURVEY WHERE RED KING CRAB WERE TAKEN

| STATION | DATE | LATITUDE | LONGITUDE | LORAN C | DEPTH FTMS | BOTTOM TEMP | NUMBER PER SQUARE MILE | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MALES (SEE NOTE) | | | | |
| | | | | | | | FEMALES | SMALL | PRERECRUIT | LEGAL | TOTAL | PERCENT LEGAL |
| B08 | 6/26 | 55-19 | 163-26 | Y34248 Z47439 | 28 | | 0.0 | 0.0 | 85.0 | 0.0 | 85.0 | 0.0 |
| C07 | 7/21 | 55-39 | 164-00 | Y34328 Z47653 | 52 | 3.0 | 161.0 | 2016.0 | 968.0 | 0.0 | 3145.0 | 0.0 |
| C08 | 6/26 | 55-38 | 163-24 | Y34177 Z47431 | 42 | 3.2 | 1143.0 | 476.0 | 571.0 | 190.0 | 2381.0 | 8.0 |
| C09 | 6/21 | 55-41 | 162-51 | Y34081 Z47219 | 28 | 4.5 | 75.0 | 0.0 | 0.0 | 0.0 | 75.0 | 0.0 |
| D07 | 7/21 | 55-58 | 163-59 | Y34201 Z47671 | 49 | 3.0 | 0.0 | 0.0 | 73.0 | 0.0 | 73.0 | 0.0 |
| D08 | 6/26 | 55-59 | 163-24 | Y34100 Z47436 | 47 | 2.7 | 83.0 | 83.0 | 500.0 | 83.0 | 750.0 | 11.1 |
| D09 | 6/21 | 56-00 | 162-48 | Y33999 Z47205 | 43 | 3.7 | 5635.0 | 4762.0 | 397.0 | 0.0 | 10794.0 | 0.0 |
| D10 | 6/17 | 56-00 | 162-12 | Y33904 Z46962 | 37 | 3.9 | 603.0 | 431.0 | 603.0 | 431.0 | 2069.0 | 20.8 |
| E06 | 7/25 | 56-19 | 164-37 | Y34222 Z47924 | 47 | 2.2 | 0.0 | 0.0 | 0.0 | 78.0 | 78.0 | 100.0 |
| E07 | 7/21 | 56-20 | 164-00 | Y34114 Z47682 | 46 | 2.8 | 0.0 | 79.0 | 794.0 | 79.0 | 952.0 | 8.3 |
| E08 | 6/26 | 56-19 | 163-23 | Y34013 Z47437 | 46 | 2.2 | 313.0 | 2500.0 | 1719.0 | 0.0 | 4532.0 | 0.0 |
| E09 | 6/21 | 56-20 | 162-48 | Y33910 Z47198 | 42 | 3.3 | 1250.0 | 667.0 | 1000.0 | 83.0 | 3000.0 | 2.8 |
| E10 | 6/17 | 56-19 | 162-12 | Y33823 Z46964 | 41 | 3.8 | 560.0 | 640.0 | 640.0 | 160.0 | 2000.0 | 8.0 |
| E11 | 6/16 | 56-20 | 161-37 | Y33728 Z46730 | 33 | 3.7 | 180.0 | 360.0 | 180.0 | 90.0 | 811.0 | 11.1 |
| E12 | 6/ 9 | 56-20 | 160-58 | Y33629 Z46470 | 28 | 3.7 | 244.0 | 81.0 | 569.0 | 407.0 | 1301.0 | 31.3 |
| F07 | 7/21 | 56-38 | 163-59 | Y34023 Z47677 | 40 | 2.0 | 0.0 | 2389.0 | 1858.0 | 265.0 | 4513.0 | 5.9 |
| F08 | 6/26 | 56-39 | 163-22 | Y33915 Z47429 | 40 | 1.7 | 0.0 | 165.0 | 1157.0 | 826.0 | 2149.0 | 38.4 |
| F09 | 6/21 | 56-40 | 162-46 | Y33811 Z47187 | 38 | 1.9 | 0.0 | 88.0 | 265.0 | 265.0 | 619.0 | 42.8 |
| F10 | 6/17 | 56-39 | 162-11 | Y33724 Z46950 | 38 | 3.1 | 450.0 | 180.0 | 450.0 | 0.0 | 1081.0 | 0.0 |
| F11 | 6/16 | 56-40 | 161-36 | Y33630 Z46715 | 47 | 2.8 | 3778.0 | 2000.0 | 741.0 | 296.0 | 6815.0 | 4.3 |
| F12 | 6/ 9 | 56-39 | 160-56 | Y33535 Z46451 | 36 | 3.0 | 1212.0 | 1970.0 | 833.0 | 76.0 | 4091.0 | 1.9 |
| F13 | 6/ 9 | 56-39 | 160-22 | Y33455 Z46222 | 31 | 2.9 | 342.0 | 411.0 | 1027.0 | 205.0 | 1986.0 | 10.3 |
| F14 | 6/10 | 56-39 | 159-46 | Y33371 Z45979 | 18 | 4.6 | 93.0 | 185.0 | 463.0 | 0.0 | 741.0 | 0.0 |
| G07 | 7/22 | 57-00 | 163-58 | Y33908 Z47663 | 36 | .9 | 0.0 | 0.0 | 85.0 | 85.0 | 169.0 | 50.3 |
| G08 | 6/27 | 57-00 | 163-23 | Y33806 Z47426 | 35 | .7 | 81.0 | 0.0 | 163.0 | 244.0 | 488.0 | 50.0 |
| G09 | 6/20 | 57-00 | 162-46 | Y33705 Z47180 | 31 | 1.9 | 0.0 | 159.0 | 159.0 | 79.0 | 397.0 | 19.9 |
| G10 | 6/17 | 57-00 | 162-08 | Y33606 Z46924 | 31 | 2.5 | 94.0 | 94.0 | 189.0 | 94.0 | 471.0 | 20.0 |
| G11 | 6/16 | 57-00 | 161-33 | Y33520 Z46690 | 37 | 2.7 | 4000.0 | 3077.0 | 692.0 | 0.0 | 7769.0 | 0.0 |
| G12 | 6/14 | 57-00 | 160-55 | Y33426 Z46432 | 36 | 3.6 | 1068.0 | 1942.0 | 1359.0 | 97.0 | 4466.0 | 2.2 |
| G13 | 6/14 | 57-00 | 160-20 | Y33340 Z46196 | 34 | 3.3 | 609.0 | 783.0 | 609.0 | 0.0 | 2000.0 | 0.0 |
| G14 | 6/10 | 56-59 | 159-42 | Y33264 Z45947 | 29 | 3.3 | 102.0 | 306.0 | 510.0 | 0.0 | 918.0 | 0.0 |
| G15 | 6/10 | 57-00 | 159-11 | Y33190 Z45736 | 17 | 4.4 | 96.0 | 0.0 | 96.0 | 0.0 | 192.0 | 0.0 |
| H01 | 7/30 | 57-20 | 167-43 | Y34498 Z49155 | 39 | 2.1 | 78.0 | 0.0 | 0.0 | 0.0 | 78.0 | 0.0 |
| H07 | 7/22 | 57-19 | 163-58 | Y33793 Z47654 | 33 | 1.2 | 0.0 | 0.0 | 0.0 | 78.0 | 78.0 | 100.0 |
| H08 | 6/27 | 57-18 | 163-23 | Y33698 Z47414 | 28 | 1.0 | 85.0 | 0.0 | 85.0 | 85.0 | 254.0 | 33.5 |
| H09 | 6/20 | 57-21 | 162-46 | Y33586 Z47167 | 25 | 2.3 | 0.0 | 0.0 | 0.0 | 157.0 | 157.0 | 100.0 |
| H10 | 6/17 | 57-20 | 162-08 | Y33493 Z46915 | 26 | 3.3 | 455.0 | 682.0 | 455.0 | 152.0 | 1743.0 | 8.7 |
| H11 | 6/16 | 57-20 | 161-30 | Y33400 Z46664 | 30 | 3.5 | 2035.0 | 1150.0 | 354.0 | 88.0 | 3628.0 | 2.4 |
| H12 | 6/14 | 57-19 | 160-55 | Y33320 Z46428 | 34 | 2.8 | 2000.0 | 182.0 | 545.0 | 0.0 | 2727.0 | 0.0 |
| H13 | 6/13 | 57-16 | 160-22 | Y33264 Z46210 | 32 | 3.2 | 2400.0 | 720.0 | 480.0 | 160.0 | 3760.0 | 4.3 |
| H14 | 6/11 | 57-20 | 159-37 | Y33137 Z45909 | 30 | | 137.0 | 137.0 | 205.0 | 0.0 | 479.0 | 0.0 |
| H15 | 6/10 | 57-19 | 159-03 | Y33074 Z45679 | 25 | 3.7 | 0.0 | 242.0 | 0.0 | 81.0 | 323.0 | 25.1 |
| H18 | 8/ 4 | 57-19 | 168-22 | Y34641 Z49412 | 40 | 2.0 | 0.0 | 0.0 | 0.0 | 74.0 | 74.0 | 100.0 |
| H19 | 7/15 | 57-20 | 168-59 | Y34767 Z49654 | 37 | 2.8 | 0.0 | 0.0 | 0.0 | 82.0 | 82.0 | 100.0 |
| I08 | 6/27 | 57-38 | 163-22 | Y33569 Z47395 | 24 | 2.1 | 0.0 | 0.0 | 0.0 | 76.0 | 76.0 | 100.0 |

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

TABLE 4 DATA FROM THE 1985 EASTERN BERING SEA TRAWL SURVEY WHERE RED KING CRAB WERE TAKEN (CONTINUED)

| STATION | DATE | LATITUDE | LONGITUDE | LORAN C | DEPTH FTMS | BOTTOM TEMP | NUMBER PER SQUARE MILE | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MALES (SEE NOTE) | | | | |
| | | | | | | | FEMALES | SMALL | PRERECRUIT | LEGAL | TOTAL | PERCENT LEGAL |
| I09 | 6/20 | 57-40 | 162-45 | Y33460 Z47148 | 23 | 2.5 | 83.0 | 0.0 | 165.0 | 0.0 | 248.0 | 0.0 |
| I10 | 6/18 | 57-41 | 162-06 | Y33361 Z46893 | 25 | 2.5 | 438.0 | 73.0 | 438.0 | 219.0 | 1168.0 | 18.8 |
| I11 | 6/16 | 57-40 | 161-30 | Y33276 Z46655 | 28 | . | 156.0 | 625.0 | 0.0 | 78.0 | 859.0 | 9.1 |
| I12 | 6/15 | 57-41 | 160-51 | Y33181 Z46392 | 30 | 2.5 | 2547.0 | 2547.0 | 1132.0 | 94.0 | 6321.0 | 1.5 |
| I13 | 6/13 | 57-40 | 160-15 | Y32968 Z46122 | 28 | 3.0 | 481.0 | 385.0 | 288.0 | 96.0 | 1250.0 | 7.7 |
| I14 | 6/11 | 57-39 | 159-37 | Y33032 Z45906 | 27 | . | 160.0 | 0.0 | 480.0 | 80.0 | 720.0 | 11.1 |
| I16 | 6/ 8 | 57-37 | 158-22 | X18735 Z45403 | 18 | . | 118.0 | 0.0 | 118.0 | 0.0 | 236.0 | 0.0 |
| J08 | 6/27 | 57-58 | 163-21 | Y33431 Z47373 | 22 | 2.8 | 74.0 | 0.0 | 0.0 | 0.0 | 74.0 | 0.0 |
| J09 | 6/18 | 58-01 | 162-44 | Y33321 Z47127 | 20 | 3.1 | 72.0 | 0.0 | 145.0 | 217.0 | 434.0 | 50.0 |
| J10 | 6/18 | 58-00 | 162-06 | Y33231 Z46882 | 20 | 2.8 | 0.0 | 72.0 | 0.0 | 72.0 | 144.0 | 50.0 |
| J11 | 6/15 | 58-00 | 161-33 | Y33155 Z46666 | 29 | 2.8 | 459.0 | 459.0 | 367.0 | 92.0 | 1376.0 | 6.7 |
| J12 | 6/15 | 57-59 | 160-49 | Y33061 Z46380 | 23 | . | 179.0 | 625.0 | 714.0 | 179.0 | 1697.0 | 10.5 |
| J13 | 6/13 | 57-59 | 160-13 | Y32968 Z46122 | 27 | . | 0.0 | 160.0 | 0.0 | 0.0 | 160.0 | 0.0 |
| J14 | 6/11 | 57-59 | 159-36 | Y32911 Z45899 | 22 | . | 0.0 | 84.0 | 0.0 | 0.0 | 84.0 | 0.0 |
| K01 | 7/ 3 | 58-20 | 167-46 | Y33986 Z48994 | 32 | . | 0.0 | 0.0 | 85.0 | 0.0 | 85.0 | 0.0 |
| K09 | 6/18 | 58-20 | 162-39 | Y33173 Z47083 | 16 | 3.6 | 0.0 | 82.0 | 0.0 | 0.0 | 82.0 | 0.0 |
| K11 | 6/15 | 58-18 | 161-23 | Y33009 Z46595 | 19 | 4.1 | 0.0 | 0.0 | 87.0 | 0.0 | 87.0 | 0.0 |
| K12 | 6/15 | 58-16 | 160-45 | Y32942 Z46350 | 14 | 6.0 | 0.0 | 90.0 | 270.0 | 0.0 | 360.0 | 0.0 |
| K13 | 6/11 | 58-12 | 160-04 | Y32881 Z46079 | 14 | . | 0.0 | 0.0 | 105.0 | 0.0 | 105.0 | 0.0 |
| K14 | 6/11 | 58-16 | 159-35 | Y32802 Z45894 | 13 | . | 0.0 | 0.0 | 78.0 | 0.0 | 78.0 | 0.0 |
| L07 | 6/28 | 58-42 | 163-59 | Y33189 Z47557 | 17 | 3.6 | 0.0 | 87.0 | 0.0 | 0.0 | 87.0 | 0.0 |
| M03 | 7/ 2 | 59-00 | 166-35 | Y33388 Z48436 | 17 | . | 0.0 | 0.0 | 0.0 | 81.0 | 81.0 | 100.0 |
| N01 | 7/ 3 | 59-19 | 167-56 | Y33358 Z48781 | 20 | . | 0.0 | 0.0 | 88.0 | 0.0 | 88.0 | 0.0 |
| P18 | 7/ 5 | 60-00 | 168-40 | Y32933 Z48770 | 20 | 2.1 | 0.0 | 0.0 | 0.0 | 85.0 | 85.0 | 100.0 |

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

TABLE 5 DATA FROM THE 1985 EASTERN BERING SEA TRAWL SURVEY WHERE BLUE KING CRAB WERE TAKEN

| STATION | DATE | LATITUDE | LONGITUDE | LORAN C | DEPTH FTMS | BOTTOM TEMP | NUMBER PER SQUARE MILE | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MALES (SEE NOTE) | | | | |
| | | | | | | | FEMALES | SMALL | PRERECRUIT | LEGAL | TOTAL | PERCENT LEGAL |
| F20 | 8/ 9 | 56-42 | 169-30 | Y35056 Z49839 | 41 | 3.8 | 81.0 | 0.0 | 0.0 | 0.0 | 81.0 | 0.0 |
| G20 | 8/ 9 | 57-00 | 169-34 | Y35021 Z49905 | 33 | 3.1 | 552.0 | 0.0 | 69.0 | 0.0 | 621.0 | 0.0 |
| G20 | 8/ 3 | 57-09 | 169-18 | Y34918 Z49799 | 38 | 3.6 | 382.0 | 153.0 | 0.0 | 76.0 | 611.0 | 12.4 |
| G21 | 8/11 | 56-58 | 170-08 | X18679 Y35130 | 40 | 3.9 | 0.0 | 0.0 | 0.0 | 81.0 | 81.0 | 100.0 |
| H19 | 8/ 4 | 57-19 | 168-59 | Y34777 Z49659 | 37 | 3.3 | 738.0 | 0.0 | 164.0 | 164.0 | 1066.0 | 15.4 |
| H19 | 7/15 | 57-20 | 168-59 | Y34767 Z49654 | 37 | 2.8 | 738.0 | 0.0 | 82.0 | 410.0 | 1230.0 | 33.3 |
| H20 | 8/ 8 | 57-19 | 169-36 | Y34909 Z49899 | 33 | 2.3 | 376.0 | 0.0 | 0.0 | 226.0 | 602.0 | 37.5 |
| H21 | 8/ 7 | 57-20 | 170-15 | X18699 Y35000 | 30 | 5.9 | 100.0 | 0.0 | 0.0 | 100.0 | 200.0 | 50.0 |
| I18 | 8/ 4 | 57-30 | 168-45 | Y34640 Z49535 | 38 | 2.2 | 80.0 | 0.0 | 0.0 | 80.0 | 160.0 | 50.0 |
| I19 | 8/ 4 | 57-29 | 169-12 | Y34735 Z49710 | 38 | 2.2 | 82.0 | 0.0 | 164.0 | 164.0 | 410.0 | 40.0 |
| I19 | 7/15 | 57-40 | 169-02 | Y34595 Z49602 | 36 | 1.7 | 0.0 | 0.0 | 0.0 | 121.0 | 121.0 | 100.0 |
| I20 | 8/ 8 | 57-39 | 169-36 | Y34698 Z49795 | 37 | 2.0 | 0.0 | 0.0 | 79.0 | 79.0 | 157.0 | 50.3 |
| I20 | 8/ 8 | 57-29 | 169-59 | Y34867 Z49974 | 36 | 3.2 | 145.0 | 0.0 | 0.0 | 0.0 | 145.0 | 0.0 |
| I21 | 8/ 7 | 57-36 | 170-16 | X18630 Y34803 | 38 | 3.5 | 0.0 | 0.0 | 175.0 | 88.0 | 263.0 | 33.5 |
| I22 | 8/12 | 57-39 | 170-53 | X18462 Y34753 | 45 | 3.0 | 0.0 | 0.0 | 0.0 | 81.0 | 81.0 | 100.0 |
| J18 | 8/ 4 | 57-49 | 168-44 | Y34453 Z49455 | 38 | 1.0 | 0.0 | 68.0 | 68.0 | 0.0 | 136.0 | 0.0 |
| J18 | 8/ 4 | 57-59 | 168-26 | Y34301 Z49310 | 37 | .7 | 76.0 | 0.0 | 0.0 | 0.0 | 76.0 | 0.0 |
| J19 | 8/ 4 | 57-59 | 169-05 | Y34401 Z49524 | 36 | 1.4 | 0.0 | 0.0 | 0.0 | 74.0 | 74.0 | 100.0 |
| J21 | 8/ 5 | 57-50 | 170-36 | Y34636 Z49953 | 41 | 3.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| J21 | 8/ 5 | 58-00 | 170-18 | Y34514 Z49838 | 39 | 2.3 | 0.0 | 0.0 | 79.0 | 0.0 | 79.0 | 0.0 |
| N25 | 7/ 9 | 59-18 | 173-08 | Y33544 Z49708 | 54 | 1.4 | 0.0 | 0.0 | 0.0 | 79.0 | 79.0 | 100.0 |
| O24 | 7/11 | 59-29 | 172-52 | Y33431 Z49629 | 51 | .7 | 0.0 | 0.0 | 0.0 | 149.0 | 149.0 | 100.0 |
| O25 | 7/ 9 | 59-39 | 173-15 | Y33321 Z49616 | 51 | 1.0 | 0.0 | 0.0 | 0.0 | 159.0 | 159.0 | 100.0 |
| O25 | 7/ 9 | 59-29 | 173-29 | Y33410 Z49679 | 55 | 1.0 | 0.0 | 0.0 | 0.0 | 79.0 | 79.0 | 100.0 |
| O26 | 7/15 | 59-40 | 173-53 | Y33291 Z49659 | 57 | 1.0 | 0.0 | 77.0 | 77.0 | 462.0 | 615.0 | 75.1 |
| P23 | 7/11 | 59-49 | 172-14 | Y33214 Z49461 | 41 | -1.1 | 0.0 | 79.0 | 0.0 | 0.0 | 79.0 | 0.0 |
| P23 | 7/11 | 60-00 | 171-57 | Y33089 Z49369 | 36 | -.7 | 161.0 | 0.0 | 0.0 | 0.0 | 161.0 | 0.0 |
| P24 | 7/12 | 59-50 | 172-55 | Y33202 Z49530 | 44 | -1.0 | 0.0 | 0.0 | 0.0 | 81.0 | 81.0 | 100.0 |
| P24 | 7/12 | 59-59 | 172-38 | Y33102 Z49455 | 35 | -.7 | 0.0 | 156.0 | 234.0 | 547.0 | 938.0 | 58.3 |
| P25 | 7/10 | 59-59 | 173-18 | Y33101 Z49521 | 41 | -.7 | 0.0 | 88.0 | 88.0 | 351.0 | 526.0 | 66.7 |
| P25 | 7/ 9 | 59-49 | 173-34 | Y33205 Z49593 | 51 | .7 | 0.0 | 0.0 | 82.0 | 82.0 | 164.0 | 50.0 |
| P26 | 7/15 | 59-49 | 174-14 | Y33179 Z49639 | 58 | | 0.0 | 76.0 | 153.0 | 458.0 | 687.0 | 66.7 |
| P26 | 7/14 | 60-00 | 173-57 | Y33081 Z49572 | 53 | 1.0 | 0.0 | 0.0 | 299.0 | 522.0 | 821.0 | 63.6 |
| P27 | 7/ 7 | 60-00 | 174-37 | Y33059 Z49616 | 58 | 1.2 | 0.0 | 86.0 | 0.0 | 0.0 | 86.0 | 0.0 |
| Q23 | 7/10 | 60-10 | 172-13 | Y32978 Z49352 | 31 | .2 | 190.0 | 190.0 | 0.0 | 0.0 | 380.0 | 0.0 |
| Q23 | 7/10 | 60-19 | 172-03 | Y32866 Z49282 | 32 | -.5 | 0.0 | 246.0 | 82.0 | 164.0 | 492.0 | 33.3 |
| Q24 | 7/12 | 60-10 | 173-01 | Y32979 Z49439 | 32 | .2 | 569.0 | 894.0 | 0.0 | 163.0 | 1626.0 | 10.0 |
| Q25 | 7/10 | 60-18 | 173-25 | Y32886 Z49436 | 83 | .2 | 325.0 | 407.0 | 325.0 | 325.0 | 1382.0 | 23.5 |
| Q25 | 7/10 | 60-09 | 173-34 | Y32989 Z49496 | 39 | -.7 | 0.0 | 175.0 | 88.0 | 88.0 | 351.0 | 25.1 |
| Q26 | 7/14 | 60-10 | 174-21 | Y32970 Z49555 | 54 | .7 | 0.0 | 78.0 | 78.0 | 391.0 | 547.0 | 71.5 |
| Q27 | 7/ 7 | 60-20 | 174-44 | Y32856 Z49535 | 55 | 1.0 | 0.0 | 0.0 | 0.0 | 82.0 | 82.0 | 100.0 |
| R25 | 7/ 6 | 60-40 | 173-28 | Y32653 Z49339 | 34 | .0 | 79.0 | 79.0 | 0.0 | 79.0 | 236.0 | 33.5 |
| R26 | 7/14 | 60-40 | 174-09 | Y32654 Z49400 | 47 | -.3 | 0.0 | 0.0 | 0.0 | 78.0 | 78.0 | 100.0 |
| S24 | 7/13 | 60-59 | 172-49 | Y32428 Z49178 | 36 | -1.0 | 0.0 | 0.0 | 0.0 | 79.0 | 79.0 | 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 1985 EASTERN BERING SEA TRAWL SURVEY WHERE BAIRDI TANNER CRAB WERE TAKEN

| STATION | DATE | LATITUDE | LONGITUDE | LORAN C | DEPTH FTMS | BOTTOM TEMP | NUMBER PER SQUARE MILE | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MALES (SEE NOTE) | | | | |
| | | | | | | | FEMALES | SMALL | PRERECRUIT | LEGAL | TOTAL | PERCENT LEGAL |
| A02 | 8/ 1 | 55-00 | 166-56 | Y34823 Z48680 | 86 | 4.0 | 526.0 | 150.0 | 226.0 | 0.0 | 902.0 | 0.0 |
| A03 | 7/27 | 55-00 | 166-18 | Y34735 Z48465 | 78 | 4.0 | 2397.0 | 1570.0 | 331.0 | 0.0 | 4298.0 | 0.0 |
| A04 | 7/27 | 54-59 | 165-45 | Y34655 Z48270 | 71 | 4.2 | 1587.0 | 635.0 | 79.0 | 0.0 | 2301.0 | 0.0 |
| A05 | 7/26 | 55-01 | 165-08 | Y34561 Z48053 | 60 | 3.9 | 0.0 | 80.0 | 320.0 | 240.0 | 640.0 | 37.5 |
| B01 | 8/ 2 | 55-21 | 167-33 | Y34880 Z48936 | 81 | 3.8 | 465.0 | 310.0 | 155.0 | 0.0 | 930.0 | 0.0 |
| B02 | 8/ 1 | 55-20 | 166-58 | Y34797 Z48737 | 76 | 3.8 | 320.0 | 560.0 | 80.0 | 0.0 | 960.0 | 0.0 |
| B03 | 7/27 | 55-19 | 166-20 | Y34705 Z48516 | 72 | 4.1 | 1017.0 | 1441.0 | 85.0 | 85.0 | 2627.0 | 3.2 |
| B04 | 7/27 | 55-19 | 165-48 | Y34621 Z48325 | 65 | 4.0 | 806.0 | 484.0 | 161.0 | 0.0 | 1451.0 | 0.0 |
| B05 | 7/26 | 55-20 | 165-09 | Y34518 Z48087 | 60 | 3.9 | 84.0 | 0.0 | 0.0 | 84.0 | 168.0 | 50.0 |
| B06 | 7/26 | 55-20 | 164-33 | Y34420 Z47861 | 54 | 5.0 | 172.0 | 259.0 | 172.0 | 86.0 | 689.0 | 12.5 |
| B08 | 6/26 | 55-19 | 163-26 | Y34248 Z47439 | 28 | . | 508.0 | 678.0 | 0.0 | 0.0 | 1186.0 | 0.0 |
| C01 | 8/ 2 | 55-39 | 167-35 | Y34855 Z48995 | 73 | 3.8 | 159.0 | 79.0 | 79.0 | 0.0 | 318.0 | 0.0 |
| C02 | 8/ 1 | 55-40 | 166-59 | Y34762 Z48790 | 73 | 4.0 | 236.0 | 394.0 | 157.0 | 0.0 | 787.0 | 0.0 |
| C03 | 7/28 | 55-39 | 166-21 | Y34658 Z48554 | 68 | 3.9 | 168.0 | 1261.0 | 168.0 | 84.0 | 1681.0 | 5.0 |
| C04 | 7/27 | 55-39 | 165-47 | Y34567 Z48346 | 64 | 5.2 | 90.0 | 270.0 | 0.0 | 0.0 | 360.0 | 0.0 |
| C05 | 7/25 | 55-40 | 165-10 | Y34461 Z48114 | 59 | 4.5 | 0.0 | 83.0 | 0.0 | 0.0 | 83.0 | 0.0 |
| C06 | 7/26 | 55-39 | 164-36 | Y34370 Z47899 | 52 | 4.3 | 0.0 | 292.0 | 0.0 | 0.0 | 292.0 | 0.0 |
| C07 | 7/21 | 55-39 | 164-00 | Y34328 Z47653 | 52 | 3.0 | 161.0 | 484.0 | 806.0 | 161.0 | 1613.0 | 10.0 |
| C08 | 6/26 | 55-38 | 163-24 | Y34177 Z47431 | 42 | 3.2 | 286.0 | 571.0 | 381.0 | 95.0 | 1334.0 | 7.1 |
| C09 | 6/21 | 55-41 | 162-51 | Y34081 Z47219 | 28 | 4.5 | 75.0 | 0.0 | 75.0 | 0.0 | 150.0 | 0.0 |
| C18 | 8/ 2 | 55-40 | 168-10 | Y34940 Z49194 | 73 | 3.9 | 72.0 | 72.0 | 0.0 | 72.0 | 216.0 | 33.3 |
| D01 | 8/ 2 | 56-00 | 167-37 | Y34823 Z49061 | 72 | 4.6 | 345.0 | 690.0 | 86.0 | 86.0 | 1207.0 | 7.1 |
| D02 | 8/ 1 | 56-00 | 167-00 | Y34715 Z48832 | 73 | 3.7 | 234.0 | 625.0 | 0.0 | 78.0 | 937.0 | 8.3 |
| D03 | 7/28 | 55-59 | 166-24 | Y34613 Z48605 | 67 | 4.0 | 268.0 | 536.0 | 89.0 | 89.0 | 982.0 | 9.1 |
| D04 | 7/28 | 55-59 | 165-47 | Y34504 Z48367 | 57 | 4.1 | 530.0 | 530.0 | 0.0 | 0.0 | 1060.0 | 0.0 |
| D06 | 7/25 | 56-00 | 164-33 | Y34286 Z47891 | 50 | 3.0 | 248.0 | 331.0 | 0.0 | 0.0 | 579.0 | 0.0 |
| D07 | 7/21 | 55-58 | 163-59 | Y34201 Z47671 | 49 | 3.0 | 146.0 | 365.0 | 0.0 | 73.0 | 584.0 | 12.5 |
| D08 | 6/26 | 55-59 | 163-24 | Y34100 Z47436 | 47 | 2.7 | 333.0 | 417.0 | 250.0 | 167.0 | 1166.0 | 14.3 |
| D09 | 6/21 | 56-00 | 162-48 | Y33999 Z47205 | 43 | 3.7 | 79.0 | 635.0 | 714.0 | 159.0 | 1587.0 | 10.0 |
| D10 | 6/17 | 56-00 | 162-12 | Y33904 Z46962 | 37 | 3.9 | 345.0 | 3534.0 | 690.0 | 86.0 | 4655.0 | 1.8 |
| D18 | 8/ 2 | 56-00 | 168-11 | Y34913 Z49260 | 80 | 4.3 | 88.0 | 619.0 | 0.0 | 0.0 | 707.0 | 0.0 |
| E01 | 8/ 2 | 56-19 | 167-39 | Y34777 Z49109 | 71 | 4.7 | 310.0 | 310.0 | 78.0 | 78.0 | 775.0 | 10.1 |
| E02 | 7/31 | 56-19 | 167-02 | Y34660 Z48872 | 62 | 3.5 | 0.0 | 78.0 | 78.0 | 0.0 | 155.0 | 0.0 |
| E03 | 7/28 | 56-20 | 166-25 | Y34546 Z48636 | 55 | 4.1 | 79.0 | 79.0 | 0.0 | 0.0 | 158.0 | 0.0 |
| E04 | 7/28 | 56-19 | 165-47 | Y34431 Z48390 | 50 | 2.9 | 152.0 | 227.0 | 0.0 | 0.0 | 379.0 | 0.0 |
| E05 | 7/25 | 56-20 | 165-13 | Y34323 Z48161 | 46 | 2.8 | 862.0 | 948.0 | 0.0 | 0.0 | 1810.0 | 0.0 |
| E06 | 7/25 | 56-19 | 164-37 | Y34222 Z47924 | 47 | 2.2 | 625.0 | 859.0 | 0.0 | 0.0 | 1484.0 | 0.0 |
| E08 | 6/26 | 56-19 | 163-23 | Y34013 Z47437 | 46 | 2.2 | 391.0 | 234.0 | 0.0 | 78.0 | 704.0 | 11.1 |
| E09 | 6/21 | 56-20 | 162-48 | Y33910 Z47198 | 42 | 3.3 | 83.0 | 83.0 | 0.0 | 0.0 | 166.0 | 0.0 |
| E10 | 6/17 | 56-19 | 162-12 | Y33823 Z46964 | 41 | 3.8 | 480.0 | 720.0 | 320.0 | 0.0 | 1520.0 | 0.0 |
| E11 | 6/16 | 56-20 | 161-37 | Y33728 Z46730 | 33 | 3.7 | 1982.0 | 270.0 | 901.0 | 541.0 | 3694.0 | 14.6 |
| E12 | 6/ 9 | 56-20 | 160-58 | Y33629 Z46470 | 28 | 3.7 | 1138.0 | 407.0 | 407.0 | 325.0 | 2276.0 | 14.3 |
| E18 | 8/ 1 | 56-20 | 168-14 | Y34882 Z49330 | 83 | 4.5 | 93.0 | 748.0 | 935.0 | 187.0 | 1962.0 | 9.5 |
| E19 | 8/ 1 | 56-20 | 168-52 | Y34988 Z49556 | 69 | 4.0 | 169.0 | 424.0 | 339.0 | 0.0 | 932.0 | 0.0 |
| E20 | 8/ 9 | 56-22 | 169-26 | Y35068 Z49743 | 72 | 3.7 | 0.0 | 76.0 | 0.0 | 0.0 | 76.0 | 0.0 |

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

TABLE 6 DATA FROM THE 1985 EASTERN BERING SEA TRAWL SURVEY WHERE BAIRDI TANNER CRAB WERE TAKEN (CONTINUED)

| STATION | DATE | LATITUDE | LONGITUDE | LORAN C | DEPTH FTMS | BOTTOM TEMP | NUMBER PER SQUARE MILE | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MALES (SEE NOTE) | | | | |
| | | | | | | | FEMALES | SMALL | PRERECRUIT | LEGAL | TOTAL | PERCENT LEGAL |
| E21 | 8/10 | 56-20 | 170-04 | Y35126 Z49899 | 59 | 3.8 | 0.0 | 80.0 | 400.0 | 160.0 | 640.0 | 25.0 |
| E22 | 8/11 | 56-20 | 170-41 | X18268 Y35136 | 66 | 3.8 | 650.0 | 813.0 | 0.0 | 81.0 | 1544.0 | 5.2 |
| F02 | 7/30 | 56-39 | 167-04 | Y34589 Z48904 | 51 | 2.8 | 69.0 | 69.0 | 0.0 | 0.0 | 138.0 | 0.0 |
| F03 | 7/28 | 56-39 | 166-26 | Y34468 Z48657 | 45 | 3.2 | 584.0 | 365.0 | 0.0 | 0.0 | 949.0 | 0.0 |
| F04 | 7/28 | 56-40 | 165-49 | Y34345 Z48411 | 42 | 1.2 | 606.0 | 1061.0 | 152.0 | 0.0 | 1818.0 | 0.0 |
| F05 | 7/24 | 56-40 | 165-11 | Y34229 Z48156 | 40 | . | 296.0 | 296.0 | 0.0 | 0.0 | 592.0 | 0.0 |
| F06 | 7/24 | 56-40 | 164-34 | Y34116 Z47906 | 40 | 1.8 | 82.0 | 246.0 | 82.0 | 0.0 | 410.0 | 0.0 |
| F07 | 7/21 | 56-38 | 163-59 | Y34023 Z47677 | 40 | 2.0 | 88.0 | 0.0 | 0.0 | 0.0 | 88.0 | 0.0 |
| F08 | 6/26 | 56-39 | 163-22 | Y33915 Z47429 | 40 | 1.7 | 909.0 | 413.0 | 0.0 | 83.0 | 1405.0 | 5.9 |
| F09 | 6/21 | 56-40 | 162-46 | Y33811 Z47187 | 38 | 1.9 | 354.0 | 354.0 | 88.0 | 0.0 | 796.0 | 0.0 |
| F10 | 6/17 | 56-39 | 162-11 | Y33724 Z46950 | 38 | 3.1 | 90.0 | 90.0 | 180.0 | 90.0 | 450.0 | 20.0 |
| F11 | 6/16 | 56-40 | 161-36 | Y33630 Z46715 | 47 | 2.8 | 10370.0 | 74.0 | 1333:0 | 1481.0 | 13259.0 | 11.2 |
| F12 | 6/ 9 | 56-39 | 160-56 | Y33535 Z46451 | 36 | 3.0 | 1667.0 | 303.0 | 606.0 | 455.0 | 3031.0 | 15.0 |
| F13 | 6/ 9 | 56-39 | 160-22 | Y33455 Z46222 | 31 | 2.9 | 616.0 | 205.0 | 274.0 | 274.0 | 1369.0 | 20.0 |
| F14 | 6/10 | 56-39 | 159-46 | Y33371 Z45979 | 18 | 4.6 | 648.0 | 648.0 | 370.0 | 93.0 | 1759.0 | 5.3 |
| F18 | 8/ 3 | 56-39 | 168-13 | Y34820 Z49357 | 58 | 2.8 | 80.0 | 160.0 | 80.0 | 0.0 | 320.0 | 0.0 |
| F19 | 8/ 3 | 56-42 | 168-56 | Y34952 Z49631 | 53 | 4.0 | 78.0 | 0.0 | 0.0 | 0.0 | 78.0 | 0.0 |
| F20 | 8/ 9 | 56-42 | 169-30 | Y35056 Z49839 | 41 | 3.8 | 0.0 | 161.0 | 242.0 | 0.0 | 403.0 | 0.0 |
| F21 | 8/10 | 56-40 | 170-07 | Y35129 Z50006 | 52 | 3.8 | 75.0 | 448.0 | 149.0 | 0.0 | 672.0 | 0.0 |
| F22 | 8/11 | 56-39 | 170-44 | X18393 Y35127 | 61 | 3.8 | 650.0 | 163.0 | 244.0 | 0.0 | 1057.0 | 0.0 |
| F23 | 9/ 1 | 56-40 | 171-21 | X18193 Z50146 | 64 | . | 809.0 | 221.0 | 809.0 | 294.0 | 2133.0 | 13.8 |
| F24 | 9/ 1 | 56-39 | 172-01 | X17950 Z50164 | 70 | 4.1 | 492.0 | 1721.0 | 0.0 | 0.0 | 2213.0 | 0.0 |
| F25 | 9/ 1 | 56-40 | 172-34 | X17744 Z50173 | 85 | 3.7 | 1789.0 | 1301.0 | 0.0 | 0.0 | 3090.0 | 0.0 |
| G01 | 7/30 | 57-00 | 167-44 | Y34623 Z49174 | 41 | 1.8 | 781.0 | 313.0 | 0.0 | 0.0 | 1094.0 | 0.0 |
| G03 | 7/28 | 56-59 | 166-27 | Y34373 Z48664 | 39 | 1.3 | 496.0 | 496.0 | 0.0 | 0.0 | 992.0 | 0.0 |
| G04 | 7/29 | 56-59 | 165-49 | Y34249 Z48407 | 39 | 1.0 | 2444.0 | 3926.0 | 0.0 | 0.0 | 6370.0 | 0.0 |
| G05 | 7/24 | 57-01 | 165-14 | Y34125 Z48169 | 38 | 2.0 | 85.0 | 0.0 | 0.0 | 0.0 | 85.0 | 0.0 |
| G06 | 7/24 | 56-59 | 164-36 | Y34021 Z47919 | 37 | 1.0 | 0.0 | 0.0 | 0.0 | 78.0 | 78.0 | 100.0 |
| G07 | 7/22 | 57-00 | 163-58 | Y33908 Z47663 | 36 | .9 | 85.0 | 169.0 | 0.0 | 0.0 | 254.0 | 0.0 |
| G08 | 6/27 | 57-00 | 163-23 | Y33806 Z47426 | 35 | .7 | 163.0 | 81.0 | 0.0 | 163.0 | 407.0 | 40.0 |
| G09 | 6/20 | 57-00 | 162-46 | Y33705 Z47180 | 31 | 1.9 | 159.0 | 79.0 | 159.0 | 79.0 | 476.0 | 16.6 |
| G10 | 6/17 | 57-00 | 162-08 | Y33606 Z46924 | 31 | 2.5 | 943.0 | 377.0 | 94.0 | 0.0 | 1415.0 | 0.0 |
| G11 | 6/16 | 57-00 | 161-33 | Y33520 Z46690 | 37 | 2.7 | 923.0 | 231.0 | 385.0 | 77.0 | 1615.0 | 4.8 |
| G12 | 6/14 | 57-00 | 160-55 | Y33426 Z46432 | 36 | 3.6 | 2524.0 | 97.0 | 1165.0 | 777.0 | 4563.0 | 17.0 |
| G13 | 6/14 | 57-00 | 160-20 | Y33340 Z46196 | 34 | 3.3 | 435.0 | 522.0 | 783.0 | 609.0 | 2348.0 | 25.9 |
| G14 | 6/10 | 56-59 | 159-42 | Y33264 Z45947 | 29 | 3.3 | 612.0 | 510.0 | 204.0 | 102.0 | 1428.0 | 7.1 |
| G18 | 8/ 3 | 56-49 | 168-36 | Y34860 Z49518 | 52 | . | 469.0 | 78.0 | 0.0 | 0.0 | 547.0 | 0.0 |
| G18 | 8/ 3 | 56-59 | 168-20 | Y34757 Z49415 | 44 | 1.7 | 216.0 | 144.0 | 0.0 | 0.0 | 360.0 | 0.0 |
| G19 | 7/15 | 57-01 | 168-56 | Y34883 Z49660 | 43 | 3.0 | 177.0 | 0.0 | 0.0 | 0.0 | 177.0 | 0.0 |
| G19 | 8/ 3 | 56-49 | 169-14 | Y34991 Z49760 | 44 | 3.7 | 0.0 | 87.0 | 174.0 | 0.0 | 261.0 | 0.0 |
| G20 | 8/ 3 | 57-09 | 169-18 | Y34918 Z49799 | 38 | 3.6 | 229.0 | 763.0 | 0.0 | 0.0 | 992.0 | 0.0 |
| G20 | 8/ 9 | 57-00 | 169-34 | Y35021 Z49905 | 33 | 3.1 | 138.0 | 759.0 | 0.0 | 0.0 | 897.0 | 0.0 |
| G20 | 8/ 9 | 56-50 | 169-53 | Y35104 Z49991 | 39 | 4.4 | 252.0 | 2269.0 | 840.0 | 84.0 | 3445.0 | 2.4 |
| G21 | 8/10 | 56-50 | 170-29 | X18541 Y35135 | 55 | 3.7 | 2240.0 | 1520.0 | 0.0 | 0.0 | 3760.0 | 0.0 |
| G21 | 8/11 | 56-58 | 170-08 | X18679 Y35130 | 40 | 3.9 | 407.0 | 976.0 | 0.0 | 0.0 | 1383.0 | 0.0 |

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

TABLE 6 DATA FROM THE 1985 EASTERN BERING SEA TRAWL SURVEY WHERE BAIRDI TANNER CRAB WERE TAKEN (CONTINUED)

| STATION | DATE | LATITUDE | LONGITUDE | LORAN C | DEPTH FTMS | BOTTOM TEMP | NUMBER PER SQUARE MILE | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MALES (SEE NOTE) | | | | |
| | | | | | | | FEMALES | SMALL | PRERECRUIT | LEGAL | TOTAL | PERCENT LEGAL |
| G22 | 8/11 | 56-59 | 170-47 | X18504 Y35093 | 51 | 3.4 | 370.0 | 593.0 | 0.0 | 0.0 | 963.0 | 0.0 |
| G23 | 9/ 1 | 57-00 | 171-25 | X18262 Z50180 | 59 | 4.1 | 360.0 | 504.0 | 72.0 | 0.0 | 936.0 | 0.0 |
| G24 | 9/ 2 | 57-01 | 172-00 | X18040 Y34904 | 63 | 3.7 | 2031.0 | 703.0 | 703.0 | 0.0 | 3437.0 | 0.0 |
| G25 | 9/ 2 | 56-59 | 172-38 | X17789 Y34816 | 66 | 3.5 | 4488.0 | 1654.0 | 472.0 | 0.0 | 6614.0 | 0.0 |
| G26 | 9/ 2 | 57-02 | 173-19 | X17527 Y34704 | 84 | 4.0 | 880.0 | 560.0 | 240.0 | 0.0 | 1680.0 | 0.0 |
| H01 | 7/30 | 57-20 | 167-43 | Y34498 Z49155 | 39 | 2.1 | 930.0 | 1240.0 | 0.0 | 0.0 | 2170.0 | 0.0 |
| H02 | 7/30 | 57-20 | 167-07 | Y34376 Z48913 | 37 | .7 | 152.0 | 0.0 | 0.0 | 0.0 | 152.0 | 0.0 |
| H03 | 7/29 | 57-19 | 166-27 | Y34249 Z48648 | 37 | 1.7 | 175.0 | 2368.0 | 0.0 | 0.0 | 2543.0 | 0.0 |
| H04 | 7/29 | 57-19 | 165-52 | Y34134 Z48411 | 36 | 1.2 | 81.0 | 161.0 | 0.0 | 0.0 | 242.0 | 0.0 |
| H05 | 7/24 | 57-19 | 165-13 | Y34011 Z48149 | 36 | .7 | 0.0 | 152.0 | 76.0 | 0.0 | 227.0 | 0.0 |
| H06 | 7/23 | 57-21 | 164-37 | Y33895 Z47908 | 34 | 1.0 | 0.0 | 77.0 | 0.0 | 0.0 | 77.0 | 0.0 |
| H07 | 7/22 | 57-19 | 163-58 | Y33793 Z47654 | 33 | 1.2 | 0.0 | 155.0 | 0.0 | 0.0 | 155.0 | 0.0 |
| H08 | 6/27 | 57-18 | 163-23 | Y33698 Z47414 | 28 | 1.0 | 85.0 | 508.0 | 0.0 | 0.0 | 593.0 | 0.0 |
| H09 | 6/20 | 57-21 | 162-46 | Y33586 Z47167 | 25 | 2.3 | 79.0 | 394.0 | 0.0 | 0.0 | 473.0 | 0.0 |
| H10 | 6/17 | 57-20 | 162-08 | Y33493 Z46915 | 26 | 3.3 | 303.0 | 152.0 | 76.0 | 0.0 | 530.0 | 0.0 |
| H11 | 6/16 | 57-20 | 161-30 | Y33400 Z46664 | 30 | 3.5 | 2124.0 | 442.0 | 973.0 | 1681.0 | 5221.0 | 32.2 |
| H12 | 6/14 | 57-19 | 160-55 | Y33320 Z46428 | 34 | 2.8 | 1636.0 | 0.0 | 818.0 | 727.0 | 3181.0 | 22.9 |
| H13 | 6/13 | 57-16 | 160-22 | Y33264 Z46210 | 32 | 3.2 | 1520.0 | 1280.0 | 160.0 | 400.0 | 3360.0 | 11.9 |
| H14 | 6/11 | 57-20 | 159-37 | Y33137 Z45909 | 30 | . | 342.0 | 205.0 | 68.0 | 137.0 | 753.0 | 18.2 |
| H15 | 6/10 | 57-19 | 159-03 | Y33074 Z45679 | 25 | 3.7 | 0.0 | 81.0 | 0.0 | 0.0 | 81.0 | 0.0 |
| H18 | 8/ 3 | 57-09 | 168-37 | Y34763 Z49527 | 41 | 2.5 | 0.0 | 370.0 | 593.0 | 0.0 | 963.0 | 0.0 |
| H18 | 8/ 4 | 57-19 | 168-22 | Y34641 Z49412 | 40 | 2.0 | 515.0 | 956.0 | 735.0 | 147.0 | 2353.0 | 6.2 |
| H19 | 7/15 | 57-20 | 168-59 | Y34767 Z49654 | 37 | 2.8 | 82.0 | 328.0 | 0.0 | 0.0 | 410.0 | 0.0 |
| H19 | 8/ 4 | 57-19 | 168-59 | Y34777 Z49659 | 37 | 3.3 | 164.0 | 820.0 | 82.0 | 0.0 | 1066.0 | 0.0 |
| H20 | 8/ 8 | 57-19 | 169-36 | Y34909 Z49899 | 33 | 2.3 | 301.0 | 526.0 | 150.0 | 0.0 | 978.0 | 0.0 |
| H21 | 8/11 | 57-06 | 170-26 | X18663 Y35120 | 26 | 5.7 | 82.0 | 82.0 | 0.0 | 0.0 | 164.0 | 0.0 |
| H22 | 8/12 | 57-19 | 170-52 | X18512 Y34957 | 45 | 3.6 | 79.0 | 238.0 | 0.0 | 0.0 | 317.0 | 0.0 |
| H23 | 9/ 3 | 57-20 | 171-29 | X18279 Y34864 | 55 | 3.5 | 620.0 | 155.0 | 233.0 | 0.0 | 1008.0 | 0.0 |
| H24 | 9/ 3 | 57-20 | 172-07 | X18034 Y34771 | 59 | 3.7 | 787.0 | 787.0 | 472.0 | 0.0 | 2047.0 | 0.0 |
| H25 | 9/ 2 | 57-20 | 172-44 | X17798 Y34684 | 63 | 3.4 | 1545.0 | 244.0 | 650.0 | 0.0 | 2439.0 | 0.0 |
| H26 | 9/ 2 | 57-19 | 173-20 | X17568 Y34603 | 65 | 3.6 | 3952.0 | 2016.0 | 242.0 | 0.0 | 6210.0 | 0.0 |
| I01 | 7/30 | 57-40 | 167-45 | Y34354 Z49124 | 37 | 1.4 | 424.0 | 424.0 | 0.0 | 0.0 | 848.0 | 0.0 |
| I02 | 7/30 | 57-32 | 167-08 | Y34292 Z48901 | 37 | .6 | 77.0 | 77.0 | 0.0 | 0.0 | 154.0 | 0.0 |
| I03 | 7/29 | 57-39 | 166-30 | Y34118 Z48636 | 35 | 2.5 | 0.0 | 168.0 | 0.0 | 0.0 | 168.0 | 0.0 |
| I07 | 7/22 | 57-39 | 163-59 | Y33668 Z47641 | 27 | 3.9 | 0.0 | 81.0 | 0.0 | 0.0 | 81.0 | 0.0 |
| I08 | 6/27 | 57-38 | 163-22 | Y33569 Z47395 | 24 | 2.1 | 382.0 | 382.0 | 0.0 | 0.0 | 764.0 | 0.0 |
| I10 | 6/18 | 57-41 | 162-06 | Y33361 Z46893 | 25 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 73.0 | 0.0 |
| I11 | 6/16 | 57-40 | 161-30 | Y33276 Z46655 | 28 | . | 0.0 | 0.0 | 78.0 | 0.0 | 78.0 | 0.0 |
| I12 | 6/15 | 57-41 | 160-51 | Y33181 Z46392 | 30 | 2.5 | 1226.0 | 2170.0 | 377.0 | 377.0 | 4151.0 | 9.1 |
| I13 | 6/13 | 57-40 | 160-15 | Y32968 Z46122 | 28 | 3.0 | 0.0 | 288.0 | 0.0 | 0.0 | 288.0 | 0.0 |
| I14 | 6/11 | 57-39 | 159-37 | Y33032 Z45906 | 27 | . | 80.0 | 0.0 | 80.0 | 0.0 | 160.0 | 0.0 |
| I18 | 8/ 4 | 57-39 | 168-24 | Y34487 Z49375 | 38 | 1.2 | 244.0 | 244.0 | 0.0 | 0.0 | 488.0 | 0.0 |
| I18 | 8/ 4 | 57-30 | 168-45 | Y34640 Z49535 | 38 | 2.2 | 960.0 | 160.0 | 0.0 | 0.0 | 1120.0 | 0.0 |
| I19 | 7/15 | 57-40 | 169-02 | Y34595 Z49602 | 36 | 1.7 | 970.0 | 909.0 | 0.0 | 0.0 | 1879.0 | 0.0 |
| I20 | 8/ 8 | 57-29 | 169-59 | Y34867 Z49974 | 36 | 3.2 | 8696.0 | 10870.0 | 0.0 | 0.0 | 19566.0 | 0.0 |

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

TABLE 6 DATA FROM THE 1985 EASTERN BERING SEA TRAWL SURVEY WHERE BAIRDI TANNER CRAB WERE TAKEN (CONTINUED)

| STATION | DATE | LATITUDE | LONGITUDE | LORAN C | DEPTH FTMS | BOTTOM TEMP | NUMBER PER SQUARE MILE | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MALES (SEE NOTE) | | | | |
| | | | | | | | FEMALES | SMALL | PRERECRUIT | LEGAL | TOTAL | PERCENT LEGAL |
| I20 | 8/ 8 | 57-39 | 169-36 | Y34698 Z49795 | 37 | 2.0 | 394.0 | 236.0 | 0.0 | 0.0 | 630.0 | 0.0 |
| I21 | 8/ 7 | 57-36 | 170-16 | X18630 Y34803 | 38 | 3.5 | 263.0 | 88.0 | 0.0 | 0.0 | 351.0 | 0.0 |
| I22 | 8/12 | 57-39 | 170-53 | X18462 Y34753 | 45 | 3.0 | 403.0 | 323.0 | 0.0 | 0.0 | 726.0 | 0.0 |
| I23 | 8/13 | 57-39 | 171-32 | X18248 Y34683 | 54 | 3.2 | 157.0 | 0.0 | 0.0 | 0.0 | 157.0 | 0.0 |
| I24 | 8/13 | 57-40 | 172-10 | X18023 Y34607 | 58 | 2.7 | 0.0 | 143.0 | 0.0 | 0.0 | 143.0 | 0.0 |
| I26 | 8/13 | 57-40 | 173-24 | X17573 Y34451 | 80 | 3.2 | 423.0 | 0.0 | 0.0 | 0.0 | 423.0 | 0.0 |
| J02 | 7/30 | 57-59 | 167-09 | Y34074 Z48842 | 34 | .7 | 0.0 | 77.0 | 0.0 | 0.0 | 77.0 | 0.0 |
| J06 | 7/23 | 57-59 | 164-37 | Y33631 Z47867 | 23 | 5.1 | 0.0 | 81.0 | 0.0 | 0.0 | 81.0 | 0.0 |
| J08 | 6/27 | 57-58 | 163-21 | Y33431 Z47373 | 22 | 2.8 | 0.0 | 222.0 | 0.0 | 0.0 | 222.0 | 0.0 |
| J10 | 6/18 | 58-00 | 162-06 | Y33231 Z46882 | 20 | 2.8 | 0.0 | 144.0 | 0.0 | 0.0 | 144.0 | 0.0 |
| J12 | 6/15 | 57-59 | 160-49 | Y33061 Z46380 | 23 | . | 179.0 | 625.0 | 89.0 | 0.0 | 893.0 | 0.0 |
| J13 | 6/13 | 57-59 | 160-13 | Y32968 Z46122 | 27 | . | 0.0 | 80.0 | 0.0 | 0.0 | 80.0 | 0.0 |
| J14 | 6/11 | 57-59 | 159-36 | Y32911 Z45899 | 22 | . | 0.0 | 168.0 | 0.0 | 0.0 | 168.0 | 0.0 |
| J18 | 8/ 4 | 57-49 | 168-44 | Y34453 Z49455 | 38 | 1.0 | 68.0 | 136.0 | 0.0 | 0.0 | 204.0 | 0.0 |
| J18 | 8/ 4 | 57-59 | 168-26 | Y34301 Z49310 | 37 | .7 | 0.0 | 229.0 | 0.0 | 0.0 | 229.0 | 0.0 |
| J19 | 7/15 | 58-00 | 169-04 | Y34389 Z49516 | 37 | .7 | 78.0 | 0.0 | 0.0 | 0.0 | 78.0 | 0.0 |
| J20 | 8/ 5 | 57-49 | 169-58 | Y34622 Z49836 | 39 | 1.8 | 78.0 | 156.0 | 0.0 | 0.0 | 234.0 | 0.0 |
| J21 | 8/ 5 | 58-00 | 170-18 | Y34514 Z49838 | 39 | 2.3 | 79.0 | 0.0 | 0.0 | 0.0 | 79.0 | 0.0 |
| J22 | 8/12 | 57-59 | 170-58 | X18381 Y34517 | 46 | 2.8 | 78.0 | 0.0 | 0.0 | 0.0 | 78.0 | 0.0 |
| J24 | 8/12 | 58-00 | 172-13 | X17994 Y34418 | 57 | 2.3 | 313.0 | 234.0 | 0.0 | 0.0 | 547.0 | 0.0 |
| J25 | 8/12 | 58-00 | 172-51 | X17780 Y34353 | 59 | 2.5 | 1138.0 | 488.0 | 81.0 | 81.0 | 1788.0 | 4.5 |
| J26 | 8/13 | 57-59 | 173-29 | X17557 Y34288 | 64 | 2.6 | 10923.0 | 1385.0 | 538.0 | 0.0 | 12846.0 | 0.0 |
| K12 | 6/15 | 58-16 | 160-45 | Y32942 Z46350 | 14 | 6.0 | 180.0 | 0.0 | 0.0 | 0.0 | 180.0 | 0.0 |
| K19 | 7/14 | 58-20 | 169-06 | Y34165 Z49413 | 36 | 1.0 | 0.0 | 78.0 | 0.0 | 0.0 | 78.0 | 0.0 |
| K23 | 7/12 | 58-21 | 171-39 | Y34230 Z49879 | 52 | 2.0 | 0.0 | 95.0 | 0.0 | 0.0 | 95.0 | 0.0 |
| K24 | 7/10 | 58-20 | 172-17 | Y34210 Z49936 | 56 | 2.2 | 2823.0 | 3952.0 | 81.0 | 0.0 | 6855.0 | 0.0 |
| K25 | 7/ 8 | 58-20 | 172-57 | Y34155 Z49969 | 59 | 2.2 | 84.0 | 0.0 | 0.0 | 0.0 | 84.0 | 0.0 |
| K26 | 7/15 | 58-19 | 173-34 | Y34101 Z49992 | 63 | 2.9 | 7619.0 | 1190.0 | 952.0 | 0.0 | 9762.0 | 0.0 |
| K27 | 7/ 8 | 58-20 | 174-18 | Y34027 Z50008 | 80 | 3.2 | 345.0 | 0.0 | 0.0 | 0.0 | 345.0 | 0.0 |
| L19 | 7/14 | 58-40 | 169-08 | Y33932 Z49309 | 33 | . | 0.0 | 83.0 | 0.0 | 0.0 | 83.0 | 0.0 |
| L22 | 7/10 | 58-40 | 171-04 | Y34035 Z49707 | 45 | .0 | 0.0 | 154.0 | 0.0 | 0.0 | 154.0 | 0.0 |
| L24 | 7/10 | 58-40 | 172-22 | Y33990 Z49840 | 55 | 2.0 | 2917.0 | 2500.0 | 0.0 | 0.0 | 5417.0 | 0.0 |
| L25 | 7/ 9 | 58-40 | 173-00 | Y33951 Z49882 | 61 | 2.3 | 500.0 | 83.0 | 0.0 | 0.0 | 583.0 | 0.0 |
| L26 | 7/15 | 58-40 | 173-38 | Y33904 Z49913 | 69 | 2.8 | 325.0 | 325.0 | 163.0 | 0.0 | 813.0 | 0.0 |
| L27 | 7/ 8 | 58-40 | 174-16 | Y33849 Z49934 | 83 | 2.9 | 254.0 | 169.0 | 85.0 | 0.0 | 508.0 | 0.0 |
| L28 | 7/16 | 58-40 | 174-54 | Y33804 Z49954 | 110 | 3.1 | 1563.0 | 938.0 | 0.0 | 0.0 | 2501.0 | 0.0 |
| L29 | 7/18 | 58-39 | 175-34 | Y33755 Z49971 | 73 | 2.5 | 10898.0 | 4015.0 | 1515.0 | 76.0 | 16504.0 | 0.5 |
| L30 | 7/18 | 58-39 | 176-11 | Y33699 Z49980 | 75 | 2.1 | 3681.0 | 2500.0 | 486.0 | 0.0 | 6667.0 | 0.0 |
| L31 | 7/22 | 58-39 | 176-51 | Y33649 Z49989 | 73 | 2.2 | 6780.0 | 5932.0 | 339.0 | 0.0 | 13051.0 | 0.0 |
| M24 | 7/11 | 59-00 | 172-26 | Y33768 Z49742 | 54 | 1.5 | 413.0 | 826.0 | 0.0 | 0.0 | 1239.0 | 0.0 |
| M25 | 7/ 9 | 58-59 | 173-05 | Y33750 Z49797 | 58 | 1.8 | 813.0 | 894.0 | 0.0 | 0.0 | 1707.0 | 0.0 |
| M26 | 7/15 | 59-00 | 173-43 | Y33705 Z49831 | 64 | 2.1 | 820.0 | 328.0 | 82.0 | 0.0 | 1230.0 | 0.0 |
| M27 | 7/ 8 | 59-00 | 174-22 | Y33662 Z49861 | 69 | 2.1 | 556.0 | 476.0 | 0.0 | 0.0 | 1032.0 | 0.0 |
| M28 | 7/16 | 58-59 | 175-00 | Y33625 Z49887 | 71 | 2.3 | 6484.0 | 6797.0 | 0.0 | 0.0 | 13281.0 | 0.0 |
| M29 | 7/18 | 58-59 | 175-45 | Y33573 Z49909 | 72 | 1.8 | 775.0 | 493.0 | 0.0 | 0.0 | 1268.0 | 0.0 |

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

TABLE 6 DATA FROM THE 1985 EASTERN BERING SEA TRAWL SURVEY WHERE BAIRDI TANNER CRAB WERE TAKEN (CONTINUED)

| STATION | DATE | LATITUDE | LONGITUDE | LORAN C | DEPTH FTMS | BOTTOM TEMP | NUMBER PER SQUARE MILE | | | | | PERCENT LEGAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MALES (SEE NOTE) | | | | |
| | | | | | | | FEMALES | SMALL | PRERECRUIT | LEGAL | TOTAL | |
| M30 | 7/19 | 59-00 | 176-21 | Y33525 Z49921 | 75 | 1.7 | 1842.0 | 1842.0 | 175.0 | 0.0 | 3860.0 | 0.0 |
| M31 | 7/21 | 59-00 | 176-58 | Y33483 Z49933 | 74 | 2.0 | 787.0 | 709.0 | 0.0 | 0.0 | 1496.0 | 0.0 |
| M32 | 7/21 | 58-59 | 177-37 | Y33440 Z49944 | 74 | 2.5 | 714.0 | 1929.0 | 500.0 | 0.0 | 3143.0 | 0.0 |
| N24 | 7/11 | 59-20 | 172-31 | Y33540 Z49642 | 48 | .5 | 68.0 | 68.0 | 0.0 | 0.0 | 136.0 | 0.0 |
| N25 | 7/ 9 | 59-18 | 173-08 | Y33544 Z49708 | 54 | 1.4 | 157.0 | 79.0 | 0.0 | 0.0 | 236.0 | 0.0 |
| N28 | 7/16 | 59-19 | 175-07 | Y33436 Z49814 | 72 | 2.0 | 602.0 | 602.0 | 0.0 | 0.0 | 1204.0 | 0.0 |
| N29 | 7/18 | 59-20 | 175-45 | Y33396 Z49837 | 75 | .7 | 234.0 | 625.0 | 0.0 | 0.0 | 859.0 | 0.0 |
| N30 | 7/19 | 59-19 | 176-23 | Y33365 Z49859 | 74 | 1.2 | 1048.0 | 1371.0 | 81.0 | 0.0 | 2500.0 | 0.0 |
| N31 | 7/21 | 59-19 | 177-05 | Y33321 Z49875 | 81 | 2.5 | 565.0 | 565.0 | 0.0 | 0.0 | 1130.0 | 0.0 |
| O24 | 7/11 | 59-39 | 172-34 | Y33325 Z49549 | 46 | -.5 | 0.0 | 74.0 | 0.0 | 0.0 | 74.0 | 0.0 |
| O25 | 7/ 9 | 59-29 | 173-29 | Y33410 Z49679 | 55 | 1.0 | 157.0 | 0.0 | 0.0 | 0.0 | 157.0 | 0.0 |
| O26 | 7/15 | 59-40 | 173-53 | Y33291 Z49659 | 57 | 1.0 | 308.0 | 385.0 | 0.0 | 0.0 | 693.0 | 0.0 |
| O28 | 7/16 | 59-38 | 175-11 | Y33260 Z49744 | 69 | 2.0 | 73.0 | 0.0 | 73.0 | 0.0 | 146.0 | 0.0 |
| O29 | 7/18 | 59-40 | 175-52 | Y33211 Z49767 | 75 | 1.8 | 163.0 | 244.0 | 0.0 | 0.0 | 407.0 | 0.0 |
| O30 | 7/19 | 59-39 | 176-32 | Y33183 Z49792 | 74 | 1.1 | 1136.0 | 1136.0 | 0.0 | 0.0 | 2272.0 | 0.0 |
| O31 | 7/21 | 59-39 | 177-10 | Y33150 Z49810 | 92 | 2.0 | 155.0 | 0.0 | 0.0 | 0.0 | 155.0 | 0.0 |
| P24 | 7/12 | 59-50 | 172-55 | Y33202 Z49530 | 44 | -1.0 | 2683.0 | 2764.0 | 0.0 | 0.0 | 5447.0 | 0.0 |
| P25 | 7/ 9 | 59-49 | 173-34 | Y33205 Z49593 | 51 | .7 | 0.0 | 82.0 | 0.0 | 0.0 | 82.0 | 0.0 |
| P25 | 7/10 | 59-59 | 173-18 | Y33101 Z49521 | 41 | -.7 | 0.0 | 88.0 | 0.0 | 0.0 | 88.0 | 0.0 |
| P28 | 7/16 | 59-59 | 175-16 | Y33050 Z49659 | 64 | 1.5 | 146.0 | 0.0 | 0.0 | 0.0 | 146.0 | 0.0 |
| P29 | 7/17 | 60-00 | 175-56 | Y33026 Z49692 | 71 | 1.6 | 79.0 | 157.0 | 0.0 | 0.0 | 236.0 | 0.0 |
| P30 | 7/19 | 59-59 | 176-43 | Y32999 Z49725 | 77 | 1.8 | 513.0 | 427.0 | 0.0 | 0.0 | 940.0 | 0.0 |
| P31 | 7/20 | 59-59 | 177-13 | Y32981 Z49743 | 75 | .5 | 156.0 | 78.0 | 0.0 | 0.0 | 234.0 | 0.0 |
| Q23 | 7/10 | 60-19 | 172-03 | Y32866 Z49282 | 32 | -.5 | 82.0 | 328.0 | 0.0 | 0.0 | 410.0 | 0.0 |
| Q28 | 7/17 | 60-19 | 175-23 | Y32855 Z49583 | 61 | 1.3 | 0.0 | 156.0 | 0.0 | 0.0 | 156.0 | 0.0 |
| Q29 | 7/17 | 60-19 | 176-02 | Y32842 Z49619 | 66 | 1.5 | 83.0 | 0.0 | 0.0 | 0.0 | 83.0 | 0.0 |
| Z05 | 7/26 | 54-42 | 165-08 | Y34601 Z48028 | 44 | 6.1 | 0.0 | 236.0 | 0.0 | 0.0 | 236.0 | 0.0 |

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

TABLE 7 DATA FROM THE 1985 EASTERN BERING SEA TRAWL SURVEY WHERE OPILIO TANNER CRAB WERE TAKEN

| STATION | DATE | LATITUDE | LONGITUDE | LORAN C | DEPTH FTMS | BOTTOM TEMP | NUMBER PER SQUARE MILE | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MALES (SEE NOTE) | | | | |
| | | | | | | | FEMALES | SMALL | PRERECRUIT | LARGE | TOTAL | PERCENT LARGE |
| A03 | 7/27 | 55-00 | 166-18 | Y34735 Z48465 | 78 | 4.0 | 0.0 | 165.0 | 496.0 | 331.0 | 992.0 | 33.4 |
| A04 | 7/27 | 54-59 | 165-45 | Y34655 Z48270 | 71 | 4.2 | 0.0 | 0.0 | 0.0 | 397.0 | 397.0 | 100.0 |
| A05 | 7/26 | 55-01 | 165-08 | Y34561 Z48053 | 60 | 3.9 | 0.0 | 240.0 | 560.0 | 2000.0 | 2800.0 | 71.4 |
| B01 | 8/ 2 | 55-21 | 167-33 | Y34880 Z48936 | 81 | 3.8 | 0.0 | 0.0 | 0.0 | 78.0 | 78.0 | 100.0 |
| B03 | 7/27 | 55-19 | 166-20 | Y34705 Z48516 | 72 | 4.1 | 0.0 | 169.0 | 254.0 | 254.0 | 678.0 | 37.5 |
| B04 | 7/27 | 55-19 | 165-48 | Y34621 Z48325 | 65 | 4.0 | 0.0 | 161.0 | 161.0 | 0.0 | 323.0 | 0.0 |
| B05 | 7/26 | 55-20 | 165-09 | Y34518 Z48087 | 60 | 3.9 | 0.0 | 252.0 | 84.0 | 504.0 | 840.0 | 60.0 |
| B06 | 7/26 | 55-20 | 164-33 | Y34420 Z47861 | 54 | 5.0 | 0.0 | 86.0 | 517.0 | 1724.0 | 2328.0 | 74.1 |
| B08 | 6/26 | 55-19 | 163-26 | Y34248 Z47439 | 28 | . | 0.0 | 339.0 | 424.0 | 85.0 | 847.0 | 10.0 |
| C01 | 8/ 2 | 55-39 | 167-35 | Y34855 Z48995 | 73 | 3.8 | 0.0 | 0.0 | 0.0 | 79.0 | 79.0 | 100.0 |
| C03 | 7/28 | 55-39 | 166-21 | Y34658 Z48554 | 68 | 3.9 | 0.0 | 0.0 | 84.0 | 168.0 | 252.0 | 66.7 |
| C04 | 7/27 | 55-39 | 165-47 | Y34567 Z48346 | 64 | 5.2 | 0.0 | 180.0 | 0.0 | 180.0 | 360.0 | 50.0 |
| C05 | 7/25 | 55-40 | 165-10 | Y34461 Z48114 | 59 | 4.5 | 0.0 | 0.0 | 83.0 | 83.0 | 167.0 | 49.7 |
| C07 | 7/21 | 55-39 | 164-00 | Y34328 Z47653 | 52 | 3.0 | 0.0 | 81.0 | 242.0 | 403.0 | 726.0 | 55.5 |
| C08 | 6/26 | 55-38 | 163-24 | Y34177 Z47431 | 42 | 3.2 | 0.0 | 381.0 | 762.0 | 476.0 | 1619.0 | 29.4 |
| C09 | 6/21 | 55-41 | 162-51 | Y34081 Z47219 | 28 | 4.5 | 0.0 | 149.0 | 75.0 | 0.0 | 224.0 | 0.0 |
| D01 | 8/ 2 | 56-00 | 167-37 | Y34823 Z49061 | 72 | 4.6 | 0.0 | 0.0 | 0.0 | 345.0 | 345.0 | 100.0 |
| D03 | 7/28 | 55-59 | 166-24 | Y34613 Z48605 | 67 | 4.0 | 0.0 | 0.0 | 89.0 | 179.0 | 268.0 | 66.8 |
| D04 | 7/28 | 55-59 | 165-47 | Y34504 Z48367 | 57 | 4.1 | 0.0 | 152.0 | 0.0 | 152.0 | 303.0 | 50.2 |
| D06 | 7/25 | 56-00 | 164-33 | Y34286 Z47891 | 50 | 3.0 | 0.0 | 83.0 | 83.0 | 331.0 | 496.0 | 66.7 |
| D07 | 7/21 | 55-58 | 163-59 | Y34201 Z47671 | 49 | 3.0 | 0.0 | 146.0 | 0.0 | 0.0 | 146.0 | 0.0 |
| D08 | 6/26 | 55-59 | 163-24 | Y34100 Z47436 | 47 | 2.7 | 0.0 | 167.0 | 250.0 | 500.0 | 917.0 | 54.5 |
| D09 | 6/21 | 56-00 | 162-48 | Y33999 Z47205 | 43 | 3.7 | 0.0 | 556.0 | 317.0 | 238.0 | 1111.0 | 21.4 |
| D10 | 6/17 | 56-00 | 162-12 | Y33904 Z46962 | 37 | 3.9 | 0.0 | 431.0 | 517.0 | 172.0 | 1121.0 | 15.3 |
| D18 | 8/ 2 | 56-00 | 168-11 | Y34913 Z49260 | 80 | 4.3 | 88.0 | 177.0 | 88.0 | 354.0 | 707.0 | 50.1 |
| E01 | 8/ 2 | 56-19 | 167-39 | Y34777 Z49109 | 71 | 4.7 | 0.0 | 0.0 | 78.0 | 233.0 | 310.0 | 75.2 |
| E02 | 7/31 | 56-19 | 167-02 | Y34660 Z48872 | 62 | 3.5 | 0.0 | 0.0 | 0.0 | 155.0 | 155.0 | 100.0 |
| E04 | 7/28 | 56-19 | 165-47 | Y34431 Z48390 | 50 | 2.9 | 0.0 | 0.0 | 76.0 | 152.0 | 227.0 | 67.0 |
| E05 | 7/25 | 56-20 | 165-13 | Y34323 Z48161 | 46 | 2.8 | 0.0 | 431.0 | 86.0 | 172.0 | 690.0 | 24.9 |
| E06 | 7/25 | 56-19 | 164-37 | Y34222 Z47924 | 47 | 2.2 | 0.0 | 234.0 | 391.0 | 78.0 | 703.0 | 11.1 |
| E07 | 7/21 | 56-20 | 164-00 | Y34114 Z47682 | 46 | 2.8 | 0.0 | 317.0 | 0.0 | 0.0 | 317.0 | 0.0 |
| E08 | 6/26 | 56-19 | 163-23 | Y34013 Z47437 | 46 | 2.2 | 0.0 | 547.0 | 156.0 | 156.0 | 859.0 | 18.2 |
| E09 | 6/21 | 56-20 | 162-48 | Y33910 Z47198 | 42 | 3.3 | 0.0 | 333.0 | 0.0 | 83.0 | 417.0 | 19.9 |
| E10 | 6/17 | 56-19 | 162-12 | Y33823 Z46964 | 41 | 3.8 | 0.0 | 0.0 | 320.0 | 80.0 | 400.0 | 20.0 |
| E11 | 6/16 | 56-20 | 161-37 | Y33728 Z46730 | 33 | 3.7 | 0.0 | 360.0 | 541.0 | 360.0 | 1261.0 | 28.5 |
| E12 | 6/ 9 | 56-20 | 160-58 | Y33629 Z46470 | 28 | 3.7 | 0.0 | 163.0 | 81.0 | 81.0 | 325.0 | 24.9 |
| E18 | 8/ 1 | 56-20 | 168-14 | Y34882 Z49330 | 83 | 4.5 | 93.0 | 0.0 | 2243.0 | 10748.0 | 13084.0 | 82.1 |
| E19 | 8/ 1 | 56-20 | 168-52 | Y34988 Z49556 | 69 | 4.0 | 0.0 | 254.0 | 254.0 | 508.0 | 1017.0 | 50.0 |
| F01 | 7/30 | 56-40 | 167-40 | Y34708 Z49145 | 56 | 3.4 | 0.0 | 0.0 | 300.0 | 100.0 | 400.0 | 25.0 |
| F02 | 7/30 | 56-39 | 167-04 | Y34589 Z48904 | 51 | 2.8 | 0.0 | 0.0 | 0.0 | 69.0 | 69.0 | 100.0 |
| F04 | 7/28 | 56-40 | 165-49 | Y34345 Z48411 | 42 | 1.2 | 0.0 | 909.0 | 530.0 | 530.0 | 1970.0 | 26.9 |
| F05 | 7/24 | 56-40 | 165-11 | Y34229 Z48156 | 40 | . | 0.0 | 74.0 | 222.0 | 222.0 | 519.0 | 42.8 |
| F06 | 7/24 | 56-40 | 164-34 | Y34116 Z47906 | 40 | 1.8 | 0.0 | 0.0 | 82.0 | 0.0 | 82.0 | 0.0 |
| F08 | 6/26 | 56-39 | 163-22 | Y33915 Z47429 | 40 | 1.7 | 0.0 | 1405.0 | 83.0 | 413.0 | 1901.0 | 21.7 |
| F09 | 6/21 | 56-40 | 162-46 | Y33811 Z47187 | 38 | 1.9 | 0.0 | 973.0 | 619.0 | 442.0 | 2035.0 | 21.7 |

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

TABLE 7 DATA FROM THE 1985 EASTERN BERING SEA TRAWL SURVEY WHERE OPILIO TANNER CRAB WERE TAKEN (CONTINUED)

| STATION | DATE | LATITUDE | LONGITUDE | LORAN C | DEPTH FTMS | BOTTOM TEMP | NUMBER PER SQUARE MILE | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MALES (SEE NOTE) | | | | |
| | | | | | | | FEMALES | SMALL | PRERECRUIT | LARGE | TOTAL | PERCENT LARGE |
| F10 | 6/17 | 56-39 | 162-11 | Y33724 Z46950 | 38 | 3.1 | 0.0 | 360.0 | 90.0 | 90.0 | 541.0 | 16.6 |
| F11 | 6/16 | 56-40 | 161-36 | Y33630 Z46715 | 47 | 2.8 | 0.0 | 593.0 | 296.0 | 222.0 | 1111.0 | 20.0 |
| F13 | 6/ 9 | 56-39 | 160-22 | Y33455 Z46222 | 31 | 2.9 | 0.0 | 205.0 | 0.0 | 0.0 | 205.0 | 0.0 |
| F14 | 6/10 | 56-39 | 159-46 | Y33371 Z45979 | 18 | 4.6 | 0.0 | 93.0 | 0.0 | 0.0 | 93.0 | 0.0 |
| F18 | 8/ 3 | 56-39 | 168-13 | Y34820 Z49357 | 58 | 2.8 | 0.0 | 80.0 | 320.0 | 960.0 | 1360.0 | 70.6 |
| F19 | 8/ 3 | 56-42 | 168-56 | Y34952 Z49631 | 53 | 4.0 | 0.0 | 156.0 | 1484.0 | 2969.0 | 4609.0 | 64.4 |
| F20 | 8/ 9 | 56-42 | 169-30 | Y35056 Z49839 | 41 | 3.8 | 0.0 | 161.0 | 1129.0 | 726.0 | 2016.0 | 36.0 |
| F21 | 8/10 | 56-40 | 170-07 | Y35129 Z50006 | 52 | 3.8 | 75.0 | 0.0 | 0.0 | 0.0 | 75.0 | 0.0 |
| F22 | 8/11 | 56-39 | 170-44 | X18393 Y35127 | 61 | 3.8 | 0.0 | 0.0 | 325.0 | 81.0 | 407.0 | 19.9 |
| F23 | 9/ 1 | 56-40 | 171-21 | X18193 Z50146 | 64 | . | 0.0 | 74.0 | 1397.0 | 1176.0 | 2647.0 | 44.4 |
| G01 | 7/30 | 57-00 | 167-44 | Y34623 Z49174 | 41 | 1.8 | 469.0 | 547.0 | 234.0 | 781.0 | 2032.0 | 38.4 |
| G02 | 7/30 | 57-00 | 167-05 | Y34490 Z48913 | 39 | 1.1 | 76.0 | 76.0 | 153.0 | 840.0 | 1145.0 | 73.4 |
| G03 | 7/28 | 56-59 | 166-27 | Y34373 Z48664 | 39 | 1.3 | 83.0 | 248.0 | 331.0 | 661.0 | 1323.0 | 50.0 |
| G04 | 7/29 | 56-59 | 165-49 | Y34249 Z48407 | 39 | 1.0 | 2370.0 | 1778.0 | 296.0 | 370.0 | 4814.0 | 7.7 |
| G05 | 7/24 | 57-01 | 165-14 | Y34125 Z48169 | 38 | 2.0 | 0.0 | 256.0 | 85.0 | 0.0 | 342.0 | 0.0 |
| G06 | 7/24 | 56-59 | 164-36 | Y34021 Z47919 | 37 | 1.0 | 0.0 | 0.0 | 0.0 | 78.0 | 78.0 | 100.0 |
| G07 | 7/22 | 57-00 | 163-58 | Y33908 Z47663 | 36 | .9 | 339.0 | 593.0 | 85.0 | 0.0 | 1017.0 | 0.0 |
| G08 | 6/27 | 57-00 | 163-23 | Y33806 Z47426 | 35 | .7 | 81.0 | 732.0 | 244.0 | 407.0 | 1463.0 | 27.8 |
| G09 | 6/20 | 57-00 | 162-46 | Y33705 Z47180 | 31 | 1.9 | 0.0 | 79.0 | 238.0 | 79.0 | 397.0 | 19.9 |
| G10 | 6/17 | 57-00 | 162-08 | Y33606 Z46924 | 31 | 2.5 | 0.0 | 755.0 | 94.0 | 189.0 | 1038.0 | 18.2 |
| G11 | 6/16 | 57-00 | 161-33 | Y33520 Z46690 | 37 | 2.7 | 0.0 | 154.0 | 154.0 | 0.0 | 308.0 | 0.0 |
| G12 | 6/14 | 57-00 | 160-55 | Y33426 Z46432 | 36 | 3.6 | 0.0 | 97.0 | 0.0 | 0.0 | 97.0 | 0.0 |
| G13 | 6/14 | 57-00 | 160-20 | Y33340 Z46196 | 34 | 3.3 | 0.0 | 174.0 | 87.0 | 0.0 | 261.0 | 0.0 |
| G14 | 6/10 | 56-59 | 159-42 | Y33264 Z45947 | 29 | 3.3 | 0.0 | 102.0 | 0.0 | 0.0 | 102.0 | 0.0 |
| G18 | 8/ 3 | 56-49 | 168-36 | Y34860 Z49518 | 52 | . | 469.0 | 625.0 | 938.0 | 547.0 | 2578.0 | 21.2 |
| G18 | 8/ 3 | 56-59 | 168-20 | Y34757 Z49415 | 44 | 1.7 | 72.0 | 432.0 | 1511.0 | 2446.0 | 4460.0 | 54.8 |
| G19 | 7/15 | 57-01 | 168-56 | Y34883 Z49660 | 43 | 3.0 | 0.0 | 796.0 | 2743.0 | 2301.0 | 5841.0 | 39.4 |
| G19 | 8/ 3 | 56-49 | 169-14 | Y34991 Z49760 | 44 | 3.7 | 0.0 | 87.0 | 522.0 | 1565.0 | 2174.0 | 72.0 |
| G19 | 8/ 3 | 56-59 | 168-57 | Y34892 Z49662 | 43 | 2.8 | 156.0 | 547.0 | 1953.0 | 4609.0 | 7265.0 | 63.4 |
| G20 | 8/ 3 | 57-09 | 169-18 | Y34918 Z49799 | 38 | 3.6 | 229.0 | 1069.0 | 1908.0 | 5191.0 | 8397.0 | 61.8 |
| G20 | 8/ 9 | 56-50 | 169-53 | Y35104 Z49991 | 39 | 4.4 | 0.0 | 84.0 | 168.0 | 84.0 | 336.0 | 25.0 |
| G20 | 8/ 9 | 57-00 | 169-34 | Y35021 Z49905 | 33 | 3.1 | 0.0 | 138.0 | 414.0 | 138.0 | 690.0 | 20.0 |
| G21 | 8/10 | 56-50 | 170-29 | X18541 Y35135 | 55 | 3.7 | 0.0 | 0.0 | 320.0 | 160.0 | 480.0 | 33.3 |
| G21 | 8/11 | 56-58 | 170-08 | X18679 Y35130 | 40 | 3.9 | 0.0 | 0.0 | 81.0 | 81.0 | 163.0 | 49.7 |
| G22 | 8/11 | 56-59 | 170-47 | X18504 Y35093 | 51 | 3.4 | 0.0 | 0.0 | 0.0 | 444.0 | 444.0 | 100.0 |
| G23 | 9/ 1 | 57-00 | 171-25 | X18262 Z50180 | 59 | 4.1 | 72.0 | 0.0 | 935.0 | 1295.0 | 2302.0 | 56.3 |
| G24 | 9/ 2 | 57-01 | 172-00 | X18040 Y34904 | 63 | 3.7 | 2656.0 | 156.0 | 2656.0 | 3516.0 | 8984.0 | 39.1 |
| G25 | 9/ 2 | 56-59 | 172-38 | X17789 Y34816 | 66 | 3.5 | 551.0 | 0.0 | 236.0 | 157.0 | 945.0 | 16.6 |
| H01 | 7/30 | 57-20 | 167-43 | Y34498 Z49155 | 39 | 2.1 | 2093.0 | 4651.0 | 1240.0 | 2636.0 | 10620.0 | 24.8 |
| H02 | 7/30 | 57-20 | 167-07 | Y34376 Z48913 | 37 | .7 | 682.0 | 379.0 | 530.0 | 1061.0 | 2652.0 | 40.0 |
| H03 | 7/29 | 57-19 | 166-27 | Y34249 Z48648 | 37 | 1.7 | 26417.0 | 15673.0 | 351.0 | 965.0 | 43405.0 | 2.2 |
| H04 | 7/29 | 57-19 | 165-52 | Y34134 Z48411 | 36 | 1.2 | 81.0 | 323.0 | 161.0 | 1048.0 | 1613.0 | 65.0 |
| H05 | 7/24 | 57-19 | 165-13 | Y34011 Z48149 | 36 | .7 | 0.0 | 606.0 | 76.0 | 606.0 | 1288.0 | 47.0 |
| H06 | 7/23 | 57-21 | 164-37 | Y33895 Z47908 | 34 | 1.0 | 0.0 | 385.0 | 0.0 | 0.0 | 385.0 | 0.0 |
| H07 | 7/22 | 57-19 | 163-58 | Y33793 Z47654 | 33 | 1.2 | 0.0 | 233.0 | 78.0 | 0.0 | 310.0 | 0.0 |

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

TABLE 7 DATA FROM THE 1985 EASTERN BERING SEA TRAWL SURVEY WHERE OPILIO TANNER CRAB WERE TAKEN (CONTINUED)

| STATION | DATE | LATITUDE | LONGITUDE | LORAN C | DEPTH FTMS | BOTTOM TEMP | NUMBER PER SQUARE MILE | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MALES (SEE NOTE) | | | | |
| | | | | | | | FEMALES | SMALL | PRERECRUIT | LARGE | TOTAL | PERCENT LARGE |
| H08 | 6/27 | 57-18 | 163-23 | Y33698 Z47414 | 28 | 1.0 | 0.0 | 1017.0 | 339.0 | 85.0 | 1441.0 | 5.9 |
| H10 | 6/17 | 57-20 | 162-08 | Y33493 Z46915 | 26 | 3.3 | 0.0 | 0.0 | 152.0 | 0.0 | 152.0 | 0.0 |
| H11 | 6/16 | 57-20 | 161-30 | Y33400 Z46664 | 30 | 3.5 | 0.0 | 177.0 | 88.0 | 0.0 | 265.0 | 0.0 |
| H12 | 6/14 | 57-19 | 160-55 | Y33320 Z46428 | 34 | 2.8 | 0.0 | 91.0 | 0.0 | 0.0 | 91.0 | 0.0 |
| H18 | 8/ 3 | 57-09 | 168-37 | Y34763 Z49527 | 41 | 2.5 | 1630.0 | 2667.0 | 4667.0 | 4593.0 | 13556.0 | 33.9 |
| H18 | 8/ 4 | 57-19 | 168-22 | Y34641 Z49412 | 40 | 2.0 | 32353.0 | 78603.0 | 5074.0 | 4118.0 | 120147.0 | 3.4 |
| H19 | 7/15 | 57-20 | 168-59 | Y34767 Z49654 | 37 | 2.8 | 0.0 | 246.0 | 0.0 | 82.0 | 328.0 | 25.0 |
| H19 | 8/ 4 | 57-19 | 168-59 | Y34777 Z49659 | 37 | 3.3 | 246.0 | 410.0 | 1803.0 | 1721.0 | 4180.0 | 41.2 |
| H20 | 8/ 8 | 57-19 | 169-36 | Y34909 Z49899 | 33 | 2.3 | 827.0 | 1353.0 | 3910.0 | 5940.0 | 12030.0 | 49.4 |
| H22 | 8/12 | 57-19 | 170-52 | X18512 Y34957 | 45 | 3.6 | 6984.0 | 794.0 | 1349.0 | 635.0 | 9762.0 | 6.5 |
| H23 | 9/ 3 | 57-20 | 171-29 | X18279 Y34864 | 55 | 3.5 | 775.0 | 465.0 | 3566.0 | 5349.0 | 10155.0 | 52.7 |
| H24 | 9/ 3 | 57-20 | 172-07 | X18034 Y34771 | 59 | 3.7 | 3543.0 | 315.0 | 2205.0 | 6142.0 | 12204.0 | 50.3 |
| H26 | 9/ 2 | 57-19 | 173-20 | X17568 Y34603 | 65 | 3.6 | 0.0 | 0.0 | 161.0 | 0.0 | 161.0 | 0.0 |
| I01 | 7/30 | 57-40 | 167-45 | Y34354 Z49124 | 37 | 1.4 | 11297.0 | 25797.0 | 2627.0 | 1356.0 | 41077.0 | 3.3 |
| I02 | 7/30 | 57-32 | 167-08 | Y34292 Z48901 | 37 | .6 | 615.0 | 1308.0 | 385.0 | 769.0 | 3077.0 | 25.0 |
| I03 | 7/29 | 57-39 | 166-30 | Y34118 Z48636 | 35 | 2.5 | 2101.0 | 1681.0 | 84.0 | 1261.0 | 5126.0 | 24.6 |
| I04 | 7/29 | 57-39 | 165-53 | Y34001 Z48396 | 34 | 1.4 | 303.0 | 2273.0 | 227.0 | 379.0 | 3182.0 | 11.9 |
| I05 | 7/23 | 57-41 | 165-16 | Y33877 Z48149 | 32 | 1.5 | 0.0 | 1161.0 | 268.0 | 179.0 | 1607.0 | 11.1 |
| I06 | 7/23 | 57-40 | 164-36 | Y33762 Z47884 | 28 | 3.3 | 0.0 | 78.0 | 0.0 | 0.0 | 78.0 | 0.0 |
| I07 | 7/22 | 57-39 | 163-59 | Y33668 Z47641 | 27 | 3.9 | 0.0 | 81.0 | 0.0 | 0.0 | 81.0 | 0.0 |
| I18 | 8/ 4 | 57-30 | 168-45 | Y34640 Z49535 | 38 | 2.2 | 86400.0 | 70000.0 | 4080.0 | 3040.0 | 163520.0 | 1.9 |
| I18 | 8/ 4 | 57-39 | 168-24 | Y34487 Z49375 | 38 | 1.2 | 6911.0 | 11057.0 | 1626.0 | 2846.0 | 22439.0 | 12.7 |
| I19 | 8/ 4 | 57-29 | 169-12 | Y34735 Z49710 | 38 | 2.2 | 738.0 | 902.0 | 1885.0 | 3443.0 | 6968.0 | 49.4 |
| I19 | 8/ 4 | 57-39 | 169-02 | Y34606 Z49605 | 36 | 1.9 | 86631.0 | 83494.0 | 4407.0 | 2627.0 | 177159.0 | 1.5 |
| I19 | 7/15 | 57-40 | 169-02 | Y34595 Z49602 | 36 | 1.7 | 5636.0 | 2242.0 | 909.0 | 606.0 | 9394.0 | 6.5 |
| I20 | 8/ 8 | 57-39 | 169-36 | Y34698 Z49795 | 37 | 2.0 | 315.0 | 1417.0 | 3307.0 | 1969.0 | 7008.0 | 28.1 |
| I20 | 8/ 8 | 57-29 | 169-59 | Y34867 Z49974 | 36 | 3.2 | 2826.0 | 1014.0 | 4493.0 | 10000.0 | 18333.0 | 54.5 |
| I21 | 8/ 7 | 57-31 | 170-24 | X18620 Y34861 | 39 | . | 0.0 | 85.0 | 254.0 | 169.0 | 508.0 | 33.3 |
| I21 | 8/ 7 | 57-36 | 170-16 | X18630 Y34803 | 38 | 3.5 | 0.0 | 263.0 | 4035.0 | 4649.0 | 8947.0 | 52.0 |
| I22 | 8/12 | 57-39 | 170-53 | X18462 Y34753 | 45 | 3.0 | 161.0 | 242.0 | 484.0 | 726.0 | 1613.0 | 45.0 |
| I23 | 8/13 | 57-39 | 171-32 | X18248 Y34683 | 54 | 3.2 | 79.0 | 0.0 | 1102.0 | 1732.0 | 2914.0 | 59.4 |
| I24 | 8/13 | 57-40 | 172-10 | X18023 Y34607 | 58 | 2.7 | 143.0 | 0.0 | 286.0 | 429.0 | 857.0 | 50.1 |
| I25 | 8/13 | 57-40 | 172-48 | X17791 Y34526 | 65 | 2.8 | 0.0 | 0.0 | 157.0 | 0.0 | 157.0 | 0.0 |
| J01 | 7/29 | 57-59 | 167-47 | Y34191 Z49079 | 36 | . | 1552.0 | 7328.0 | 690.0 | 431.0 | 10000.0 | 4.3 |
| J02 | 7/30 | 57-59 | 167-09 | Y34074 Z48842 | 34 | .7 | 154.0 | 1692.0 | 308.0 | 462.0 | 2616.0 | 17.7 |
| J03 | 7/29 | 57-59 | 166-32 | Y33966 Z48609 | 32 | 1.8 | 248.0 | 248.0 | 0.0 | 83.0 | 579.0 | 14.3 |
| J04 | 7/29 | 57-59 | 165-54 | Y33847 Z48363 | 29 | 3.0 | 74.0 | 74.0 | 0.0 | 0.0 | 148.0 | 0.0 |
| J07 | 7/22 | 57-59 | 163-59 | Y33527 Z47618 | 24 | 5.1 | 0.0 | 0.0 | 85.0 | 0.0 | 85.0 | 0.0 |
| J18 | 8/ 4 | 57-59 | 168-26 | Y34301 Z49310 | 37 | .7 | 840.0 | 5878.0 | 1298.0 | 1374.0 | 9390.0 | 14.6 |
| J18 | 8/ 4 | 57-49 | 168-44 | Y34453 Z49455 | 38 | 1.0 | 544.0 | 1429.0 | 816.0 | 340.0 | 3129.0 | 10.9 |
| J19 | 8/ 4 | 57-49 | 169-22 | Y34558 Z49671 | 35 | 2.2 | 261.0 | 1826.0 | 3217.0 | 1739.0 | 7044.0 | 24.7 |
| J19 | 8/ 4 | 57-59 | 169-05 | Y34401 Z49524 | 36 | 1.4 | 368.0 | 1765.0 | 3456.0 | 1250.0 | 6839.0 | 18.3 |
| J19 | 7/15 | 58-00 | 169-04 | Y34389 Z49516 | 37 | .7 | 781.0 | 1172.0 | 859.0 | 938.0 | 3750.0 | 25.0 |
| J20 | 8/ 5 | 58-00 | 169-42 | Y34470 Z49699 | 37 | 1.3 | 155.0 | 1473.0 | 2636.0 | 2016.0 | 6279.0 | 32.1 |
| J20 | 8/ 5 | 57-49 | 169-58 | Y34622 Z49836 | 39 | 1.8 | 469.0 | 781.0 | 1328.0 | 1172.0 | 3750.0 | 31.3 |

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

TABLE 7 DATA FROM THE 1985 EASTERN BERING SEA TRAWL SURVEY WHERE OPILIO TANNER CRAB WERE TAKEN (CONTINUED)

| STATION | DATE | LATITUDE | LONGITUDE | LORAN C | DEPTH FTMS | BOTTOM TEMP | NUMBER PER SQUARE MILE | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MALES (SEE NOTE) | | | | |
| | | | | | | | FEMALES | SMALL | PRERECRUIT | LARGE | TOTAL | PERCENT LARGE |
| J21 | 8/ 5 | 58-00 | 170-18 | Y34514 Z49838 | 39 | 2.3 | 476.0 | 2063.0 | 3730.0 | 2540.0 | 8809.0 | 28.8 |
| J21 | 8/ 5 | 57-50 | 170-36 | Y34636 Z49953 | 41 | 3.8 | 0.0 | 273.0 | 2091.0 | 1364.0 | 3727.0 | 36.6 |
| J22 | 8/12 | 57-59 | 170-58 | X18381 Y34517 | 46 | 2.8 | 0.0 | 156.0 | 1328.0 | 1328.0 | 2813.0 | 47.2 |
| J23 | 8/12 | 58-00 | 171-35 | X18199 Y34473 | 53 | 2.6 | 78.0 | 78.0 | 1705.0 | 1395.0 | 3256.0 | 42.8 |
| J24 | 8/12 | 58-00 | 172-13 | X17994 Y34418 | 57 | 2.3 | 156.0 | 0.0 | 547.0 | 313.0 | 1015.0 | 30.8 |
| J25 | 8/12 | 58-00 | 172-51 | X17780 Y34353 | 59 | 2.5 | 81.0 | 81.0 | 163.0 | 244.0 | 569.0 | 42.9 |
| J26 | 8/13 | 57-59 | 173-29 | X17557 Y34288 | 64 | 2.6 | 77.0 | 0.0 | 154.0 | 385.0 | 615.0 | 62.6 |
| K01 | 7/ 3 | 58-20 | 167-46 | Y33986 Z48994 | 32 | . | 27186.0 | 52667.0 | 171.0 | 0.0 | 80024.0 | 0.0 |
| K02 | 7/ 3 | 58-19 | 167-11 | Y33894 Z48787 | 27 | . | 1301.0 | 1382.0 | 0.0 | 0.0 | 2683.0 | 0.0 |
| K03 | 7/ 2 | 58-21 | 166-32 | Y33772 Z48551 | 25 | . | 0.0 | 93.0 | 0.0 | 0.0 | 93.0 | 0.0 |
| K18 | 7/ 6 | 58-19 | 168-29 | Y34095 Z49232 | 35 | .4 | 242.0 | 968.0 | 323.0 | 565.0 | 2097.0 | 26.9 |
| K19 | 7/14 | 58-20 | 169-06 | Y34165 Z49413 | 36 | 1.0 | 625.0 | 1563.0 | 1250.0 | 1406.0 | 4844.0 | 29.0 |
| K20 | 7/ 7 | 58-19 | 169-43 | Y34240 Z49585 | 37 | .9 | 2177.0 | 1774.0 | 7016.0 | 4516.0 | 15483.0 | 29.2 |
| K21 | 7/12 | 58-20 | 170-23 | Y34265 Z49721 | 40 | .6 | 462.0 | 1154.0 | 5000.0 | 5615.0 | 12231.0 | 45.9 |
| K22 | 7/10 | 58-20 | 171-01 | Y34270 Z49820 | 45 | .5 | 1260.0 | 1339.0 | 12913.0 | 11496.0 | 27008.0 | 42.6 |
| K23 | 7/12 | 58-21 | 171-39 | Y34230 Z49879 | 52 | 2.0 | 2667.0 | 381.0 | 1333.0 | 667.0 | 5048.0 | 13.2 |
| K24 | 7/10 | 58-20 | 172-17 | Y34210 Z49936 | 56 | 2.2 | 2823.0 | 1935.0 | 1129.0 | 887.0 | 6775.0 | 13.1 |
| K26 | 7/15 | 58-19 | 173-34 | Y34101 Z49992 | 63 | 2.9 | 476.0 | 0.0 | 476.0 | 1190.0 | 2143.0 | 55.5 |
| K27 | 7/ 8 | 58-20 | 174-18 | Y34027 Z50008 | 80 | 3.2 | 0.0 | 0.0 | 0.0 | 517.0 | 517.0 | 100.0 |
| L01 | 7/ 3 | 58-39 | 167-52 | Y33792 Z48941 | 24 | . | 1520.0 | 4960.0 | 0.0 | 0.0 | 6480.0 | 0.0 |
| L02 | 7/ 3 | 58-39 | 167-11 | Y33692 Z48716 | 23 | . | 81.0 | 0.0 | 0.0 | 0.0 | 81.0 | 0.0 |
| L18 | 7/ 6 | 58-40 | 168-30 | Y33867 Z49132 | 29 | 1.6 | 2984.0 | 5161.0 | 0.0 | 0.0 | 8145.0 | 0.0 |
| L19 | 7/14 | 58-40 | 169-08 | Y33932 Z49309 | 33 | . | 4463.0 | 7686.0 | 1157.0 | 248.0 | 13554.0 | 1.8 |
| L20 | 7/ 7 | 58-39 | 169-47 | Y34005 Z49477 | 36 | .0 | 296.0 | 2074.0 | 14741.0 | 3259.0 | 20370.0 | 16.0 |
| L21 | 7/12 | 58-39 | 170-25 | Y34033 Z49607 | 39 | .3 | 413.0 | 1405.0 | 5620.0 | 2975.0 | 10413.0 | 28.6 |
| L22 | 7/10 | 58-40 | 171-04 | Y34035 Z49707 | 45 | .0 | 923.0 | 1385.0 | 8923.0 | 5462.0 | 16692.0 | 32.7 |
| L23 | 7/12 | 58-40 | 171-42 | Y34023 Z49784 | 50 | 1.6 | 0.0 | 1111.0 | 2308.0 | 1368.0 | 4786.0 | 28.6 |
| L24 | 7/10 | 58-40 | 172-22 | Y33990 Z49840 | 55 | 2.0 | 23458.0 | 12867.0 | 833.0 | 167.0 | 37325.0 | 0.4 |
| L25 | 7/ 9 | 58-40 | 173-00 | Y33951 Z49882 | 61 | 2.3 | 1917.0 | 417.0 | 417.0 | 250.0 | 3000.0 | 8.3 |
| L26 | 7/15 | 58-40 | 173-38 | Y33904 Z49913 | 69 | 2.8 | 81.0 | 81.0 | 569.0 | 569.0 | 1301.0 | 43.7 |
| L27 | 7/ 8 | 58-40 | 174-16 | Y33849 Z49934 | 83 | 2.9 | 0.0 | 85.0 | 1780.0 | 4068.0 | 5932.0 | 68.6 |
| L28 | 7/16 | 58-40 | 174-54 | Y33804 Z49954 | 110 | 3.1 | 0.0 | 0.0 | 0.0 | 78.0 | 78.0 | 100.0 |
| L29 | 7/18 | 58-39 | 175-34 | Y33755 Z49971 | 73 | 2.5 | 0.0 | 0.0 | 0.0 | 152.0 | 152.0 | 100.0 |
| L30 | 7/18 | 58-39 | 176-11 | Y33699 Z49980 | 75 | 2.1 | 69.0 | 69.0 | 69.0 | 0.0 | 208.0 | 0.0 |
| L31 | 7/22 | 58-39 | 176-51 | Y33649 Z49989 | 73 | 2.2 | 254.0 | 169.0 | 85.0 | 169.0 | 678.0 | 24.9 |
| M01 | 7/ 3 | 58-59 | 167-53 | Y33575 Z48854 | 22 | . | 0.0 | 439.0 | 0.0 | 0.0 | 439.0 | 0.0 |
| M18 | 7/ 6 | 59-00 | 168-32 | Y33636 Z49037 | 25 | 2.5 | 0.0 | 227.0 | 0.0 | 0.0 | 227.0 | 0.0 |
| M19 | 7/14 | 59-00 | 169-11 | Y33698 Z49208 | 28 | 2.0 | 0.0 | 313.0 | 234.0 | 0.0 | 547.0 | 0.0 |
| M20 | 7/ 7 | 58-59 | 169-50 | Y33762 Z49367 | 34 | .2 | 79.0 | 2047.0 | 13622.0 | 1496.0 | 17244.0 | 8.7 |
| M21 | 7/13 | 58-58 | 170-28 | Y33798 Z49496 | 38 | -.4 | 932.0 | 7797.0 | 21864.0 | 2203.0 | 32796.0 | 6.7 |
| M22 | 7/ 9 | 58-59 | 171-08 | Y33806 Z49600 | 42 | -.5 | 887.0 | 1452.0 | 8065.0 | 2419.0 | 12822.0 | 18.9 |
| M23 | 7/11 | 59-00 | 171-47 | Y33782 Z49674 | 46 | .5 | 1610.0 | 2119.0 | 6102.0 | 1695.0 | 11525.0 | 14.7 |
| M24 | 7/11 | 59-00 | 172-26 | Y33768 Z49742 | 54 | 1.5 | 1322.0 | 1901.0 | 1570.0 | 909.0 | 5702.0 | 15.9 |
| M25 | 7/ 9 | 58-59 | 173-05 | Y33750 Z49797 | 58 | 1.8 | 2114.0 | 1463.0 | 569.0 | 163.0 | 4309.0 | 3.8 |
| M26 | 7/15 | 59-00 | 173-43 | Y33705 Z49831 | 64 | 2.1 | 902.0 | 82.0 | 574.0 | 738.0 | 2295.0 | 32.2 |

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

TABLE 7 DATA FROM THE 1985 EASTERN BERING SEA TRAWL SURVEY WHERE OPILIO TANNER CRAB WERE TAKEN (CONTINUED)

| STATION | DATE | LATITUDE | LONGITUDE | LORAN C | DEPTH FTMS | BOTTOM TEMP | NUMBER PER SQUARE MILE | | | | | PERCENT LARGE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MALES (SEE NOTE) | | | | |
| | | | | | | | FEMALES | SMALL | PRERECRUIT | LARGE | TOTAL | |
| M27 | 7/ 8 | 59-00 | 174-22 | Y33662 Z49861 | 69 | 2.1 | 79.0 | 635.0 | 1825.0 | 1984.0 | 4523.0 | 43.9 |
| M28 | 7/16 | 58-59 | 175-00 | Y33625 Z49887 | 71 | 2.3 | 78.0 | 78.0 | 78.0 | 78.0 | 312.0 | 25.0 |
| M29 | 7/18 | 58-59 | 175-45 | Y33573 Z49909 | 72 | 1.8 | 493.0 | 70.0 | 70.0 | 282.0 | 916.0 | 30.8 |
| M30 | 7/19 | 59-00 | 176-21 | Y33525 Z49921 | 75 | 1.7 | 175.0 | 175.0 | 88.0 | 175.0 | 614.0 | 28.5 |
| M31 | 7/21 | 59-00 | 176-58 | Y33483 Z49933 | 74 | 2.0 | 0.0 | 79.0 | 0.0 | 0.0 | 79.0 | 0.0 |
| M32 | 7/21 | 58-59 | 177-37 | Y33440 Z49944 | 74 | 2.5 | 71.0 | 0.0 | 71.0 | 214.0 | 357.0 | 59.9 |
| N18 | 7/ 6 | 59-20 | 168-34 | Y33441 Z48949 | 22 | 2.8 | 157.0 | 0.0 | 0.0 | 0.0 | 157.0 | 0.0 |
| N20 | 7/ 7 | 59-19 | 169-52 | Y33522 Z49259 | 32 | .2 | 73.0 | 2409.0 | 9781.0 | 584.0 | 12847.0 | 4.5 |
| N21 | 7/13 | 59-18 | 170-31 | Y33558 Z49387 | 36 | -.7 | 579.0 | 6364.0 | 9669.0 | 413.0 | 17025.0 | 2.4 |
| N22 | 7/ 9 | 59-20 | 171-11 | Y33551 Z49483 | 41 | -1.0 | 12033.0 | 5445.0 | 4914.0 | 398.0 | 22791.0 | 1.7 |
| N23 | 7/11 | 59-20 | 171-54 | Y33551 Z49577 | 43 | -.2 | 17999.0 | 9649.0 | 7368.0 | 1579.0 | 36595.0 | 4.3 |
| N24 | 7/11 | 59-20 | 172-31 | Y33540 Z49642 | 48 | .5 | 1351.0 | 608.0 | 2095.0 | 2838.0 | 6892.0 | 41.2 |
| N25 | 7/ 9 | 59-18 | 173-08 | Y33544 Z49708 | 54 | 1.4 | 551.0 | 79.0 | 394.0 | 236.0 | 1260.0 | 18.7 |
| N26 | 7/15 | 59-20 | 173-48 | Y33497 Z49746 | 60 | 1.6 | 6568.0 | 606.0 | 152.0 | 76.0 | 7401.0 | 1.0 |
| N27 | 7/ 7 | 59-20 | 174-27 | Y33465 Z49781 | 65 | 2.0 | 2049.0 | 902.0 | 1393.0 | 410.0 | 4754.0 | 8.6 |
| N28 | 7/16 | 59-19 | 175-07 | Y33436 Z49814 | 72 | 2.0 | 2932.0 | 526.0 | 1203.0 | 1805.0 | 6466.0 | 27.9 |
| N29 | 7/18 | 59-20 | 175-45 | Y33396 Z49837 | 75 | .7 | 156.0 | 0.0 | 313.0 | 781.0 | 1250.0 | 62.5 |
| N30 | 7/19 | 59-19 | 176-23 | Y33365 Z49859 | 74 | 1.2 | 0.0 | 161.0 | 81.0 | 323.0 | 565.0 | 57.2 |
| N31 | 7/21 | 59-19 | 177-05 | Y33321 Z49875 | 81 | 2.5 | 81.0 | 161.0 | 0.0 | 161.0 | 404.0 | 39.9 |
| O19 | 7/14 | 59-40 | 169-16 | Y33221 Z49009 | 24 | 2.3 | 81.0 | 407.0 | 163.0 | 0.0 | 650.0 | 0.0 |
| O20 | 7/ 7 | 59-40 | 169-55 | Y33264 Z49150 | 30 | .7 | 0.0 | 1290.0 | 726.0 | 0.0 | 2016.0 | 0.0 |
| O21 | 7/13 | 59-39 | 170-34 | Y33310 Z49280 | 35 | -.7 | 945.0 | 8898.0 | 7559.0 | 315.0 | 17717.0 | 1.8 |
| O22 | 7/ 9 | 59-40 | 171-15 | Y33312 Z49380 | 39 | -1.3 | 11460.0 | 10929.0 | 8371.0 | 465.0 | 31225.0 | 1.5 |
| O23 | 7/11 | 59-40 | 171-55 | Y33319 Z49471 | 41 | -1.2 | 35573.0 | 26576.0 | 776.0 | 259.0 | 63184.0 | 0.4 |
| O24 | 7/11 | 59-39 | 172-34 | Y33325 Z49549 | 46 | -.5 | 2647.0 | 4485.0 | 3750.0 | 368.0 | 11250.0 | 3.3 |
| O24 | 7/11 | 59-29 | 172-52 | Y33431 Z49629 | 51 | .7 | 373.0 | 597.0 | 1866.0 | 2537.0 | 5373.0 | 47.2 |
| O25 | 7/ 9 | 59-39 | 173-15 | Y33321 Z49616 | 51 | 1.0 | 238.0 | 159.0 | 714.0 | 317.0 | 1428.0 | 22.2 |
| O25 | 7/ 9 | 59-29 | 173-29 | Y33410 Z49679 | 55 | 1.0 | 472.0 | 630.0 | 1417.0 | 630.0 | 3149.0 | 20.0 |
| O26 | 7/15 | 59-40 | 173-53 | Y33291 Z49659 | 57 | 1.0 | 1308.0 | 1000.0 | 385.0 | 692.0 | 3385.0 | 20.4 |
| O27 | 7/ 7 | 59-40 | 174-27 | Y33264 Z49694 | 62 | 1.6 | 2857.0 | 420.0 | 1681.0 | 924.0 | 5882.0 | 15.7 |
| O28 | 7/16 | 59-38 | 175-11 | Y33260 Z49744 | 69 | 2.0 | 3212.0 | 438.0 | 949.0 | 876.0 | 5475.0 | 16.0 |
| O29 | 7/18 | 59-40 | 175-52 | Y33211 Z49767 | 75 | 1.8 | 325.0 | 0.0 | 569.0 | 1301.0 | 2195.0 | 59.3 |
| O30 | 7/19 | 59-39 | 176-32 | Y33183 Z49792 | 74 | 1.1 | 152.0 | 76.0 | 303.0 | 1061.0 | 1591.0 | 66.7 |
| O31 | 7/21 | 59-39 | 177-10 | Y33150 Z49810 | 92 | 2.0 | 0.0 | 78.0 | 0.0 | 0.0 | 78.0 | 0.0 |
| P18 | 7/ 5 | 60-00 | 168-40 | Y32933 Z48770 | 20 | 2.1 | 169.0 | 169.0 | 0.0 | 0.0 | 338.0 | 0.0 |
| P19 | 7/14 | 60-00 | 169-18 | Y32984 Z48914 | 24 | .0 | 3984.0 | 5854.0 | 163.0 | 0.0 | 10000.0 | 0.0 |
| P20 | 7/ 8 | 59-59 | 169-57 | Y33030 Z49052 | 29 | -.3 | 0.0 | 388.0 | 698.0 | 0.0 | 1085.0 | 0.0 |
| P21 | 7/13 | 59-59 | 170-38 | Y33070 Z49178 | 34 | -1.0 | 1061.0 | 14924.0 | 10530.0 | 152.0 | 26667.0 | 0.6 |
| P22 | 7/ 9 | 60-00 | 171-18 | Y33078 Z49280 | 38 | -1.2 | 33605.0 | 21667.0 | 5778.0 | 0.0 | 61049.0 | 0.0 |
| P23 | 7/11 | 60-00 | 171-57 | Y33089 Z49369 | 36 | -.7 | 484.0 | 6532.0 | 7339.0 | 81.0 | 14436.0 | 0.6 |
| P23 | 7/11 | 59-49 | 172-14 | Y33214 Z49461 | 41 | -1.1 | 101532.0 | 92190.0 | 1032.0 | 397.0 | 195151.0 | 0.2 |
| P24 | 7/12 | 59-59 | 172-38 | Y33102 Z49455 | 35 | -.7 | 2891.0 | 6406.0 | 547.0 | 0.0 | 9844.0 | 0.0 |
| P24 | 7/12 | 59-50 | 172-55 | Y33202 Z49530 | 44 | -1.0 | 157073.0 | 148943.0 | 1545.0 | 244.0 | 307805.0 | 0.1 |
| P25 | 7/ 9 | 59-49 | 173-34 | Y33205 Z49593 | 51 | .7 | 1967.0 | 2623.0 | 1639.0 | 410.0 | 6639.0 | 6.2 |
| P25 | 7/10 | 59-59 | 173-18 | Y33101 Z49521 | 41 | -.7 | 44408.0 | 34026.0 | 1842.0 | 0.0 | 80276.0 | 0.0 |

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

TABLE 7 DATA FROM THE 1985 EASTERN BERING SEA TRAWL SURVEY WHERE OPILIO TANNER CRAB WERE TAKEN (CONTINUED)

| STATION | DATE | LATITUDE | LONGITUDE | LORAN C | DEPTH FTMS | BOTTOM TEMP | NUMBER PER SQUARE MILE | | | | | PERCENT LARGE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MALES (SEE NOTE) | | | | |
| | | | | | | | FEMALES | SMALL | PRERECRUIT | LARGE | TOTAL | |
| P26 | 7/15 | 59-49 | 174-14 | Y33179 Z49639 | 58 | . | 687.0 | 687.0 | 1145.0 | 458.0 | 2977.0 | 15.4 |
| P26 | 7/14 | 60-00 | 173-57 | Y33081 Z49572 | 53 | 1.0 | 24299.0 | 4627.0 | 2388.0 | 896.0 | 32209.0 | 2.8 |
| P27 | 7/ 7 | 60-00 | 174-37 | Y33039 Z49616 | 58 | 1.2 | 0.0 | 86.0 | 948.0 | 862.0 | 1897.0 | 45.4 |
| P28 | 7/16 | 59-59 | 175-16 | Y33050 Z49659 | 64 | 1.5 | 4599.0 | 292.0 | 949.0 | 511.0 | 6351.0 | 8.0 |
| P29 | 7/17 | 60-00 | 175-56 | Y33026 Z49692 | 71 | 1.6 | 3701.0 | 236.0 | 551.0 | 551.0 | 5040.0 | 10.9 |
| P30 | 7/19 | 59-59 | 176-43 | Y32999 Z49725 | 77 | 1.8 | 0.0 | 0.0 | 1111.0 | 1026.0 | 2137.0 | 48.0 |
| P31 | 7/20 | 59-59 | 177-13 | Y32981 Z49743 | 75 | .5 | 0.0 | 234.0 | 156.0 | 547.0 | 938.0 | 58.3 |
| P32 | 7/21 | 59-59 | 177-53 | Y32957 Z49765 | 77 | 1.0 | 0.0 | 0.0 | 0.0 | 169.0 | 169.0 | 100.0 |
| Q19 | 7/14 | 60-20 | 169-20 | Y32746 Z48824 | 23 | 1.0 | 0.0 | 2276.0 | 1301.0 | 0.0 | 3577.0 | 0.0 |
| Q20 | 7/ 8 | 60-19 | 170-02 | Y32794 Z48964 | 28 | -.5 | 0.0 | 2500.0 | 1016.0 | 0.0 | 3516.0 | 0.0 |
| Q21 | 7/13 | 60-18 | 170-39 | Y32832 Z49077 | 33 | -1.0 | 1811.0 | 20000.0 | 17795.0 | 0.0 | 39606.0 | 0.0 |
| Q22 | 7/ 9 | 60-19 | 171-22 | Y32846 Z49185 | 36 | -1.1 | 9260.0 | 14635.0 | 3136.0 | 0.0 | 27031.0 | 0.0 |
| Q23 | 7/10 | 60-10 | 172-13 | Y32978 Z49352 | 31 | .2 | 0.0 | 190.0 | 0.0 | 0.0 | 190.0 | 0.0 |
| Q23 | 7/10 | 60-19 | 172-03 | Y32866 Z49282 | 32 | -.5 | 0.0 | 1311.0 | 738.0 | 0.0 | 2049.0 | 0.0 |
| Q25 | 7/10 | 60-18 | 173-25 | Y32886 Z49436 | 83 | .2 | 244.0 | 244.0 | 0.0 | 0.0 | 488.0 | 0.0 |
| Q25 | 7/10 | 60-09 | 173-34 | Y32989 Z49496 | 39 | -.7 | 7105.0 | 9386.0 | 2193.0 | 88.0 | 18772.0 | 0.5 |
| Q26 | 7/14 | 60-10 | 174-21 | Y32970 Z49555 | 54 | .7 | 1953.0 | 3438.0 | 2188.0 | 313.0 | 7891.0 | 4.0 |
| Q26 | 7/14 | 60-20 | 174-05 | Y32868 Z49488 | 49 | .5 | 18328.0 | 15246.0 | 2951.0 | 820.0 | 37344.0 | 2.2 |
| Q27 | 7/ 7 | 60-20 | 174-44 | Y32856 Z49535 | 55 | 1.0 | 492.0 | 820.0 | 820.0 | 656.0 | 2787.0 | 23.5 |
| Q28 | 7/17 | 60-19 | 175-23 | Y32855 Z49583 | 61 | 1.3 | 3594.0 | 469.0 | 469.0 | 1094.0 | 5625.0 | 19.4 |
| Q29 | 7/17 | 60-19 | 176-02 | Y32842 Z49619 | 66 | 1.5 | 248.0 | 0.0 | 248.0 | 1653.0 | 2149.0 | 76.9 |
| Q30 | 7/19 | 60-19 | 176-43 | Y32825 Z49652 | 74 | 1.1 | 152.0 | 227.0 | 8712.0 | 1439.0 | 10531.0 | 13.7 |
| Q31 | 7/20 | 60-19 | 177-22 | Y32806 Z49678 | 81 | 1.1 | 0.0 | 0.0 | 379.0 | 379.0 | 758.0 | 50.0 |
| R22 | 7/ 8 | 60-40 | 171-26 | Y32607 Z49092 | 34 | -1.2 | 4561.0 | 6545.0 | 364.0 | 0.0 | 11470.0 | 0.0 |
| R23 | 7/ 6 | 60-39 | 172-09 | Y32643 Z49195 | 33 | -1.5 | 28827.0 | 36055.0 | 650.0 | 0.0 | 65533.0 | 0.0 |
| R25 | 7/ 6 | 60-40 | 173-28 | Y32653 Z49339 | 34 | .0 | 1654.0 | 5039.0 | 0.0 | 0.0 | 6693.0 | 0.0 |
| R26 | 7/14 | 60-40 | 174-09 | Y32654 Z49400 | 47 | -.3 | 21488.0 | 17054.0 | 775.0 | 0.0 | 39317.0 | 0.0 |
| R27 | 7/ 7 | 60-39 | 174-45 | Y32669 Z49455 | 52 | .6 | 26600.0 | 7500.0 | 4417.0 | 1417.0 | 39933.0 | 3.5 |
| R28 | 7/17 | 60-39 | 175-27 | Y32659 Z49502 | 58 | 1.0 | 0.0 | 236.0 | 709.0 | 2362.0 | 3307.0 | 71.4 |
| R29 | 7/17 | 60-40 | 176-12 | Y32649 Z49546 | 64 | 1.2 | 1136.0 | 76.0 | 909.0 | 2273.0 | 4394.0 | 51.7 |
| R30 | 7/20 | 60-39 | 176-48 | Y32643 Z49578 | 70 | 1.3 | 238.0 | 159.0 | 1111.0 | 635.0 | 2143.0 | 29.6 |
| R31 | 7/20 | 60-39 | 177-31 | Y32631 Z49611 | 80 | .9 | 80.0 | 160.0 | 160.0 | 640.0 | 1040.0 | 61.5 |
| R32 | 7/20 | 60-39 | 178-11 | Y32618 Z49637 | 88 | 2.1 | 0.0 | 0.0 | 0.0 | 227.0 | 227.0 | 100.0 |
| S22 | 7/ 8 | 60-59 | 171-28 | Y32383 Z49001 | 32 | -1.3 | 7854.0 | 15797.0 | 545.0 | 0.0 | 24195.0 | 0.0 |
| S23 | 7/ 6 | 60-59 | 172-10 | Y32415 Z49101 | 34 | -1.5 | 54555.0 | 63623.0 | 0.0 | 0.0 | 118178.0 | 0.0 |
| S24 | 7/13 | 60-59 | 172-49 | Y32428 Z49178 | 36 | -1.0 | 10913.0 | 15708.0 | 331.0 | 0.0 | 26951.0 | 0.0 |
| S25 | 7/ 6 | 60-59 | 173-29 | Y32444 Z49250 | 40 | 1.7 | 38598.0 | 49288.0 | 551.0 | 0.0 | 88437.0 | 0.0 |
| S26 | 7/14 | 60-59 | 174-10 | Y32453 Z49315 | 45 | -.4 | 11841.0 | 21085.0 | 1705.0 | 0.0 | 34632.0 | 0.0 |

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

TABLE 8 DATA FROM THE 1985 EASTERN BERING SEA TRAWL SURVEY WHERE KOREAN HAIR CRAB WERE TAKEN

| STATION | DATE | LATITUDE | LONGITUDE | LORAN C | DEPTH FTMS | BOTTOM TEMP | NUMBER PER SQUARE MILE | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | MALES (SEE NOTE) | | | | |
| | | | | | | | FEMALES | SMALL | PRERECRUIT | LARGE | TOTAL | PERCENT LARGE |
| C08 | 6/26 | 55-38 | 163-24 | Y34177 Z47431 | 42 | 3.2 | 0.0 | 0.0 | 190.0 | 95.0 | 286.0 | 33.2 |
| D06 | 7/25 | 56-00 | 164-33 | Y34286 Z47891 | 50 | 3.0 | 0.0 | 0.0 | 0.0 | 83.0 | 83.0 | 100.0 |
| D09 | 6/21 | 56-00 | 162-48 | Y33999 Z47205 | 43 | 3.7 | 0.0 | 0.0 | 238.0 | 79.0 | 317.0 | 24.9 |
| D10 | 6/17 | 56-00 | 162-12 | Y33904 Z46962 | 37 | 3.9 | 0.0 | 86.0 | 0.0 | 86.0 | 172.0 | 50.0 |
| E11 | 6/16 | 56-20 | 161-37 | Y33728 Z46730 | 33 | 3.7 | 90.0 | 0.0 | 0.0 | 0.0 | 90.0 | 0.0 |
| E12 | 6/ 9 | 56-20 | 160-58 | Y33629 Z46470 | 28 | 3.7 | 0.0 | 0.0 | 0.0 | 81.0 | 81.0 | 100.0 |
| E22 | 8/11 | 56-20 | 170-41 | X18268 Y35136 | 66 | 3.8 | 0.0 | 0.0 | 0.0 | 81.0 | 81.0 | 100.0 |
| F20 | 8/ 9 | 56-42 | 169-30 | Y35056 Z49839 | 41 | 3.8 | 0.0 | 0.0 | 0.0 | 81.0 | 81.0 | 100.0 |
| F24 | 9/ 1 | 56-39 | 172-01 | X17950 Z50164 | 70 | 4.1 | 0.0 | 82.0 | 0.0 | 0.0 | 82.0 | 0.0 |
| G09 | 6/20 | 57-00 | 162-46 | Y33705 Z47180 | 31 | 1.9 | 0.0 | 0.0 | 0.0 | 79.0 | 79.0 | 100.0 |
| G11 | 6/16 | 57-00 | 161-33 | Y33520 Z46690 | 37 | 2.7 | 77.0 | 0.0 | 0.0 | 77.0 | 154.0 | 50.0 |
| G19 | 8/ 3 | 56-59 | 168-57 | Y34892 Z49662 | 43 | 2.8 | 0.0 | 0.0 | 0.0 | 78.0 | 78.0 | 100.0 |
| G20 | 8/ 9 | 56-50 | 169-53 | Y35104 Z49991 | 39 | 4.4 | 0.0 | 0.0 | 84.0 | 1176.0 | 1261.0 | 93.3 |
| G20 | 8/ 9 | 57-00 | 169-34 | Y35021 Z49905 | 33 | 3.1 | 138.0 | 0.0 | 69.0 | 345.0 | 552.0 | 62.5 |
| G21 | 8/11 | 56-58 | 170-08 | X18679 Y35130 | 40 | 3.9 | 0.0 | 0.0 | 0.0 | 894.0 | 894.0 | 100.0 |
| H02 | 7/30 | 57-20 | 167-07 | Y34376 Z48913 | 37 | .7 | 0.0 | 0.0 | 0.0 | 76.0 | 76.0 | 100.0 |
| H18 | 8/ 4 | 57-19 | 168-22 | Y34641 Z49412 | 40 | 2.0 | 0.0 | 0.0 | 0.0 | 221.0 | 221.0 | 100.0 |
| H19 | 8/ 4 | 57-19 | 168-59 | Y34777 Z49659 | 37 | 3.3 | 0.0 | 0.0 | 0.0 | 1721.0 | 1721.0 | 100.0 |
| H19 | 7/15 | 57-20 | 168-59 | Y34767 Z49654 | 37 | 2.8 | 0.0 | 0.0 | 0.0 | 820.0 | 820.0 | 100.0 |
| H20 | 8/ 8 | 57-19 | 169-36 | Y34909 Z49899 | 33 | 2.3 | 75.0 | 0.0 | 0.0 | 226.0 | 301.0 | 75.1 |
| H20 | 8/ 8 | 57-09 | 169-54 | Y35053 Z50042 | 26 | . | 240.0 | 0.0 | 0.0 | 960.0 | 1200.0 | 80.0 |
| H21 | 8/11 | 57-06 | 170-26 | X18663 Y35120 | 26 | 5.7 | 328.0 | 0.0 | 410.0 | 1230.0 | 1967.0 | 62.5 |
| H22 | 8/12 | 57-19 | 170-52 | X18512 Y34957 | 45 | 3.6 | 0.0 | 0.0 | 238.0 | 79.0 | 317.0 | 24.9 |
| I01 | 7/30 | 57-40 | 167-45 | Y34354 Z49124 | 37 | 1.4 | 0.0 | 0.0 | 0.0 | 254.0 | 254.0 | 100.0 |
| I02 | 7/30 | 57-32 | 167-08 | Y34292 Z48901 | 37 | .6 | 0.0 | 0.0 | 0.0 | 77.0 | 77.0 | 100.0 |
| I06 | 7/23 | 57-40 | 164-36 | Y33762 Z47884 | 28 | 3.3 | 0.0 | 0.0 | 0.0 | 78.0 | 78.0 | 100.0 |
| I09 | 6/20 | 57-40 | 162-45 | Y33460 Z47148 | 23 | 2.5 | 0.0 | 0.0 | 0.0 | 0.0 | 83.0 | 0.0 |
| I18 | 8/ 4 | 57-39 | 168-24 | Y34487 Z49375 | 38 | 1.2 | 0.0 | 0.0 | 0.0 | 81.0 | 81.0 | 100.0 |
| I18 | 8/ 4 | 57-30 | 168-45 | Y34640 Z49535 | 38 | 2.2 | 0.0 | 0.0 | 0.0 | 160.0 | 160.0 | 100.0 |
| I19 | 8/ 4 | 57-29 | 169-12 | Y34735 Z49710 | 38 | 2.2 | 0.0 | 0.0 | 0.0 | 164.0 | 164.0 | 100.0 |
| I19 | 8/ 4 | 57-39 | 169-02 | Y34606 Z49605 | 36 | 1.9 | 0.0 | 0.0 | 0.0 | 85.0 | 85.0 | 100.0 |
| J18 | 8/ 4 | 57-49 | 168-44 | Y34453 Z49455 | 38 | 1.0 | 0.0 | 0.0 | 0.0 | 68.0 | 68.0 | 100.0 |
| K01 | 7/ 3 | 58-20 | 167-46 | Y33986 Z48994 | 32 | . | 0.0 | 0.0 | 0.0 | 85.0 | 85.0 | 100.0 |
| K03 | 7/ 2 | 58-21 | 166-32 | Y33772 Z48551 | 25 | . | 0.0 | 0.0 | 0.0 | 93.0 | 93.0 | 100.0 |
| K06 | 6/29 | 58-20 | 164-37 | Y33467 Z47832 | 23 | 2.9 | 0.0 | 0.0 | 0.0 | 78.0 | 78.0 | 100.0 |
| M02 | 7/ 3 | 58-58 | 167-14 | Y33501 Z48658 | 20 | . | 0.0 | 234.0 | 0.0 | 0.0 | 234.0 | 0.0 |
| M18 | 7/ 6 | 59-00 | 168-32 | Y33636 Z49037 | 25 | 2.5 | 0.0 | 76.0 | 0.0 | 0.0 | 76.0 | 0.0 |
| N18 | 7/ 6 | 59-20 | 168-34 | Y33441 Z48949 | 22 | 2.8 | 0.0 | 79.0 | 0.0 | 0.0 | 79.0 | 0.0 |
| P20 | 7/ 8 | 59-59 | 169-57 | Y33030 Z49052 | 29 | -.3 | 0.0 | 0.0 | 0.0 | 78.0 | 78.0 | 100.0 |

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