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**Fishermen's Guide to Catch Per Unit
Effort and Bycatch Data From the
National Marine Fisheries Service
Observer Program**

**Bering Sea/Aleutian Island
Yellowfin Sole Trawl Fishery**

April 1991

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**Fishermen's Guide to Catch Per Unit Effort and
Bycatch Data From the National Marine Fisheries
Service Observer Program**

**Bering Sea/Aleutian Island
Yellowfin Sole Trawl Fishery**

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ABSTRACT

This report on the Bering Sea/Aleutian Islands yellowfin sole trawl fishery is one of a six part series of reports summarizing catch per unit effort (CPUE) and bycatch data extracted from the National Marine Fisheries Service Observer Program North Pacific (NORPAC) database. Other reports cover the other flatfish (including rock sole), pollock (bottom), pollock (midwater), Pacific cod, and miscellaneous species fisheries. The overall goal of this project is to help individual skippers and vessel owners maintain their bycatch rates for prohibited species (halibut, herring, red king crab, and bairdi Tanner crab) within guidelines established by the North Pacific Fishery Management Council. Data from the period 1981-1989 are summarized by month, year, and geographic location (one-half-by-one-degree latitude/longitude blocks). Five 12-month series of charts are presented, each of which shows the Bering Sea/Aleutian Islands region divided into one-half-by-one degree latitude/longitude blocks on which bar graphs illustrating average CPUEs or bycatch rates are superimposed. These chart series provide a visual overview of the data through time and space. Other sections list the actual numerical data associated with each bar graph and provide tables summarizing the data by month and year. Tables listing the Month/Block/Year records with the highest CPUEs and bycatch rates also are provided.

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Introduction

In December 1990 the North Pacific Fishery Management Council (NPFMC) adopted a Bycatch Incentive Program to reduce the bycatch of Pacific halibut (*Hippoglossus stenolepis*), Pacific herring (*Clupea harengus pallasi*), red king crab (*Paralithodes camtschatica*), and bairdi Tanner crab (*Chionoecetes bairdi*) during the 1991 season. Under this program, bycatch rate "standards will be published at least twice annually by National Marine Fisheries Service, and more often as warranted by fleet performance data. Vessels whose bycatch rates exceed the [NMFS] standards will be subject to prosecution and civil penalties, most likely after the season".¹

The National Marine Fisheries Service Observer Program has been collecting catch and bycatch data from foreign, joint venture, and domestic groundfish fisheries for many years. Berger (1988) summarized bycatch data from the joint venture groundfish fishery in the Bering Sea and Aleutian Islands (BSAI) area for the period 1986-1988 by target fishery, quarter of the year, and management area.² Current management areas in the BSAI area are shown in Figure 1. In November 1990 industry representatives expressed a desire for a more comprehensive summary of the data that would: (1) cover more years; (2) give monthly rather than quarterly rates; (3) give rates in one-half-by-one degree latitude/longitude blocks rather than by management area; and (4) present the data in a more user-friendly manner. This report summarizes Observer Program data on the BSAI yellowfin sole (*Limanda aspera*) trawl fishery and is one of a six part series of reports designed to satisfy industry's request. Other reports cover the following fisheries: other flatfish (including rock sole, *Lepidopsetta bilineata*), walleye pollock (*Theragra chalcogramma*) (bottom), walleye pollock (midwater), Pacific cod (*Gadus macrocephalus*), and miscellaneous species (all others). The overall goal of this project is to help individual skippers and vessel owners maintain their bycatch rates of prohibited species within current or future NPFMC guidelines.

¹ North Pacific Fishery Management Council Newsletter dated December 13, 1990.

² Berger, J. D. 1988. By-catch rates in the Bering Sea and Aleutian Islands Joint Venture Groundfish Fishery, 1986-88. U.S. Dep. Commer., NOAA Technical Memorandum NMFS F/NWC-155, 137 p.

This report consists of eight sections. Section I describes the methods used to prepare the tables and charts. Section II provides 18 tables giving a broad overview of the data. Sections III through VII each present a 12-month series of charts of the BSAI area divided into one-half-by-one degree latitude/longitude blocks on which bar graphs illustrating average annual catches per unit effort (CPUEs) (Section III) or bycatch rates (Sections IV through VII) for the period 1981-1989 are superimposed. Section VIII consists of 12 data tables (one for each month) listing the numerical data associated with each bar graph.

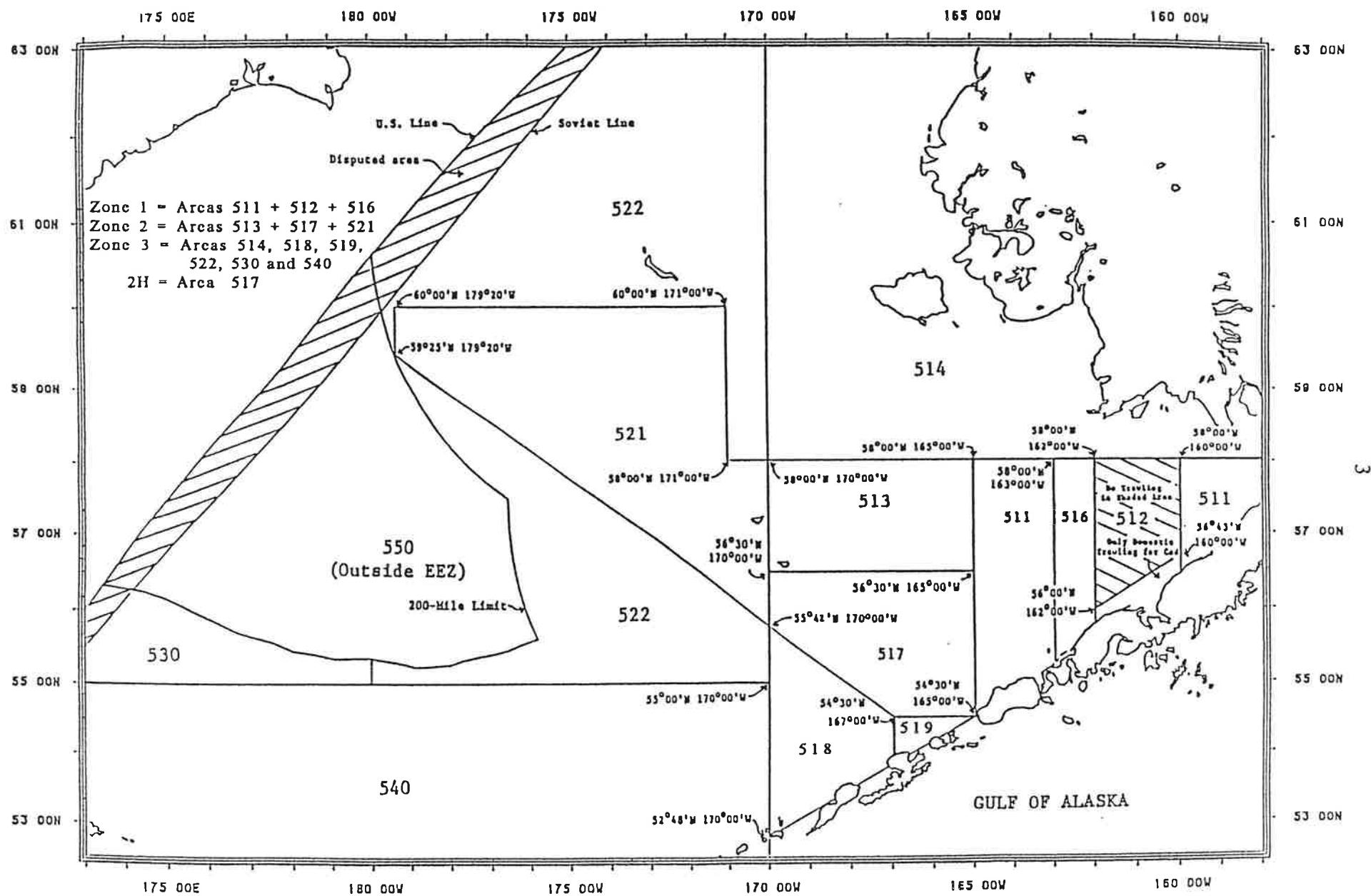


Figure 1. North Pacific Fishery Management Council management areas in the Bering Sea/Aleutian Islands region.

SECTION I

METHODS

Section I

Methods

Data Extraction

NMFS staff extracted data from the North Pacific (NORPAC) database for use in preparing the tables and charts presented in Sections II - VIII. NORPAC data are formatted on a tow-by-tow basis. Data from each observed tow include the following: date, location, estimated finfish catch in weight by species, king and Tanner crab catch in numbers, and minutes towed. For joint venture (JV) fisheries in 1986 and 1987, king and Tanner crab data are itemized into red king crab and bairdi Tanner crab, respectively. Crab data by species have been collected for other years, but have not yet been incorporated into the NORPAC database.

Date and location data were used to categorize each tow into a Month/Block/Year record. Blocks were coded with a six digit number in which the first and last three digits identify the longitude and latitude of the southeast corner of the block, respectively. For example, the block code 165553 identifies all tows made within the block whose southeast corner lies at 165:00 West longitude and 55:30 North latitude. Blocks lying west of 180:00 longitude (i.e., those identified by East longitude) were given longitude codes appropriately greater than 180. For example, the block code 185540 identified all tows made within the block whose southeast corner lies at 175:00 East longitude and 54:00 North latitude.

Each tow was further categorized into a directed fishery using the following criteria:

<u>Directed Fishery Name</u>	<u>Criteria (% of total catch)</u>
1. Pollock (Midwater)	Walleye Pollock > 95%
2. Other Flatfish	Other Flatfish (including rock sole) > 35%
3. Pacific Cod	Pacific Cod > 45%
4. Pollock (Bottom)	Walleye Pollock > 50%
5. Yellowfin Sole	Yellowfin Sole > 20%
6. Miscellaneous Species	None of the above.

Target fisheries were prioritized as above and were mutually exclusive. That is, tows that satisfied more than one criteria (e.g., Other Flatfish > 35% and Pacific Cod > 45%) were placed in the directed fishery with greatest priority (Other Flatfish in this example). A summary

database was created by summing catches (total including prohibited species, target species, halibut, herring, king crab, Tanner crab), minutes towed, and number of tows over each Month/Block/Year/Target record. The summary database, along with shoreline and bathymetric map data, was downloaded from the NMFS mainframe computer onto floppy disks and supplied to Marine Resources Consultants for analysis and graphics presentation.

Data Analysis

All records in which Yellowfin Sole was the directed fishery were extracted from the summary database and sorted by month, block, and year. The following variables were calculated for each Month/Block/Year record:

$$\begin{aligned}
 \text{Total CPUE (mt/hr)} &= \frac{\text{Total Catch (mt)}}{\text{Towing Time (hr)}} \\
 \\
 \text{Total CPUE (mt/tow)} &= \frac{\text{Total Catch (mt)}}{\text{Number of Tows}} \\
 \\
 \text{Target Percentage} &= \frac{\text{Yellowfin Sole Catch (mt)}}{\text{Total Catch (mt)}} * 100 \\
 \\
 \text{Halibut Bycatch Rate (\%)} &= \frac{\text{Halibut Catch (mt)}}{\text{Total Catch (mt)}} * 100 \\
 \\
 \text{Herring Bycatch Rate (\%)} &= \frac{\text{Herring Catch (mt)}}{\text{Total Catch (mt)}} * 100 \\
 \\
 \text{King Crab Bycatch Rate} &= \frac{\text{King Crab Catch (animals)}}{\text{Total Catch (mt)}} \\
 \\
 \text{Tanner Crab Bycatch Rate} &= \frac{\text{Tanner Crab Catch (animals)}}{\text{Total Catch (mt)}}
 \end{aligned}$$

where

Total Catch = Total catch, including prohibited species.

CPUEs measured in terms of metric tons per hour of towing were not calculated for records in which effort data were not accurately recorded (e.g., minutes towed was less than or equal to the number of tows) or were unrealistic (e.g., minutes per tow was greater than 480). CPUEs

measured in terms of metric tons per tow were not calculated for records with fewer than five tows to prevent readers from back-calculating the exact number of tows for that record.

Bycatch rates for red king crab and bairdi Tanner crab were not calculated. Since only a limited amount of red king crab and bairdi Tanner crab data were available (JV fishery in 1986-1987) and to maintain consistency from year to year, we decided to present only the king and Tanner crab data without itemization by species. King crab species include red, blue (*Paralithodes platypus*), golden (*Lithodes aequispina*), and couesi (*Lithodes couesi*).

Summary Tables

Tables II.1 through II.9 summarize total observed catch, number of observed tows, CPUEs, bycatch rates, and yellowfin sole percentage by month and year. CPUEs were calculated by dividing total catches (summed over each Month/Year) by towing times (summed over each Month/Year). Bycatch rates were calculated by dividing total bycatches (summed over each Month/Year) by total catches (summed over each Month/Year). Yellowfin sole percentages were calculated by dividing total yellowfin sole catches (summed over each Month/Year) by total catches (summed over each Month/Year).

Tables II.10 through II.18 list the Month/Block/Year records with the highest observed catch, number of observed tows, CPUEs, yellowfin sole percentages, and bycatch rates for each prohibited species.

Each summary table has a date/time stamp at the bottom center to indicate the date and time the table was printed.

CPUE and Bycatch Rate Charts

The number of records in each one-half-by-one degree block was plotted on a chart to determine the geographic distribution of the data. Most of the data were concentrated along the continental shelf and in the Amchitka Pass and Seguam Pass regions. The entire range was too large to fit as a single chart on two 8.5" x 11" facing pages and still permit enough room to place annual bar graphs within individual blocks. Thus, we divided the geographic distribution into four display regions: West Bering Sea, East Bering Sea, Seguam Pass, and Amchitka Pass. Records located outside these regions are not displayed on the CPUE and bycatch rate charts in Sections III through VII. They are listed in the data tables in Section VIII, however.

Histograms of the CPUEs and bycatch rates were prepared to determine appropriate bar graph scales for each variable. Linear scales were selected such that about 10% of the bars would be too long to fit within a block. The bar graphs for these offscale records end in an

arrow; the actual numerical values associated with these bars can be found in the data tables in Section VIII.

Figures I.1 and I.2 illustrate how to interpret the CPUE and bycatch rate charts. Each chart contains a page identifier indicating the month in which the observations were made, the target species (e.g., Yellowfin Sole), and the information represented by bar graphs (e.g., CPUEs, halibut bycatch rate, etc.). A legend near the top of each chart provides pertinent information about how to interpret the chart. CPUEs are presented as bar graphs in which the total bar length reflects total CPUE and the filled portion represents the yellowfin sole CPUE. Bar graphs for prohibited species bycatch rates are filled throughout. Scales are provided on each chart for converting bar graph lengths to approximate numerical values. A narrow bar indicates that fewer than five tows were observed; a wide bar indicates that five or more tows were observed. Land masses are represented by shaded areas. Bathymetric contour lines are given for the 200 meter (about 110 fathoms) and 1,000 meter (about 550 fathoms) contours. A date/time stamp is printed near the binding edge to indicate the date and time the chart was printed. Note that this date/time is different from the date and time when the data were retrieved from the NORPAC database.

Data Tables

The data used to prepare the charts in Sections III - VII are listed by month in Section VIII. To preserve the confidentiality of the data, the exact number of tows is not reported for records with fewer than five tows. Records that were located outside the geographic boundaries of the charts are shown in ***bold italics***. A date/time stamp is given at the bottom of each table to indicate the date and time the table was printed.

March
"Target Species"
Catch Per Unit Effort

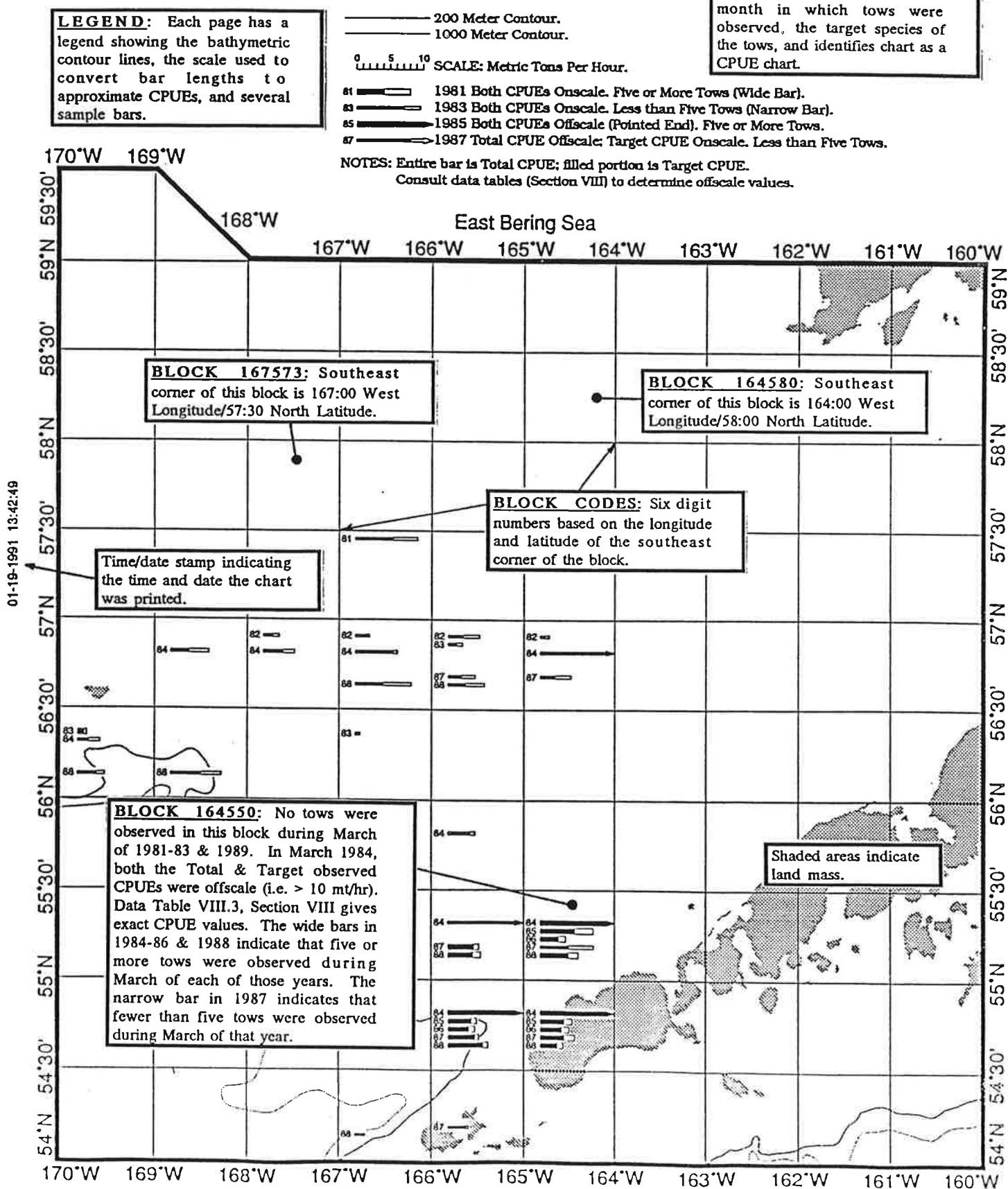


Figure I.1. Illustration of how to interpret a Catch Per Unit Effort chart.

April

"Target Species"

Tanner Crab Bycatch Rate

LEGEND: Each page has a legend showing the bathymetric contour lines, the scale used to convert bar lengths to approximate bycatch rates, and several sample bars.

— 200 Meter Contour.
— 1000 Meter Contour.

0 25 SCALE: Individuals per Metric Ton.

61 — 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
63 — 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
65 — 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
67 — 1987 Bycatch Rate Zero.

CHART IDENTIFIER: Gives month in which tows were observed, the target species of the tows, and identifies chart as a Tanner Crab Bycatch Rate chart.

NOTE: Consult data tables (Section VIII) to determine offscale values.

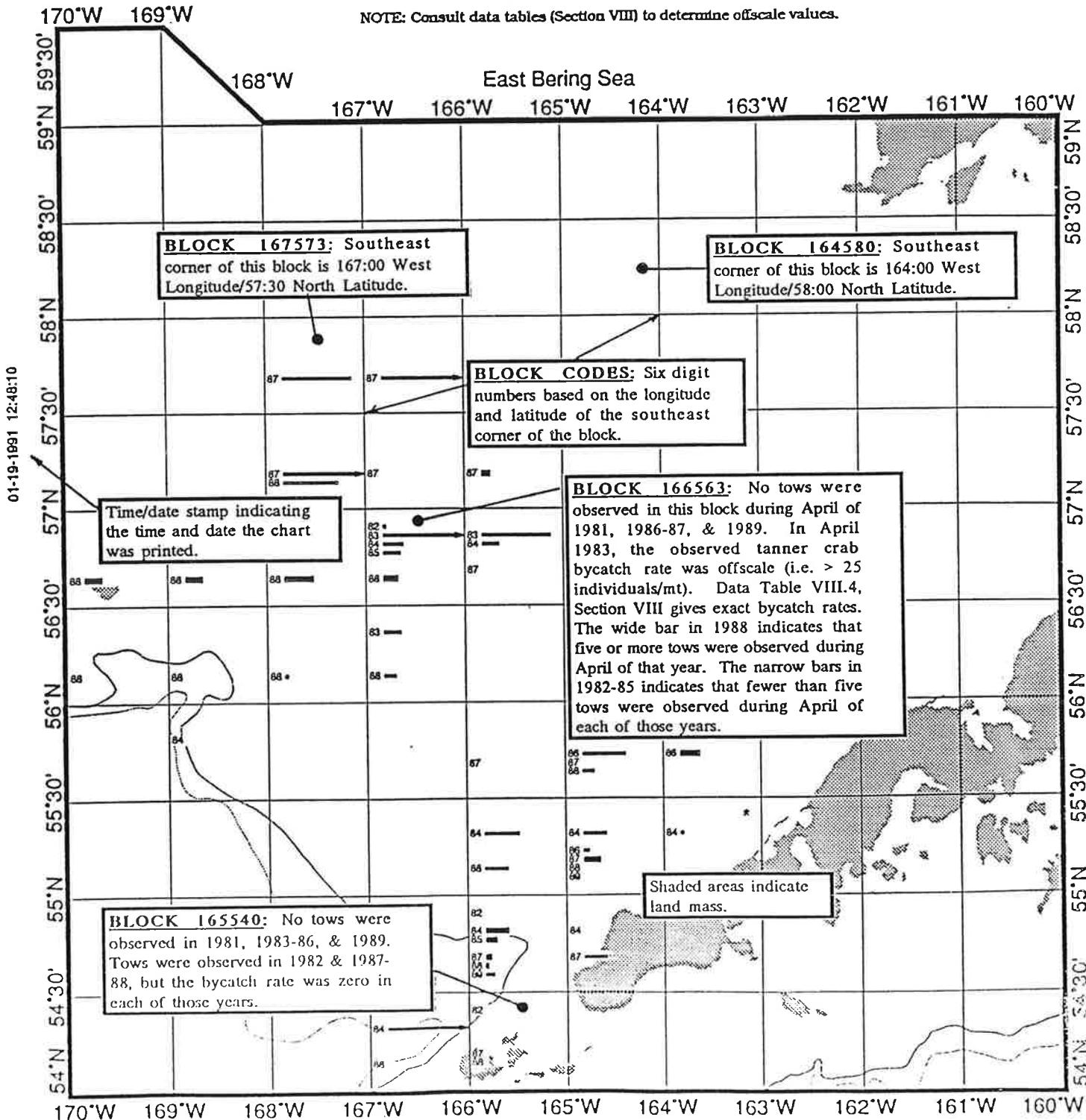


Figure I.2. Illustration of how to interpret a Bycatch Rate chart.

SECTION II

SUMMARY TABLES

Code definitions for Tables II.9-II.18.

Mo: The month in which the tows were observed.

Block: Six digit number in which the first and last three digits identify the longitude and latitude of the southeast corner of the one-half-by-one-degree block, respectively. For example, the block code 165553 identifies all tows made within the block whose southeast corner lies at 165:00 West longitude and 55:30 North latitude. Blocks lying west of 180:00 longitude (i.e., those identified by East longitude) have longitude codes appropriately greater than 180. For example, the block code 185540 identifies all tows made within the block whose southeast corner lies at 175:00 East longitude and 54:00 North latitude.

Yr: The year in which the tows were observed.

Total Observed Catch (mt): Total catch in metric tons (including prohibited species) from tows observed within the given Month/Block/Year.

YFin Observed Catch (mt): Yellowfin sole catch in metric tons from tows observed within the given Month/Block/Year.

(%): The percentage of the total observed catch that was yellowfin sole (i.e., Yellowfin Sole Catch/Total Catch).

Total CPUE (mt/hr): Total catch in metric tons (including prohibited species) divided by the total number of hours towed. N/A indicates CPUE data were not available.

Total CPUE (mt/tow): Total catch in metric tons (including prohibited species) divided by the total number of tows. N/A indicates CPUE data were not available.

Hal Bycatch Rate: Halibut catch in metric tons divided by total catch (including prohibited species) in metric tons, expressed as a percentage (i.e., times 100).

Her Bycatch Rate: Herring catch in metric tons divided by total catch (including prohibited species) in metric tons, expressed as a percentage (i.e., times 100).

KC Bycatch Rate: King crab catch in numbers divided by total catch (including prohibited species) in metric tons.

TC Bycatch Rate: Tanner crab catch in numbers divided by total catch (including prohibited species) in metric tons.

Tows: Number of tows observed within the given Month/Block/Year. If fewer than five tows were observed, "<5" is given rather than the exact number to preserve the confidentiality of the data.

Table II.1. Total catch (mt) observed in the BSAI Yellowfin Sole trawl fishery by month and year.

Month	81	82	83	84	85	86	87	88	89	ALL
Jan	0	0	2	425	4,748	0	0	0	6,770	11,945
Feb	81	228	852	770	1,355	0	553	28,958	77,625	110,423
Mar	398	687	4,250	2,677	5,344	4,558	33,024	56,390	3,233	110,562
Apr	221	934	4,216	8,857	4,917	11,901	17,590	9,260	0	57,898
May	1,469	2,310	5,345	8,649	14,544	27,199	28,079	46,846	0	134,441
Jun	3,621	3,568	6,839	12,413	16,032	8,897	40,464	4,918	149	96,900
Jul	8,791	12,584	13,620	20,292	21,663	16,930	853	60	249	95,044
Aug	8,950	11,118	14,151	23,730	31,350	22,884	739	0	0	112,923
Sep	10,207	9,359	9,417	21,374	23,838	21,838	49	2,588	7,846	106,517
Oct	8,234	9,535	9,335	18,477	20,527	19,740	179	10,069	8,767	104,864
Nov	4,925	9,042	8,564	15,215	7,530	7,151	491	5,774	5,685	64,378
Dec	1	2,544	6,693	8,172	5,786	4,514	0	3,150	3,083	33,943
ALL	46,899	61,912	83,286	141,052	157,636	145,613	122,023	168,013	113,407	1,039,840

Table II.2. Total number of tows observed in the BSAI Yellowfin Sole trawl fishery by month and year.

Month	81	82	83	84	85	86	87	88	89	ALL
Jan	<5	<5	<5	57	335	0	0	0	204	601
Feb	14	21	58	37	82	0	25	981	2,081	3,299
Mar	66	64	302	178	291	166	1,135	1,875	106	4,183
Apr	33	91	401	469	304	583	993	411	0	3,285
May	115	180	613	548	927	1,452	1,281	2,471	0	7,587
Jun	327	231	544	767	1,189	631	2,132	288	8	6,117
Jul	844	1,049	1,012	1,345	1,515	867	63	<5	15	6,714
Aug	656	1,026	1,240	1,624	1,889	1,292	57	0	0	7,784
Sep	556	569	677	1,503	1,447	1,310	5	118	405	6,590
Oct	419	520	749	1,233	1,151	1,117	14	497	507	6,207
Nov	213	534	624	1,013	390	484	49	329	317	3,953
Dec	<5	200	546	521	388	250	0	111	139	2,156
ALL	3,245	4,486	6,769	9,295	9,908	8,152	5,754	7,085	3,782	58,476

Table II.3. Total Catch Per Unit Effort (mt/hr) observed in the BSAI Yellowfin Sole trawl fishery by month and year.

Month	81	82	83	84	85	86	87	88	89	ALL
Jan	0.3	0.1	0.2	2.2	5.4	N/A	N/A	N/A	21.2	8.4
Feb	5.6	5.2	7.6	9.9	8.4	N/A	7.0	15.7	55.9	29.7
Mar	4.4	6.6	5.8	8.3	8.5	20.6	13.1	15.2	38.2	13.5
Apr	2.5	2.2	3.6	8.0	8.3	9.3	6.4	9.3	N/A	7.3
May	4.3	3.9	1.7	14.1	7.7	7.1	10.2	5.4	N/A	6.8
Jun	N/A	N/A	2.2	15.0	3.8	2.7	4.5	4.0	6.8	4.5
Jul	2.4	2.8	2.8	5.9	3.1	4.3	4.0	4.1	4.9	3.9
Aug	N/A	2.3	2.5	4.1	3.2	3.2	2.5	N/A	N/A	3.4
Sep	5.3	2.6	3.5	4.7	3.1	3.1	2.0	5.2	3.9	3.6
Oct	2.1	4.5	1.9	3.1	3.1	2.9	3.5	3.9	3.4	3.2
Nov	3.9	4.3	3.3	3.6	3.8	3.0	2.3	2.9	3.5	3.4
Dec	0.9	3.6	3.5	4.2	3.5	3.5	N/A	7.5	6.3	4.0
ALL	3.7	3.8	3.1	5.1	3.8	4.1	6.8	7.7	13.3	5.6

Table II.4. Yellowfin Sole Catch Per Unit Effort (mt/hr) observed in the BSAI Yellowfin Sole trawl fishery by month and year.

Month	81	82	83	84	85	86	87	88	89	ALL
Jan	0.1	0.0	0.1	1.6	4.6	N/A	N/A	N/A	17.0	7.0
Feb	4.1	4.4	6.4	8.0	7.1	N/A	5.7	11.7	47.3	24.3
Mar	3.4	5.3	4.7	6.7	6.9	15.3	9.2	9.2	34.6	9.1
Apr	1.6	1.3	2.6	5.8	6.8	7.1	4.3	8.7	N/A	5.5
May	2.5	2.8	0.8	11.1	6.8	5.1	9.5	5.0	N/A	5.8
Jun	N/A	N/A	1.1	11.4	2.5	1.2	3.9	3.8	1.9	3.5
Jul	1.4	1.0	1.4	3.4	1.9	3.8	1.9	1.7	2.1	2.6
Aug	N/A	1.0	1.7	2.6	2.2	2.2	1.1	N/A	N/A	2.2
Sep	4.7	1.4	2.4	3.0	2.1	1.9	0.7	2.3	2.1	2.2
Oct	1.7	4.0	1.4	2.1	2.2	2.1	2.6	1.9	2.2	2.1
Nov	2.9	3.7	1.8	2.6	2.3	2.0	1.2	1.7	3.2	2.3
Dec	0.5	2.8	2.2	2.9	2.0	2.4	N/A	6.9	4.1	2.7
ALL	2.7	2.9	2.0	3.5	2.7	2.9	5.5	5.7	10.7	4.1

Table II.5. Halibut bycatch rate (% of total catch by weight) observed in the BSAI Yellowfin Sole trawl fishery by month and year.

Month	81	82	83	84	85	86	87	88	89	ALL
Jan	0.20%	0.00%	0.72%	0.17%	0.03%	N/A	N/A	N/A	0.17%	0.12%
Feb	0.09%	0.06%	0.03%	0.09%	0.23%	N/A	0.28%	0.10%	0.04%	0.06%
Mar	0.06%	0.09%	0.05%	0.15%	0.20%	0.08%	0.23%	0.13%	0.03%	0.15%
Apr	0.44%	0.26%	0.34%	0.16%	0.11%	0.03%	0.18%	0.21%	N/A	0.16%
May	0.35%	0.10%	0.39%	0.17%	0.14%	0.33%	0.06%	0.11%	N/A	0.16%
Jun	0.06%	0.27%	0.22%	0.25%	0.42%	0.45%	0.37%	0.11%	2.97%	0.33%
Jul	0.08%	0.54%	0.44%	0.55%	0.48%	0.39%	1.31%	2.31%	2.61%	0.46%
Aug	0.11%	0.86%	0.36%	0.46%	0.49%	0.36%	1.11%	N/A	N/A	0.45%
Sep	0.04%	0.06%	0.01%	0.56%	0.21%	0.29%	1.36%	0.46%	0.11%	0.25%
Oct	0.01%	0.04%	0.02%	0.10%	0.25%	0.35%	0.15%	0.59%	0.21%	0.21%
Nov	0.17%	0.19%	0.29%	0.16%	0.50%	0.62%	0.69%	1.02%	0.55%	0.39%
Dec	1.16%	0.33%	0.46%	0.20%	0.49%	0.48%	N/A	0.33%	0.31%	0.37%
ALL	0.08%	0.34%	0.27%	0.33%	0.34%	0.33%	0.24%	0.19%	0.11%	0.26%

Table II.6. Herring bycatch rate (% of total catch by weight) observed in the BSAI Yellowfin Sole trawl fishery by month and year.

Month	81	82	83	84	85	86	87	88	89	ALL
Jan	0.00%	0.00%	0.00%	0.14%	0.00%	N/A	N/A	N/A	0.00%	0.01%
Feb	0.00%	0.00%	0.02%	0.00%	0.00%	N/A	0.00%	0.00%	0.00%	0.00%
Mar	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%
Apr	0.08%	0.24%	0.00%	0.00%	0.00%	0.00%	0.01%	0.02%	N/A	0.01%
May	0.05%	0.13%	0.01%	0.01%	0.01%	0.06%	0.19%	0.24%	N/A	0.14%
Jun	0.04%	0.00%	0.10%	0.06%	0.28%	0.08%	0.34%	0.21%	0.52%	0.22%
Jul	0.03%	0.01%	0.05%	0.06%	0.33%	0.07%	0.33%	0.63%	4.38%	0.13%
Aug	0.00%	0.04%	0.06%	0.16%	0.12%	0.07%	0.23%	N/A	N/A	0.10%
Sep	0.01%	0.01%	0.05%	0.08%	0.01%	0.05%	0.00%	0.00%	0.01%	0.03%
Oct	0.00%	0.00%	0.00%	0.02%	0.01%	0.02%	0.00%	0.00%	0.00%	0.01%
Nov	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Dec	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	N/A	0.00%	0.00%	0.00%
ALL	0.01%	0.02%	0.03%	0.06%	0.10%	0.05%	0.16%	0.08%	0.01%	0.07%

Table II.7. King crab bycatch rate (number of animals per metric ton of total catch) observed in the BSAI Yellowfin Sole trawl fishery by month and year.

Month	81	82	83	84	85	86	87	88	89	ALL
Jan	0.0	0.0	1.9	0.2	5.8	N/A	N/A	N/A	2.7	3.9
Feb	0.4	1.3	0.1	0.0	1.1	N/A	0.0	0.6	0.9	0.8
Mar	0.5	0.4	0.9	0.0	0.1	1.7	0.2	0.2	1.4	0.3
Apr	2.4	1.2	5.3	2.2	4.4	0.3	1.7	0.0	N/A	1.7
May	30.6	7.9	11.3	8.2	2.8	1.3	0.0	0.1	N/A	2.1
Jun	0.4	3.1	21.0	7.3	4.6	0.1	0.1	0.1	25.5	3.4
Jul	1.2	2.8	8.0	1.6	3.5	0.0	0.5	0.0	1.0	2.8
Aug	7.3	4.3	2.0	2.2	1.4	0.0	0.3	N/A	N/A	2.1
Sep	5.3	0.5	0.1	1.5	0.6	0.1	0.0	0.2	0.0	1.0
Oct	0.0	0.0	0.1	0.3	0.6	0.1	0.0	0.1	0.6	0.2
Nov	0.1	0.3	0.2	0.1	0.1	0.0	0.1	0.4	0.1	0.2
Dec	<u>0.0</u>	<u>0.7</u>	<u>0.5</u>	<u>0.3</u>	<u>0.6</u>	<u>0.0</u>	<u>N/A</u>	<u>0.3</u>	<u>0.1</u>	<u>0.3</u>
ALL	3.8	2.0	4.5	2.2	2.0	0.4	0.3	0.2	0.9	1.5

Table II.8. Tanner crab bycatch rate (number of animals per metric ton of total catch) observed in the BSAI Yellowfin Sole trawl fishery by month and year.

Month	81	82	83	84	85	86	87	88	89	ALL
Jan	303.3	165.0	316.7	11.2	2.2	N/A	N/A	N/A	3.5	3.3
Feb	7.8	3.5	8.2	3.3	3.7	N/A	5.8	1.5	0.4	0.8
Mar	13.6	5.6	6.0	9.2	2.7	1.9	1.4	3.3	1.4	2.9
Apr	8.4	1.4	29.0	11.4	3.5	3.2	75.5	17.0	N/A	30.5
May	2.4	1.8	12.5	4.8	2.1	6.4	3.8	0.8	N/A	3.5
Jun	8.6	0.0	12.4	1.6	4.3	79.8	1.5	5.4	2.3	10.3
Jul	1.4	2.2	2.2	0.5	2.3	0.9	1.9	89.6	0.3	1.6
Aug	4.7	9.3	2.1	2.7	2.4	1.3	55.1	N/A	N/A	3.4
Sep	5.6	3.3	2.4	1.7	6.7	7.1	11.6	1.9	25.2	6.2
Oct	2.0	3.5	2.5	10.4	8.6	29.0	22.4	6.0	43.0	13.9
Nov	20.0	3.5	4.7	13.6	11.2	29.6	45.8	10.8	43.4	15.6
Dec	<u>0.9</u>	<u>12.4</u>	<u>9.7</u>	<u>15.5</u>	<u>14.8</u>	<u>18.1</u>	<u>N/A</u>	<u>8.4</u>	<u>33.3</u>	<u>15.3</u>
ALL	5.7	4.3	6.2	5.9	4.9	13.7	13.2	3.6	8.7	7.6

Table II.9. Yellowfin Sole percentage of total catch observed in the BSAI Yellowfin Sole trawl fishery by month and year.

Month	81	82	83	84	85	86	87	88	89	ALL
Jan	33%	45%	48%	74%	86%	N/A	N/A	N/A	80%	83%
Feb	74%	85%	84%	81%	84%	N/A	82%	73%	85%	82%
Mar	78%	81%	75%	80%	82%	73%	70%	61%	90%	67%
Apr	60%	57%	58%	72%	82%	76%	68%	53%	N/A	68%
May	50%	58%	55%	78%	86%	72%	93%	87%	N/A	82%
Jun	66%	77%	78%	77%	63%	50%	86%	90%	27%	76%
Jul	80%	67%	73%	70%	65%	86%	48%	41%	43%	73%
Aug	89%	69%	77%	67%	64%	69%	43%	N/A	N/A	69%
Sep	90%	92%	87%	62%	64%	55%	34%	44%	53%	67%
Oct	91%	95%	88%	69%	68%	62%	77%	48%	62%	70%
Nov	88%	91%	70%	71%	64%	64%	51%	59%	65%	72%
Dec	<u>59%</u>	<u>78%</u>	<u>63%</u>	<u>70%</u>	<u>59%</u>	<u>67%</u>	<u>N/A</u>	<u>74%</u>	<u>65%</u>	<u>67%</u>
ALL	85%	80%	75%	70%	68%	68%	80%	70%	79%	73%

Table II.10. Month/Block/Year records with the highest total observed catch in the BSAI Yellowfin Sole trawl fishery.

Mo	Block	Yr	Observed			Total CPUEs			Bycatch Rates				
			Total	YFin	(%)	MT Per	Hour	Tow	(% by weight)	Hal	Her	KC	
Mo	Block	Yr	Total	YFin	(%)	MT Per	Hour	Tow	Hal	Her	KC	TC	Tows
2	162560	89	54,816.2	47,692.4	87%	59.6	38.1	0.0%	0.0%	0.0%	0.7	0.3	1,437
5	159583	88	22,220.0	19,928.1	90%	6.0	20.0	0.0%	0.4%	0.0%	0.0	0.0	1,113
2	163560	89	21,801.3	17,210.1	79%	50.6	35.6	0.0%	0.0%	0.0%	1.3	0.6	612
5	159583	87	21,225.0	20,529.6	97%	13.9	23.6	0.0%	0.2%	0.0%	0.0	0.0	898
3	163563	87	18,565.6	12,786.1	69%	15.0	29.3	0.2%	0.0%	0.0%	0.1	0.9	633
6	159583	87	13,552.5	12,996.2	96%	5.7	21.7	0.1%	0.5%	0.0%	0.0	0.0	625
3	166563	88	13,342.0	6,913.9	52%	17.0	32.5	0.1%	0.0%	0.0%	0.0	4.2	411
5	159580	88	13,241.3	11,856.4	90%	5.1	18.4	0.1%	0.1%	0.1%	0.1	0.0	721
5	163570	86	13,048.3	10,081.4	77%	10.5	21.9	0.2%	0.1%	0.1%	0.2	2.3	597
2	162563	88	12,632.3	9,266.0	73%	18.6	29.9	0.0%	0.0%	0.0%	0.8	0.8	422
3	164563	88	11,980.3	9,047.8	76%	19.3	32.1	0.1%	0.0%	0.0%	0.2	1.3	373
3	164563	87	10,997.6	7,963.9	72%	12.0	29.7	0.2%	0.0%	0.0%	0.0	1.5	370
2	163563	88	10,295.4	8,241.7	80%	17.9	32.6	0.1%	0.0%	0.0%	0.2	0.7	316
4	162570	87	8,430.2	7,001.5	83%	20.5	26.3	0.0%	0.0%	0.0%	3.1	3.1	321
3	165563	88	8,044.9	3,984.1	50%	11.1	28.5	0.3%	0.0%	0.0%	0.0	3.8	282
5	162563	85	7,670.2	7,244.0	94%	14.7	17.6	0.1%	0.0%	0.0%	1.4	0.7	436
5	160580	88	7,538.9	6,175.9	82%	5.0	18.2	0.3%	0.1%	0.1%	0.6	0.1	415
8	165580	86	7,242.0	5,913.9	82%	3.1	19.2	0.4%	0.0%	0.0%	0.0	0.4	377
8	163573	84	7,144.1	5,610.7	79%	3.1	16.1	0.2%	0.1%	0.1%	0.8	0.0	445
6	160570	84	6,893.2	5,484.3	80%	28.8	19.5	0.1%	0.1%	0.1%	8.0	2.2	354
6	160570	85	6,864.4	4,543.4	66%	4.6	14.5	0.3%	0.1%	0.1%	5.4	4.1	474
8	166580	86	6,356.9	3,946.3	62%	3.5	16.6	0.3%	0.1%	0.1%	0.0	0.8	382
6	159580	87	6,300.3	5,713.7	91%	4.8	19.7	0.3%	0.3%	0.3%	0.1	0.0	320
10	165570	83	6,185.3	5,514.9	89%	3.3	16.6	0.0%	0.0%	0.0%	0.0	1.3	373
7	160570	84	6,164.4	3,145.9	51%	25.1	16.9	0.2%	0.0%	0.0%	4.3	1.5	365
10	166570	82	6,056.5	5,717.0	94%	4.3	17.7	0.0%	0.0%	0.0%	0.0	4.2	343
7	159580	86	5,890.6	5,549.2	94%	4.6	16.7	0.4%	0.2%	0.2%	0.1	0.7	352
9	166580	86	5,629.3	3,135.2	56%	3.2	17.6	0.4%	0.1%	0.1%	0.0	1.8	320
9	163573	84	5,493.3	3,755.2	68%	3.0	13.0	0.3%	0.1%	0.1%	1.3	0.3	423
10	166570	81	5,340.1	4,856.8	91%	2.4	19.5	0.0%	0.0%	0.0%	0.0	2.9	274
4	165563	84	5,337.3	4,129.2	77%	6.8	22.8	0.1%	0.0%	0.0%	0.0	9.4	234
4	167563	88	5,285.0	2,832.6	54%	9.9	25.9	0.1%	0.0%	0.0%	0.0	27.2	204
9	166570	81	5,285.0	5,025.8	95%	5.3	18.9	0.0%	0.0%	0.0%	0.0	0.3	279
5	162563	86	5,253.6	3,314.3	63%	6.7	17.1	0.5%	0.0%	0.0%	3.6	1.7	308
6	163583	87	5,104.1	3,488.8	68%	3.6	16.8	0.5%	0.1%	0.1%	0.1	0.0	304
3	163563	88	4,960.6	3,558.4	72%	17.9	27.3	0.1%	0.0%	0.0%	0.2	0.4	182
9	160570	84	4,896.1	2,393.2	49%	41.7	17.2	1.4%	0.0%	0.0%	3.0	4.2	285
9	166570	82	4,825.5	4,518.9	94%	N/A	18.8	0.0%	0.0%	0.0%	0.0	2.8	256
8	166580	85	4,706.5	2,841.8	60%	3.9	19.2	0.1%	0.0%	0.0%	0.1	3.0	245
5	159580	87	4,585.3	4,326.0	94%	7.9	19.9	0.0%	0.0%	0.0%	0.1	0.0	230
11	165570	82	4,532.9	4,080.6	90%	5.5	20.3	0.2%	0.0%	0.0%	0.4	3.5	223
3	162560	88	4,422.5	2,420.7	55%	24.8	41.3	0.1%	0.0%	0.0%	0.9	0.4	107
8	166570	81	4,415.5	4,224.5	96%	N/A	13.6	0.0%	0.0%	0.0%	0.0	0.3	325

Table II.11. Month/Block/Year records with the highest number of observed tows in the BSAI Yellowfin Sole trawl fishery.

Mo	Block	Yr	Observed			Total CPUEs			Bycatch Rates			
			Catch (mt)			MT Per		(% by weight)		(numbers/mt)		
			Total	YFin	(%)	Hour	Tow	Hal	Her	KC	TC	
No										Tows		
2	162560	89	54,816.2	47,692.4	87%	59.6	38.1	0.0%	0.0%	0.7	0.3	1,437
5	159583	88	22,220.0	19,928.1	90%	6.0	20.0	0.0%	0.4%	0.0	0.0	1,113
5	159583	87	21,225.0	20,529.6	97%	13.9	23.6	0.0%	0.2%	0.0	0.0	898
5	159580	88	13,241.3	11,856.4	90%	5.1	18.4	0.1%	0.1%	0.1	0.0	721
3	163563	87	18,565.6	12,786.1	69%	15.0	29.3	0.2%	0.0%	0.1	0.9	633
6	159583	87	13,552.5	12,996.2	96%	5.7	21.7	0.1%	0.5%	0.0	0.0	625
2	163560	89	21,801.3	17,210.1	79%	50.6	35.6	0.0%	0.0%	1.3	0.6	612
5	163570	86	13,048.3	10,081.4	77%	10.5	21.9	0.2%	0.1%	0.2	2.3	597
6	160570	85	6,864.4	4,543.4	66%	4.6	14.5	0.3%	0.1%	5.4	4.1	474
8	163573	84	7,144.1	5,610.7	79%	3.1	16.1	0.2%	0.1%	0.8	0.0	445
5	162563	85	7,670.2	7,244.0	94%	14.7	17.6	0.1%	0.0%	1.4	0.7	436
9	163573	84	5,493.3	3,755.2	68%	3.0	13.0	0.3%	0.1%	1.3	0.3	423
2	162563	88	12,632.3	9,266.0	73%	18.6	29.9	0.0%	0.0%	0.8	0.8	422
5	160580	88	7,538.9	6,175.9	82%	5.0	18.2	0.3%	0.1%	0.6	0.1	415
3	166563	88	13,342.0	6,913.9	52%	17.0	32.5	0.1%	0.0%	0.0	4.2	411
8	166580	86	6,356.9	3,946.3	62%	3.5	16.6	0.3%	0.1%	0.0	0.8	382
8	165580	86	7,242.0	5,913.9	82%	3.1	19.2	0.4%	0.0%	0.0	0.4	377
3	164563	88	11,980.3	9,047.8	76%	19.3	32.1	0.1%	0.0%	0.2	1.3	373
10	165570	83	6,185.3	5,514.9	89%	3.3	16.6	0.0%	0.0%	0.0	1.3	373
3	164563	87	10,997.6	7,963.9	72%	12.0	29.7	0.2%	0.0%	0.0	1.5	370
7	160570	84	6,164.4	3,145.9	51%	25.1	16.9	0.2%	0.0%	4.3	1.5	365
7	160570	85	4,377.8	2,588.4	59%	3.2	12.0	0.3%	0.2%	7.0	5.4	364
6	160570	84	6,893.2	5,484.3	80%	28.8	19.5	0.1%	0.1%	8.0	2.2	354
7	159580	86	5,890.6	5,549.2	94%	4.6	16.7	0.4%	0.2%	0.1	0.7	352
10	166570	82	6,056.5	5,717.0	94%	4.3	17.7	0.0%	0.0%	0.0	4.2	343
8	161560	85	4,137.3	2,325.3	56%	3.0	12.1	1.3%	0.4%	3.2	1.0	342
8	166570	81	4,415.5	4,224.5	96%	N/A	13.6	0.0%	0.0%	0.0	0.3	325
4	162570	87	8,430.2	7,001.5	83%	20.5	26.3	0.0%	0.0%	3.1	3.1	321
6	159580	87	6,300.3	5,713.7	91%	4.8	19.7	0.3%	0.3%	0.1	0.0	320
9	166580	86	5,629.3	3,135.2	56%	3.2	17.6	0.4%	0.1%	0.0	1.8	320
2	163563	88	10,295.4	8,241.7	80%	17.9	32.6	0.1%	0.0%	0.2	0.7	316
5	162563	86	5,253.6	3,314.3	63%	6.7	17.1	0.5%	0.0%	3.6	1.7	308
6	163583	87	5,104.1	3,488.8	68%	3.6	16.8	0.5%	0.1%	0.1	0.0	304
7	164583	84	2,903.8	2,311.8	80%	2.4	10.0	1.3%	0.2%	0.2	0.0	290
8	164573	83	3,815.0	3,138.1	82%	3.3	13.2	0.1%	0.0%	0.4	0.2	289
9	160570	84	4,896.1	2,393.2	49%	41.7	17.2	1.4%	0.0%	3.0	4.2	285
8	163580	84	2,692.9	2,192.1	81%	2.1	9.5	1.7%	0.3%	0.2	0.0	284
3	165563	88	8,044.9	3,984.1	50%	11.1	28.5	0.3%	0.0%	0.0	3.8	282
9	166570	81	5,285.0	5,025.8	95%	5.3	18.9	0.0%	0.0%	0.0	0.3	279
10	166570	81	5,340.1	4,856.8	91%	2.4	19.5	0.0%	0.0%	0.0	2.9	274
7	164573	83	4,206.8	3,549.6	84%	5.1	15.8	0.2%	0.0%	0.6	0.2	266
9	166570	82	4,825.5	4,518.9	94%	N/A	18.8	0.0%	0.0%	0.0	2.8	256
5	160570	84	3,900.2	3,143.2	81%	31.7	15.3	0.1%	0.0%	14.3	4.3	255

Table II.12. Month/Block/Year records with the highest total Catch Per Unit Effort (mt/hr) in the BSAI Yellowfin Sole trawl fishery.

Mo	Block	Yr	Observed			Total CPUEs			Bycatch Rates			
			Catch (mt)		MT Per	(% by weight)		(numbers/mt)	KC	TC	Tows	
			Total	YFin	(%)	Hour	Tow	Hal	Her			
2	163553	89	558.8	467.8	84%	78.2	31.0	0.0%	0.0%	0.2	0.2	18
4	160570	84	443.7	417.1	94%	72.3	19.3	0.0%	0.0%	7.7	1.3	23
4	162560	84	160.3	63.1	39%	62.1	14.6	0.3%	0.0%	10.8	7.2	11
3	163553	89	552.6	461.9	84%	61.4	29.1	0.0%	0.0%	0.4	0.3	19
2	162560	89	54,816.2	47,692.4	87%	59.6	38.1	0.0%	0.0%	0.7	0.3	1,437
2	163560	89	21,801.3	17,210.1	79%	50.6	35.6	0.0%	0.0%	1.3	0.6	612
2	166570	88	231.8	162.6	70%	48.0	46.4	0.0%	0.0%	0.0	1.8	5
1	166563	89	48.7	42.2	87%	41.7	N/A	0.0%	0.0%	24.0	10.8	<5
9	160570	84	4,896.1	2,393.2	49%	41.7	17.2	1.4%	0.0%	3.0	4.2	285
4	160563	84	233.4	175.4	75%	41.4	13.0	0.2%	0.0%	6.5	6.3	18
3	163560	89	2,078.3	1,903.9	92%	36.3	30.6	0.0%	0.0%	1.9	2.0	68
4	162553	84	1,382.0	712.5	52%	36.2	15.5	0.7%	0.0%	8.4	23.2	89
6	161570	84	62.0	55.0	89%	34.4	N/A	0.0%	0.0%	0.0	0.0	<5
3	163553	87	45.8	39.9	87%	34.4	N/A	0.0%	0.0%	0.0	0.0	<5
3	162560	89	602.3	559.3	93%	33.0	31.7	0.0%	0.0%	0.4	0.2	19
5	160570	84	3,900.2	3,143.2	81%	31.7	15.3	0.1%	0.0%	14.3	4.3	255
3	166560	86	3,499.3	2,430.1	69%	30.4	28.0	0.1%	0.0%	0.1	0.5	125
6	160563	84	62.0	23.2	37%	30.0	10.3	0.3%	0.0%	4.0	0.4	6
2	162560	88	193.2	105.4	55%	29.7	32.2	0.2%	0.0%	1.0	0.5	6
12	163563	88	1,088.7	893.3	82%	29.4	38.9	0.1%	0.0%	0.5	4.3	28
6	160570	84	6,893.2	5,484.3	80%	28.8	19.5	0.1%	0.1%	8.0	2.2	354
5	159570	84	236.5	136.8	58%	28.2	16.9	0.1%	0.0%	4.5	2.9	14
8	168590	84	197.3	120.2	61%	27.5	15.2	0.0%	0.0%	0.5	0.2	13
9	165570	88	67.4	28.9	43%	27.0	N/A	0.0%	0.0%	0.2	6.5	<5
8	164563	84	123.8	51.1	41%	26.9	15.5	0.1%	0.0%	1.6	1.6	8
1	163563	89	4,270.1	3,598.6	84%	26.6	36.8	0.1%	0.0%	2.4	3.7	116
6	159570	84	288.8	226.2	78%	25.6	20.6	0.1%	0.0%	3.6	0.4	14
5	165563	84	1,759.0	1,561.9	89%	25.4	33.2	0.2%	0.0%	0.0	2.3	53
7	160570	84	6,164.4	3,145.9	51%	25.1	16.9	0.2%	0.0%	4.3	1.5	365
5	160573	84	832.2	618.5	74%	24.9	16.0	0.0%	0.0%	9.3	4.5	52
3	162560	88	4,422.5	2,420.7	55%	24.8	41.3	0.1%	0.0%	0.9	0.4	107
8	169590	84	153.3	83.5	54%	24.5	12.8	0.1%	0.0%	0.0	4.7	12
3	164560	88	304.2	214.3	70%	24.2	33.8	0.1%	0.0%	0.2	0.5	9
8	160570	84	2,421.2	852.4	35%	24.0	17.8	0.3%	0.0%	9.6	2.2	136
4	162560	87	71.0	55.6	78%	23.7	N/A	0.0%	0.0%	1.2	3.1	<5
6	159573	84	306.5	200.8	65%	23.5	17.0	0.2%	0.0%	63.5	0.9	18
1	163560	89	1,290.7	906.2	70%	23.4	34.0	0.2%	0.0%	4.9	3.8	38
3	171570	86	549.7	494.9	90%	22.9	32.3	0.0%	0.0%	0.0	7.7	17
2	163563	89	295.2	231.6	78%	22.1	32.8	0.0%	0.0%	17.0	3.2	9
7	160573	84	572.8	294.1	51%	21.6	15.5	0.3%	0.0%	2.4	1.2	37
3	166560	88	621.7	328.7	53%	21.5	27.0	0.4%	0.0%	0.0	0.7	23
8	159570	84	222.3	97.0	44%	21.4	20.2	0.9%	0.0%	1.0	0.6	11
1	162560	89	473.4	360.8	76%	21.3	36.4	0.1%	0.0%	1.7	0.5	13

Table II.13. Month/Block/Year records with the highest total Catch Per Unit Effort (mt/tow) in the BSAI Yellowfin Sole trawl fishery.

Mo	Block	Yr	Observed			Total CPUEs			Bycatch Rates			
			Catch (mt)			MT Per		(% by weight)		(numbers/mt)		
			Total	YFin	(%)	Hour	Tow	Hal	Her	KC	TC	Tows
12	164563	88	833.2	613.4	74%	N/A	49.0	0.2%	0.0%	0.0	4.2	17
2	166570	88	231.8	162.6	70%	48.0	46.4	0.0%	0.0%	0.0	1.8	5
11	167573	81	367.0	280.0	76%	N/A	45.9	0.0%	0.0%	0.0	0.1	8
12	164570	88	297.1	211.5	71%	N/A	42.4	0.4%	0.0%	0.2	7.5	7
3	162560	88	4,422.5	2,420.7	55%	24.8	41.3	0.1%	0.0%	0.9	0.4	107
4	163563	85	368.7	305.5	83%	13.9	41.0	0.0%	0.0%	0.4	2.3	9
2	165563	87	312.8	273.5	87%	12.8	39.1	0.1%	0.0%	0.0	6.0	8
12	163563	88	1,088.7	893.3	82%	29.4	38.9	0.1%	0.0%	0.5	4.3	28
2	162560	89	54,816.2	47,692.4	87%	59.6	38.1	0.0%	0.0%	0.7	0.3	1,437
7	162583	86	341.8	291.1	85%	N/A	38.0	1.0%	0.0%	0.0	0.0	9
1	163563	89	4,270.1	3,598.6	84%	26.6	36.8	0.1%	0.0%	2.4	3.7	116
1	162560	89	473.4	360.8	76%	21.3	36.4	0.1%	0.0%	1.7	0.5	13
2	163560	89	21,801.3	17,210.1	79%	50.6	35.6	0.0%	0.0%	1.3	0.6	612
2	165570	88	1,827.3	1,116.7	61%	14.6	34.5	0.3%	0.0%	0.0	6.0	53
11	166570	84	997.7	706.5	71%	7.1	34.4	0.1%	0.0%	0.0	11.2	29
1	163560	89	1,290.7	906.2	70%	23.4	34.0	0.2%	0.0%	4.9	3.8	38
3	164560	88	304.2	214.3	70%	24.2	33.8	0.1%	0.0%	0.2	0.5	9
5	165563	84	1,759.0	1,561.9	89%	25.4	33.2	0.2%	0.0%	0.0	2.3	53
3	165560	88	821.8	325.0	40%	11.0	32.9	0.2%	0.0%	0.0	2.3	25
2	163563	89	295.2	231.6	78%	22.1	32.8	0.0%	0.0%	17.0	3.2	9
8	164570	84	228.2	119.9	53%	7.4	32.6	0.0%	0.0%	0.0	5.3	7
2	163563	88	10,295.4	8,241.7	80%	17.9	32.6	0.1%	0.0%	0.2	0.7	316
3	166563	88	13,342.0	6,913.9	52%	17.0	32.5	0.1%	0.0%	0.0	4.2	411
3	171570	86	549.7	494.9	90%	22.9	32.3	0.0%	0.0%	0.0	7.7	17
2	162560	88	193.2	105.4	55%	29.7	32.2	0.2%	0.0%	1.0	0.5	6
3	164563	88	11,980.3	9,047.8	76%	19.3	32.1	0.1%	0.0%	0.2	1.3	373
3	163560	88	222.8	157.4	71%	17.3	31.8	0.1%	0.0%	0.1	1.4	7
3	162560	89	602.3	559.3	93%	33.0	31.7	0.0%	0.0%	0.4	0.2	19
12	166580	86	188.0	136.5	73%	7.3	31.3	0.3%	0.0%	0.0	3.2	6
2	163553	89	558.8	467.8	84%	78.2	31.0	0.0%	0.0%	0.2	0.2	18
2	163550	89	153.6	101.6	66%	8.9	30.7	0.0%	0.0%	0.0	2.7	5
9	165573	88	1,257.2	460.3	37%	9.7	30.7	0.3%	0.0%	0.3	1.9	41
12	164573	84	733.7	455.1	62%	5.8	30.6	0.3%	0.0%	0.3	6.3	24
3	163560	89	2,078.3	1,903.9	92%	36.3	30.6	0.0%	0.0%	1.9	2.0	68
2	162563	88	12,632.3	9,266.0	73%	18.6	29.9	0.0%	0.0%	0.8	0.8	422
12	164570	84	747.2	411.0	55%	6.4	29.9	0.3%	0.0%	0.4	5.1	25
3	162563	88	2,116.4	1,361.9	64%	14.5	29.8	0.1%	0.0%	1.1	0.7	71
3	164563	87	10,997.6	7,963.9	72%	12.0	29.7	0.2%	0.0%	0.0	1.5	370
3	163563	87	18,565.6	12,786.1	69%	15.0	29.3	0.2%	0.0%	0.1	0.9	633
10	169570	89	583.4	337.3	58%	8.8	29.2	0.8%	0.0%	6.5	26.5	20
12	163570	84	524.6	381.5	73%	6.8	29.1	0.2%	0.0%	0.6	3.5	18
3	163553	89	552.6	461.9	84%	61.4	29.1	0.0%	0.0%	0.4	0.3	19
8	165583	86	775.3	696.8	90%	N/A	28.7	0.2%	0.0%	0.0	0.0	27

Table II.14. Month/Block/Year records with the highest Yellowfin Sole percentage of total catch in the BSAI Yellowfin Sole trawl fishery.

Mo	Block	Yr	Observed			Total CPUEs			Bycatch Rates			
			Catch (mt)			MT Per		(% by weight)		(numbers/mt)		
			Total	YFin	(%)	Hour	Tow	Hal	Her	KC	TC	Tows
10	167570	82	2,143.8	2,086.1	97%	5.3	21.2	0.0%	0.0%	0.0	1.6	101
1	162570	85	17.4	16.8	97%	3.9	N/A	0.0%	0.0%	2.0	0.4	<5
6	160583	87	1,882.0	1,820.9	97%	5.9	21.9	0.1%	0.3%	0.0	0.0	86
5	159583	87	21,225.0	20,529.6	97%	13.9	23.6	0.0%	0.2%	0.0	0.0	898
8	165563	82	296.7	286.5	97%	1.4	11.0	0.0%	0.0%	1.0	7.2	27
9	167570	82	255.3	246.1	96%	N/A	18.2	0.0%	0.0%	0.0	1.0	14
10	165570	82	85.5	82.4	96%	11.3	N/A	0.0%	0.0%	0.3	6.3	<5
6	159583	87	13,552.5	12,996.2	96%	5.7	21.7	0.1%	0.5%	0.0	0.0	625
9	166573	82	1,389.0	1,330.2	96%	N/A	17.6	0.0%	0.0%	0.0	2.7	79
8	166570	81	4,415.5	4,224.5	96%	N/A	13.6	0.0%	0.0%	0.0	0.3	325
5	159573	88	29.1	27.8	95%	6.1	N/A	0.0%	0.0%	0.2	0.0	<5
9	167550	85	3.0	2.9	95%	0.4	N/A	0.0%	0.0%	0.0	20.3	<5
9	166570	81	5,285.0	5,025.8	95%	5.3	18.9	0.0%	0.0%	0.0	0.3	279
11	166573	82	295.3	280.3	95%	3.5	12.8	0.2%	0.0%	0.4	4.5	23
2	165563	82	82.9	78.5	95%	12.6	13.8	0.0%	0.0%	0.0	0.8	6
9	164570	82	1,048.1	991.1	95%	N/A	14.6	0.0%	0.0%	0.4	4.5	72
5	160583	88	1,819.1	1,719.5	95%	6.2	22.5	0.0%	0.2%	0.0	0.0	81
5	162563	85	7,670.2	7,244.0	94%	14.7	17.6	0.1%	0.0%	1.4	0.7	436
10	166563	81	1,599.9	1,510.6	94%	1.2	21.6	0.0%	0.0%	0.0	0.2	74
10	166570	82	6,056.5	5,717.0	94%	4.3	17.7	0.0%	0.0%	0.0	4.2	343
6	160583	88	584.7	551.9	94%	4.3	17.2	0.1%	0.3%	0.0	0.0	34
5	159580	87	4,585.3	4,326.0	94%	7.9	19.9	0.0%	0.0%	0.1	0.0	230
9	166563	81	755.0	711.8	94%	N/A	21.0	0.0%	0.0%	0.0	0.3	36
7	159580	86	5,890.6	5,549.2	94%	4.6	16.7	0.4%	0.2%	0.1	0.7	352
4	162563	85	573.8	540.1	94%	19.8	18.5	0.0%	0.0%	1.6	0.4	31
4	160570	84	443.7	417.1	94%	72.3	19.3	0.0%	0.0%	7.7	1.3	23
9	165570	81	2,751.5	2,585.4	94%	N/A	18.8	0.0%	0.0%	0.0	0.2	146
7	160580	86	391.0	366.2	94%	4.6	15.0	0.2%	0.2%	0.1	0.0	26
9	166570	82	4,825.5	4,518.9	94%	N/A	18.8	0.0%	0.0%	0.0	2.8	256
3	164570	85	78.0	72.9	94%	9.2	N/A	0.1%	0.0%	0.0	0.6	<5
6	164593	87	141.7	132.3	93%	3.5	17.7	1.0%	0.1%	0.0	0.0	8
11	166570	82	3,590.9	3,344.9	93%	3.7	15.1	0.2%	0.0%	0.1	3.1	238
4	162570	85	86.4	80.4	93%	11.5	14.4	0.0%	0.0%	0.5	0.2	6
3	162560	89	602.3	559.3	93%	33.0	31.7	0.0%	0.0%	0.4	0.2	19
5	160583	87	245.9	228.0	93%	5.1	20.5	0.0%	0.1%	0.0	0.0	12
10	167573	82	387.1	357.7	92%	N/A	19.4	0.0%	0.0%	0.0	1.4	20
4	159580	87	153.0	141.2	92%	5.9	19.1	0.0%	0.0%	0.0	0.0	8
11	167570	82	122.1	112.4	92%	4.0	8.1	0.3%	0.0%	0.1	14.4	15
10	166573	82	841.2	773.9	92%	3.5	17.5	0.1%	0.0%	0.0	3.6	48
8	166563	81	315.5	290.2	92%	N/A	15.0	0.0%	0.0%	0.0	0.7	21
1	164553	89	42.4	39.0	92%	N/A	N/A	0.0%	0.0%	1.5	0.1	<5
8	166580	83	1,870.4	1,719.4	92%	2.3	14.1	0.0%	0.0%	0.0	0.2	133
12	164563	82	24.1	22.1	92%	3.8	N/A	0.0%	0.0%	0.1	1.5	<5

Table II.15. Month/Block/Year records with the highest halibut bycatch rate (% of total catch by weight) in the BSAI Yellowfin Sole trawl fishery.

Mo	Block	Yr	Observed			Total CPUEs			Bycatch Rates			
			Total	YFin	(%)	MT Per	(% by weight)	(numbers/mt)	KC	TC	Tows	
6	167593	87	2.8	0.7	26%	0.6	N/A	15.3%	0.0%	0.7	0.0	<5
11	166583	86	4.5	2.7	59%	0.6	N/A	14.8%	0.0%	0.9	0.2	<5
9	165580	87	4.5	1.7	38%	0.7	N/A	13.3%	0.0%	0.4	0.0	<5
8	166583	83	1.8	1.2	67%	0.4	N/A	8.9%	0.0%	0.0	0.6	<5
10	167583	84	5.1	2.3	46%	1.3	N/A	8.3%	0.0%	2.0	0.0	<5
9	164580	85	6.4	4.8	76%	1.5	N/A	8.3%	0.0%	0.6	0.0	<5
7	159563	84	7.0	2.4	34%	1.6	N/A	8.1%	0.0%	0.0	0.0	<5
7	164550	89	36.5	13.2	36%	4.3	N/A	7.7%	2.2%	0.1	0.3	<5
1	159570	85	1.1	0.4	33%	1.2	N/A	7.4%	0.0%	10.9	81.8	<5
11	167583	88	5.1	1.6	31%	0.9	N/A	7.3%	0.0%	0.0	0.0	<5
5	162570	84	19.0	9.9	52%	N/A	3.2	6.9%	0.0%	9.2	0.8	6
6	162553	87	34.0	13.2	39%	2.1	6.8	6.6%	0.6%	0.1	0.0	5
10	162573	84	5.2	2.7	52%	1.5	N/A	6.4%	0.0%	10.8	0.0	<5
6	166590	87	19.7	14.1	71%	1.9	N/A	6.3%	0.0%	0.2	0.0	<5
6	164550	89	31.4	7.9	25%	4.6	N/A	6.3%	0.0%	0.0	6.6	<5
8	162583	86	16.6	11.5	70%	2.0	N/A	6.1%	0.0%	0.2	0.1	<5
10	164580	88	15.3	4.0	26%	2.4	N/A	5.9%	0.1%	0.0	6.1	<5
9	165583	84	9.5	5.3	56%	1.7	N/A	5.8%	0.0%	0.0	0.0	<5
5	165563	85	2.4	0.5	22%	1.6	N/A	5.8%	0.0%	0.0	103.8	<5
12	168570	83	1.4	0.4	32%	0.6	N/A	5.7%	0.0%	11.4	65.7	<5
9	165553	85	4.7	1.9	40%	1.4	N/A	5.7%	0.0%	0.2	1.3	<5
6	161560	86	9.4	2.1	22%	6.3	N/A	5.3%	0.0%	6.2	3.1	<5
8	165583	84	23.2	13.5	58%	1.2	3.3	5.2%	0.1%	0.0	0.0	7
8	160563	82	1,093.1	297.6	27%	N/A	10.7	5.0%	0.0%	6.8	0.0	102
7	162553	87	62.1	29.8	48%	4.5	12.4	4.9%	0.1%	0.0	0.0	5
5	165570	82	4.5	1.1	24%	1.0	N/A	4.7%	5.1%	4.9	1.3	<5
6	161580	86	7.5	2.8	38%	1.8	N/A	4.7%	0.0%	2.8	0.0	<5
6	163580	86	5.6	3.2	57%	1.4	N/A	4.4%	0.0%	0.5	0.2	<5
6	166593	87	17.5	11.8	68%	2.1	N/A	4.2%	0.0%	0.1	0.0	<5
9	162580	85	12.2	8.7	71%	1.0	N/A	4.0%	0.0%	0.7	0.0	<5
7	164563	82	19.0	4.5	24%	3.4	N/A	4.0%	0.1%	100.0	33.3	<5
10	169570	85	203.0	90.5	45%	3.1	12.7	3.8%	0.0%	2.8	83.1	16
7	161560	88	36.3	16.9	47%	6.0	N/A	3.7%	1.0%	0.0	0.0	<5
12	158573	85	2.1	0.7	31%	0.5	N/A	3.7%	0.0%	0.0	0.0	<5
10	159580	84	1.9	0.6	33%	1.1	N/A	3.7%	0.0%	0.5	0.0	<5
11	164580	86	3.0	1.8	59%	1.0	N/A	3.7%	0.0%	0.0	0.0	<5
10	163580	84	13.1	9.6	73%	1.5	N/A	3.6%	0.0%	0.1	0.0	<5
7	159573	81	7.1	3.0	42%	0.9	N/A	3.6%	2.8%	19.7	0.7	<5
6	164580	86	9.6	4.2	44%	1.7	N/A	3.6%	0.0%	0.3	5.5	<5
5	165573	87	41.3	19.7	48%	2.7	N/A	3.6%	0.0%	0.0	5.3	<5
9	172600	89	30.0	8.7	29%	6.0	N/A	3.5%	0.1%	3.3	36.8	<5
7	161560	84	57.4	20.2	35%	6.2	7.2	3.5%	0.0%	0.2	0.1	8
10	167583	85	26.1	17.3	66%	1.7	N/A	3.4%	0.0%	0.3	0.2	<5

Table II.16. Month/Block/Year records with the highest herring bycatch rate (% of total catch by weight) in the BSAI Yellowfin Sole trawl fishery.

Mo	Block	Yr	Observed			Total CPUEs			Bycatch Rates				
			Total	YFin	(%)	MT Per	Hour	Tow	(% by weight)	(numbers/mt)	KC		
Mo	Block	Yr	Total	YFin	(%)	MT Per	Hour	Tow	Hal	Her	KC	TC	Tows
9	168570	82	3.5	1.6	47%	1.1	N/A	0.0%	15.7%	0.0	27.1	<5	
4	165570	82	9.2	4.5	49%	0.9	N/A	0.1%	11.1%	0.9	12.8	<5	
6	162553	84	11.2	2.6	24%	2.9	N/A	2.8%	10.0%	1.3	0.4	<5	
5	168580	85	3.0	0.9	31%	0.8	N/A	0.0%	8.7%	2.7	469.3	<5	
6	161560	85	360.9	128.4	36%	4.8	18.0	0.9%	5.4%	3.4	0.5	20	
5	165570	82	4.5	1.1	24%	1.0	N/A	4.7%	5.1%	4.9	1.3	<5	
4	168573	82	0.2	0.2	80%	0.1	N/A	0.0%	5.0%	0.0	35.0	<5	
7	161560	89	202.9	90.1	44%	5.9	20.3	1.7%	5.0%	1.0	0.3	10	
7	162573	81	18.9	7.9	42%	5.8	N/A	0.5%	4.6%	12.4	0.6	<5	
6	160560	85	350.1	138.8	40%	4.2	14.6	0.6%	4.6%	3.8	0.6	24	
8	162570	83	16.0	6.7	42%	3.9	N/A	0.3%	4.4%	1.3	0.2	<5	
7	162570	81	11.3	5.3	47%	2.3	N/A	0.4%	4.2%	4.1	0.5	<5	
4	166570	82	6.7	3.2	48%	0.8	N/A	0.9%	3.4%	5.5	6.6	<5	
5	164590	86	2.1	1.6	75%	2.1	N/A	0.0%	3.3%	0.0	0.0	<5	
8	162580	84	15.3	9.6	63%	1.4	N/A	3.4%	3.1%	0.1	0.1	<5	
7	159573	81	7.1	3.0	42%	0.9	N/A	3.6%	2.8%	19.7	0.7	<5	
7	160560	85	1,333.6	709.1	53%	3.8	15.7	1.0%	2.5%	3.7	1.2	85	
9	165560	82	16.0	8.8	55%	7.4	N/A	0.0%	2.5%	0.0	0.1	<5	
6	162573	83	59.5	25.4	43%	3.6	N/A	0.7%	2.5%	8.0	19.9	<5	
4	167573	82	5.3	3.8	71%	0.4	0.9	0.0%	2.5%	0.6	7.5	6	
6	161580	87	230.3	132.8	58%	3.5	20.9	2.0%	2.4%	3.8	0.0	11	
5	161580	87	5.2	2.3	44%	1.4	N/A	2.3%	2.3%	2.1	0.2	<5	
5	166580	88	56.0	16.7	30%	2.9	11.2	0.1%	2.3%	0.0	14.8	5	
8	159580	87	3.6	2.2	62%	1.7	N/A	2.3%	2.2%	0.8	0.0	<5	
5	169590	87	11.8	5.5	47%	2.9	N/A	0.1%	2.2%	0.0	7.4	<5	
7	164550	89	36.5	13.2	36%	4.3	N/A	7.7%	2.2%	0.1	0.3	<5	
7	165570	82	37.0	9.6	26%	3.6	N/A	0.0%	2.0%	15.2	2.2	<5	
5	167580	86	67.4	31.4	47%	2.0	9.6	0.3%	2.0%	0.0	195.5	7	
6	163550	89	41.8	10.7	26%	9.6	N/A	1.5%	1.8%	0.0	2.9	<5	
6	161573	83	79.0	35.6	45%	4.5	N/A	0.3%	1.7%	10.3	1.8	<5	
5	166573	88	137.6	83.3	61%	2.7	11.5	0.0%	1.6%	0.0	60.1	12	
8	169563	87	14.5	4.0	27%	2.8	N/A	0.4%	1.6%	1.5	34.5	<5	
8	160580	87	17.7	5.1	29%	4.4	N/A	0.0%	1.5%	0.3	0.0	<5	
7	158573	81	41.0	30.5	74%	2.4	N/A	2.1%	1.5%	12.5	0.0	<5	
7	165573	82	24.5	16.9	69%	N/A	N/A	0.0%	1.5%	0.0	153.6	<5	
9	164563	84	3.7	1.8	48%	2.0	N/A	0.1%	1.4%	0.0	15.7	<5	
7	165543	84	18.0	3.7	21%	5.0	N/A	2.7%	1.2%	0.0	1.7	<5	
5	169583	87	123.8	68.2	55%	4.8	20.6	0.1%	1.1%	0.0	10.3	6	
7	164563	84	10.1	4.8	48%	1.8	N/A	0.0%	1.1%	0.0	23.4	<5	
7	162573	83	472.0	248.0	53%	3.6	12.4	0.7%	1.1%	9.1	7.7	38	
7	161560	88	36.3	16.9	47%	6.0	N/A	3.7%	1.0%	0.0	0.0	<5	
9	163573	83	64.9	27.6	42%	3.3	N/A	0.2%	1.0%	0.6	1.2	<5	
8	163570	84	707.2	336.6	48%	3.6	22.1	0.0%	1.0%	5.0	0.5	32	

Table II.17. Month/Block/Year records with the highest king crab bycatch rate (number of animals per metric ton of total catch) in the BSAI Yellowfin Sole trawl fishery.

Mo	Block	Yr	Observed			Total CPUEs			Bycatch Rates		
			Catch (mt)			MT Per		(% by weight)		(numbers/mt)	
			Total	YFin	(%)	Hour	Tow	Hal	Her	KC	TC
Mo	Block	Yr	Total	YFin	(%)	Hour	Tow	Hal	Her	KC	Tows
8	161563	81	113.9	59.9	53%	N/A	11.4	0.1%	0.0%	196.1	43.7
3	163563	86	24.8	15.1	61%	3.6	N/A	0.0%	0.0%	186.5	6.7
5	161573	84	3.6	2.2	60%	2.2	N/A	0.0%	0.0%	114.7	3.9
7	164563	82	19.0	4.5	24%	3.4	N/A	4.0%	0.1%	100.0	33.3
9	160563	81	111.7	38.9	35%	N/A	8.6	0.9%	0.0%	75.0	35.6
5	161563	84	38.0	22.6	60%	20.9	N/A	0.6%	0.0%	75.0	10.0
7	162570	82	4.8	2.2	46%	1.9	N/A	0.0%	0.0%	69.0	2.1
5	160570	83	61.0	54.8	90%	N/A	N/A	0.1%	0.0%	68.7	50.9
5	163580	85	5.0	2.4	47%	3.0	N/A	0.0%	0.6%	66.6	0.0
5	159573	81	600.8	272.4	45%	N/A	11.6	0.4%	0.0%	64.5	1.3
6	159573	84	306.5	200.8	65%	23.5	17.0	0.2%	0.0%	63.5	0.9
9	161560	81	752.9	369.7	49%	N/A	13.7	0.4%	0.0%	60.1	67.5
8	161560	81	569.1	275.7	48%	N/A	14.6	1.2%	0.0%	56.2	32.7
5	159563	81	82.0	27.4	33%	N/A	7.5	0.2%	0.0%	55.6	11.8
4	161560	84	12.6	4.8	38%	3.6	N/A	0.9%	0.0%	55.6	161.1
8	162563	83	69.9	31.8	45%	N/A	14.0	0.2%	0.0%	53.6	0.0
7	160570	83	1,207.4	633.4	52%	N/A	12.0	0.2%	0.0%	51.8	5.4
5	159580	83	129.1	98.6	76%	N/A	14.3	0.3%	0.0%	50.6	20.3
6	161560	89	76.1	22.4	29%	7.0	N/A	2.4%	0.0%	50.1	0.2
7	160573	83	273.8	163.0	60%	N/A	12.4	0.4%	0.1%	48.3	2.3
6	161563	85	11.9	3.0	25%	1.2	N/A	1.2%	0.0%	48.1	9.1
7	160580	85	100.3	54.4	54%	2.6	14.3	1.0%	0.0%	45.7	1.4
10	169570	86	37.6	18.5	49%	3.3	N/A	1.6%	0.0%	42.5	12.7
8	162560	81	65.1	21.6	33%	N/A	N/A	0.8%	0.0%	40.7	19.8
6	160570	83	2,865.3	2,306.1	80%	N/A	14.3	0.1%	0.1%	38.2	21.3
4	162553	85	275.4	210.3	76%	4.5	11.0	0.2%	0.0%	37.4	16.1
5	160573	83	75.0	53.1	71%	N/A	15.0	0.1%	0.0%	37.1	35.9
8	161563	83	43.8	11.3	26%	N/A	N/A	0.8%	0.2%	37.0	4.5
5	161560	82	132.0	29.2	22%	N/A	14.7	0.3%	0.0%	34.3	3.8
5	162573	84	7.7	5.1	66%	1.5	N/A	0.0%	0.0%	34.0	0.5
7	159570	83	239.3	145.4	61%	N/A	12.6	0.2%	0.0%	34.0	5.5
2	164563	82	8.5	5.0	58%	2.4	N/A	0.0%	0.0%	33.8	2.4
5	164563	86	10.2	5.6	55%	2.1	N/A	3.3%	0.0%	32.5	12.6
5	161573	83	32.3	16.7	52%	4.4	N/A	0.8%	0.0%	32.3	0.3
8	160563	81	263.9	133.6	51%	N/A	9.1	0.8%	0.0%	32.0	55.0
4	162570	84	3.5	1.2	34%	1.0	N/A	0.0%	0.0%	27.7	1.7
4	162560	85	36.2	17.9	49%	8.5	N/A	0.2%	0.0%	27.7	2.4
6	159570	83	722.0	589.5	82%	N/A	14.2	0.2%	0.1%	27.6	12.4
7	159573	83	140.0	67.4	48%	N/A	12.7	0.3%	0.0%	27.3	2.7
4	160573	85	2.2	1.1	52%	1.1	N/A	0.1%	0.0%	26.8	15.9
7	163570	82	71.7	29.1	41%	2.3	9.0	0.0%	0.7%	25.6	26.6
7	161573	81	3.7	1.8	49%	3.2	N/A	0.0%	0.8%	24.9	0.0
1	166563	89	48.7	42.2	87%	41.7	N/A	0.0%	0.0%	24.0	10.8

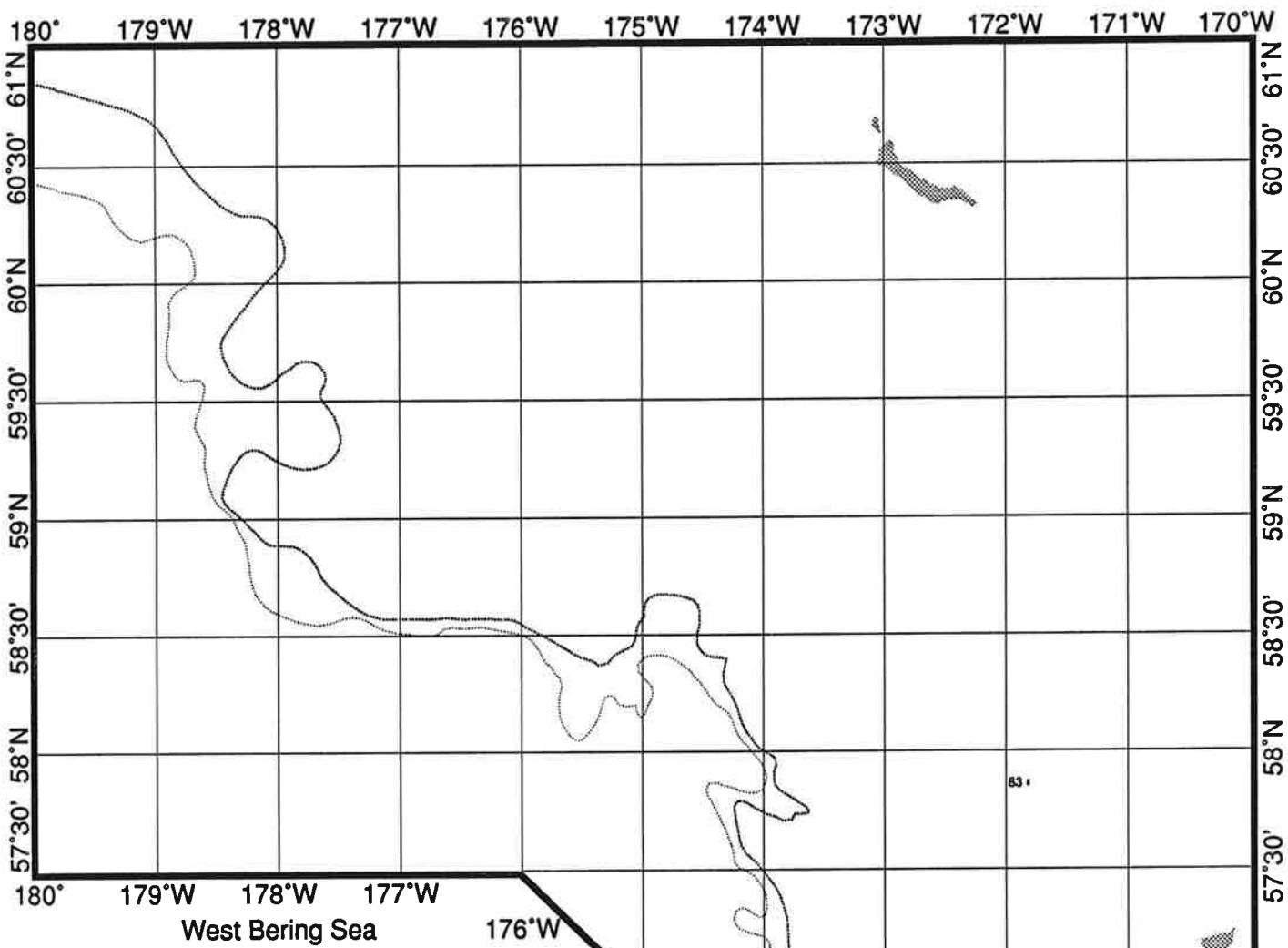
Table II.18. Month/Block/Year records with the highest Tanner crab bycatch rate (number of animals per metric ton of total catch) in the BSAI Yellowfin Sole trawl fishery.

Mo	Block	Yr	Observed			Total CPUEs			Bycatch Rates					
			Total	YFin	(%)	MT Per	Hour	Tow	(% by weight)	Hal	Her	KC		
Mo	Block	Yr	Total	YFin	(%)	MT Per	Hour	Tow	(% by weight)	Hal	Her	KC	TC	Tows
12	171580	84	1.1	0.2	22%	0.9	N/A	1.7%	0.0%	1.8	2,179.1	<5		
6	167573	88	13.3	4.0	30%	2.7	N/A	0.0%	0.0%	0.0	1,711.1	<5		
6	167570	87	19.1	4.2	22%	3.8	N/A	0.0%	0.0%	0.0	1,664.5	<5		
6	168570	86	13.2	3.9	30%	2.2	N/A	0.2%	0.0%	0.1	1,097.0	<5		
5	167573	86	2.0	0.6	32%	2.0	N/A	2.5%	0.0%	0.0	921.0	<5		
7	172603	88	6.7	2.8	42%	2.7	N/A	0.1%	0.1%	0.0	794.6	<5		
4	168573	87	9.0	2.4	27%	3.0	N/A	1.0%	0.0%	0.0	621.2	<5		
5	166573	87	7.0	1.8	25%	1.5	N/A	0.4%	0.0%	0.0	612.0	<5		
12	171593	84	18.6	10.1	54%	2.9	N/A	0.1%	0.0%	0.0	597.9	<5		
7	167573	82	21.9	12.9	59%	N/A	N/A	0.0%	0.0%	0.0	572.4	<5		
12	169580	89	8.0	3.5	43%	1.8	N/A	0.2%	0.0%	0.1	532.5	<5		
5	168580	85	3.0	0.9	31%	0.8	N/A	0.0%	8.7%	2.7	469.3	<5		
5	169580	83	0.4	0.2	38%	0.2	N/A	0.9%	0.0%	0.0	455.0	<5		
8	165573	82	164.2	99.1	60%	N/A	7.1	0.0%	0.0%	1.5	409.2	23		
12	170583	86	13.3	6.9	52%	1.5	N/A	0.8%	0.0%	0.2	398.3	<5		
11	170583	86	13.8	8.6	62%	1.6	N/A	1.0%	0.0%	0.1	378.8	<5		
2	167573	81	0.2	0.1	25%	0.2	N/A	0.0%	0.0%	0.0	370.0	<5		
4	166580	87	603.8	305.9	51%	3.6	14.7	0.1%	0.0%	0.0	349.9	41		
1	171573	83	2.1	1.0	48%	0.2	N/A	0.7%	0.0%	1.9	316.7	<5		
6	166573	87	10.4	6.0	58%	2.8	N/A	0.5%	0.0%	0.0	313.8	<5		
1	167570	81	0.3	0.1	33%	0.3	N/A	0.2%	0.0%	0.0	303.3	<5		
8	169570	85	0.8	0.3	36%	0.3	N/A	1.9%	0.0%	6.3	301.3	<5		
10	166563	86	43.9	18.1	41%	3.9	N/A	0.0%	0.0%	0.0	294.9	<5		
9	169573	85	19.5	9.9	51%	2.7	N/A	0.0%	0.1%	0.7	275.3	<5		
4	167580	87	1,151.6	641.6	56%	4.4	15.6	0.1%	0.0%	0.0	260.6	74		
11	165570	81	45.8	33.6	73%	4.4	N/A	1.1%	0.1%	1.7	260.4	<5		
8	171583	84	54.0	20.5	38%	10.0	7.7	0.3%	0.1%	0.4	255.7	7		
6	168580	88	14.9	4.7	31%	4.6	N/A	0.6%	0.0%	0.0	254.6	<5		
11	171580	85	7.3	2.1	28%	1.8	N/A	1.5%	0.1%	0.0	249.9	<5		
10	167573	86	100.2	49.4	49%	2.5	16.7	0.0%	0.0%	0.1	247.1	6		
2	167570	81	0.9	0.5	51%	0.3	N/A	0.0%	0.0%	0.0	246.7	<5		
6	168580	86	252.2	78.2	31%	2.6	14.8	0.8%	0.1%	0.1	230.4	17		
4	163573	87	7.0	3.5	49%	2.3	N/A	0.0%	0.0%	15.4	226.0	<5		
4	166573	87	2,398.8	1,359.1	57%	4.2	14.4	0.3%	0.0%	0.0	213.5	167		
12	170593	84	10.4	5.0	48%	1.2	N/A	0.0%	0.0%	0.3	204.1	<5		
8	169573	87	128.2	34.7	27%	1.5	8.5	0.7%	0.1%	0.5	198.3	15		
5	167580	86	67.4	31.4	47%	2.0	9.6	0.3%	2.0%	0.0	195.5	7		
10	170590	86	7.5	5.1	68%	1.6	N/A	0.0%	0.0%	0.0	194.0	<5		
6	167573	87	138.6	39.8	29%	4.0	15.4	0.3%	0.0%	0.0	186.2	9		
7	166573	82	9.3	7.6	82%	N/A	N/A	0.0%	0.0%	0.0	183.3	<5		
12	166563	82	4.1	2.5	62%	1.1	N/A	2.6%	0.0%	0.5	179.3	<5		
8	169570	87	7.6	1.9	25%	1.3	N/A	3.0%	0.0%	10.0	178.9	<5		
3	159570	86	0.8	0.3	33%	0.4	N/A	0.0%	0.0%	10.0	177.5	<5		

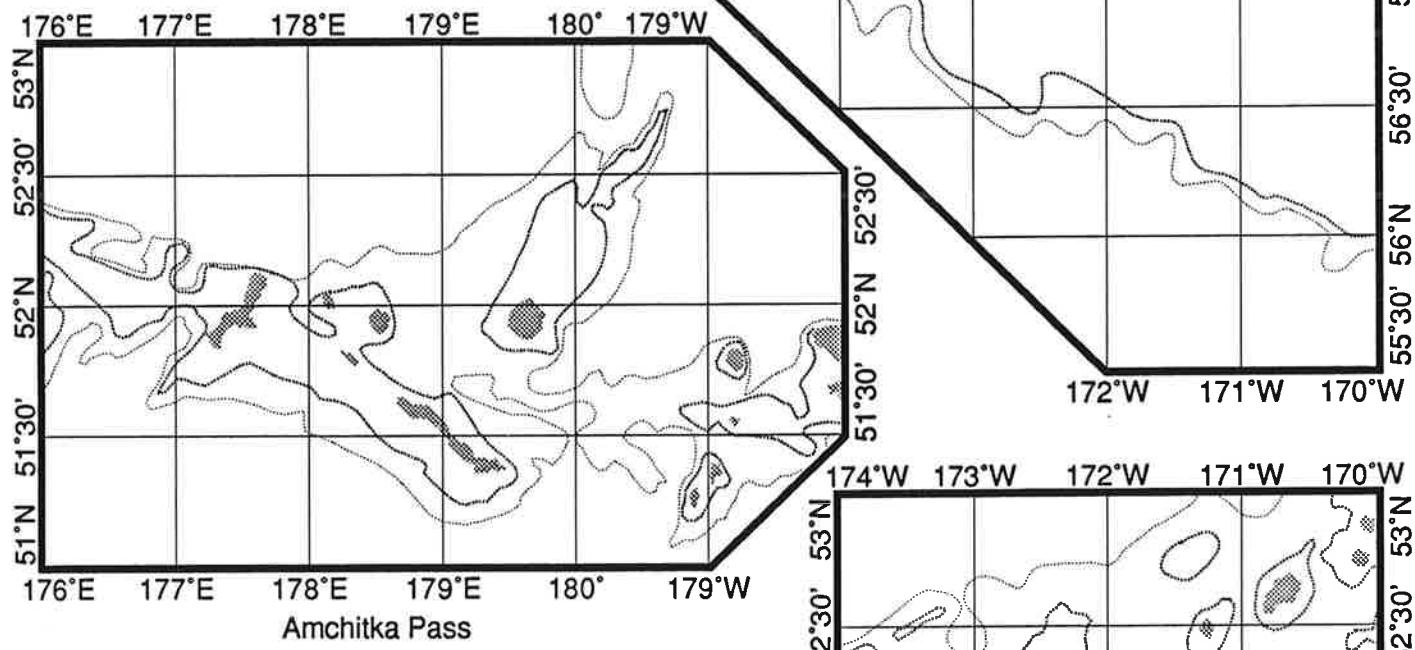
SECTION III

CATCH PER UNIT EFFORT CHARTS

III-2



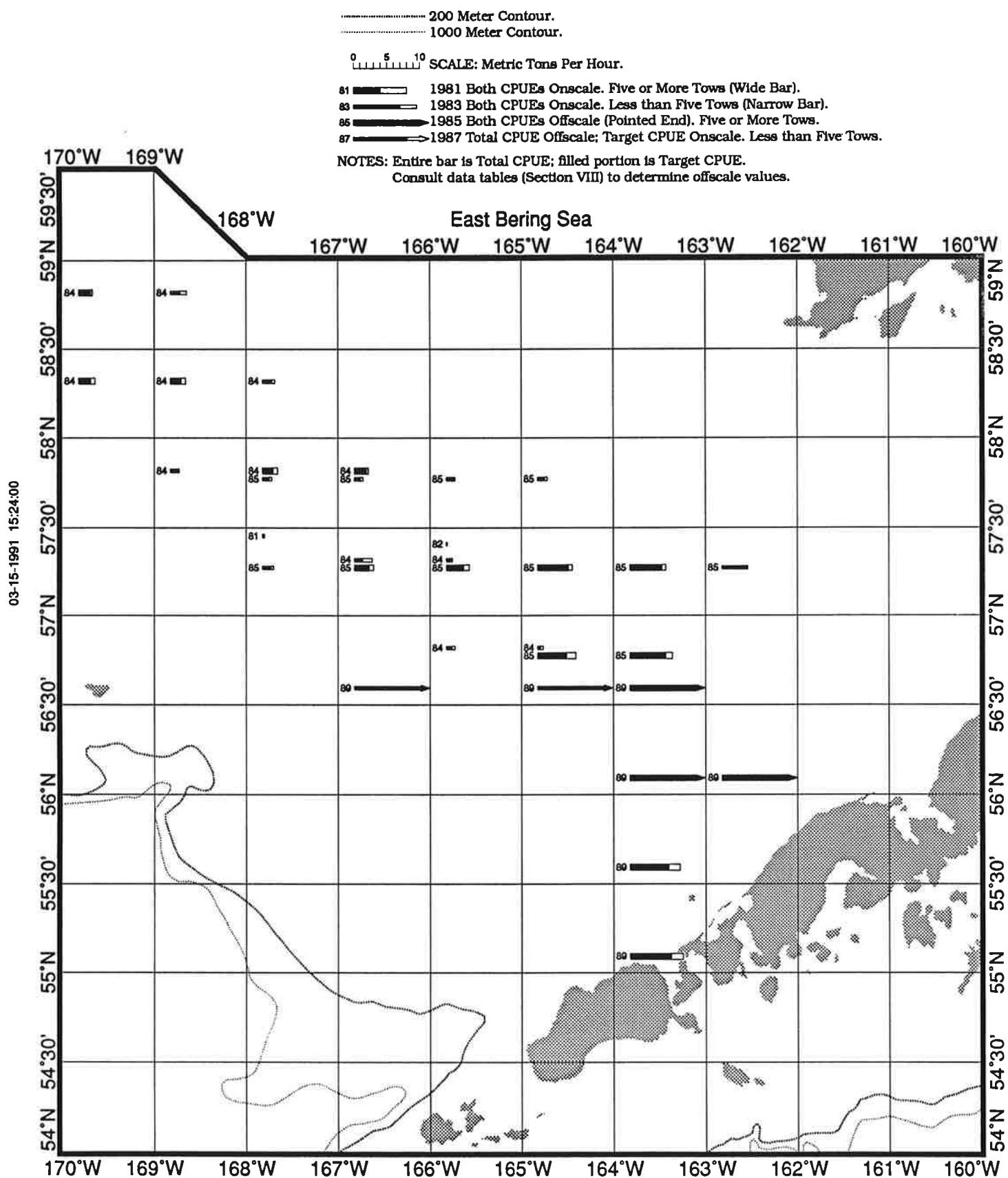
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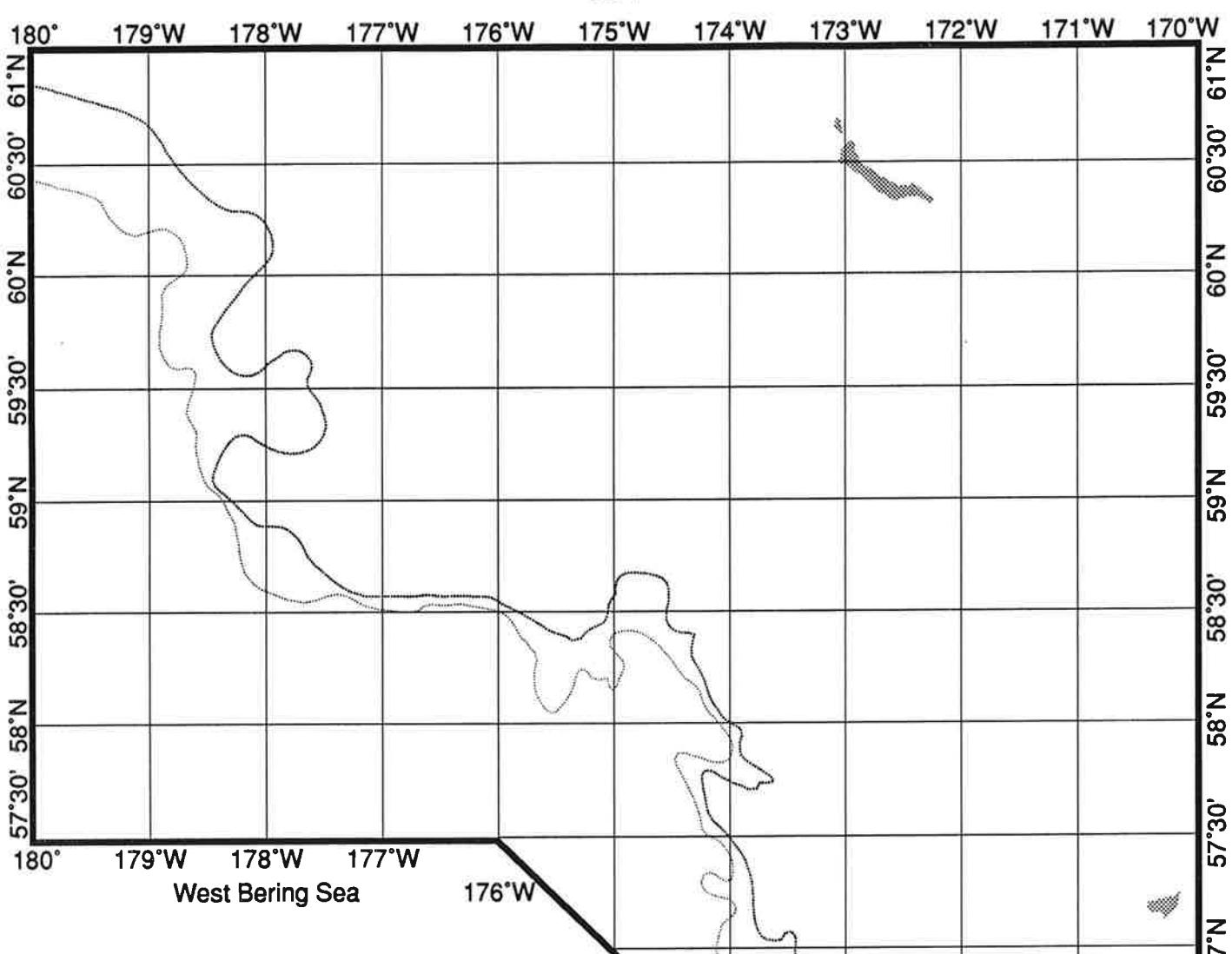
January
YELLOWFIN SOLE
Catch Per Unit Effort

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

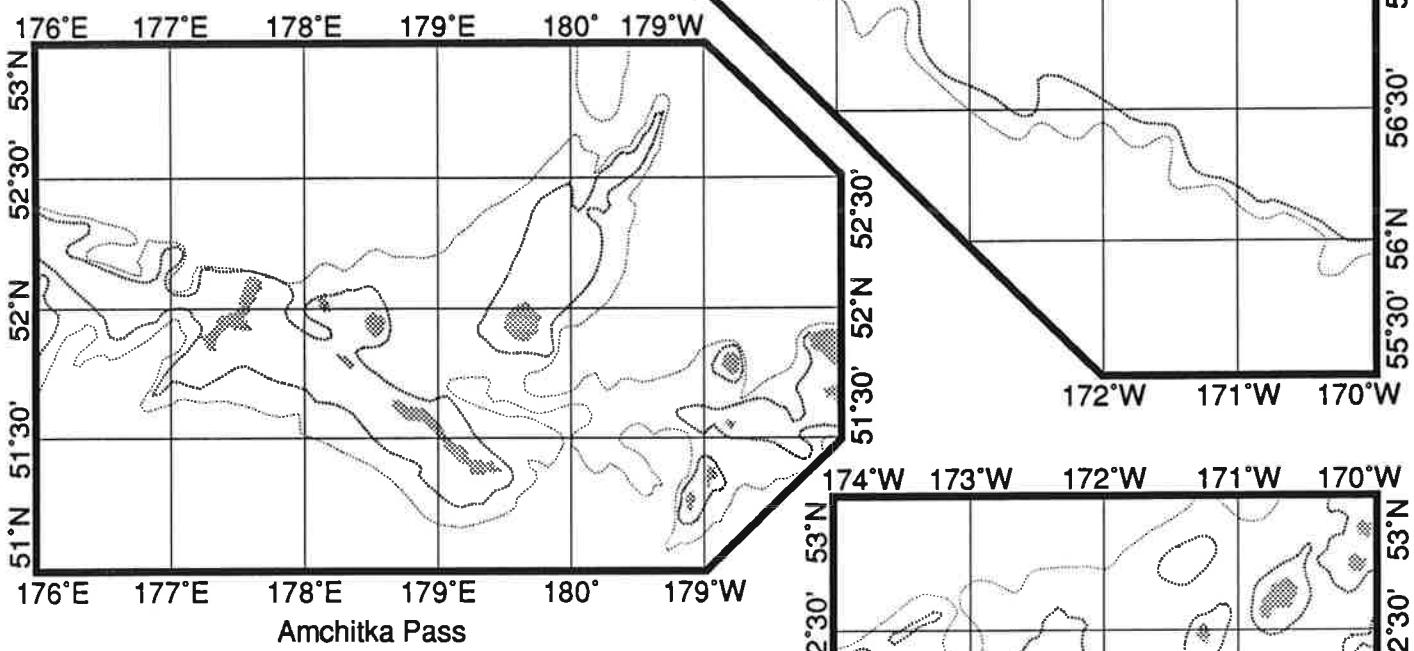
**January
YELLOWFIN SOLE
Catch Per Unit Effort**



III-4



03-16-1991 16:14:12

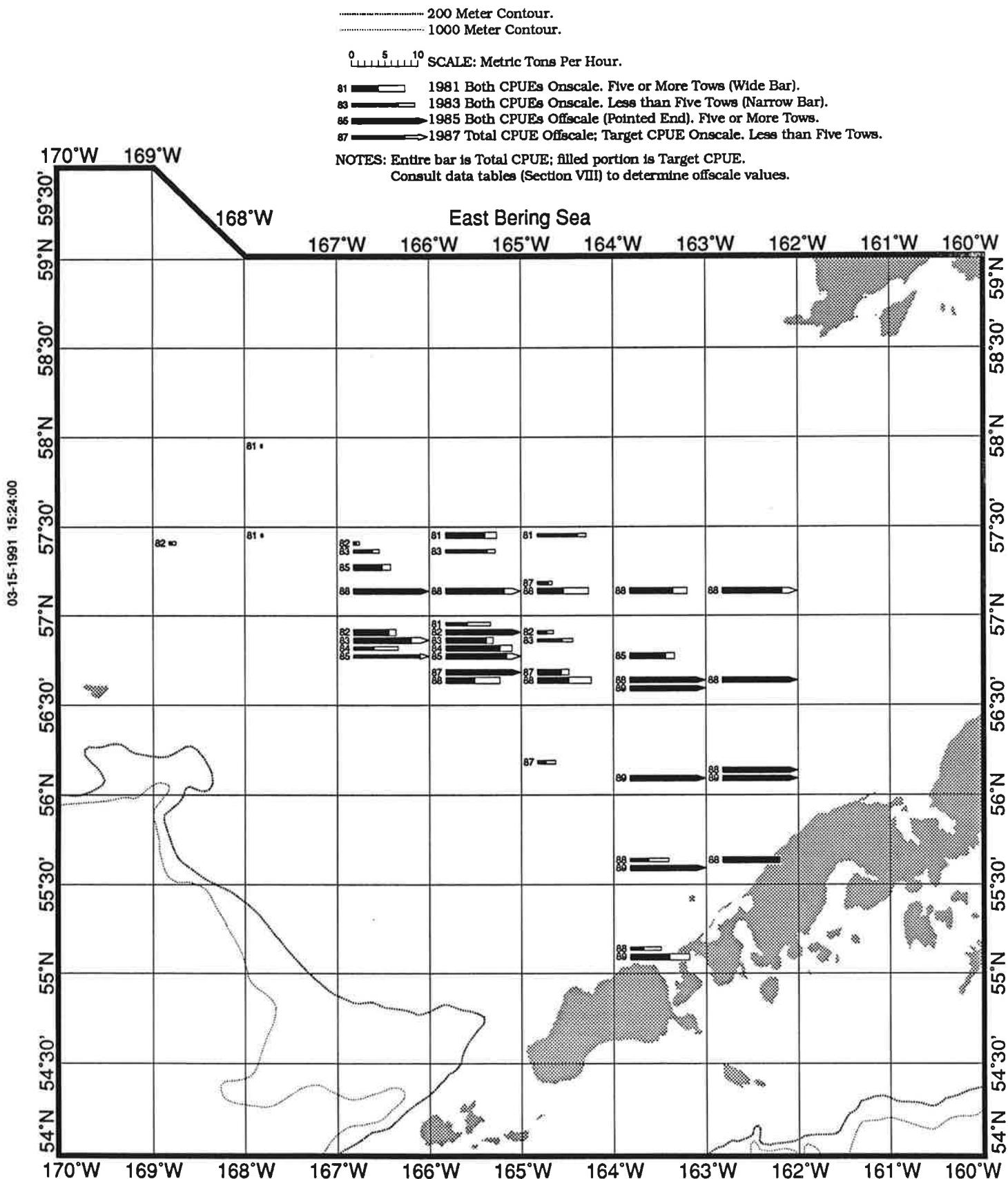


February
YELLOWFIN SOLE
Catch Per Unit Effort

Seguam Pass

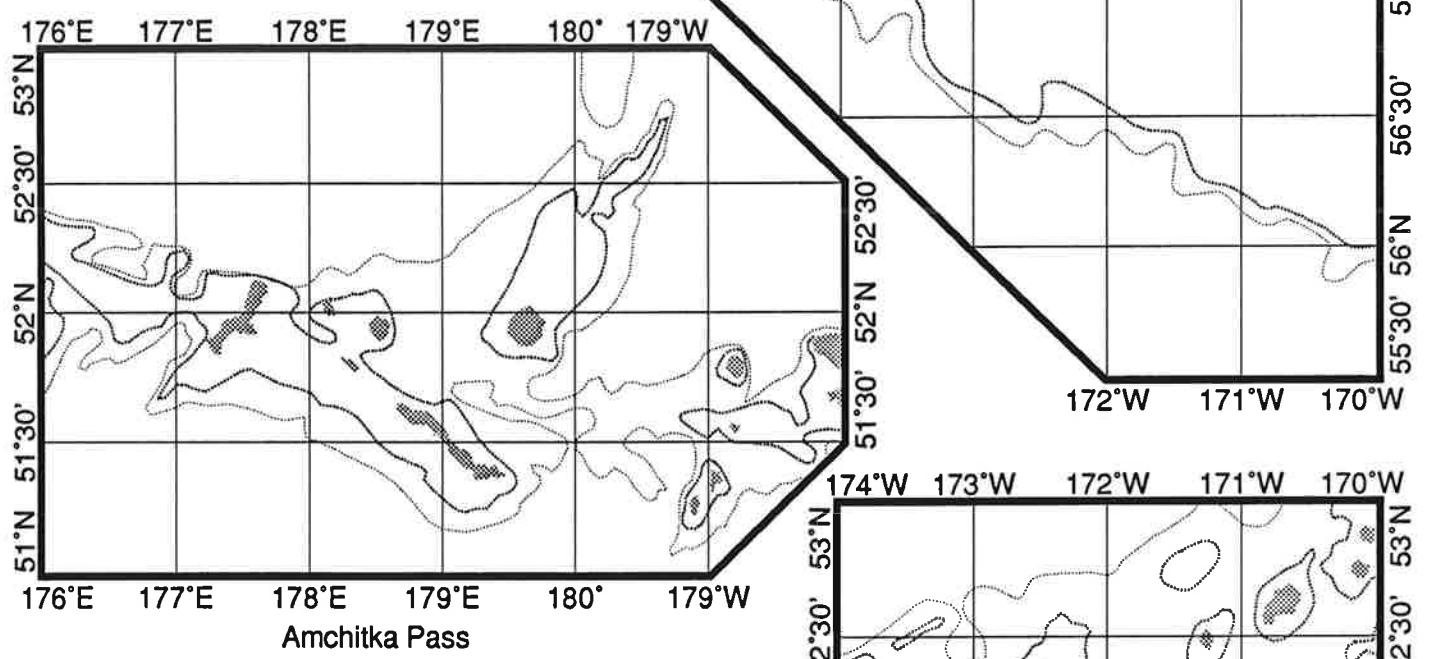
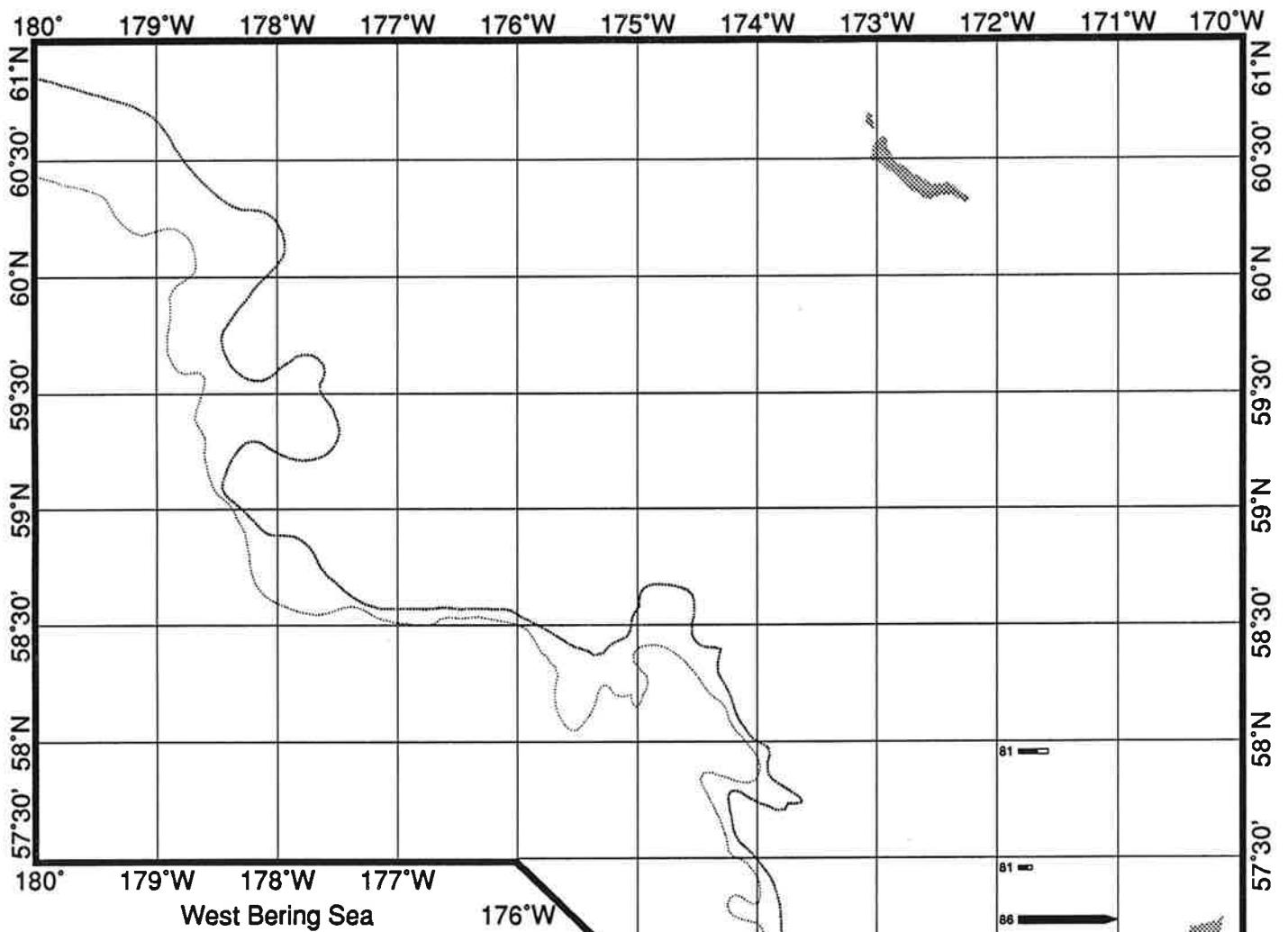
IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

February
YELLOWFIN SOLE
Catch Per Unit Effort



IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

III-6



March
YELLOWFIN SOLE
Catch Per Unit Effort

Seguam Pass

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

03-15-1991 15:24:00

March **YELLOWFIN SOLE** Catch Per Unit Effort

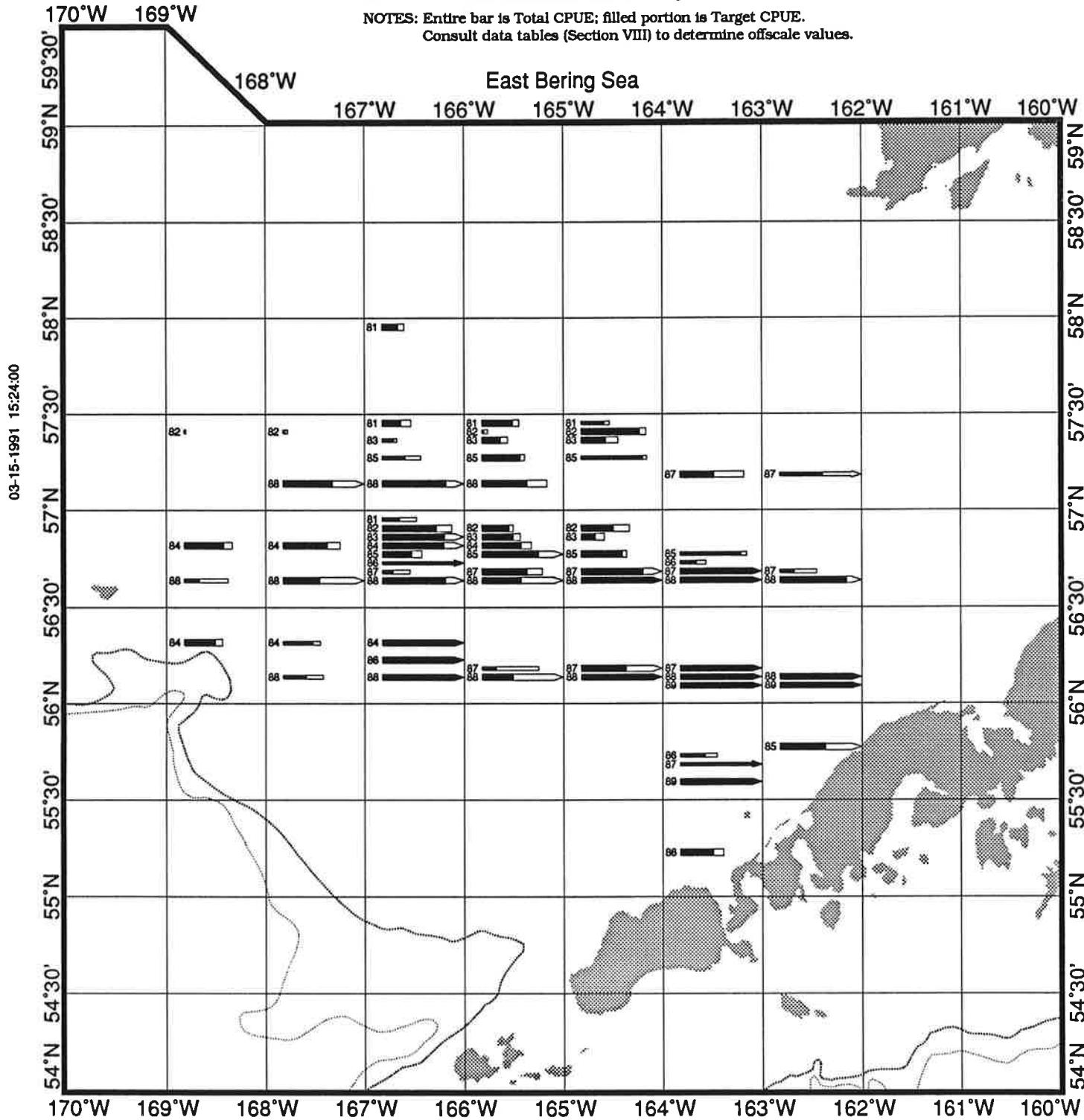
200 Meter Contour.
1000 Meter Contour.

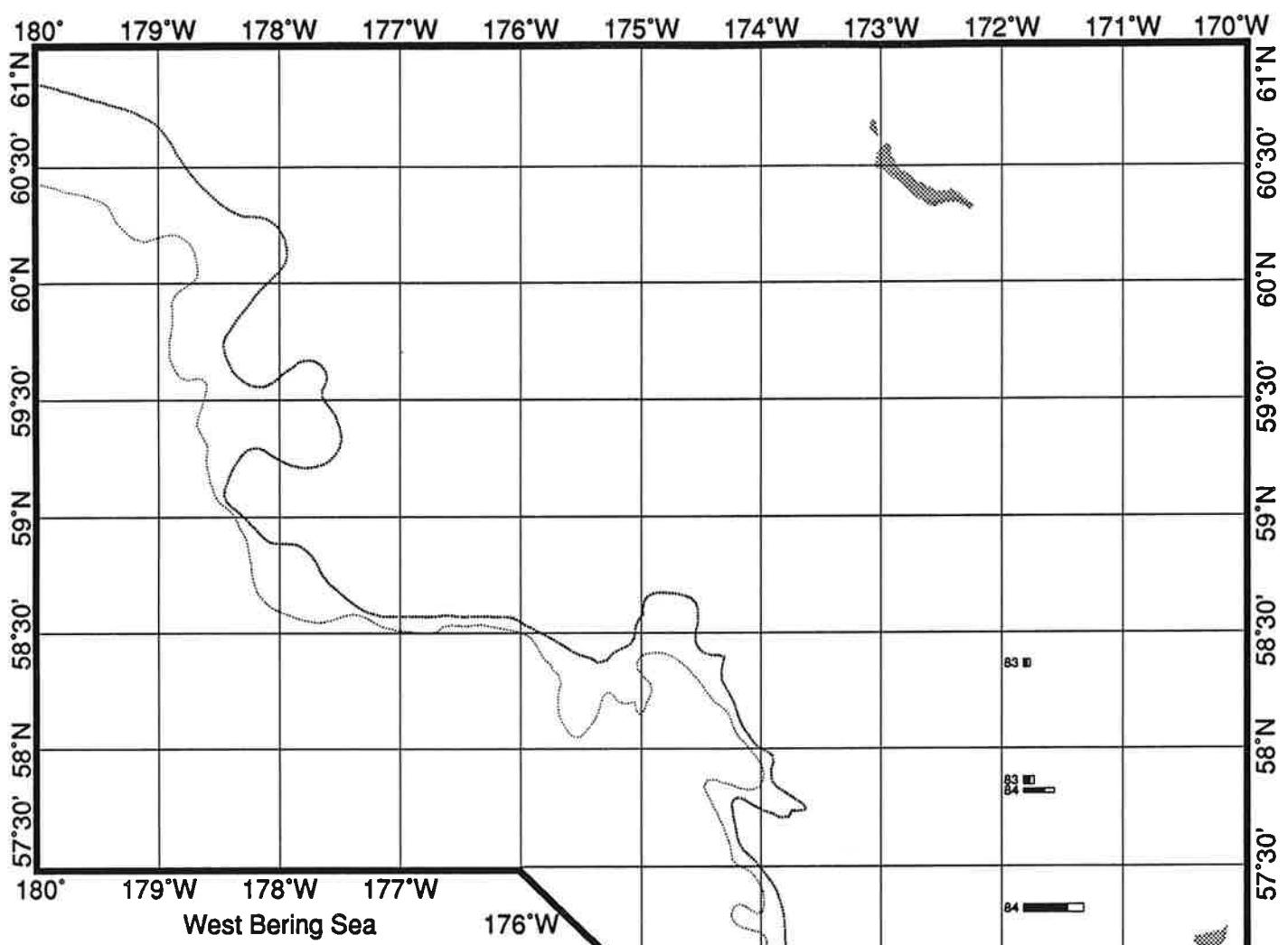
0 5 10 SCALE: Metric Tons Per Hour.

- 81 1981 Both CPUEs Onscale. Five or More Tows (Wide Bar).
 83 1983 Both CPUEs Onscale. Less than Five Tows (Narrow Bar).
 85 1985 Both CPUEs Offscale (Pointed End). Five or More Tows.
 87 1987 Total CPUE Offscale; Target CPUE Onscale. Less than Five Tows.

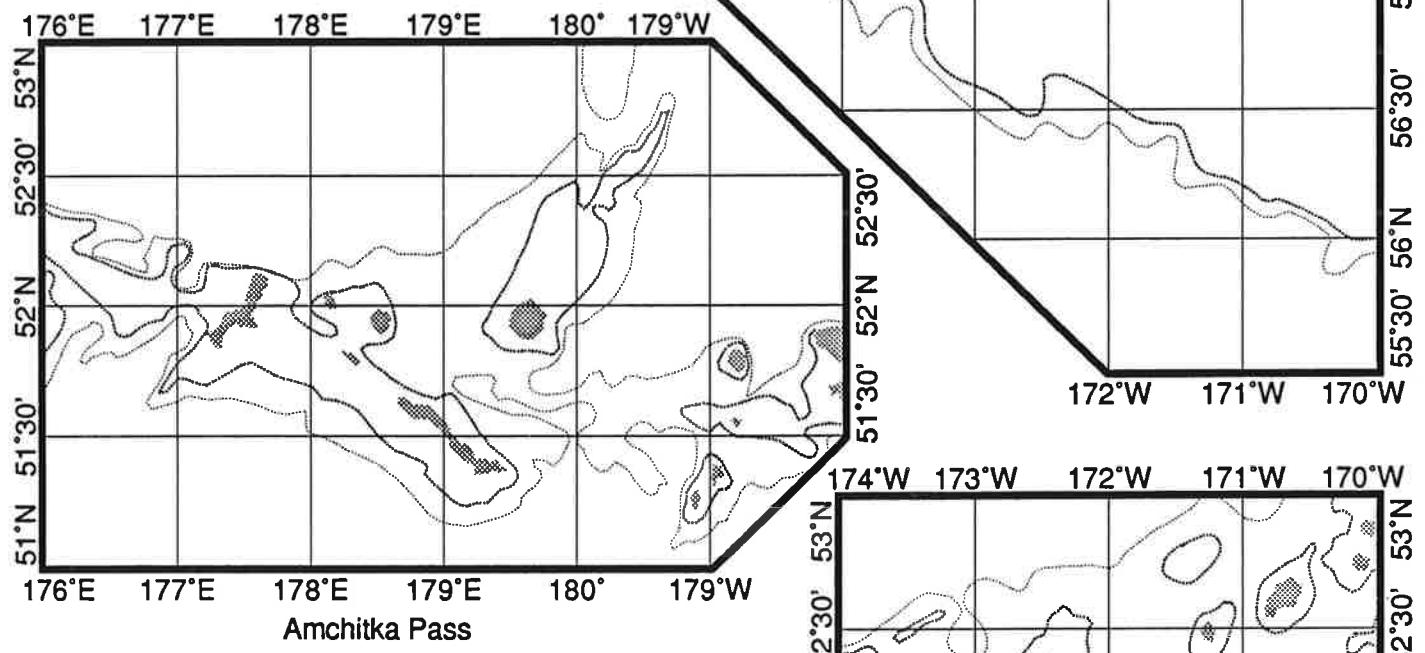
NOTES: Entire bar is Total CPUE; filled portion is Target CPUE.

Consult data tables (Section VIII) to determine offscale values.





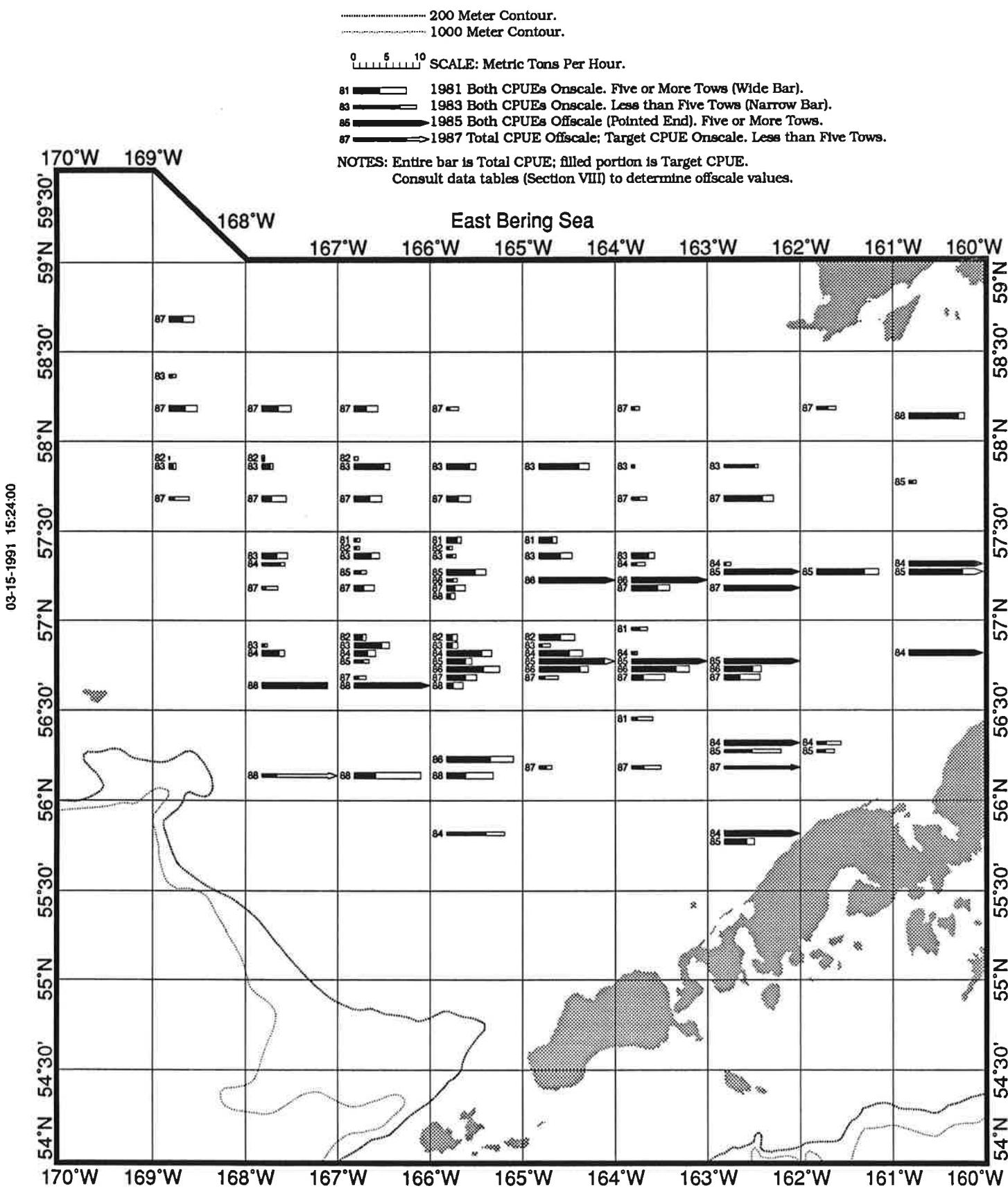
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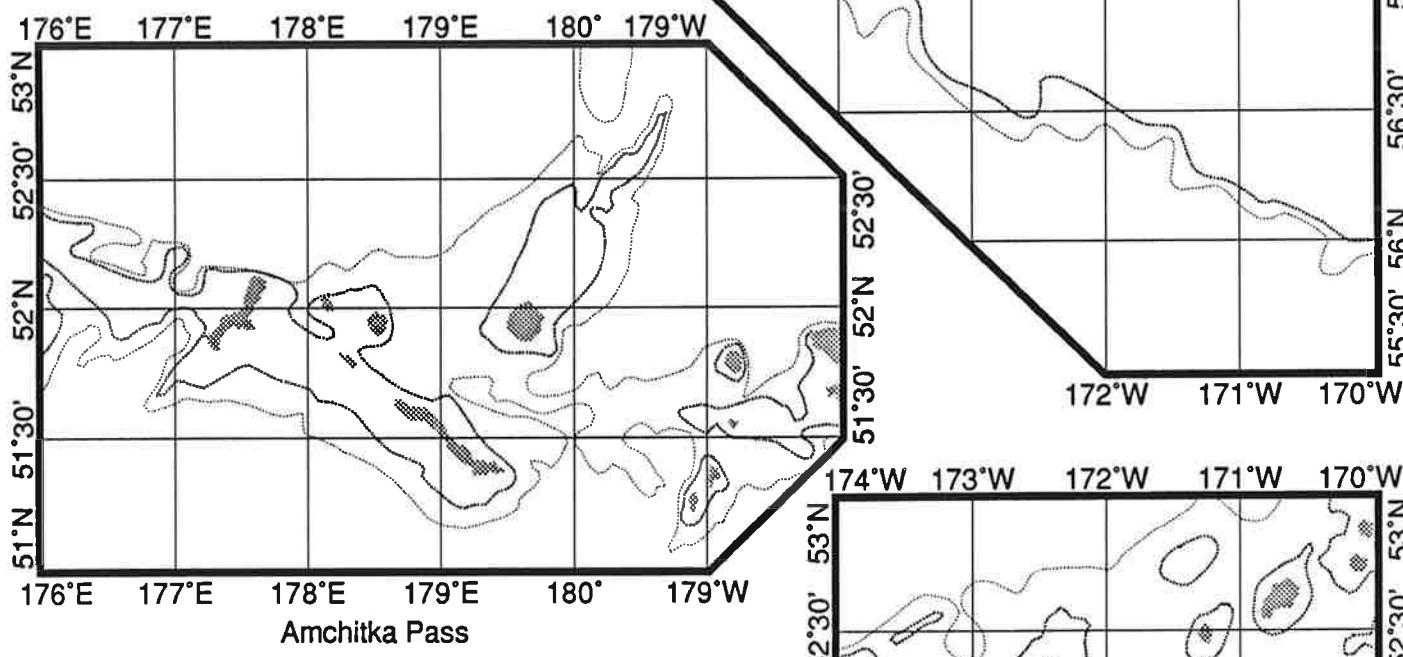
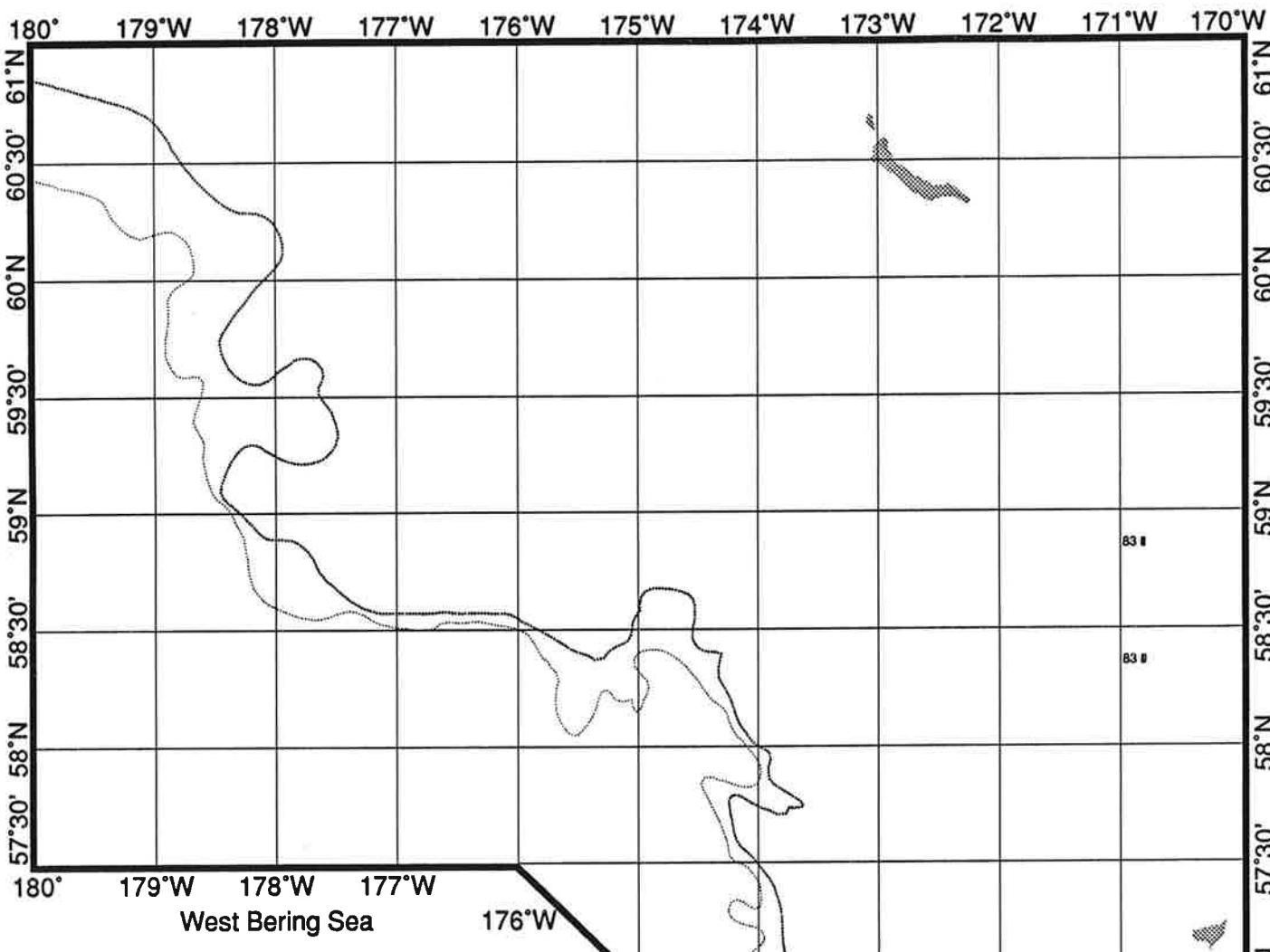


April
YELLOWFIN SOLE
Catch Per Unit Effort

Seguam Pass

April
YELLOWFIN SOLE
Catch Per Unit Effort





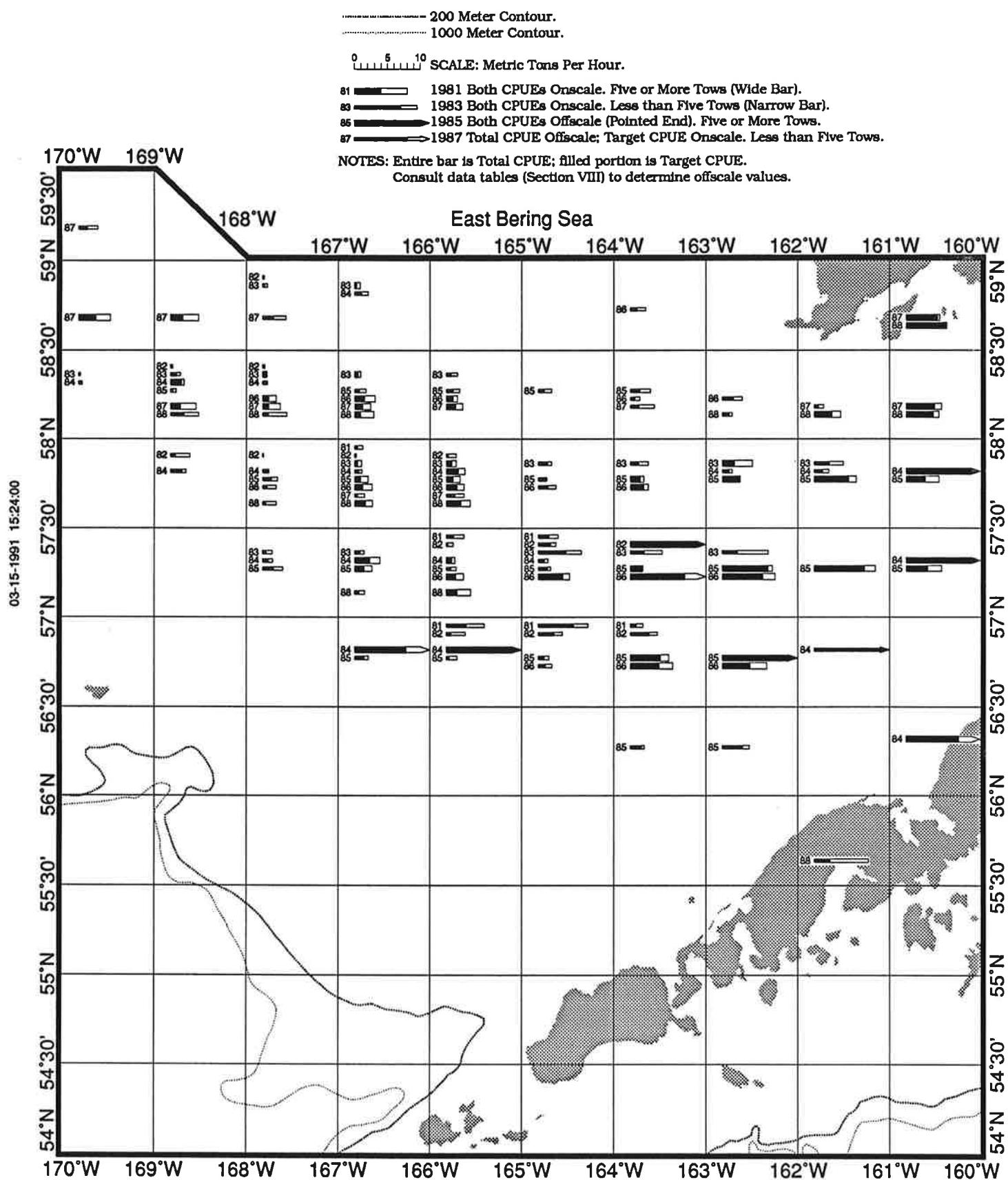
**May
YELLOWFIN SOLE
Catch Per Unit Effort**

Seguam Pass

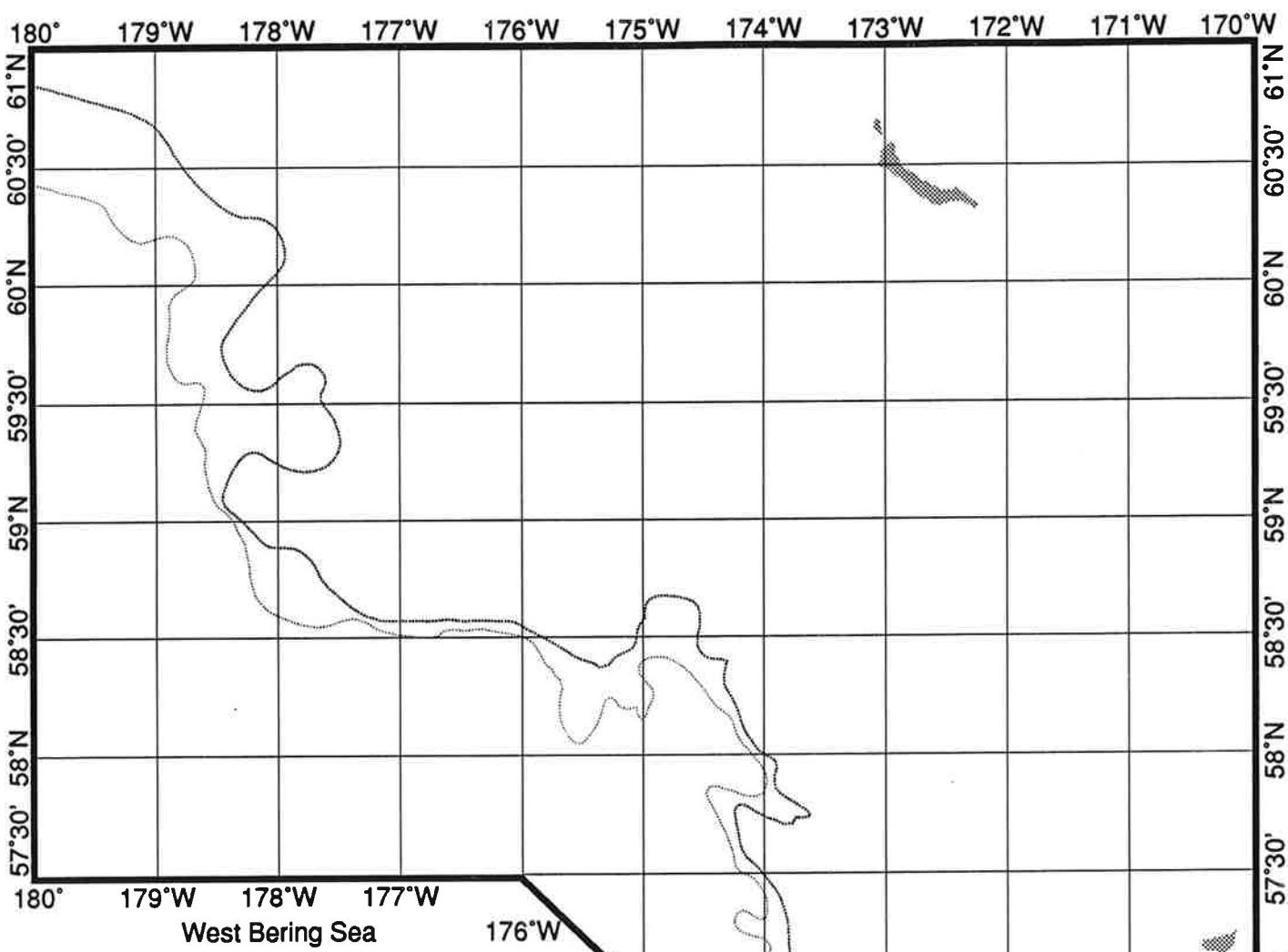
May

YELLOWFIN SOLE

Catch Per Unit Effort

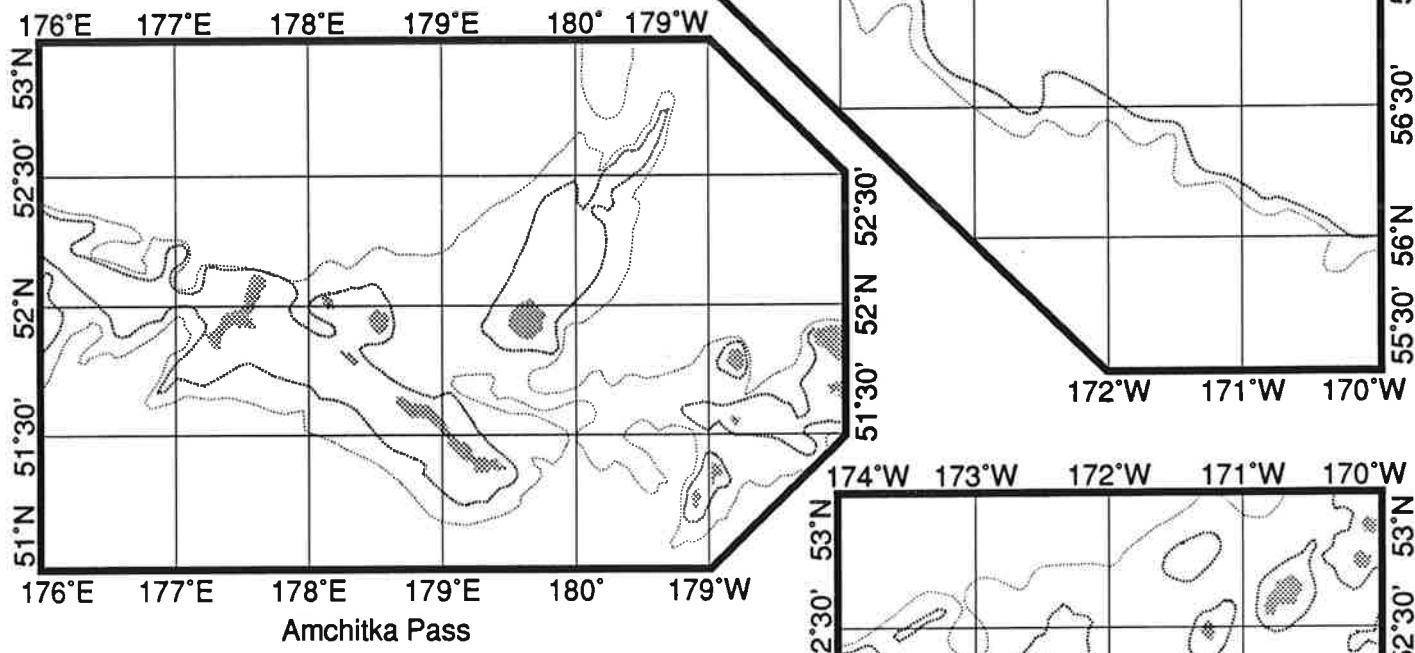


III-12



West Bering Sea

03-16-1991 16:16:37



June
YELLOWFIN SOLE
Catch Per Unit Effort

Seguam Pass

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

June

YELLOWFIN SOLE

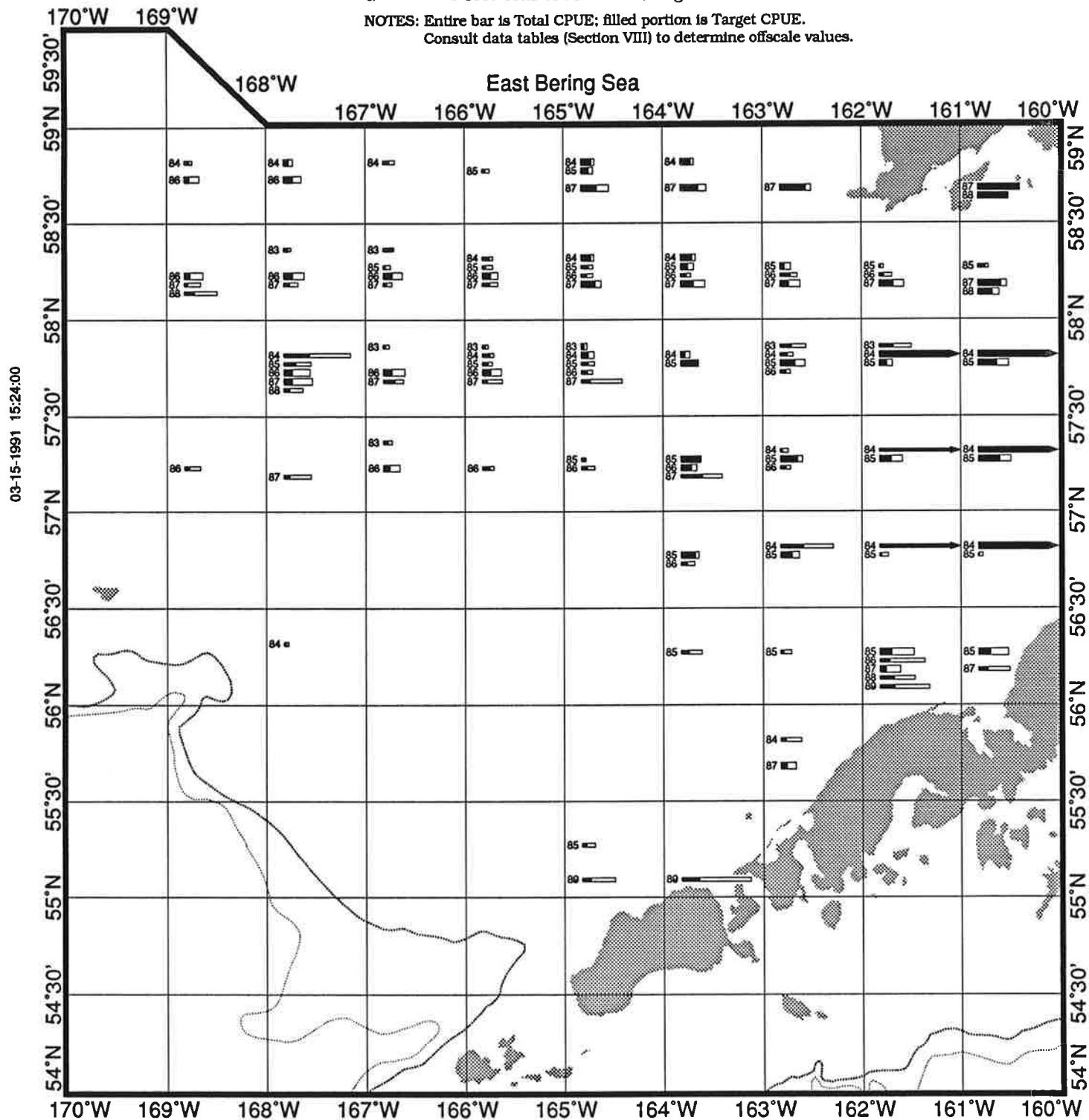
Catch Per Unit Effort

200 Meter Contour.
1000 Meter Contour.

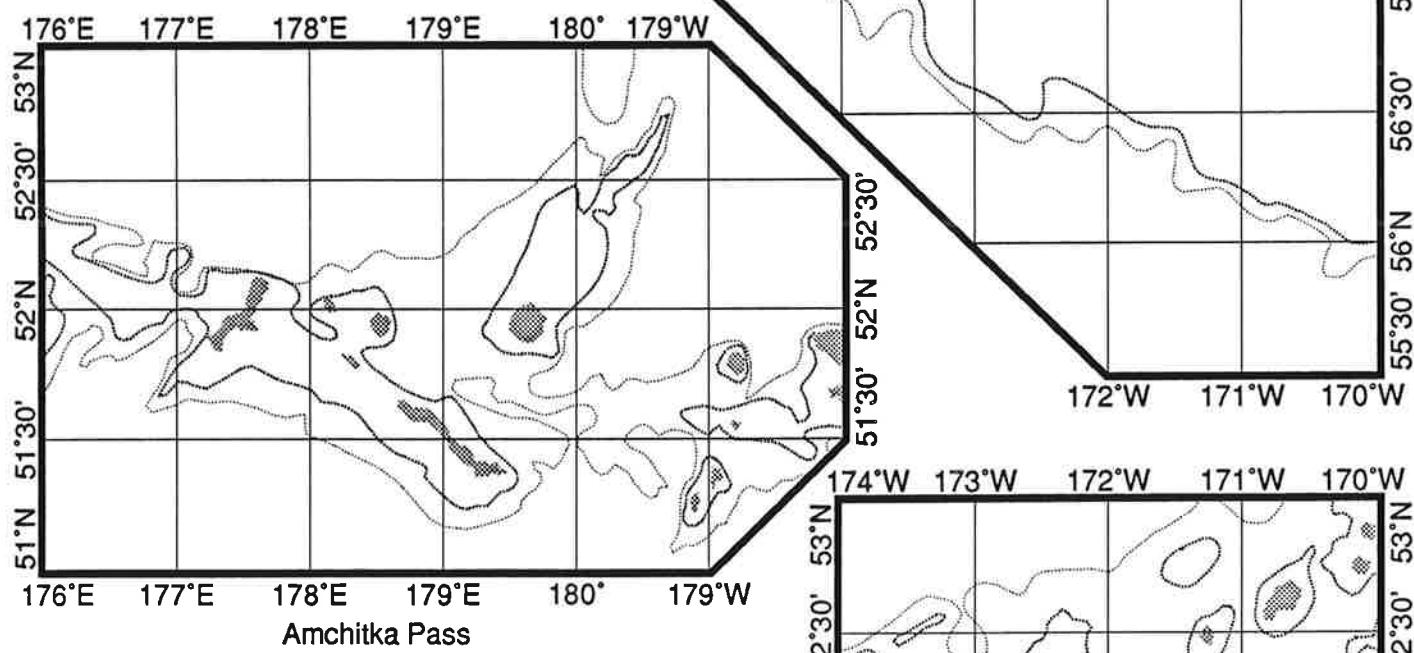
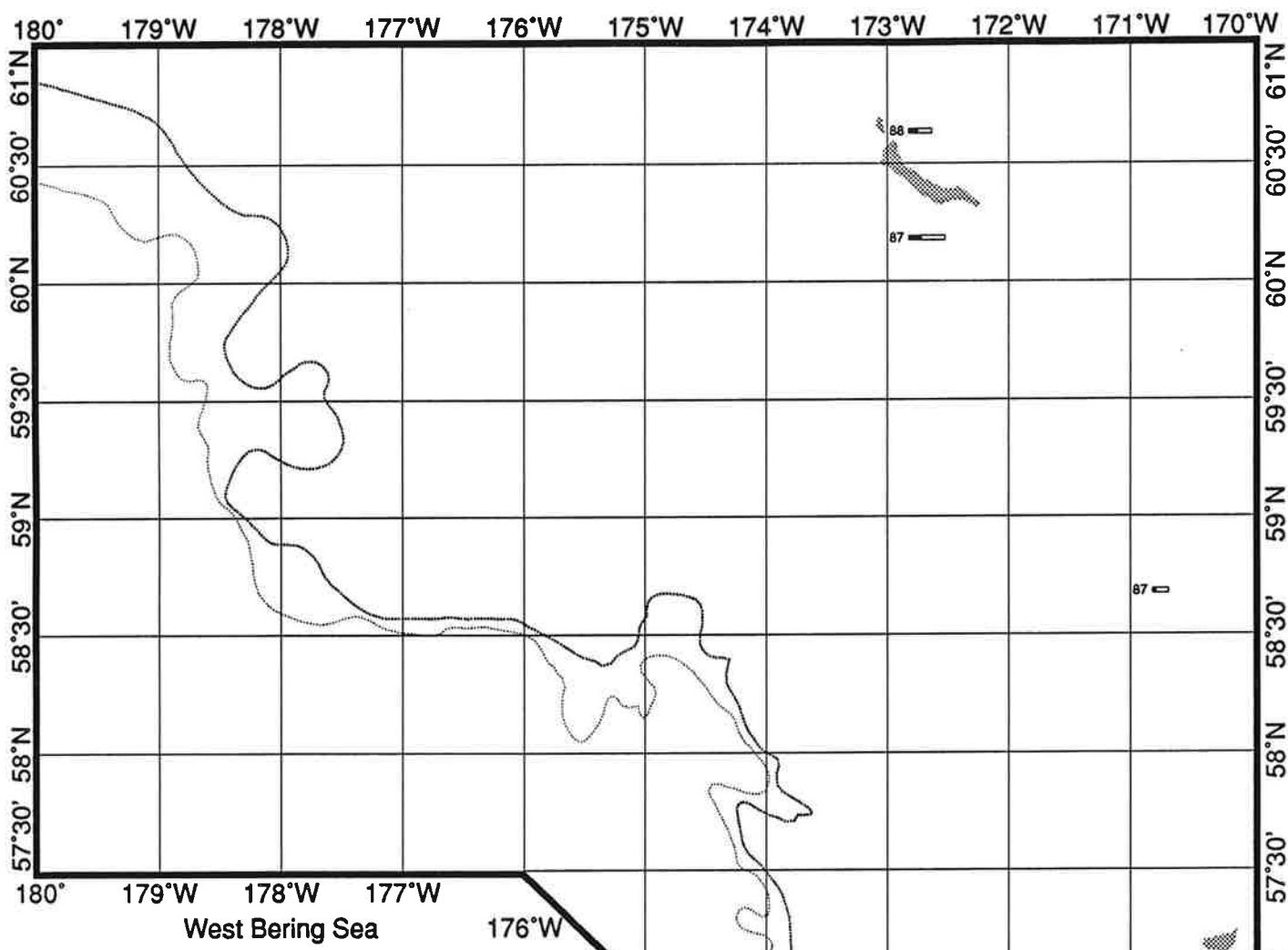
0 5 10 SCALE: Metric Tons Per Hour.

- 81 — 1981 Both CPUEs Onscale. Five or More Tows (Wide Bar).
- 83 — 1983 Both CPUEs Onscale. Less than Five Tows (Narrow Bar).
- 85 — 1985 Both CPUEs Offscale (Pointed End). Five or More Tows.
- 87 — 1987 Total CPUE Offscale; Target CPUE Onscale. Less than Five Tows.

NOTES: Entire bar is Total CPUE; filled portion is Target CPUE.
Consult data tables (Section VIII) to determine offscale values.



III-14



July
YELLOWFIN SOLE
Catch Per Unit Effort

Seguam Pass

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

03-15-1991 15:24:00

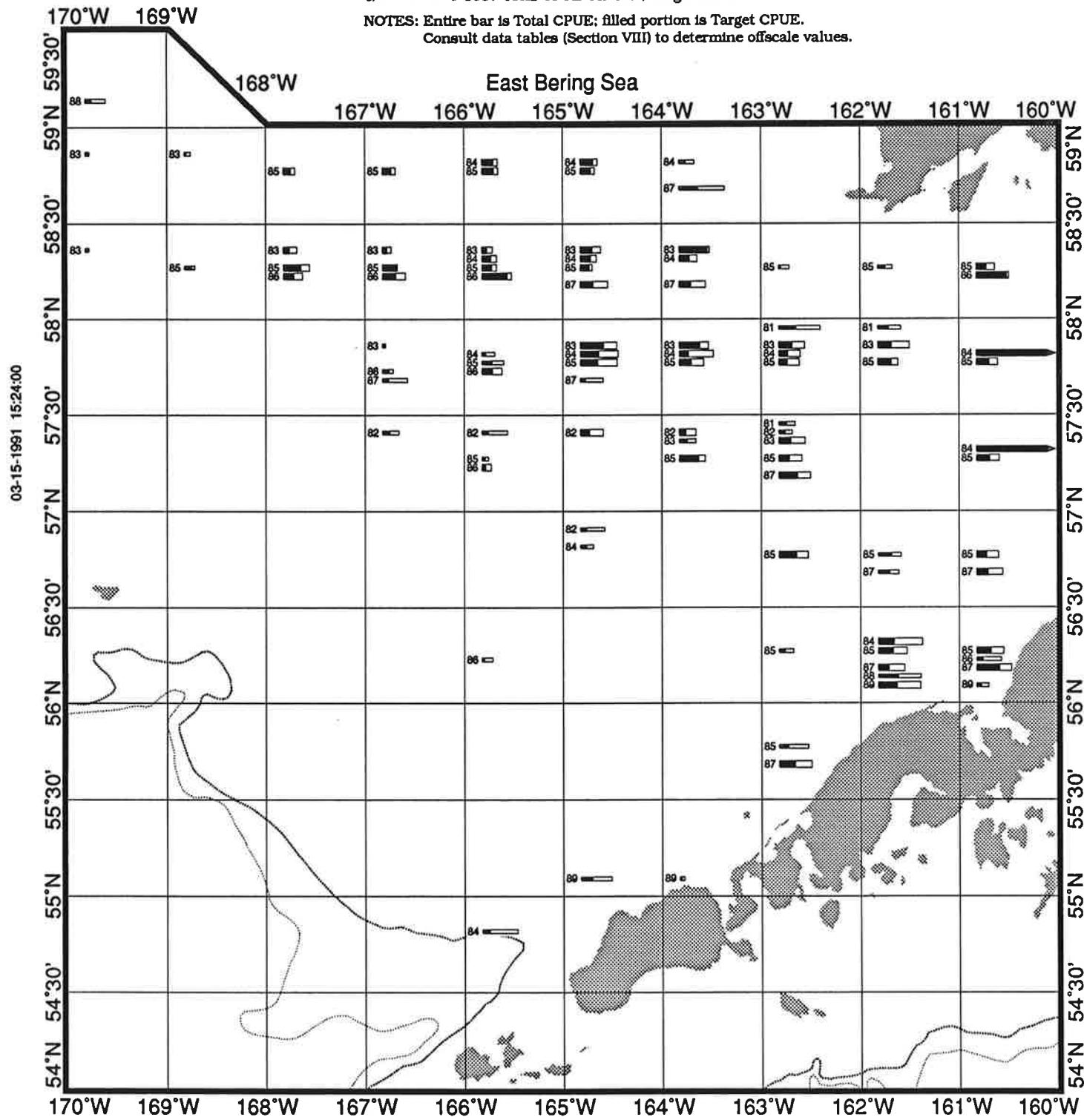
July YELLOWFIN SOLE Catch Per Unit Effort

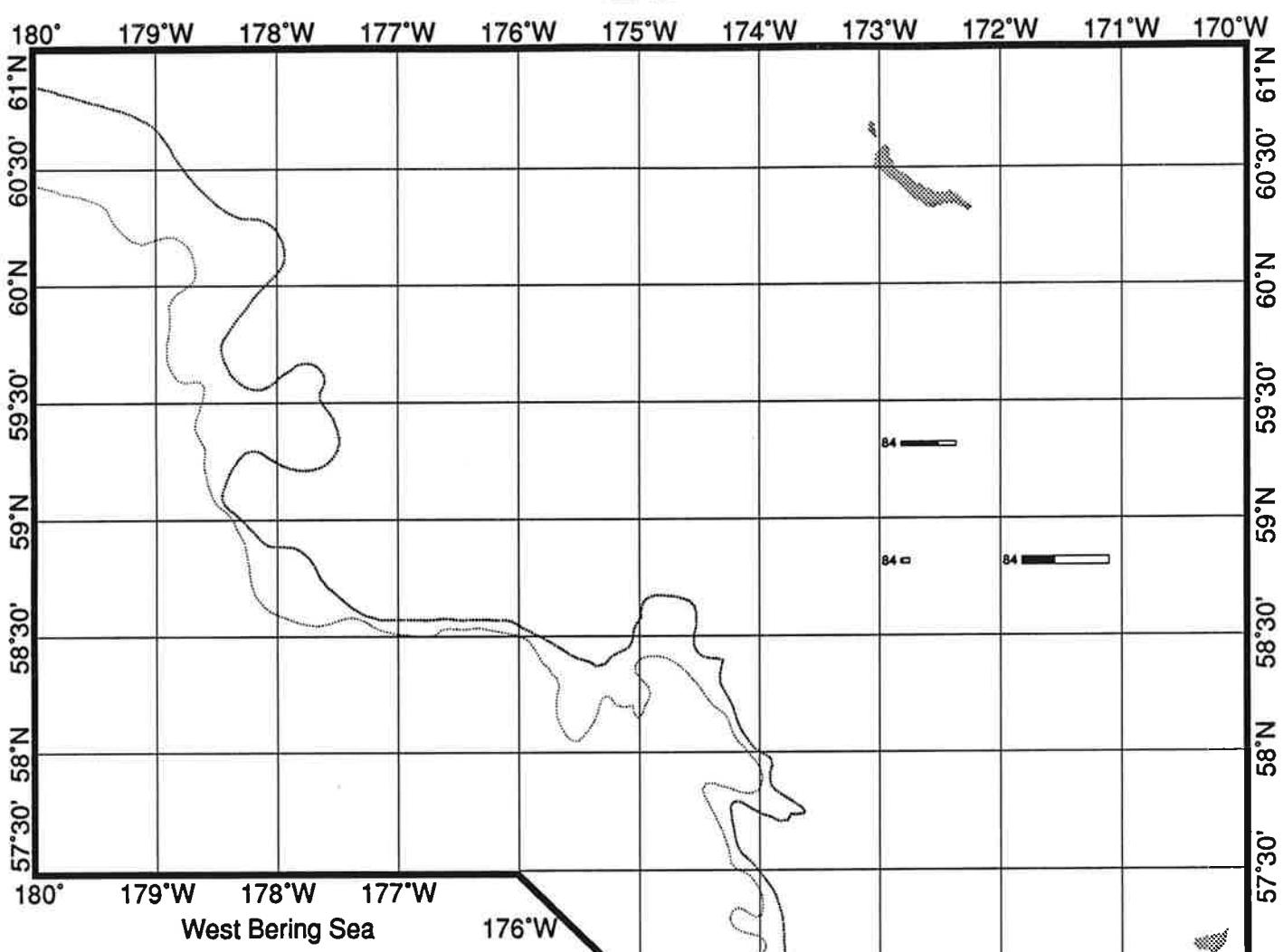
..... 200 Meter Contour.
..... 1000 Meter Contour.

0 5 10 SCALE: Metric Tons Per Hour.

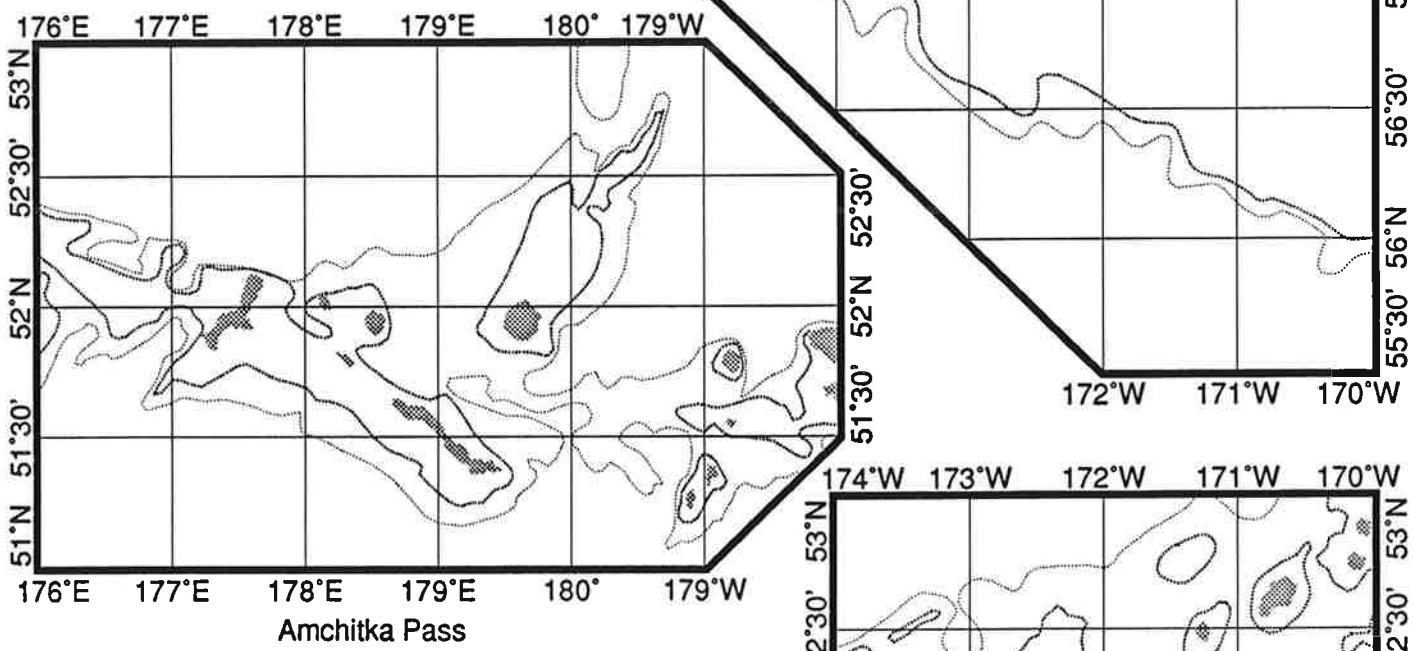
81 ——— 1981 Both CPUEs Onscale. Five or More Tows (Wide Bar).
83 ——— 1983 Both CPUEs Onscale. Less than Five Tows (Narrow Bar).
85 ——— 1985 Both CPUEs Offscale (Pointed End). Five or More Tows.
87 —→ 1987 Total CPUE Offscale; Target CPUE Onscale. Less than Five Tows.

NOTES: Entire bar is Total CPUE; filled portion is Target CPUE.
Consult data tables (Section VIII) to determine offscale values.





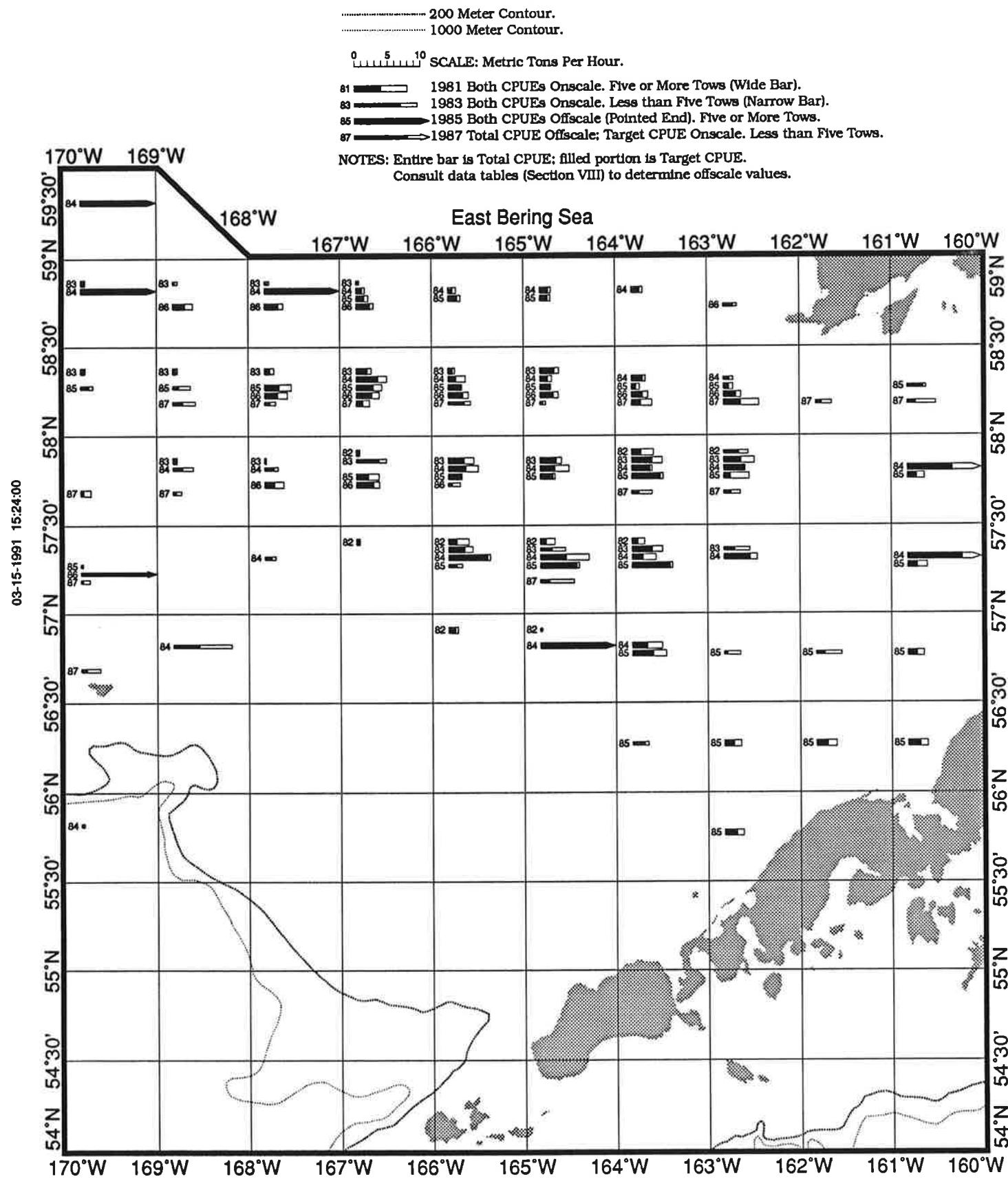
03-15-1991 15:24:00



August
YELLOWFIN SOLE
Catch Per Unit Effort

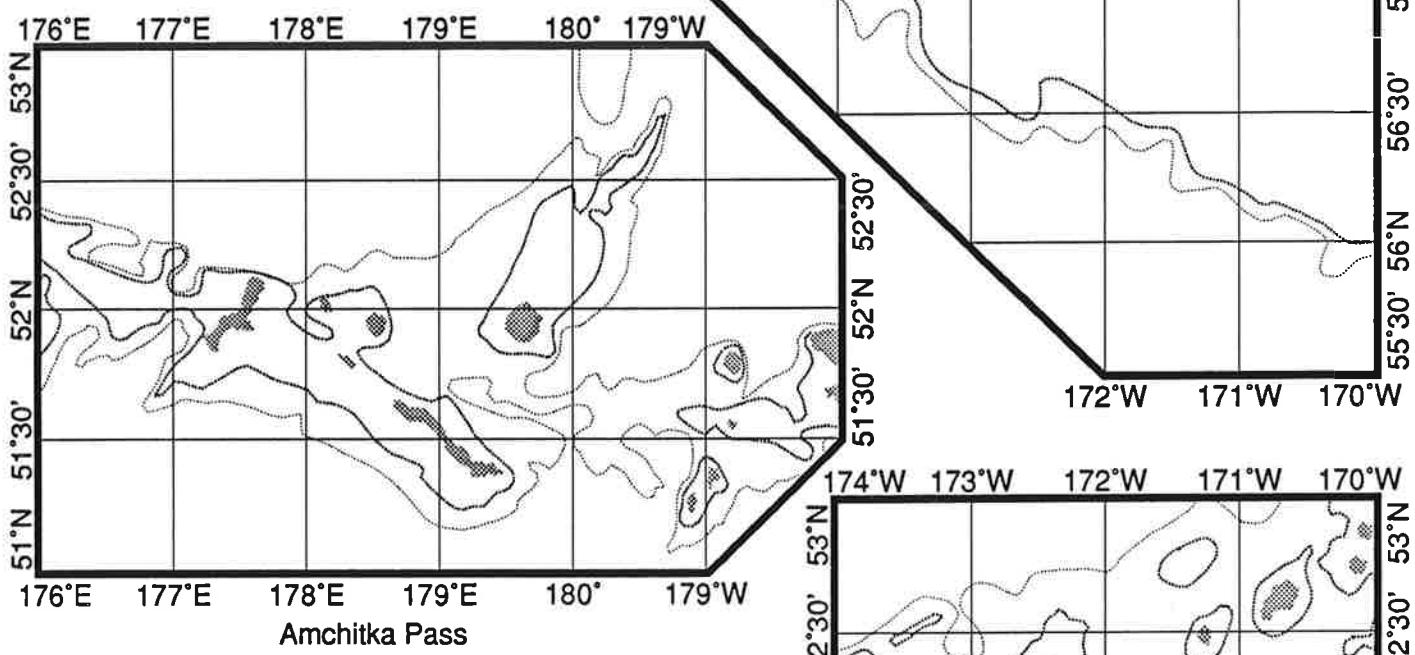
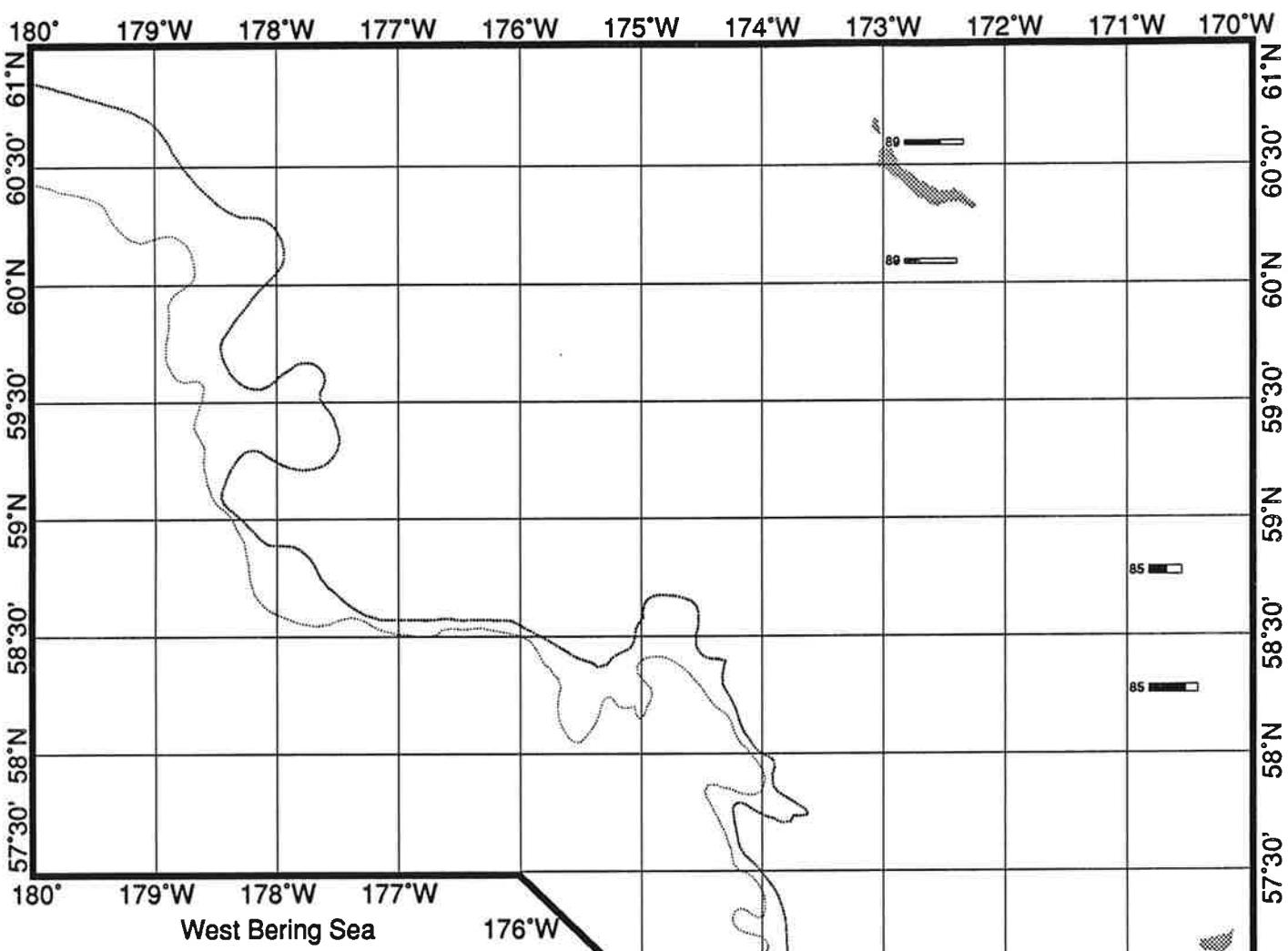
Seguam Pass

August
YELLOWFIN SOLE
Catch Per Unit Effort



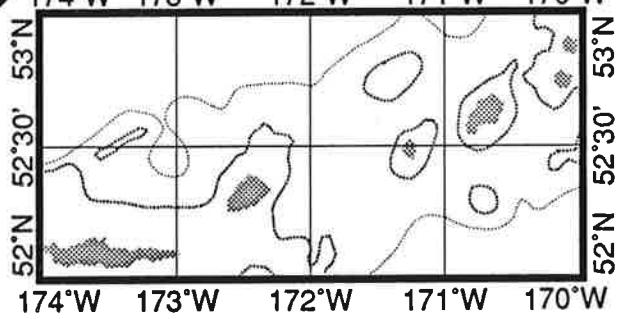
IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

III-18



September
YELLOWFIN SOLE
Catch Per Unit Effort

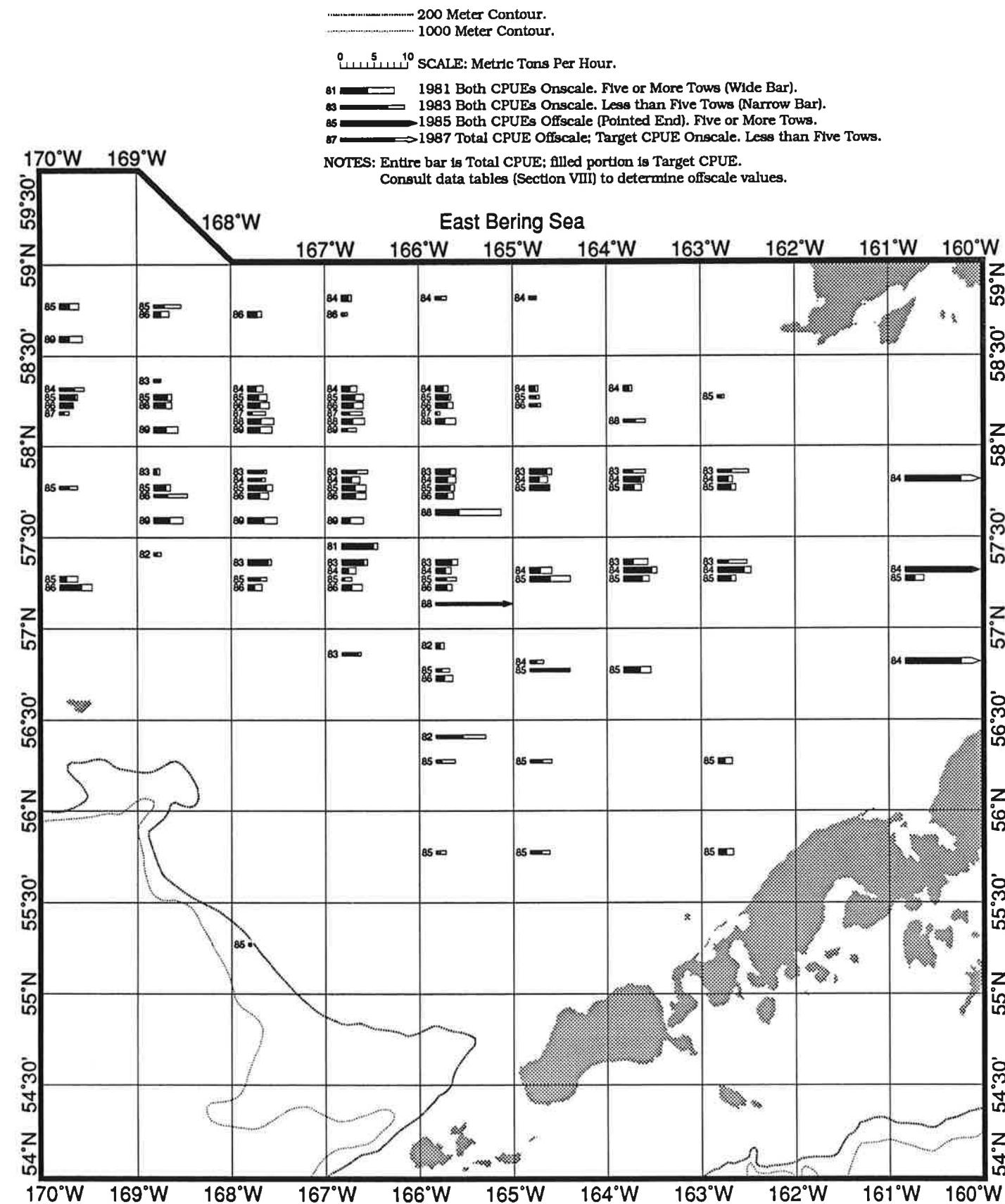
Seguam Pass



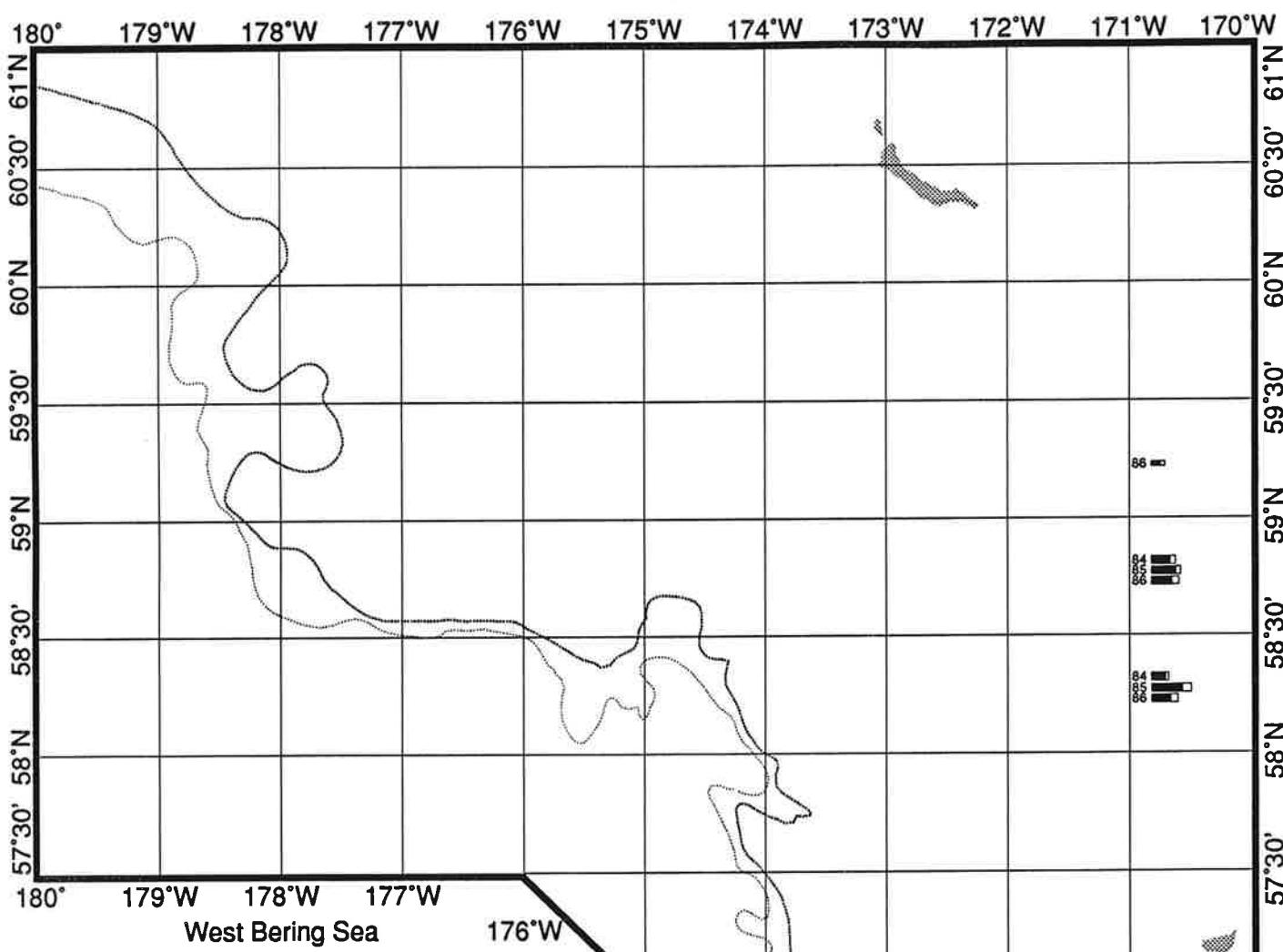
IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

03-15-1991 15:24:00

September YELLOWFIN SOLE Catch Per Unit Effort

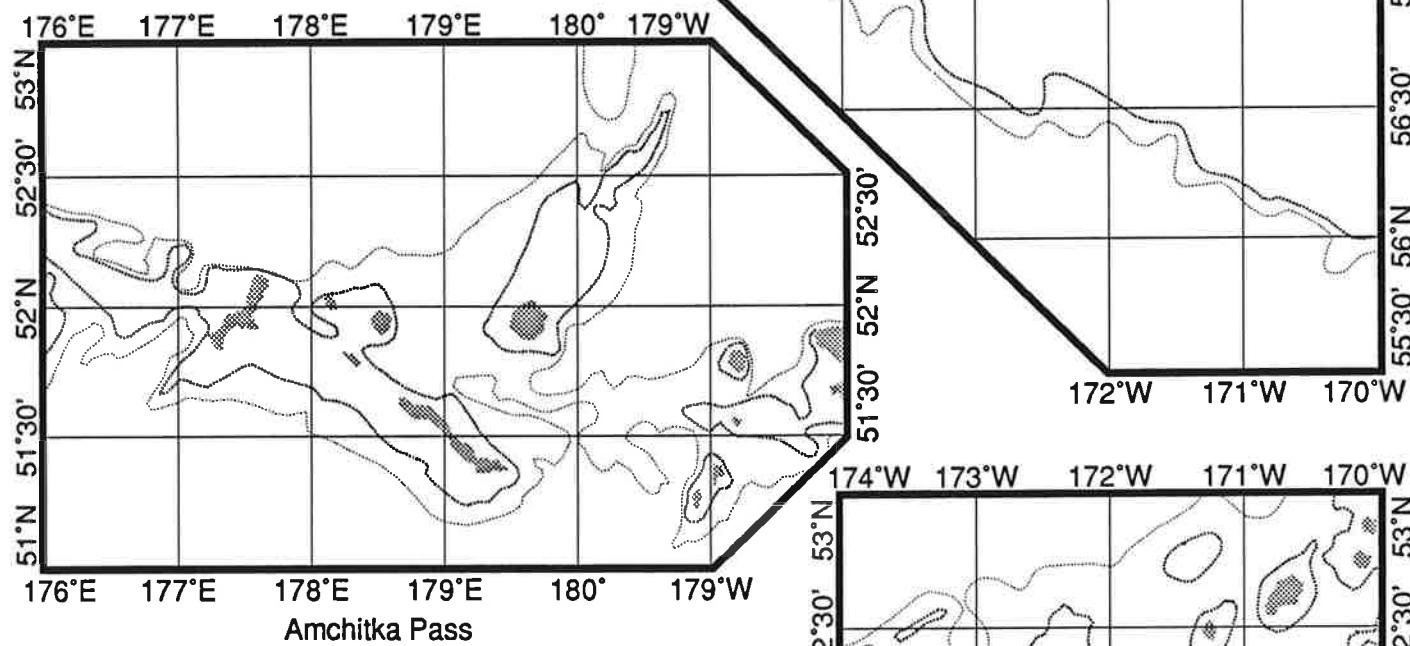


IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.



West Bering Sea

176°W



Amchitka Pass

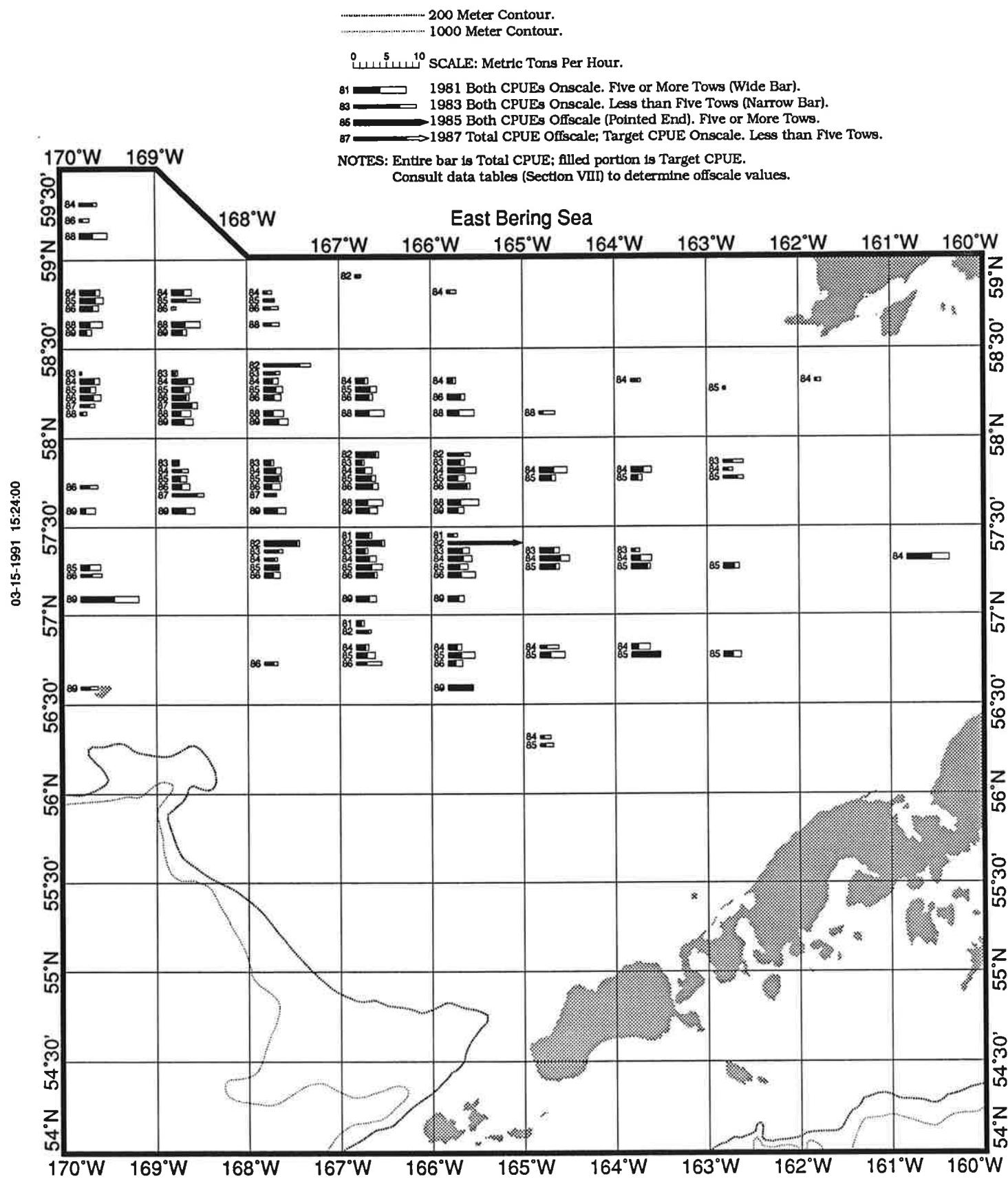
Seguam Pass

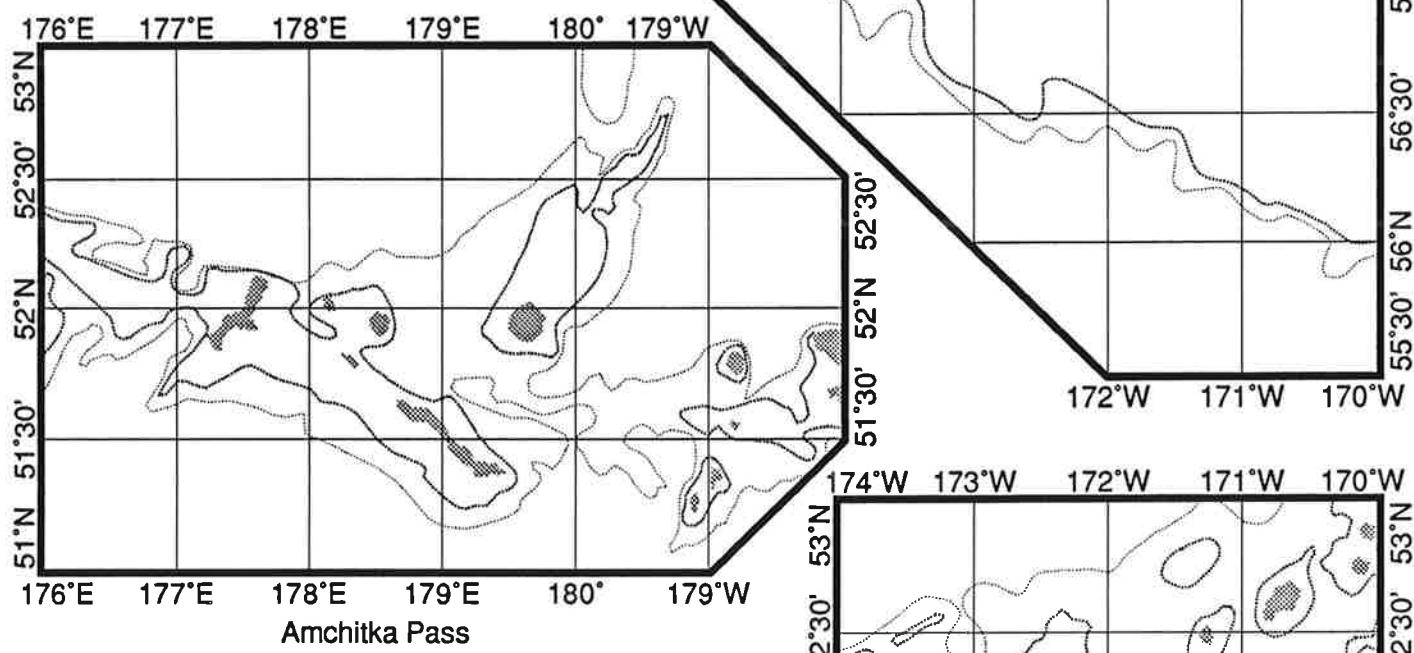
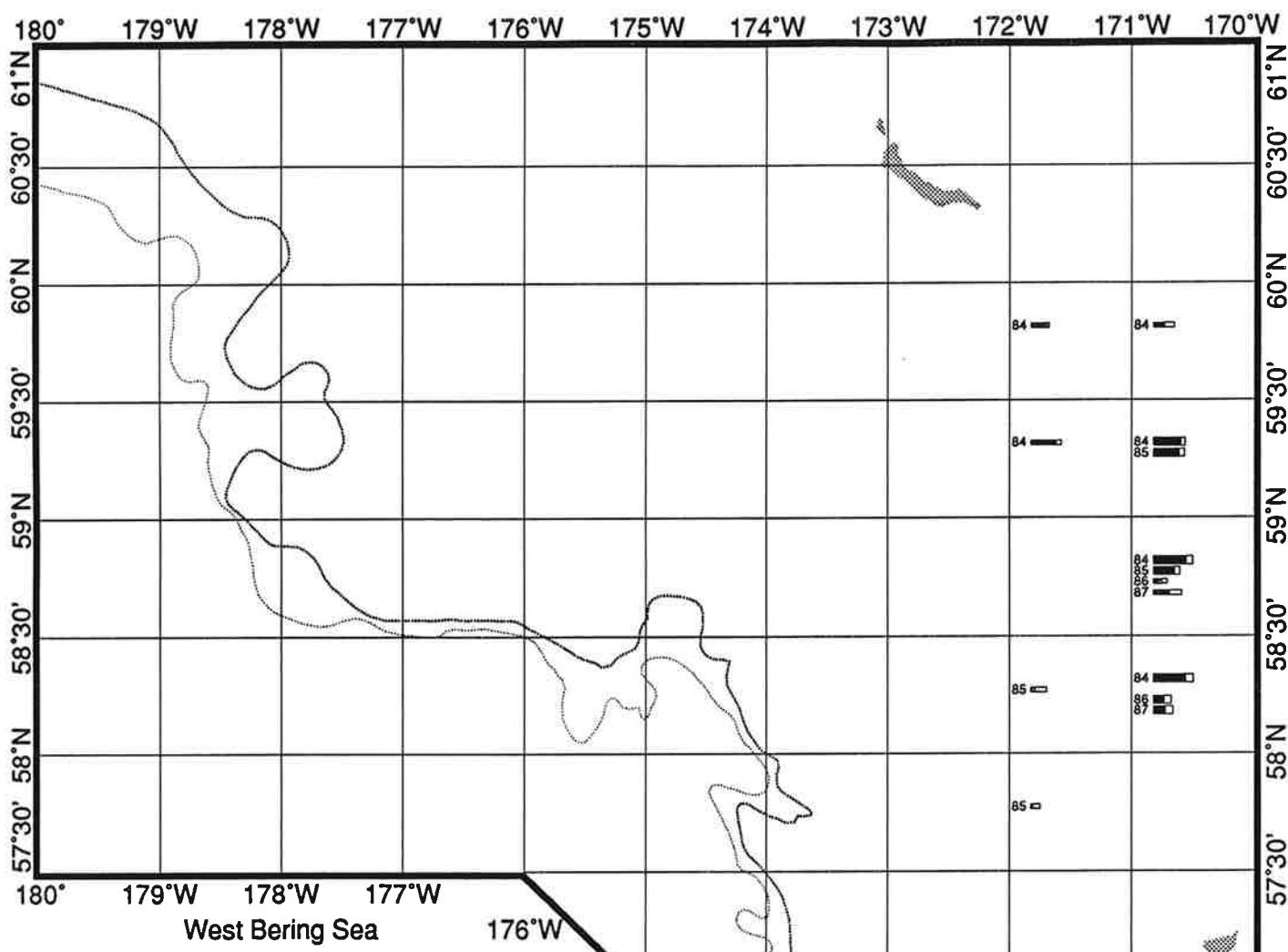
October
YELLOWFIN SOLE
Catch Per Unit Effort

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

03-15-1991 15:24:00

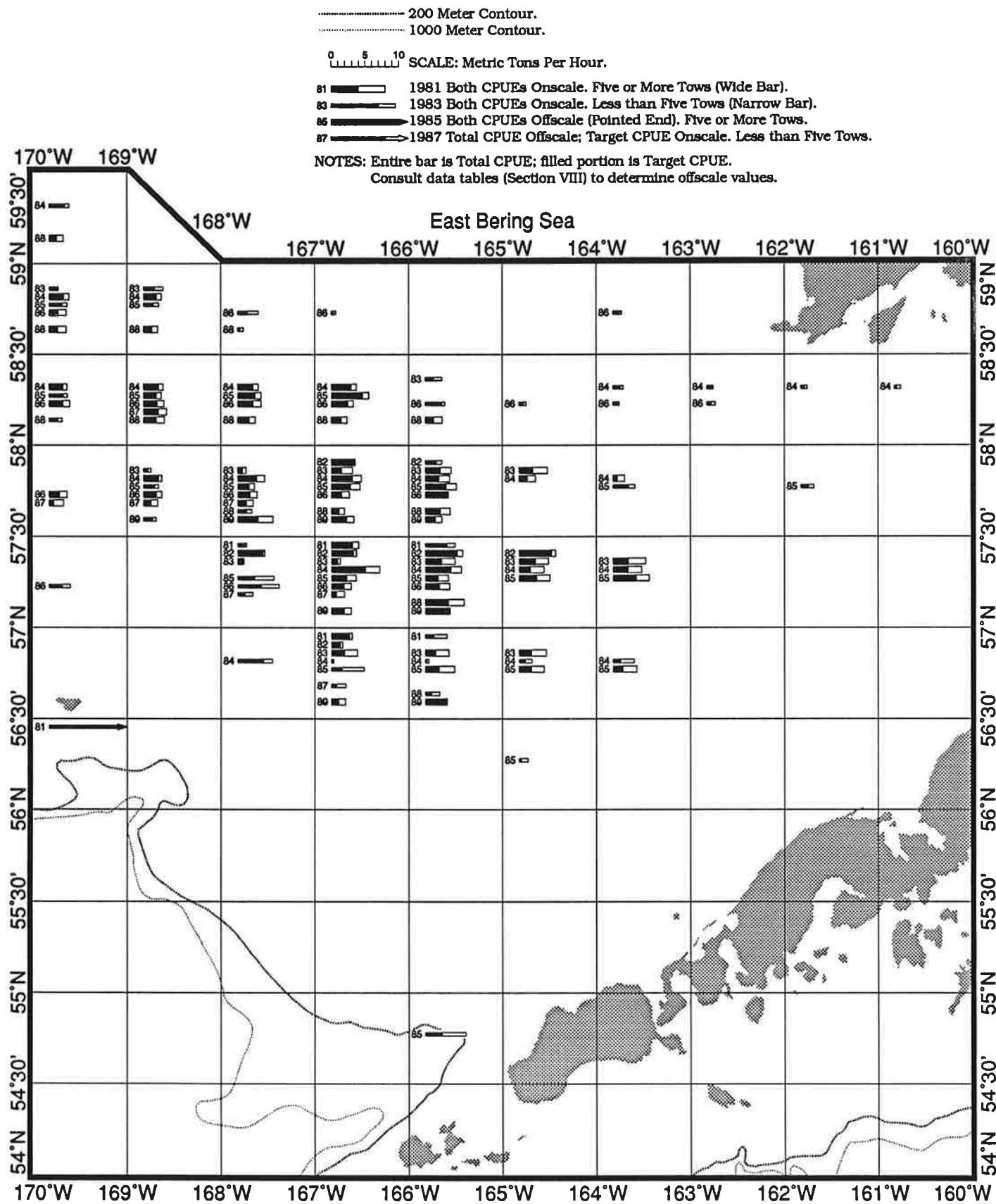
October YELLOWFIN SOLE Catch Per Unit Effort



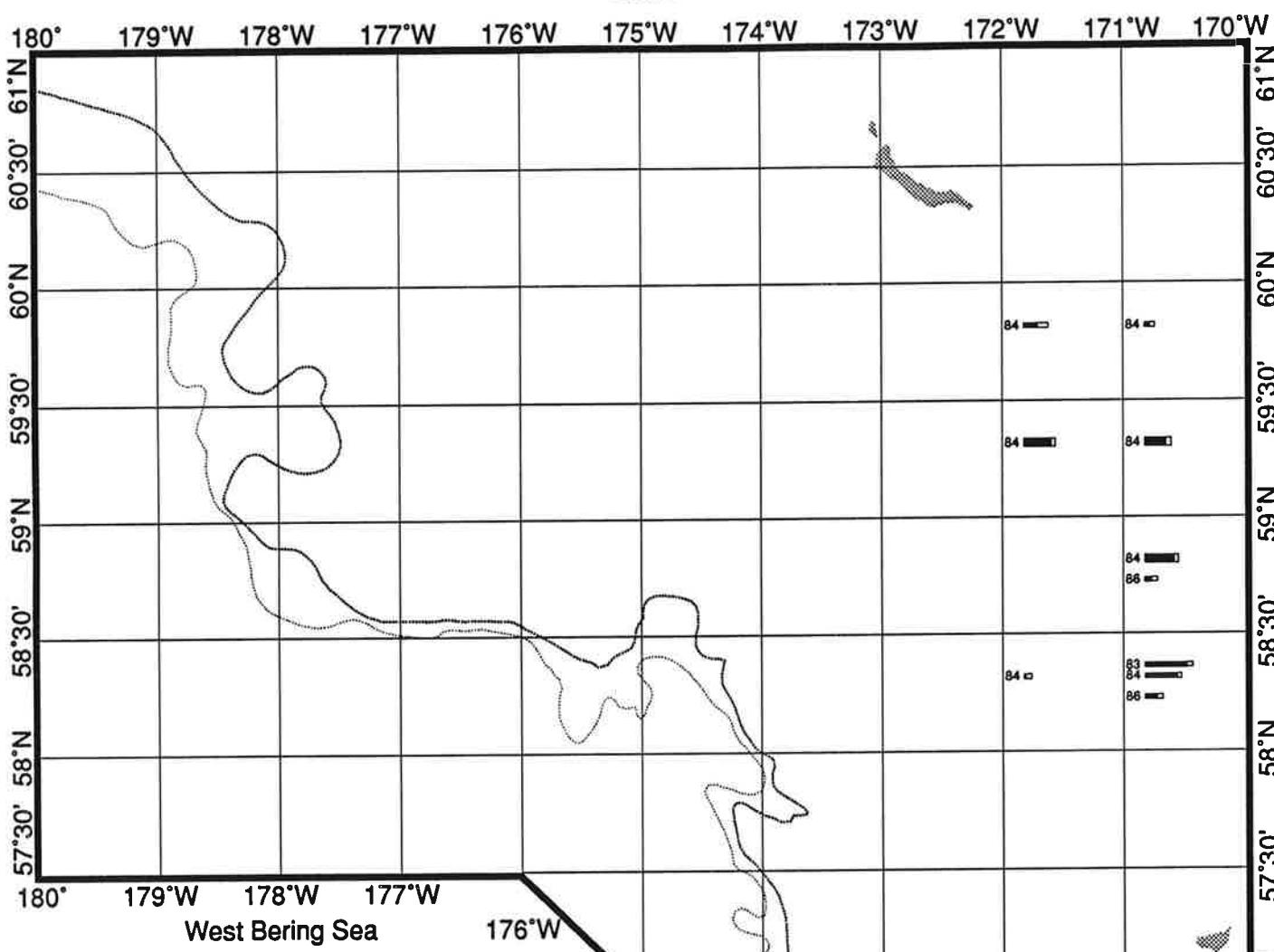


November
YELLOWFIN SOLE
Catch Per Unit Effort

**November
YELLOWFIN SOLE
Catch Per Unit Effort**



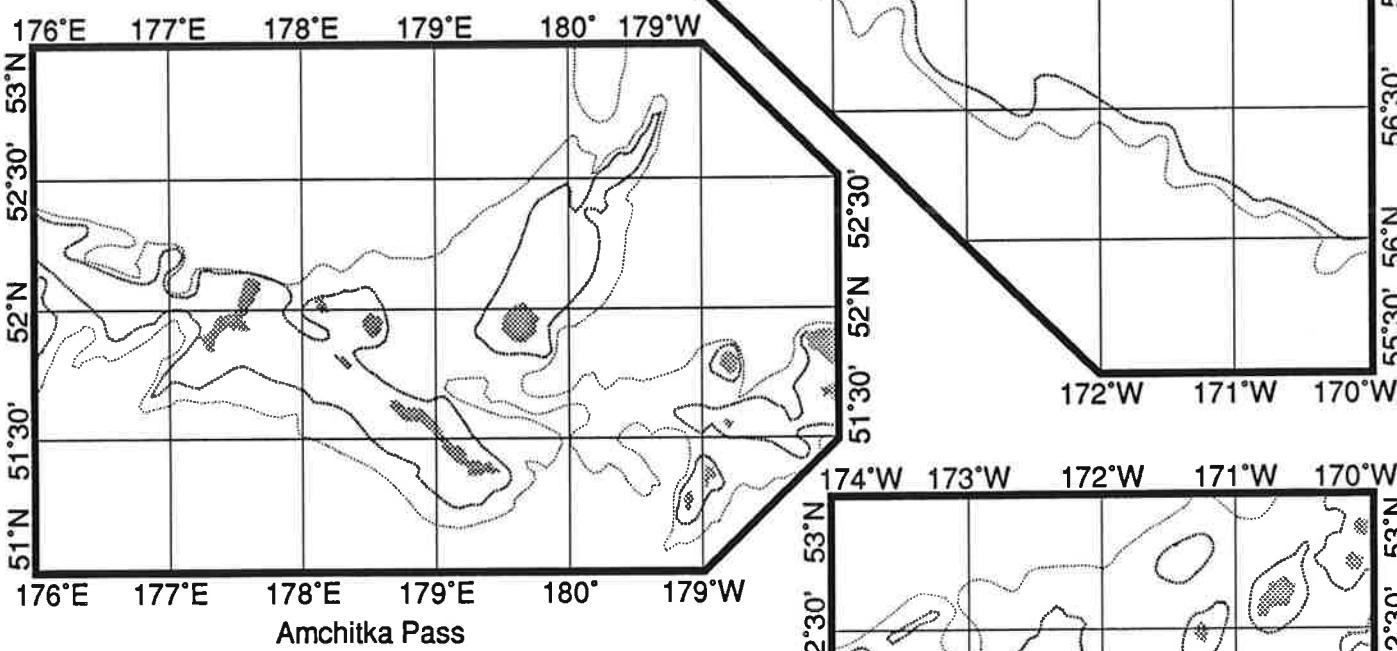
IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.



West Bering Sea

176°W

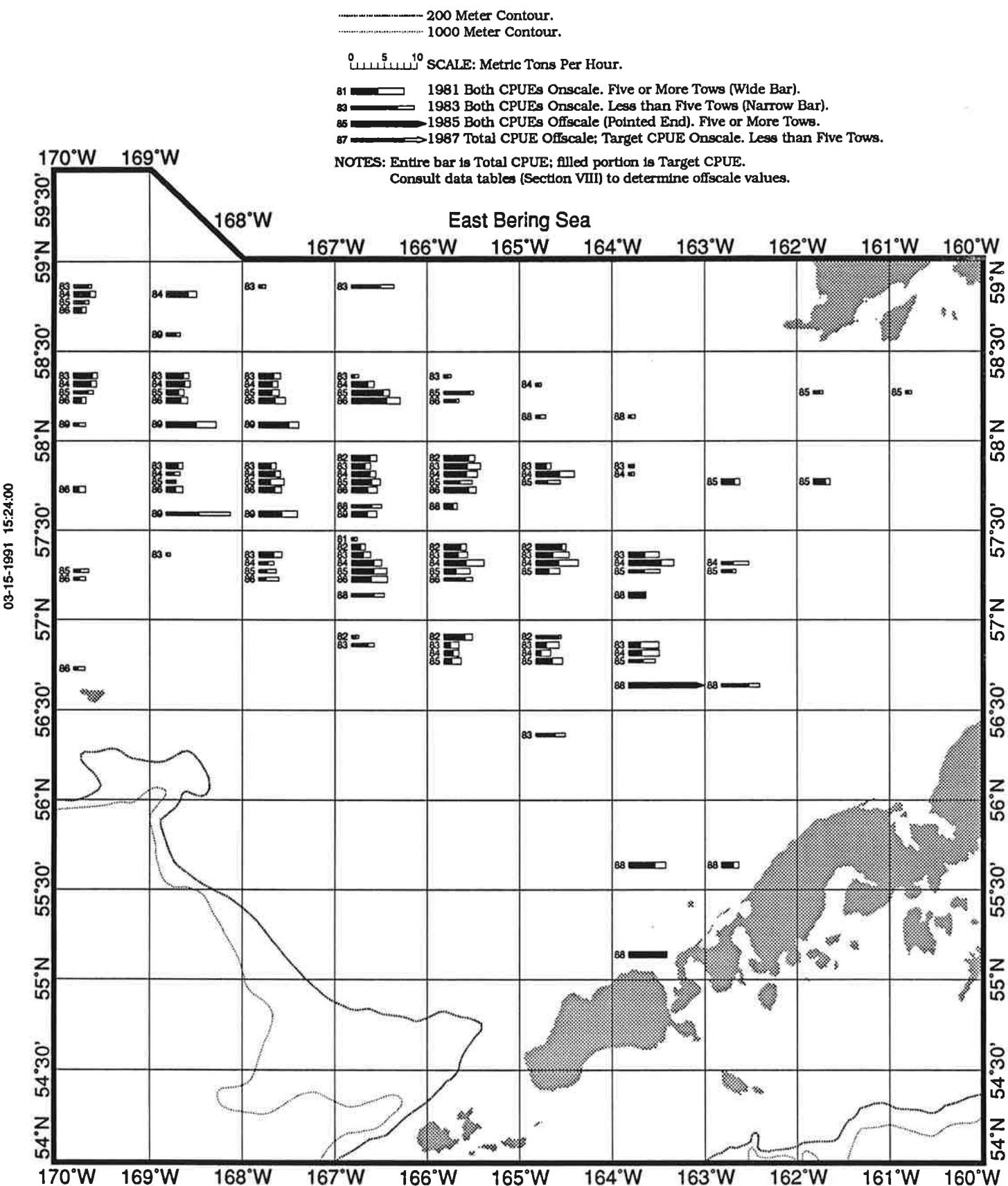
03-15-1991 15:24:00



December
YELLOWFIN SOLE
Catch Per Unit Effort

Seguam Pass

December
YELLOWFIN SOLE
Catch Per Unit Effort

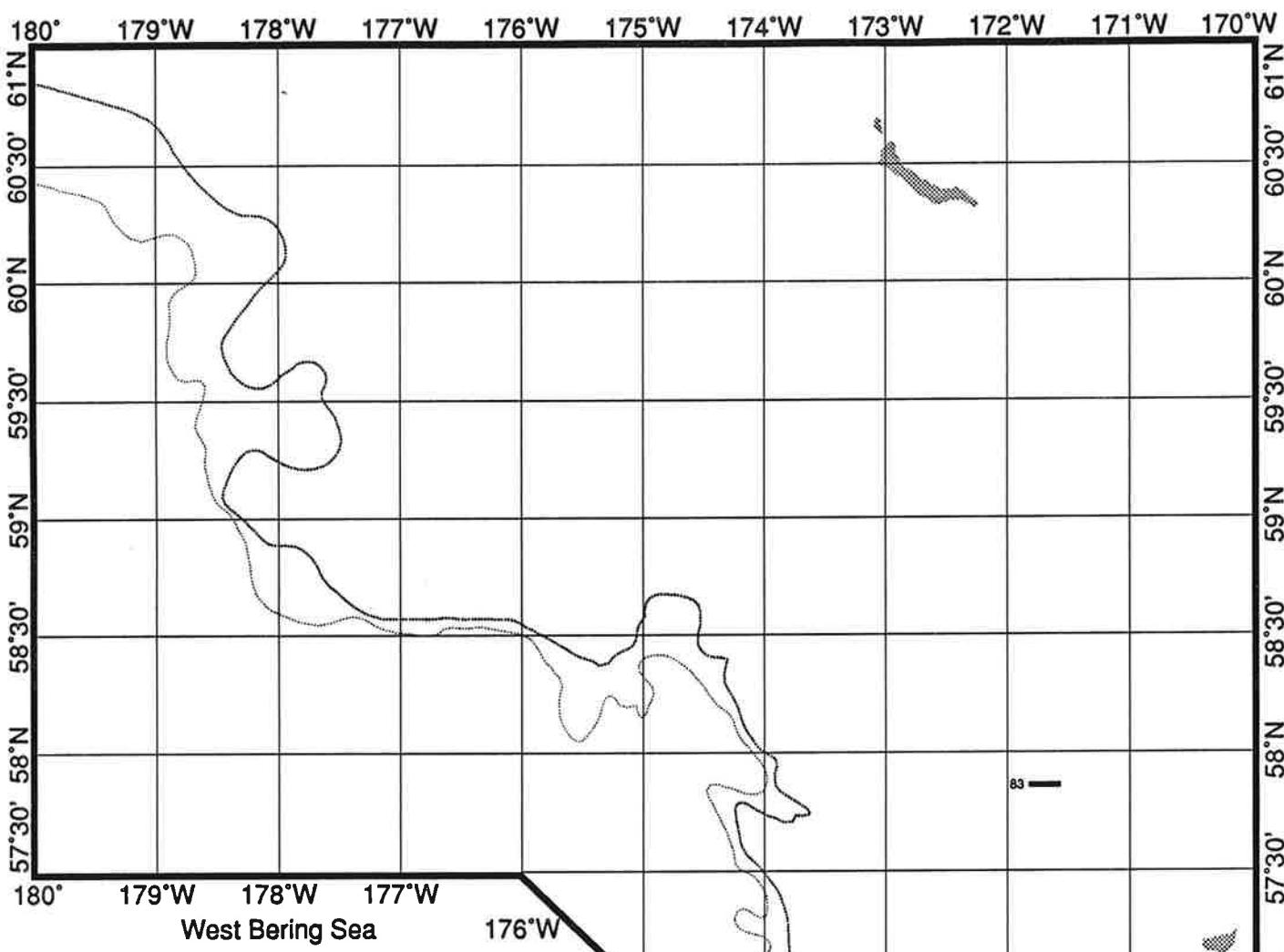


IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

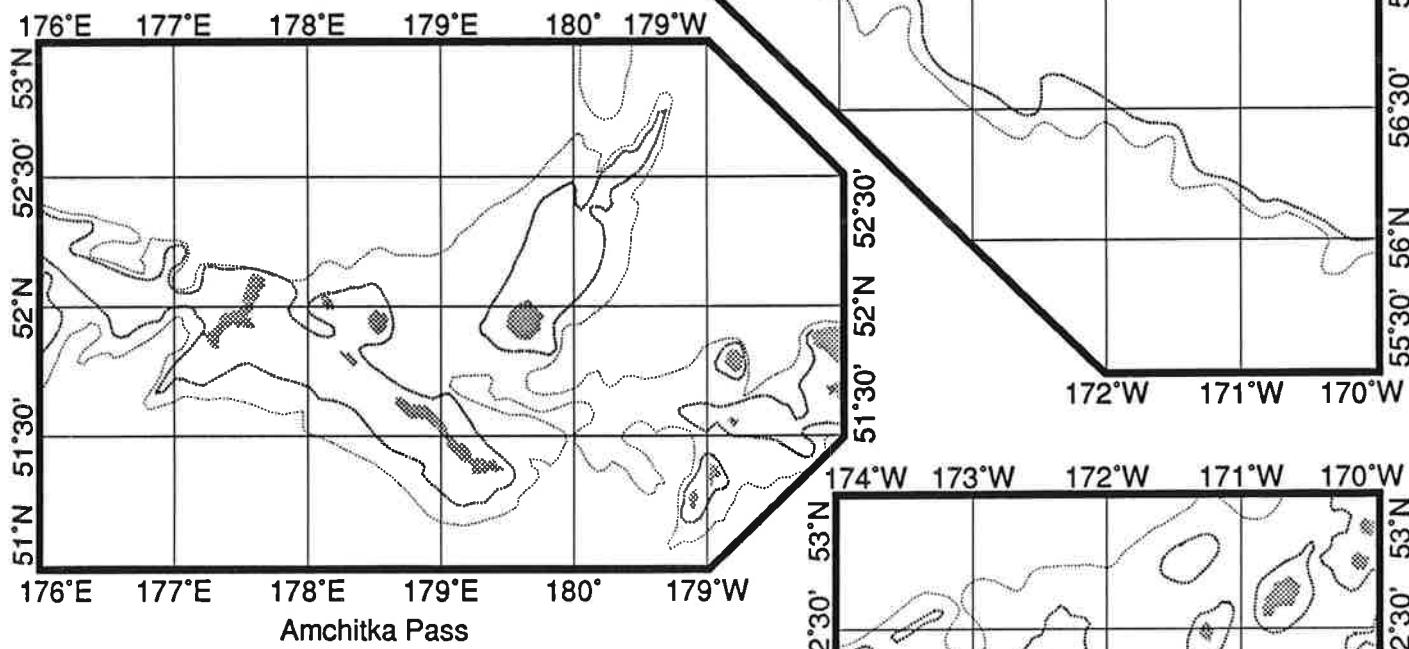
SECTION IV

HALIBUT BYCATCH RATE CHARTS

IV-2



03-15-1991 15:40:12



January
YELLOWFIN SOLE
Halibut Bycatch Rate

Seguam Pass

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

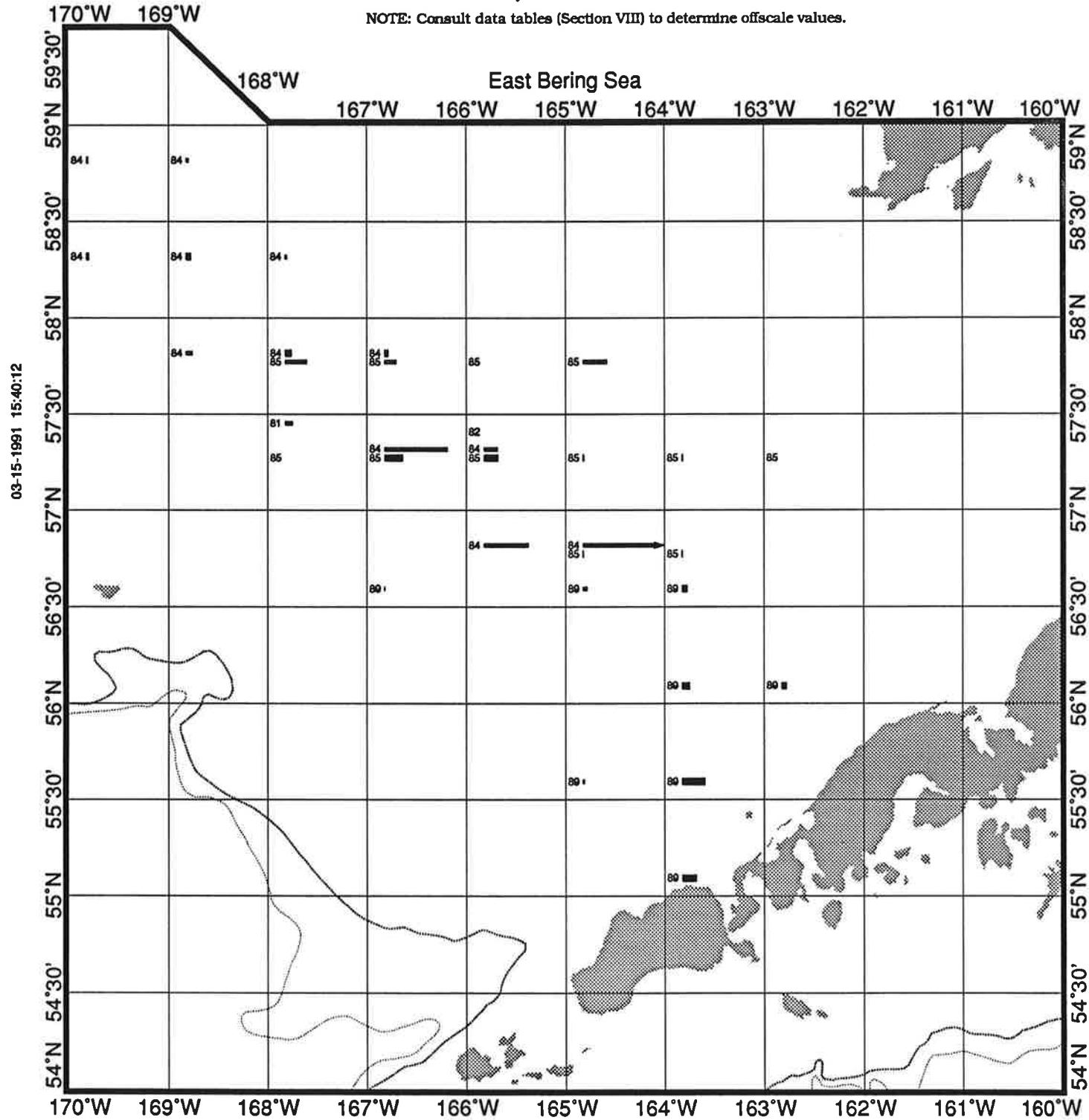
January
YELLOWFIN SOLE
Halibut Bycatch Rate

— 200 Meter Contour.
 1000 Meter Contour.

0 1 2 SCALE: Percentage by Weight.

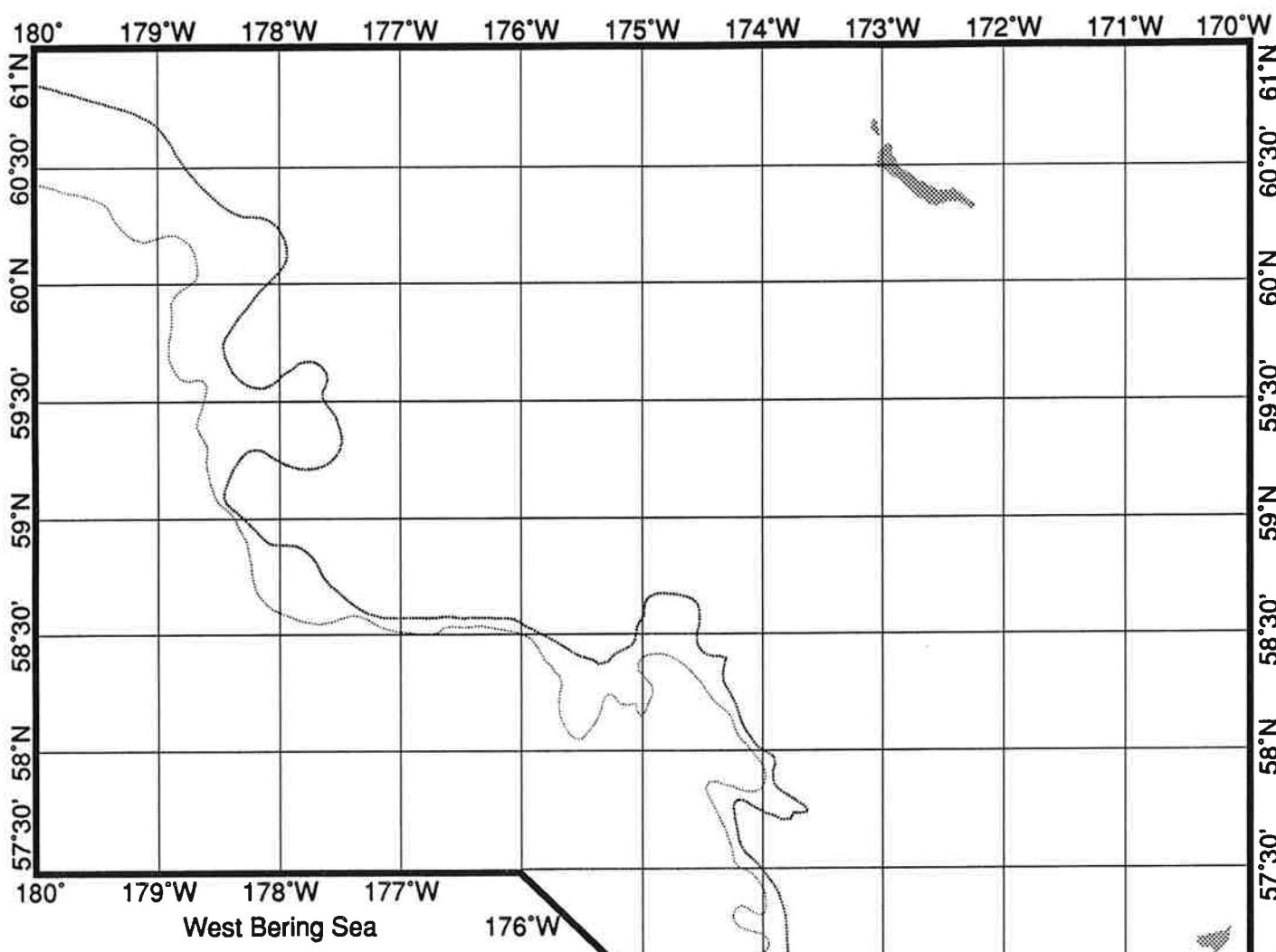
- 81 — 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
- 83 — 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
- 85 — 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
- 87 — 1987 Bycatch Rate Zero.

NOTE: Consult data tables (Section VIII) to determine offscale values.

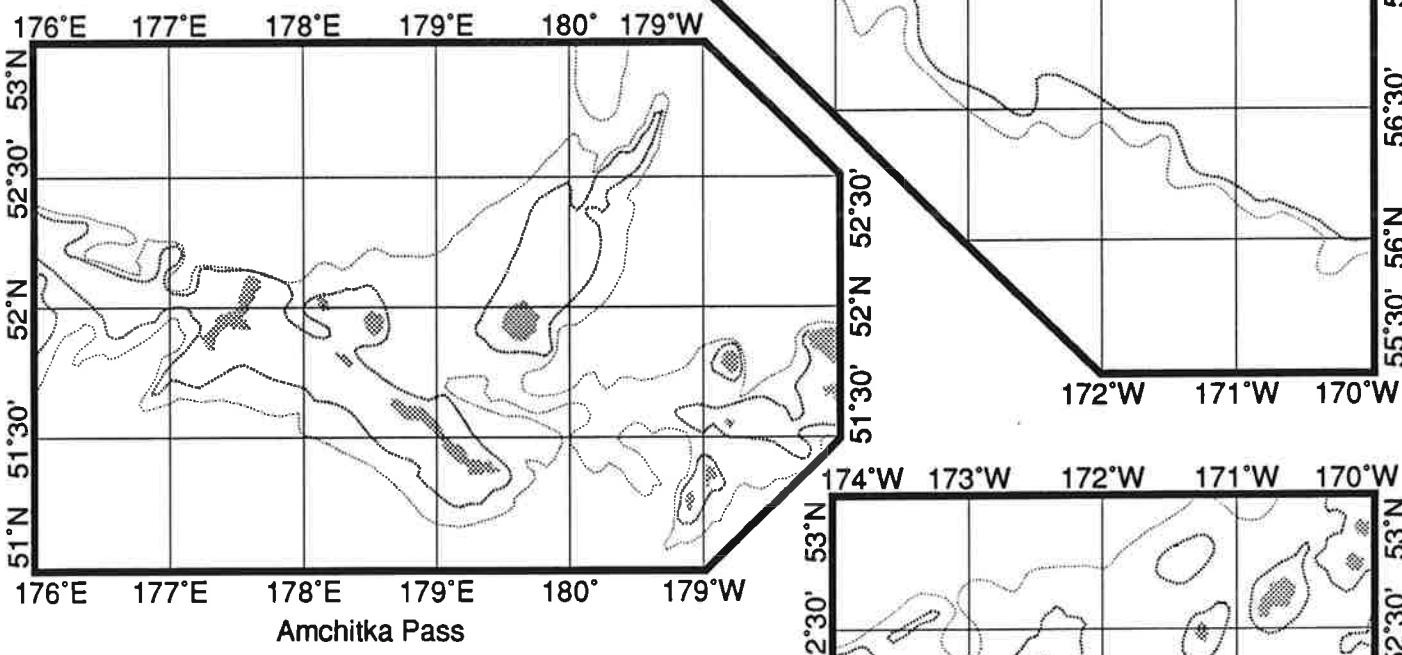


IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

IV-4



03-16-1991 16:14:15

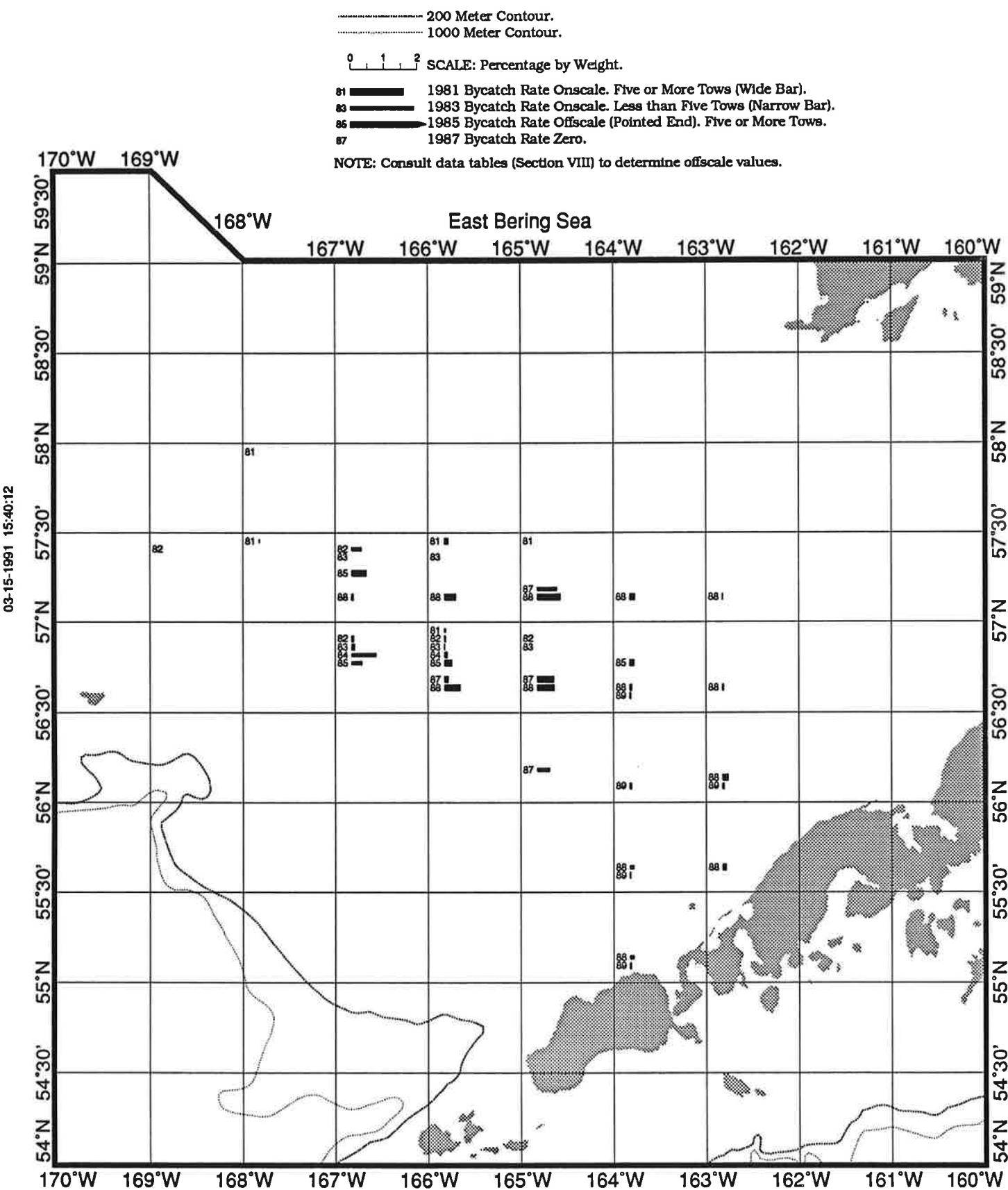


February
YELLOWFIN SOLE
Halibut Bycatch Rate

Seguam Pass

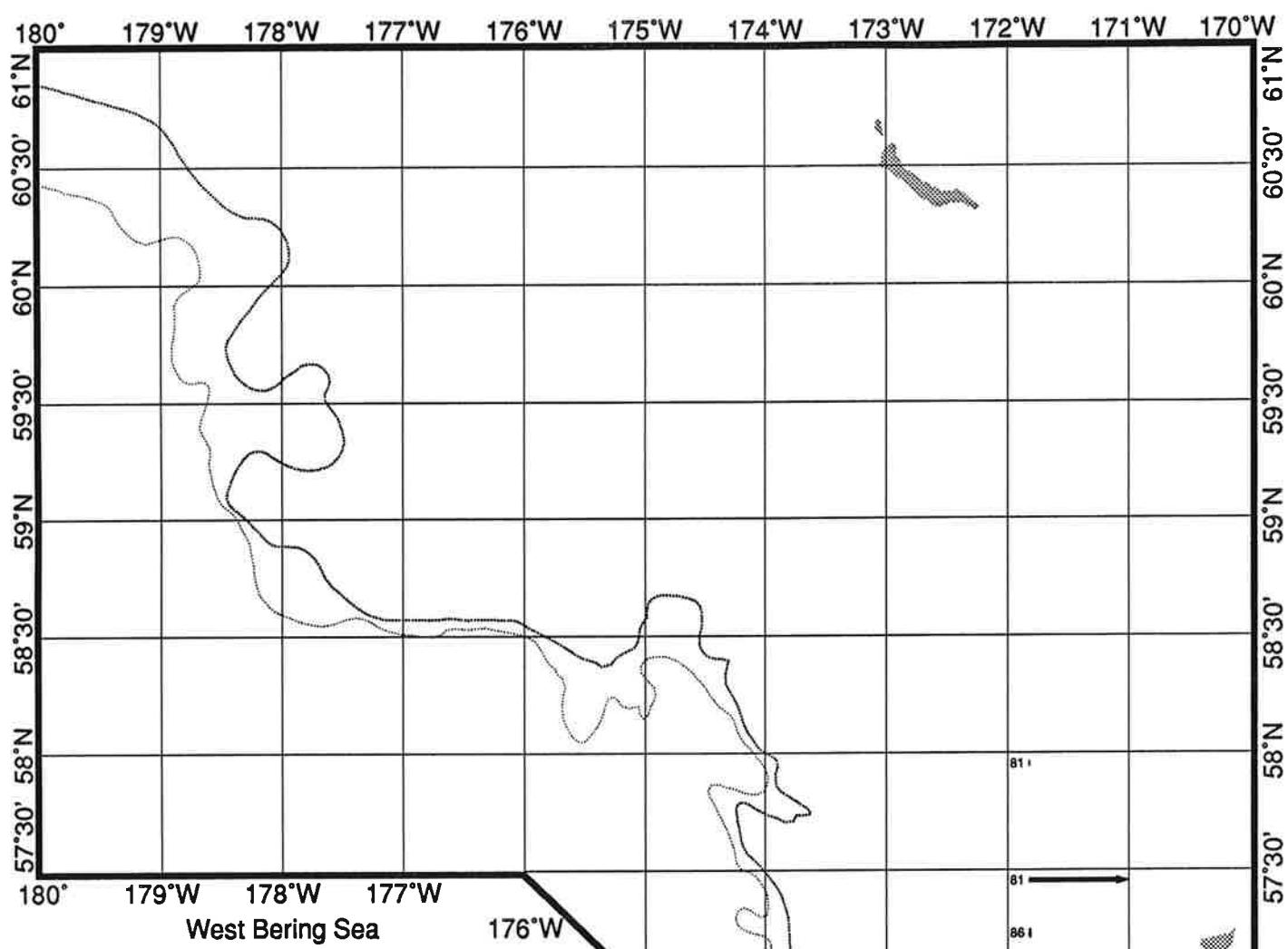
IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

February
YELLOWFIN SOLE
Halibut Bycatch Rate

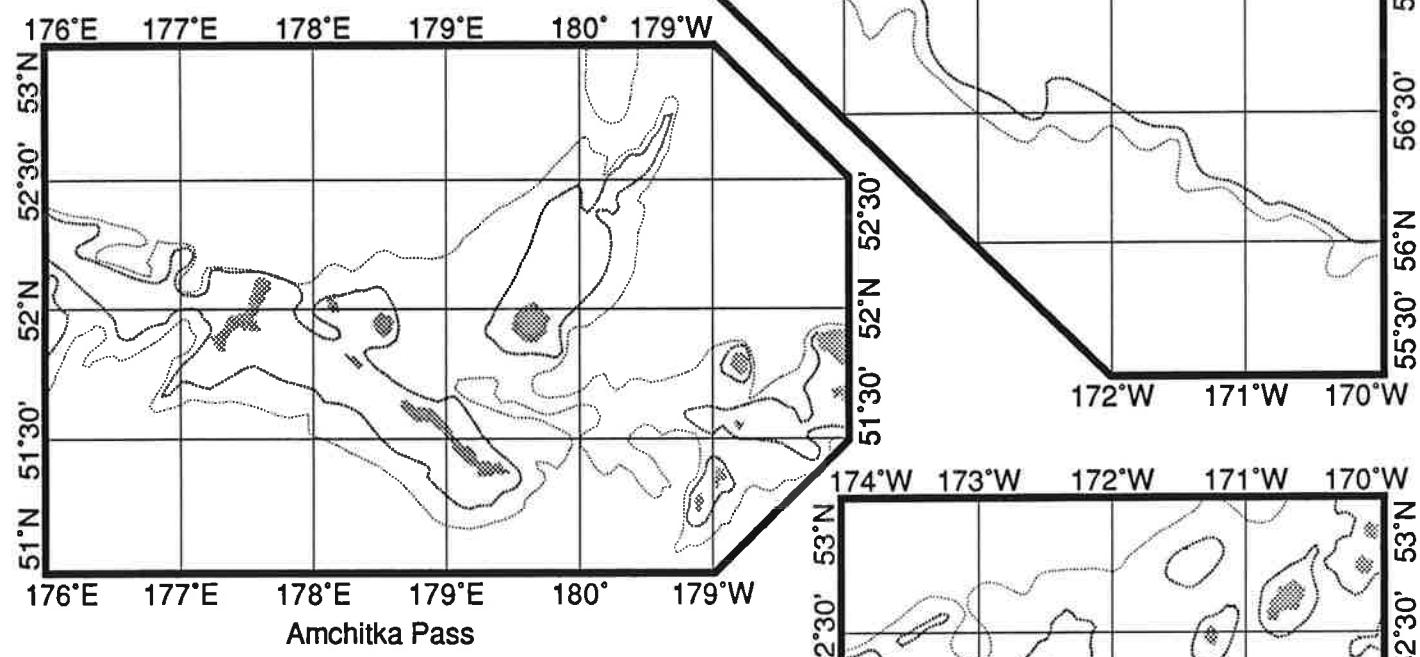


IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

IV-6



03-15-1991 15:40:12

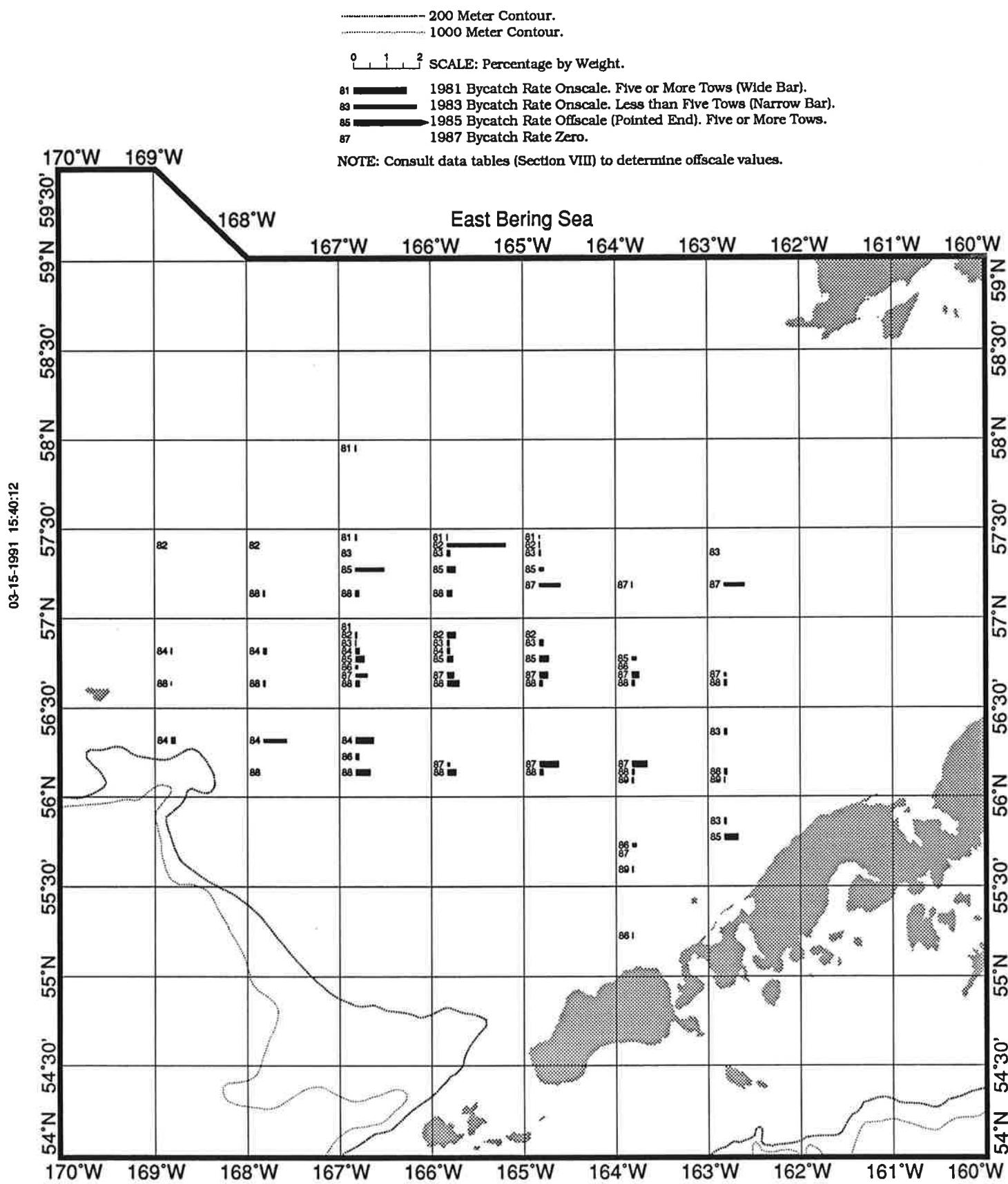


**March
YELLOWFIN SOLE
Halibut Bycatch Rate**

Seguam Pass

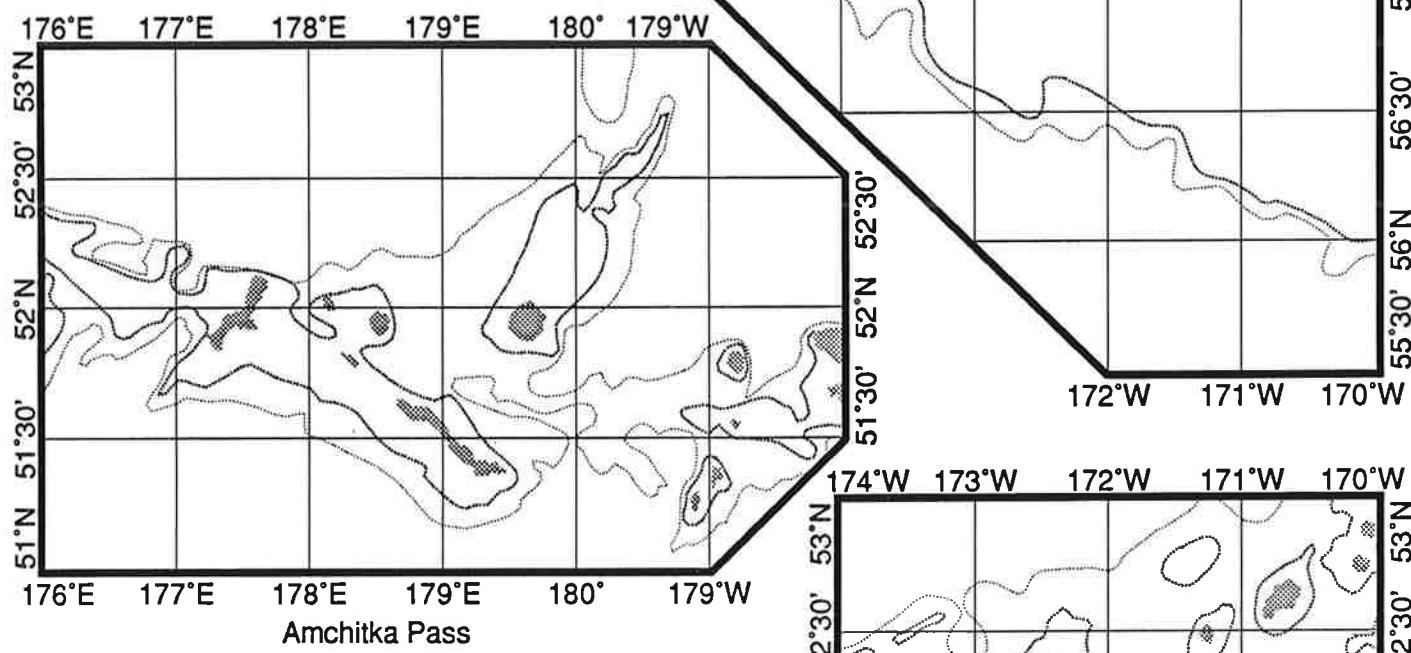
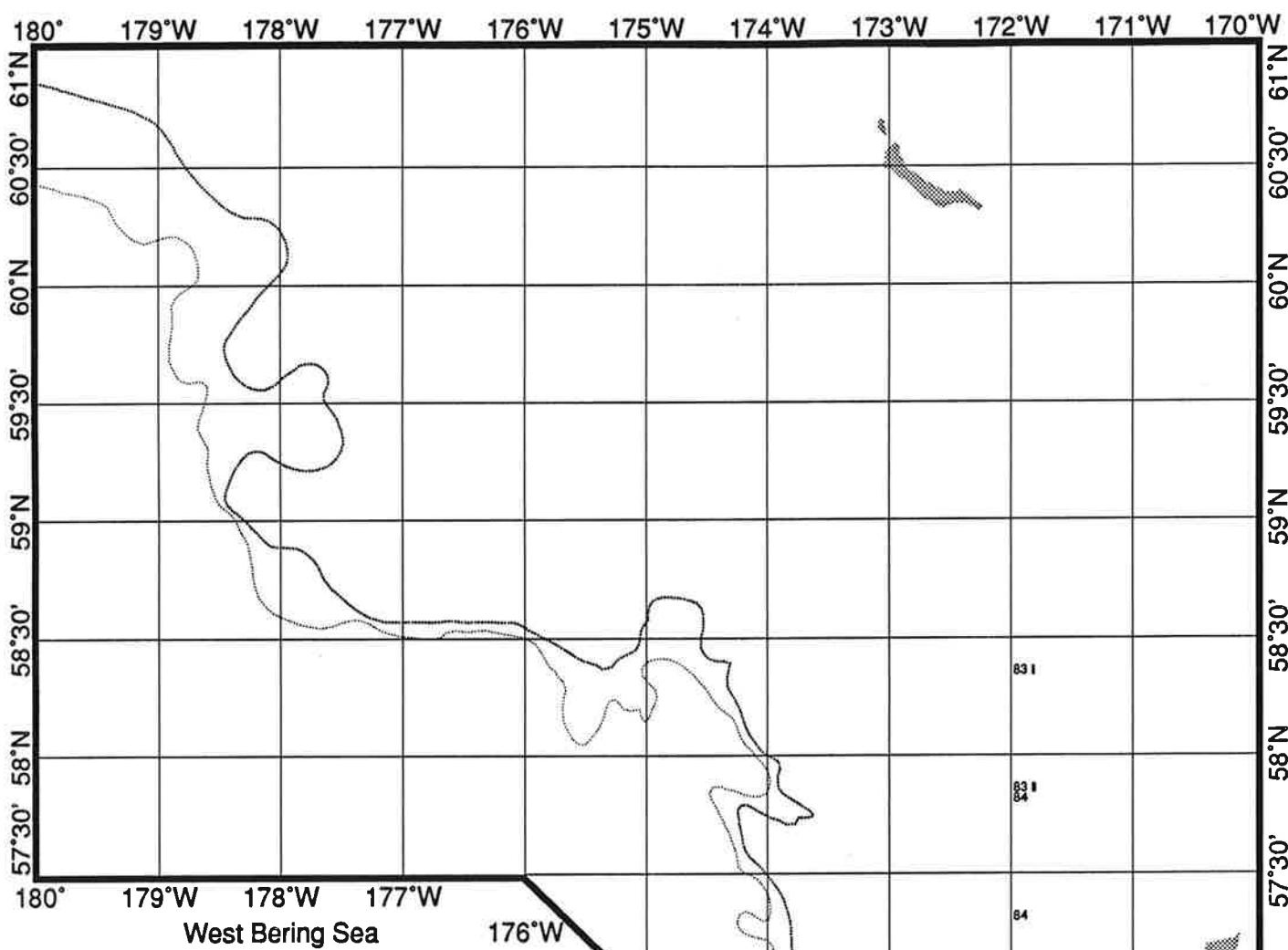
IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

March
YELLOWFIN SOLE
Halibut Bycatch Rate



IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

IV-8



April
YELLOWFIN SOLE
Halibut Bycatch Rate

Seguam Pass

174°W 173°W 172°W 171°W 170°W 52°N 52°30' 53°N 55°30' 56°30' 56°N 57°N 57°30' 58°N 59°N 59°30' 60°N 60°30' 61°N

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

03-15-1991 15:40:12

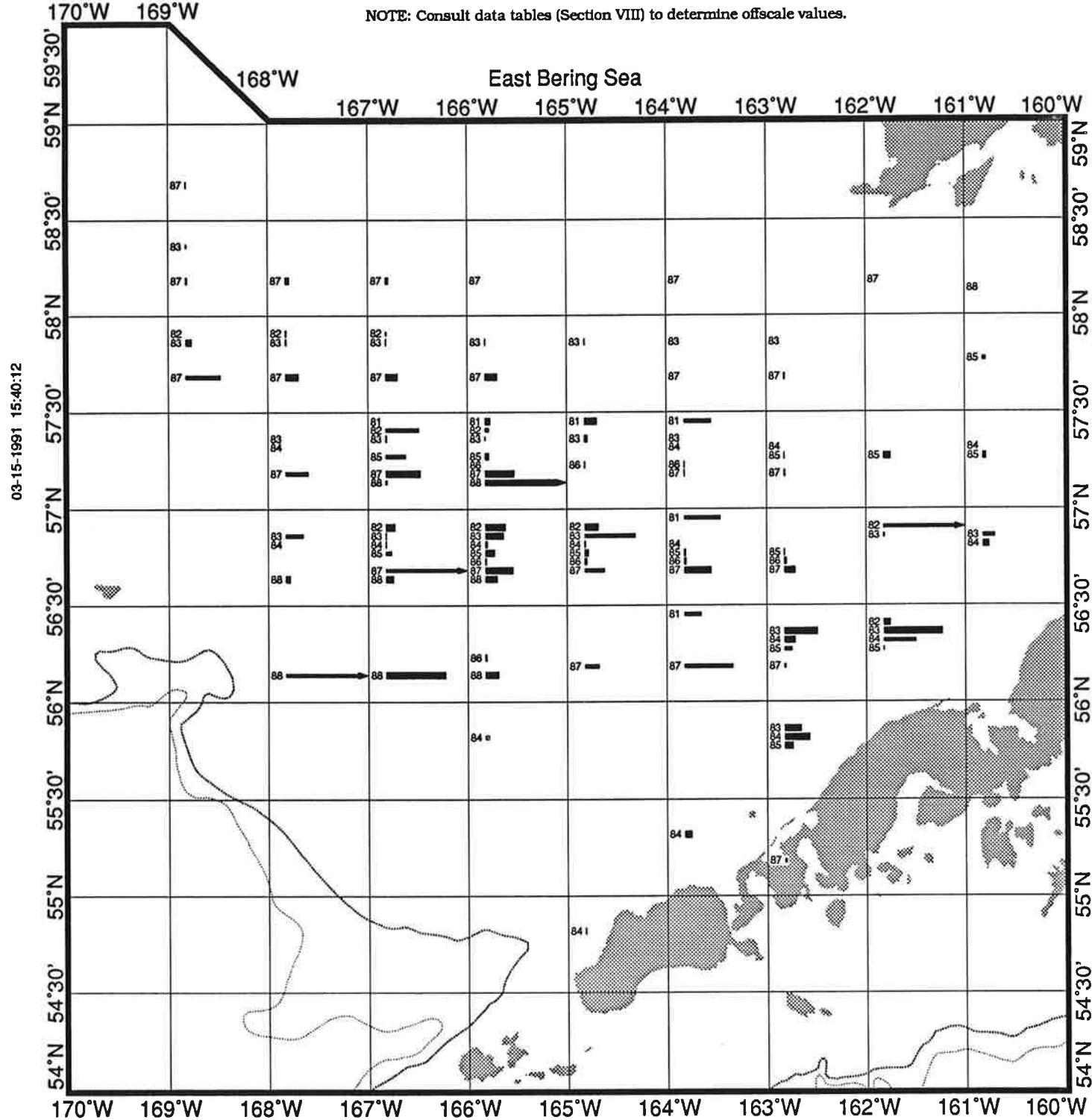
April
YELLOWFIN SOLE
Halibut Bycatch Rate

..... 200 Meter Contour.
..... 1000 Meter Contour.

0 1 2 SCALE: Percentage by Weight.

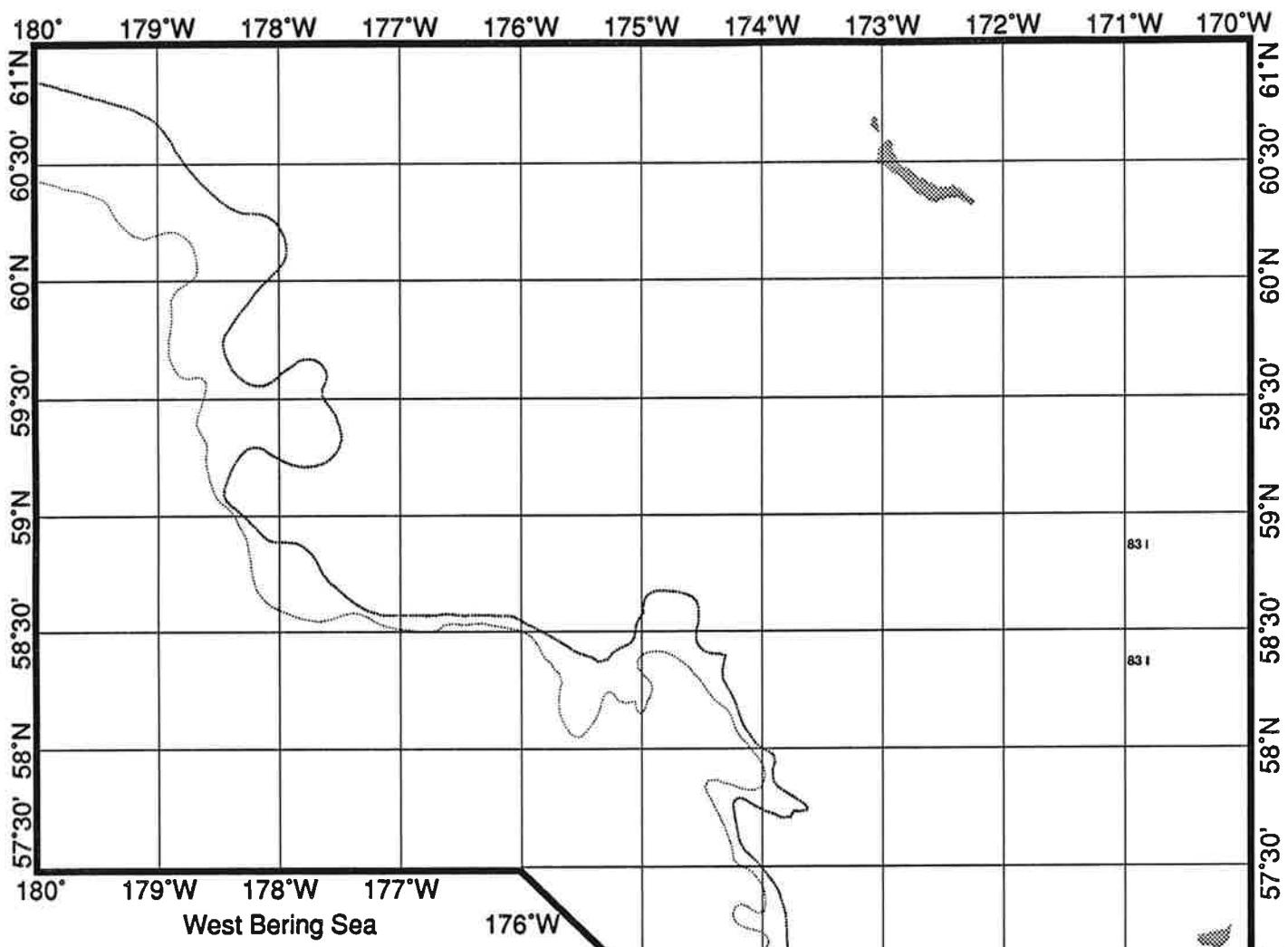
- 81 ——— 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
- 83 ——— 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
- 85 ————— 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
- 87 ————— 1987 Bycatch Rate Zero.

NOTE: Consult data tables (Section VIII) to determine offscale values.

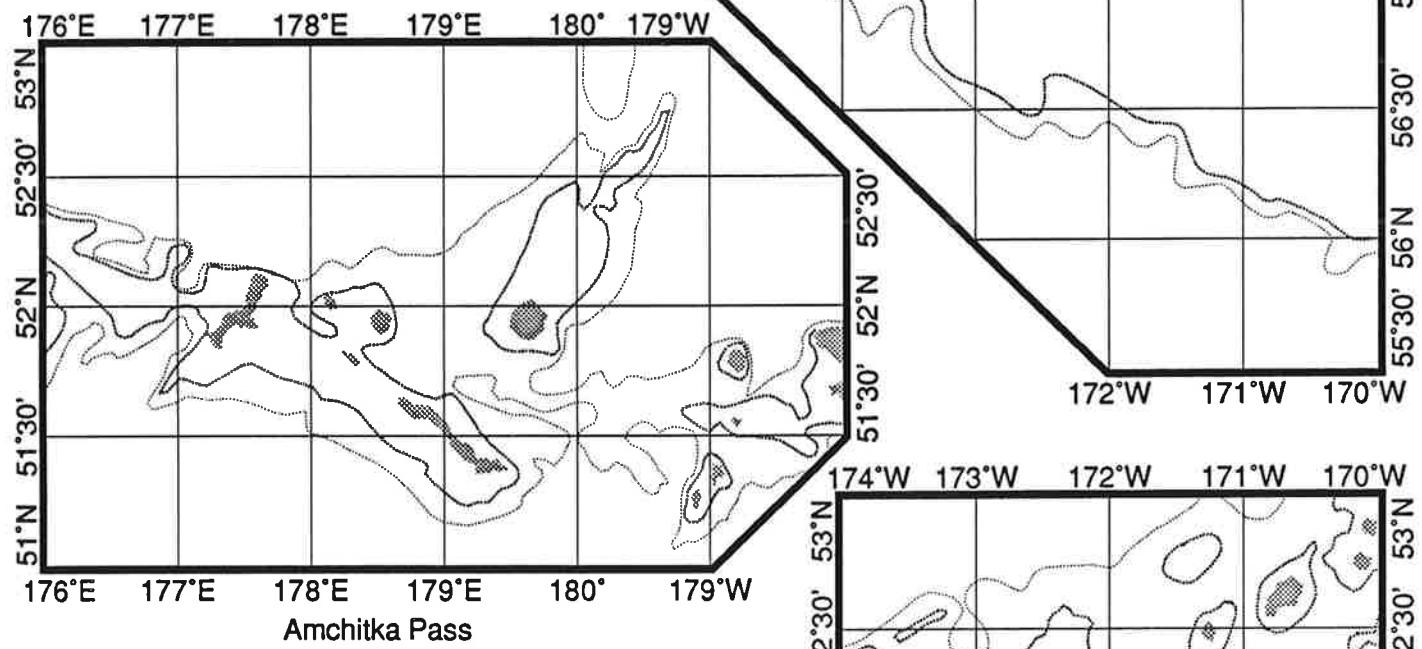


IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

IV-10



03-15-1991 15:40:12

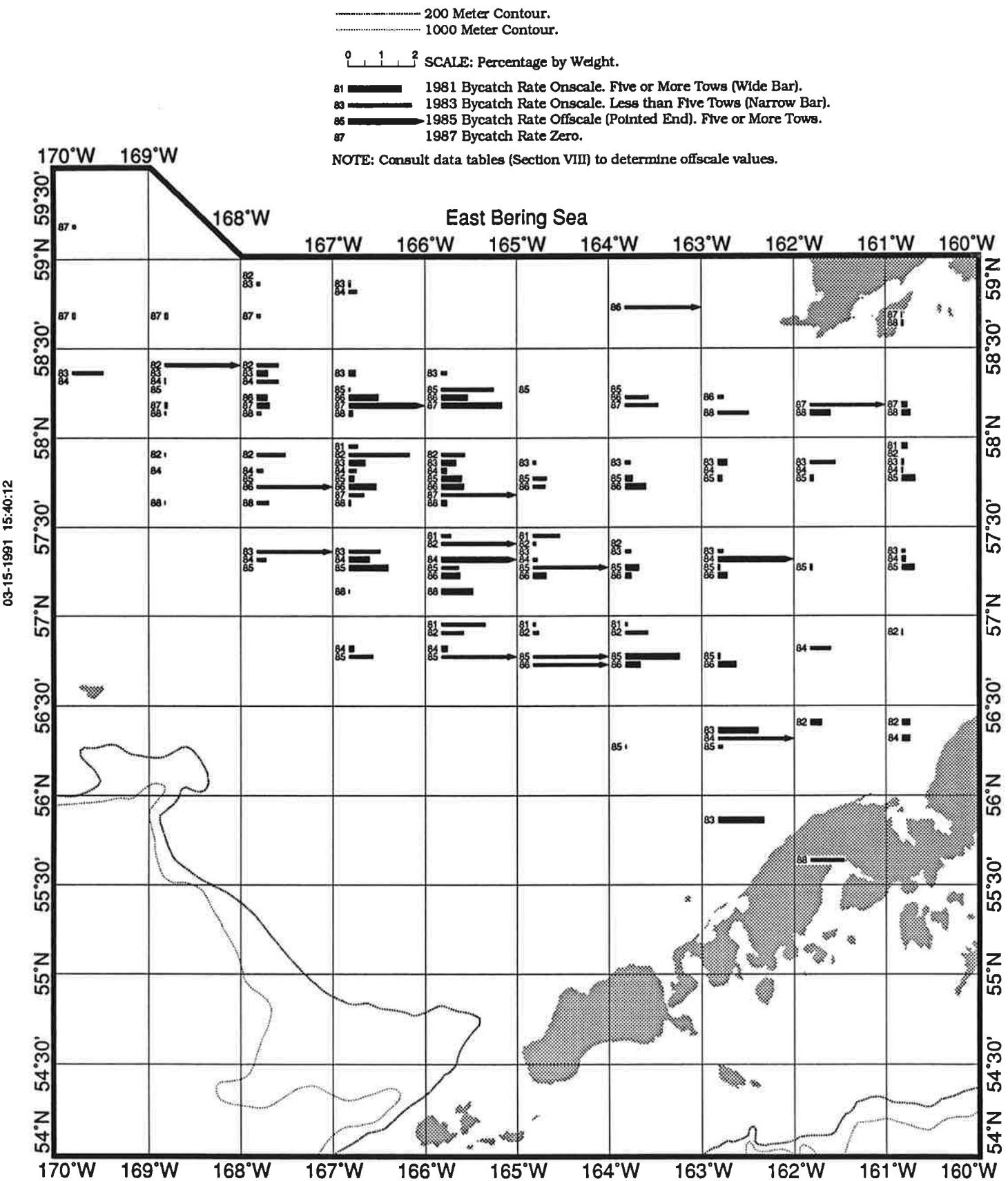


May
YELLOWFIN SOLE
Halibut Bycatch Rate

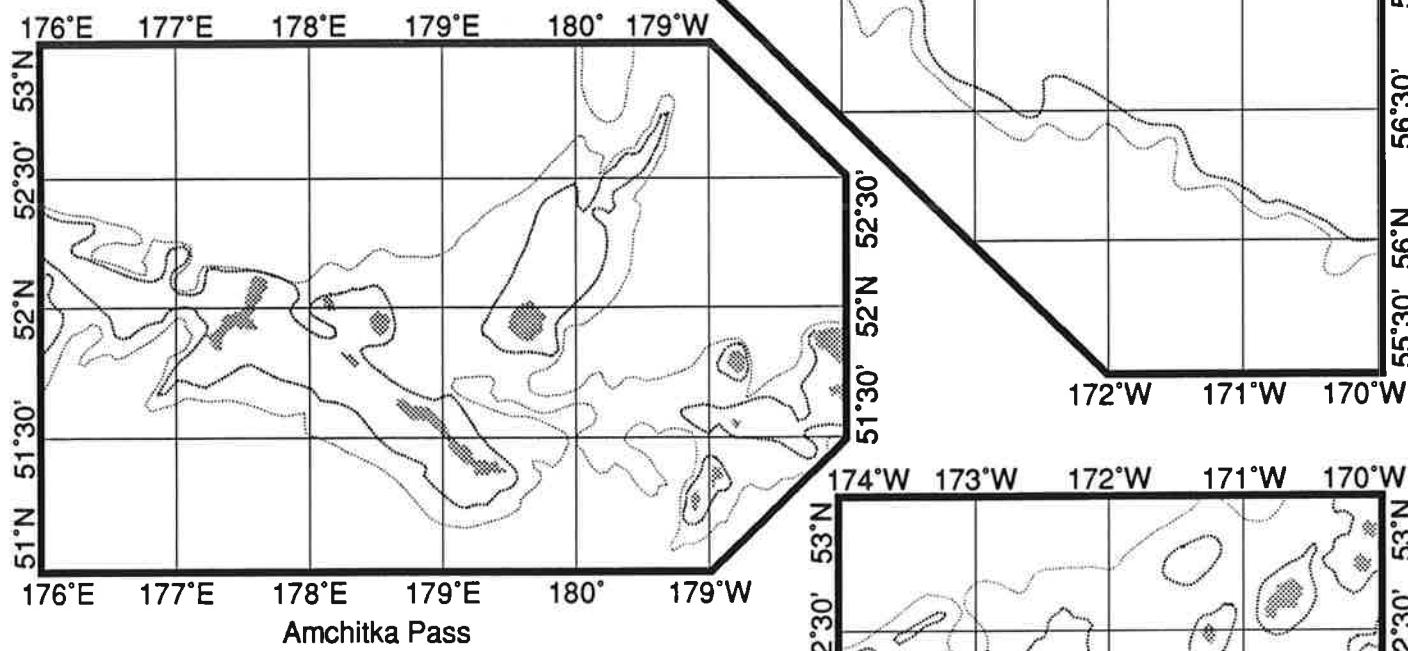
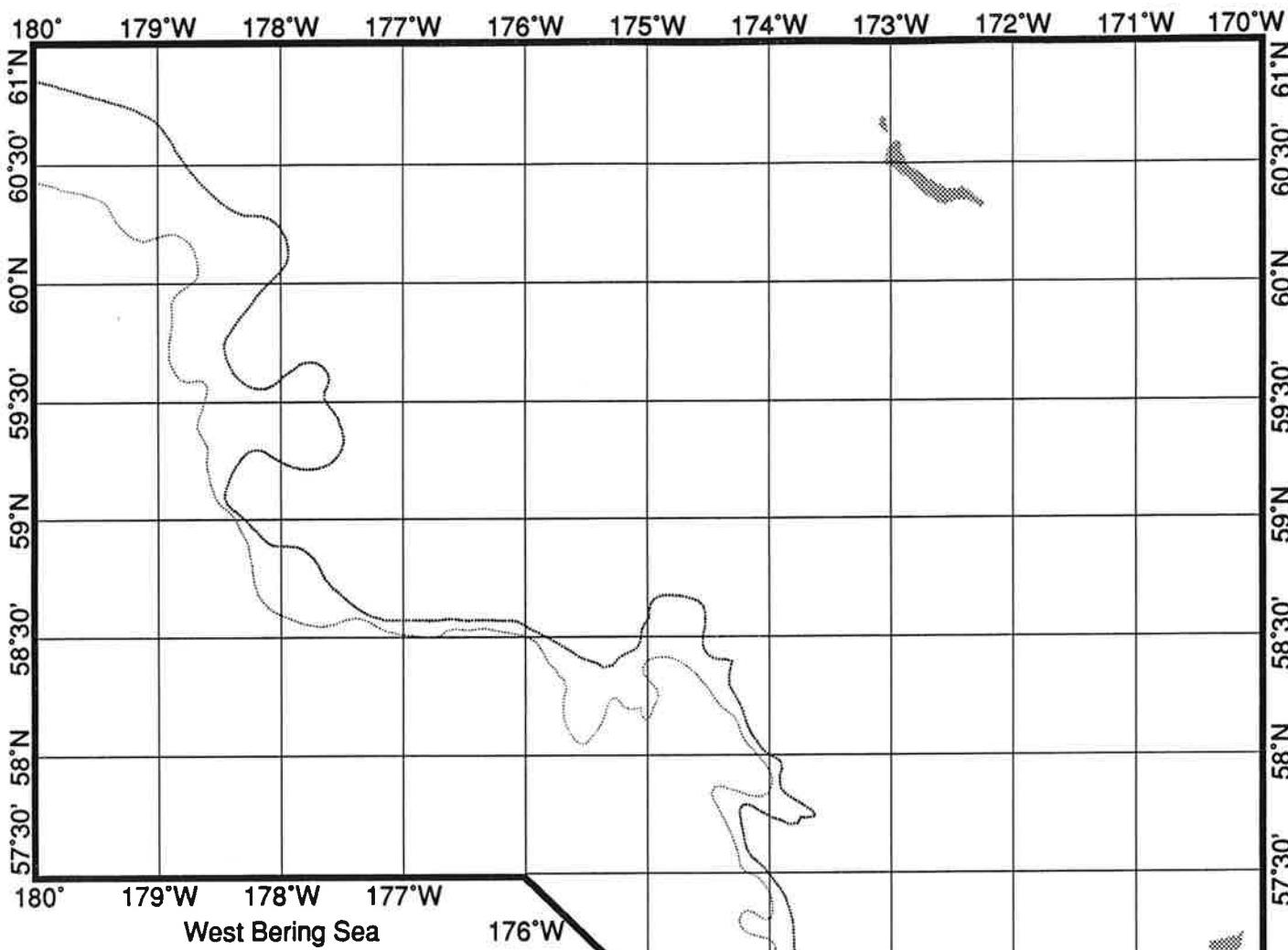
Seguam Pass

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

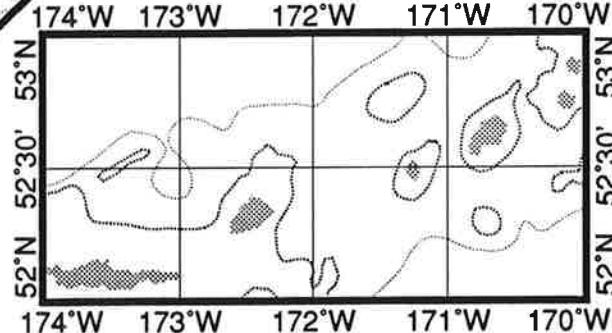
May
YELLOWFIN SOLE
Halibut Bycatch Rate



IV-12



Seguam Pass

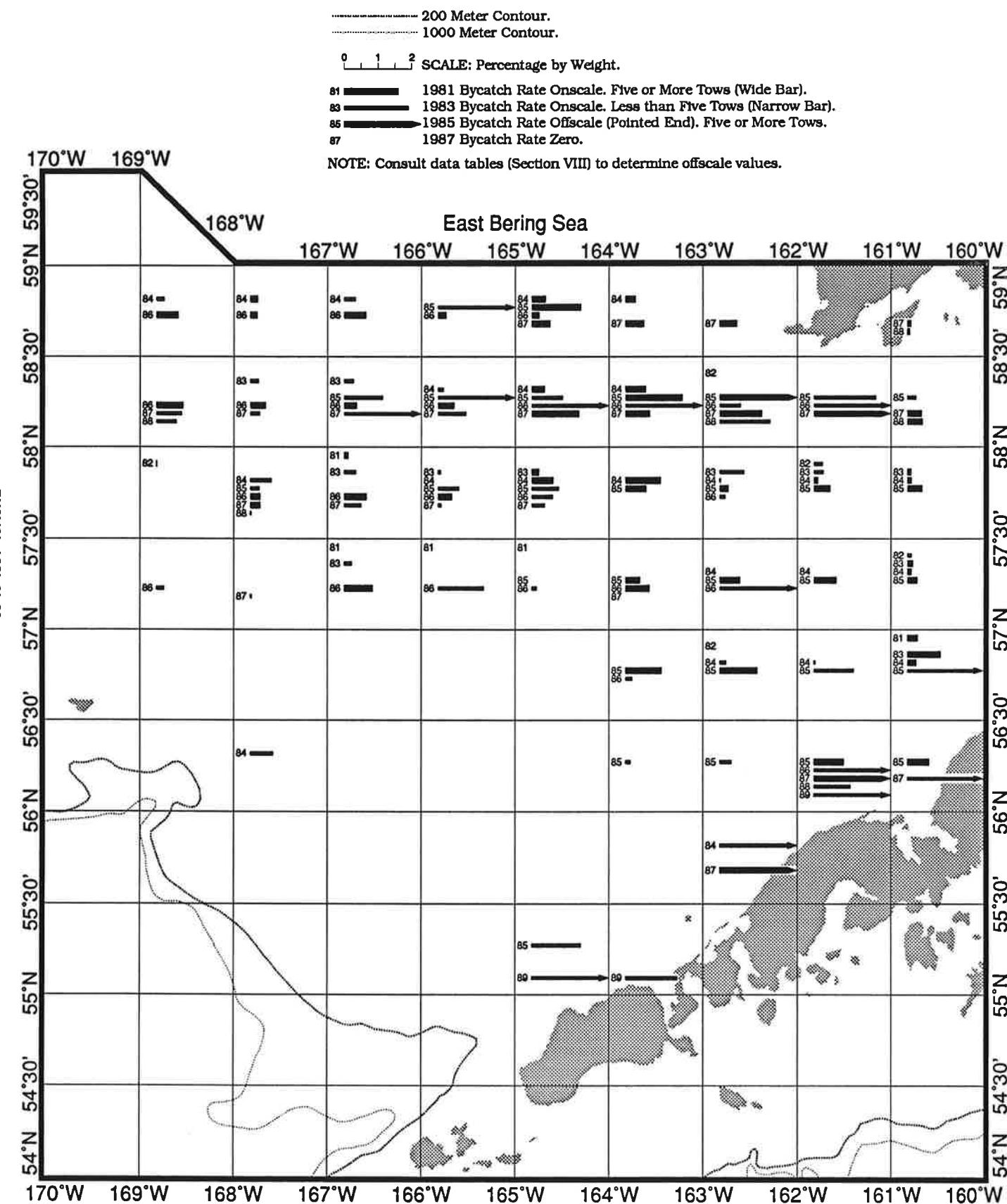


June
YELLOWFIN SOLE
Halibut Bycatch Rate

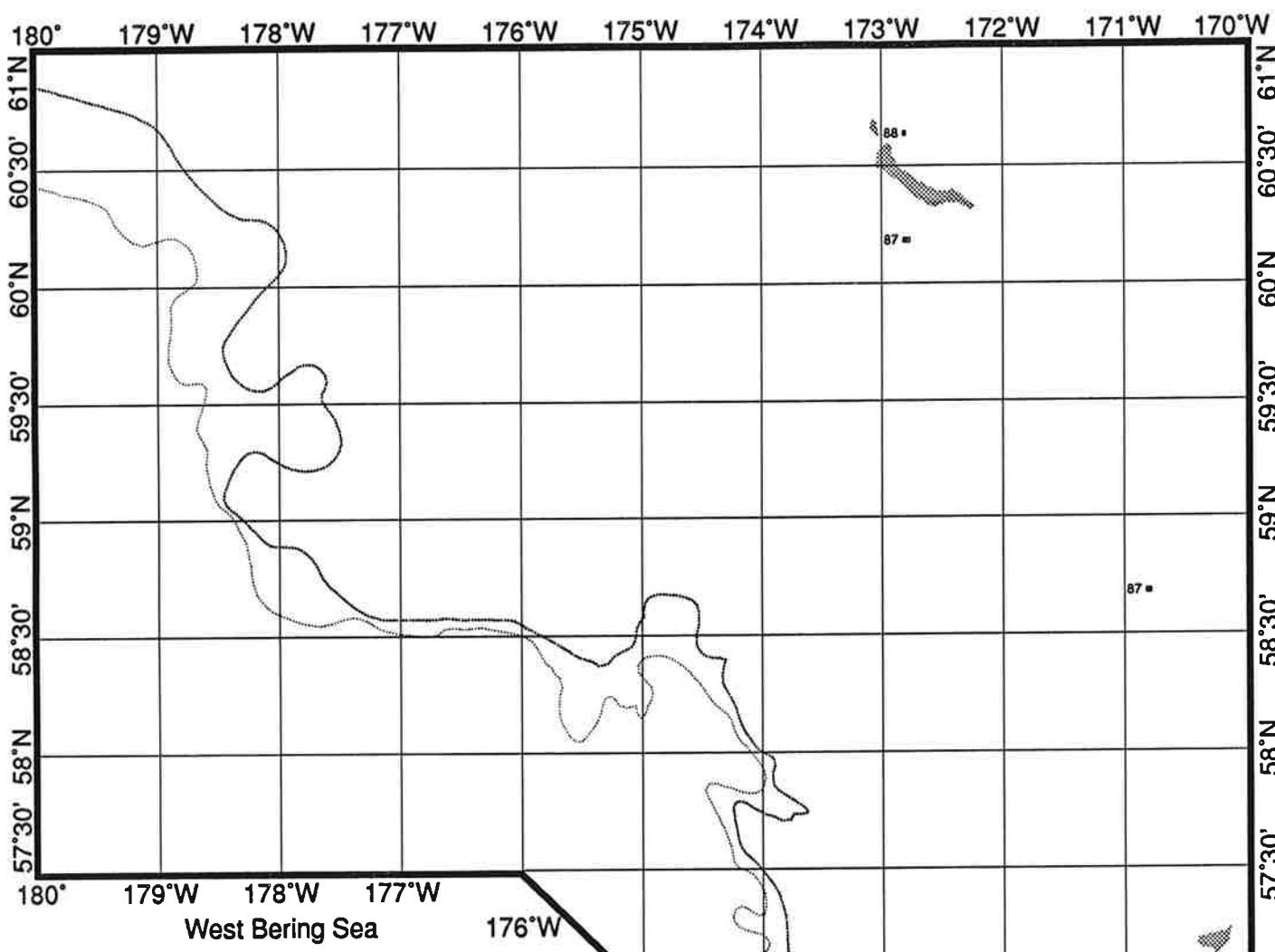
IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

03-16-1991 16:21:05

June
YELLOWFIN SOLE
Halibut Bycatch Rate



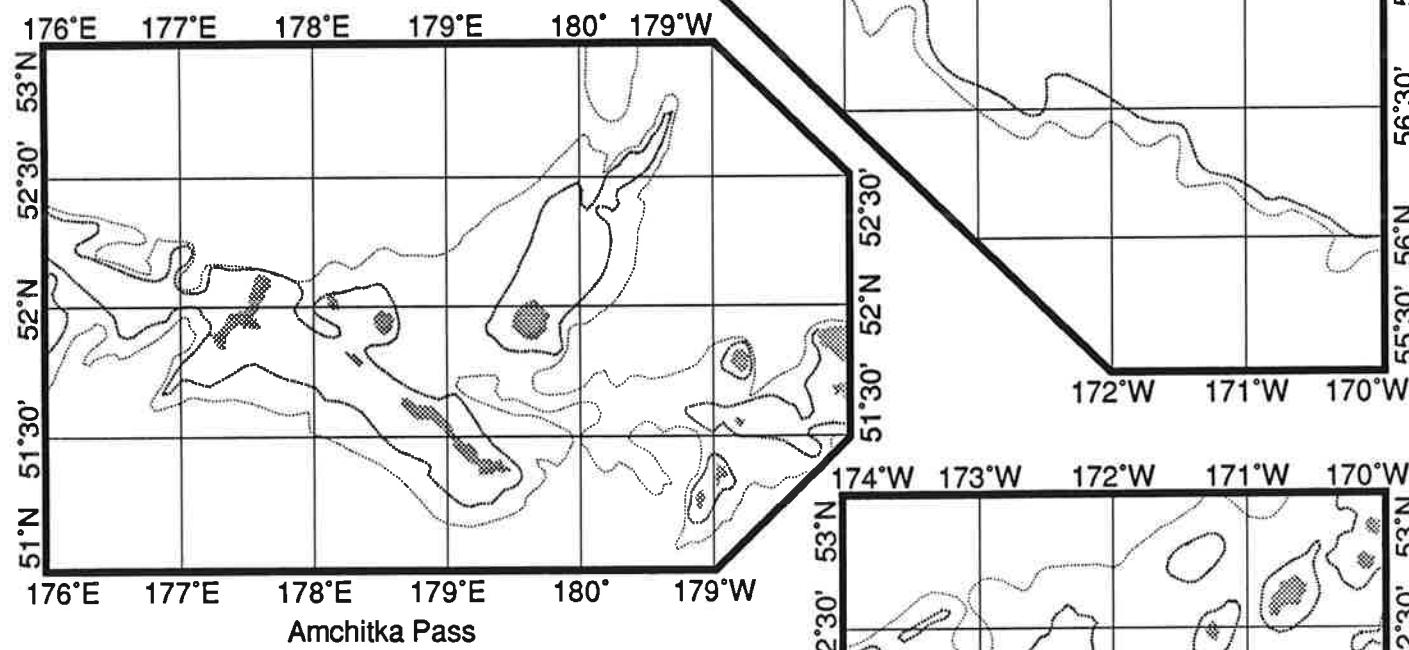
IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.



West Bering Sea

176°W

03-15-1991 15:40:12

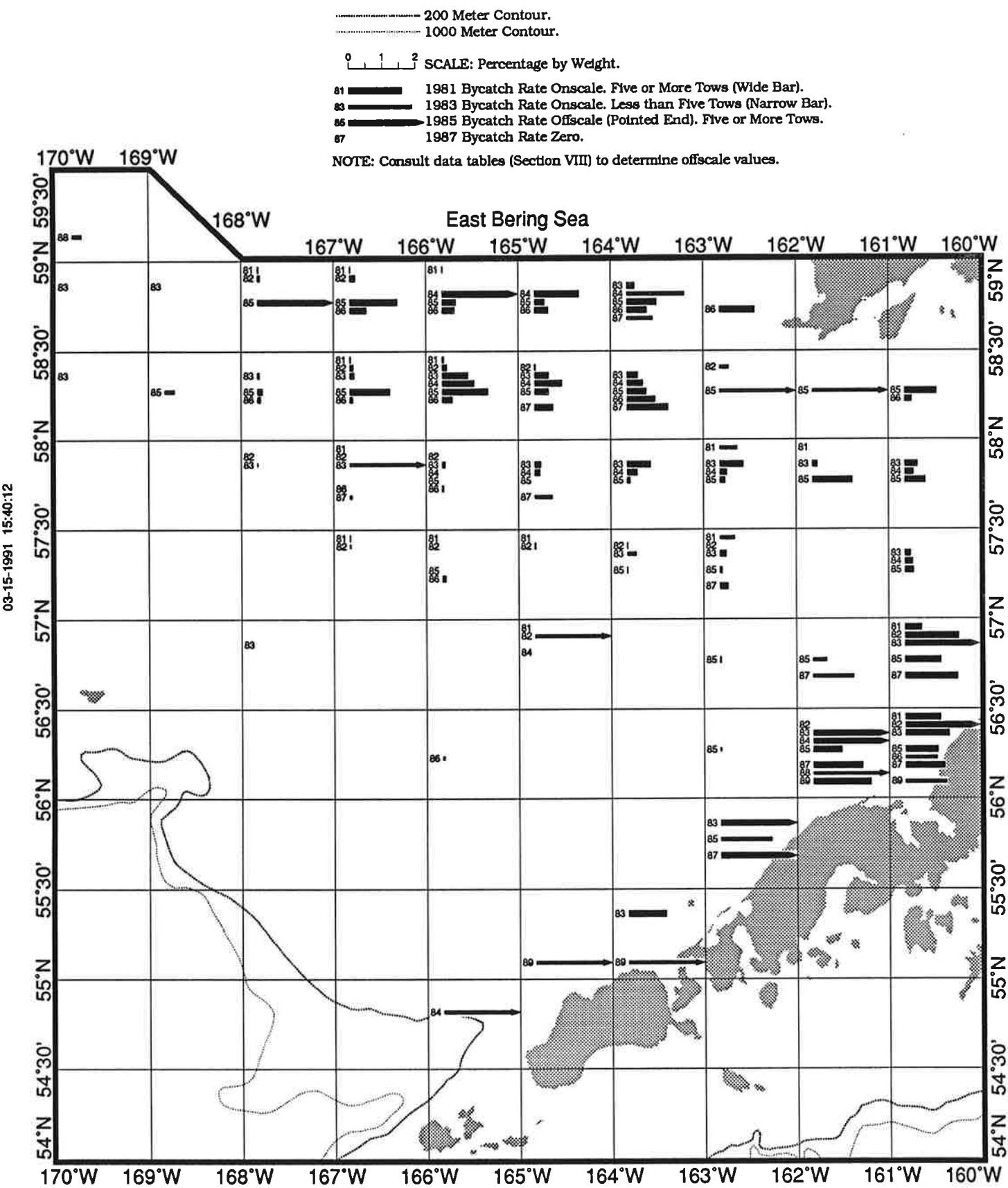


Amchitka Pass

Seguam Pass

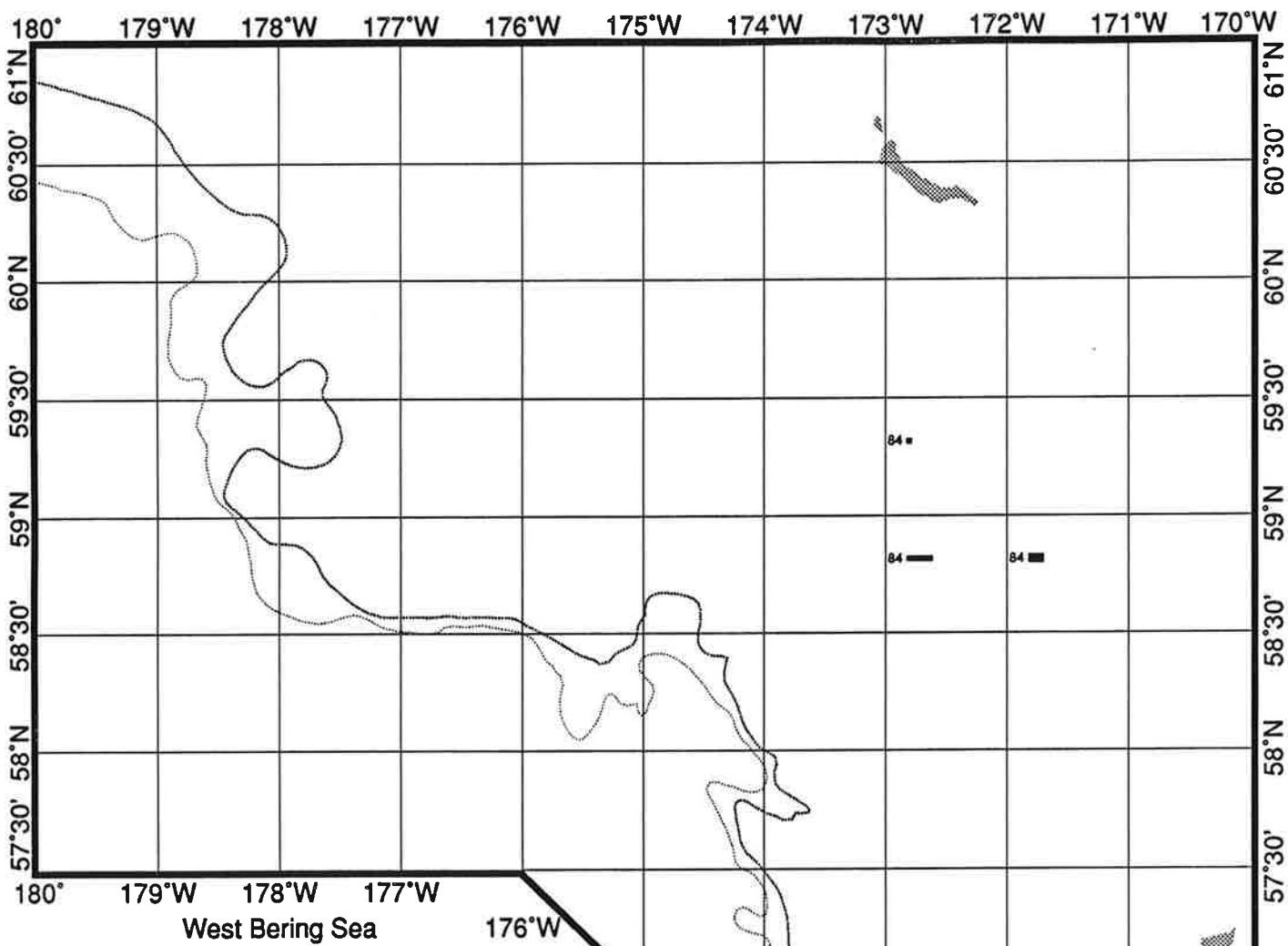
July
YELLOWFIN SOLE
Halibut Bycatch Rate

July YELLOWFIN SOLE Halibut Bycatch Rate

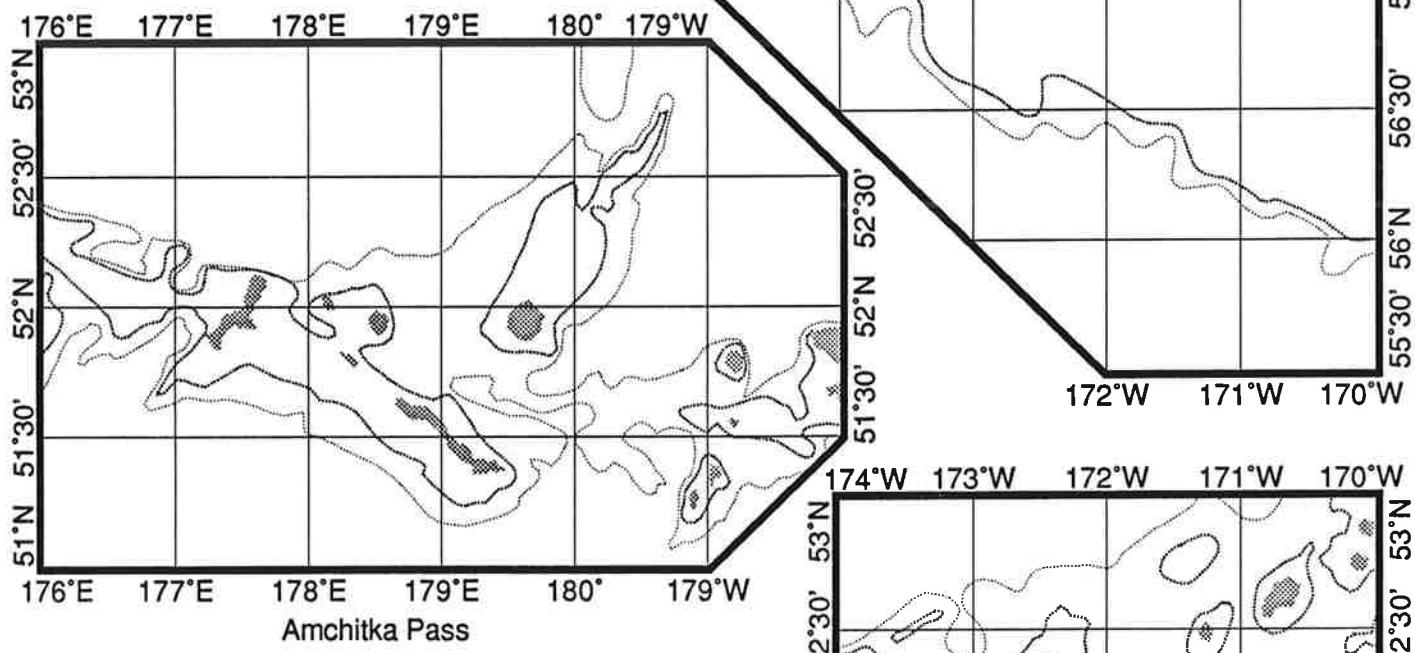


IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

IV-16



03-15-1991 15:40:12

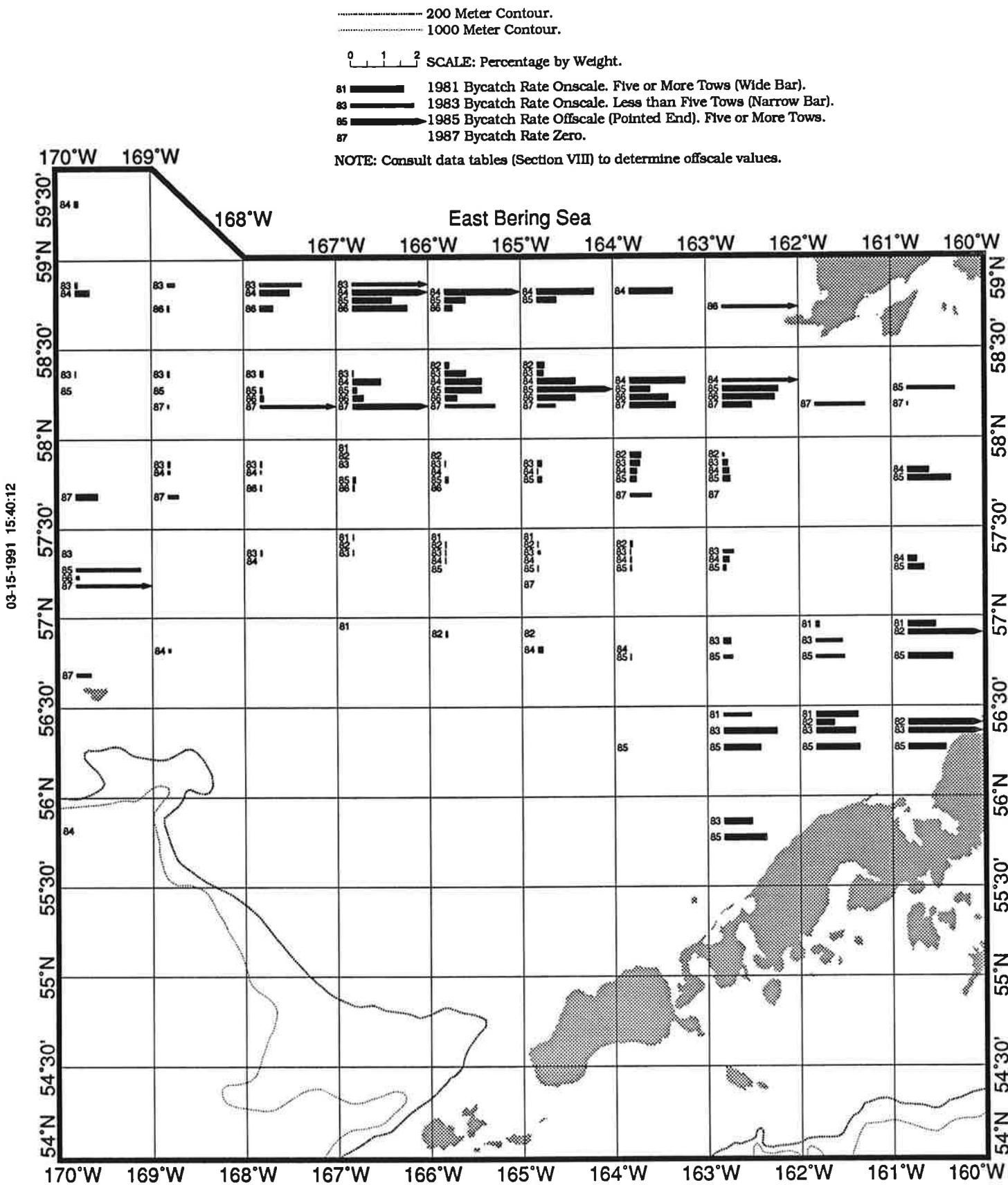


August
YELLOWFIN SOLE
Halibut Bycatch Rate

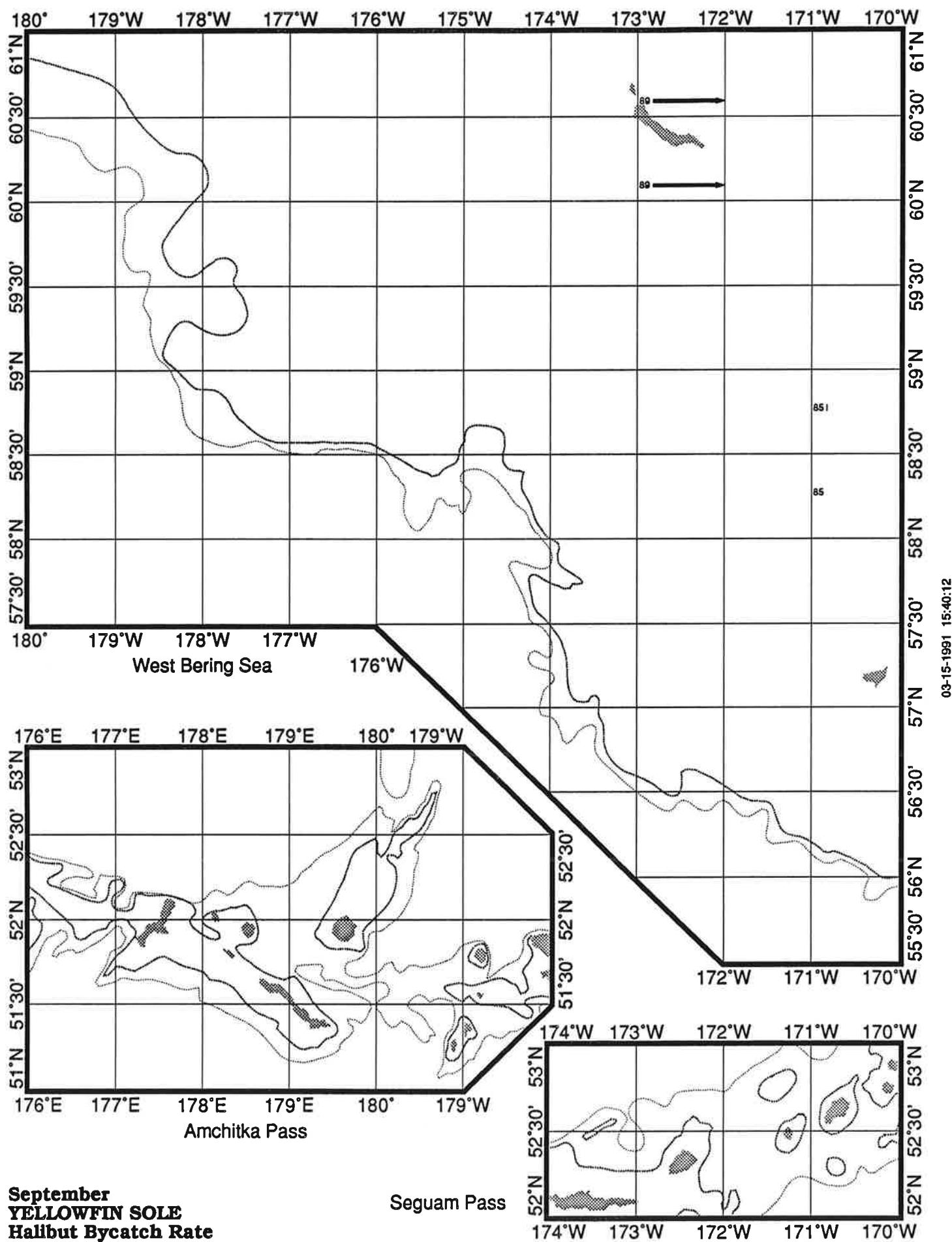
Seguam Pass

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

August YELLOWFIN SOLE Halibut Bycatch Rate



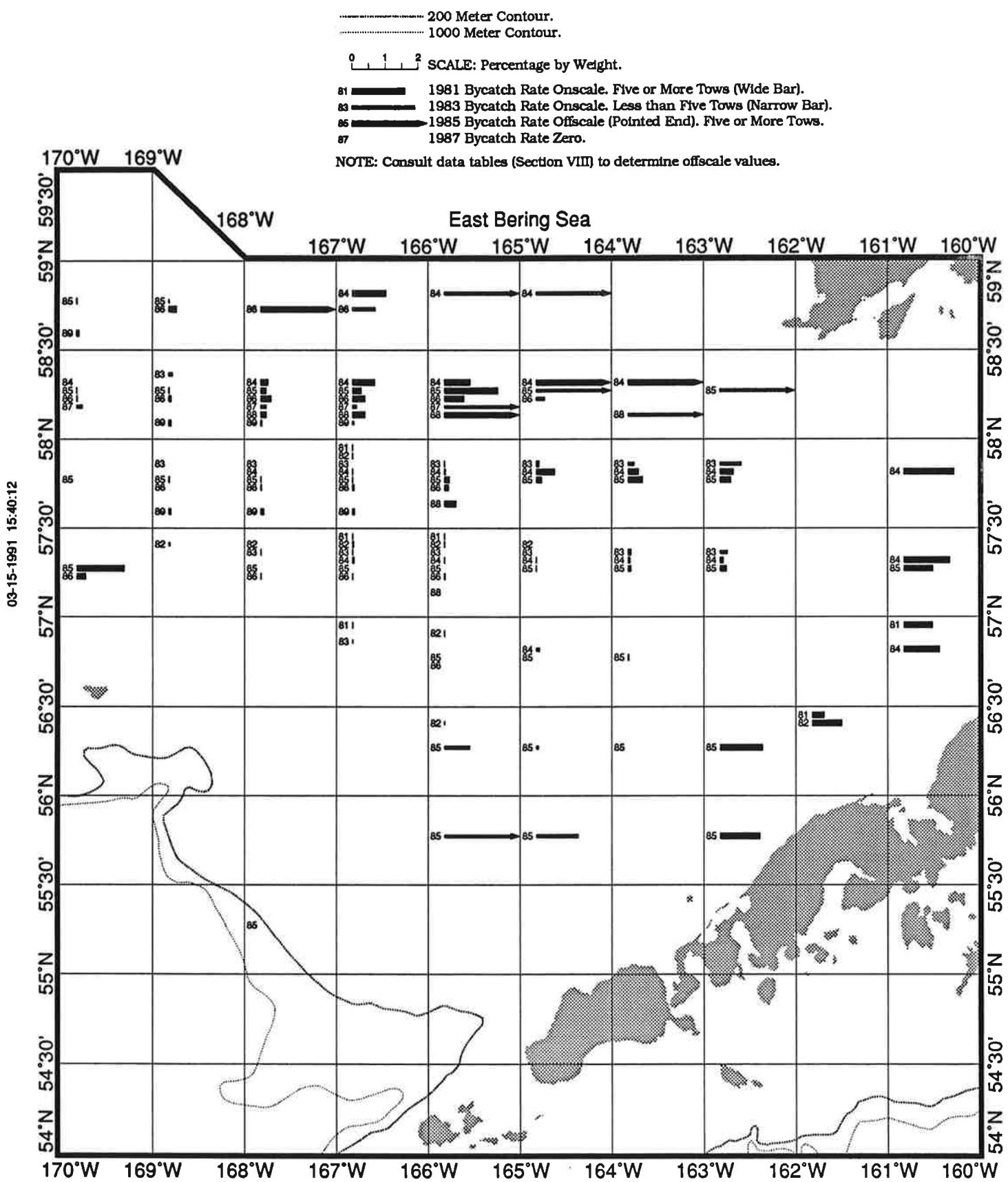
IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.



**September
YELLOWFIN SOLE
Halibut Bycatch Rate**

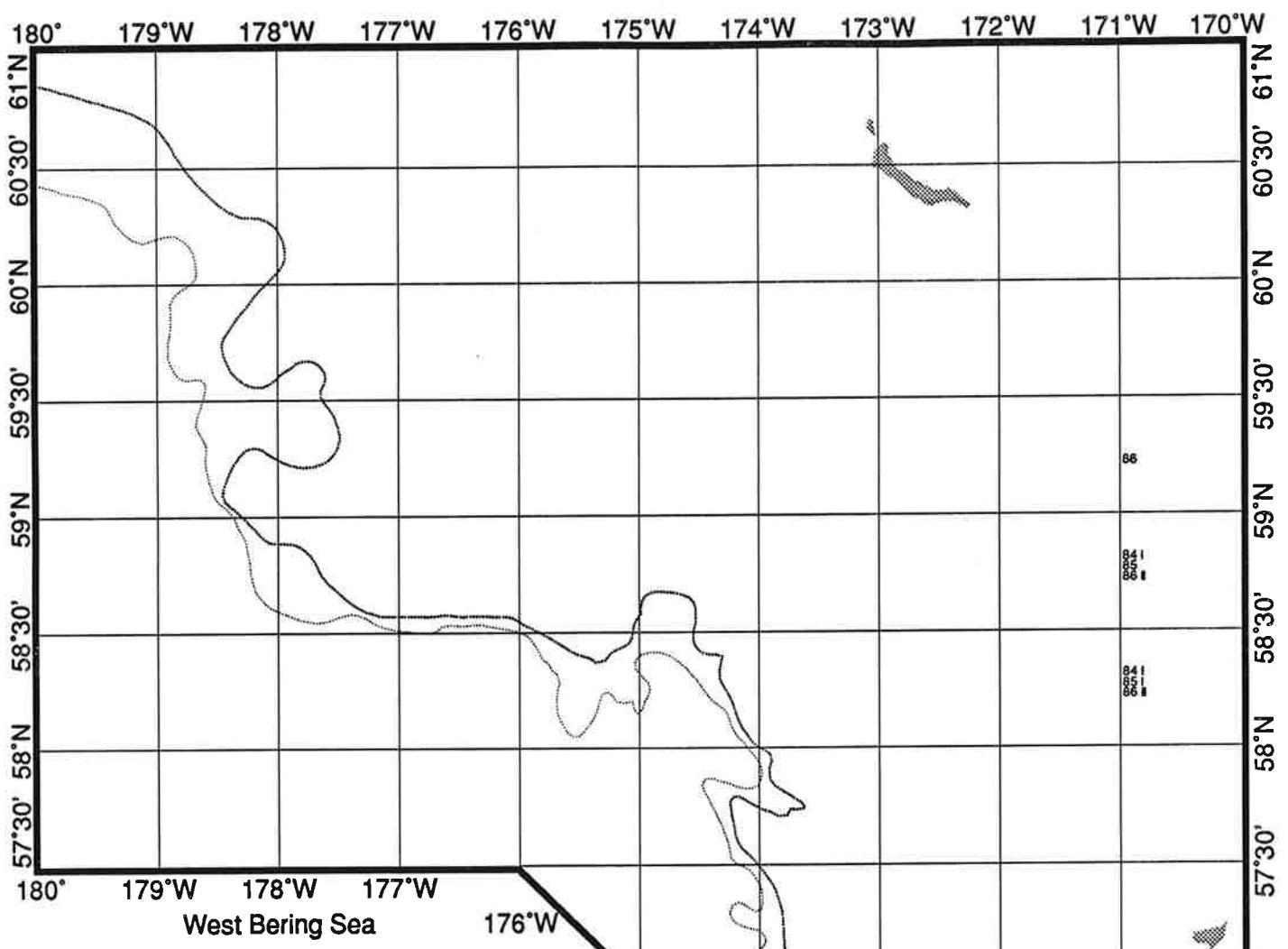
Seguam Pass

September YELLOWFIN SOLE Halibut Bycatch Rate

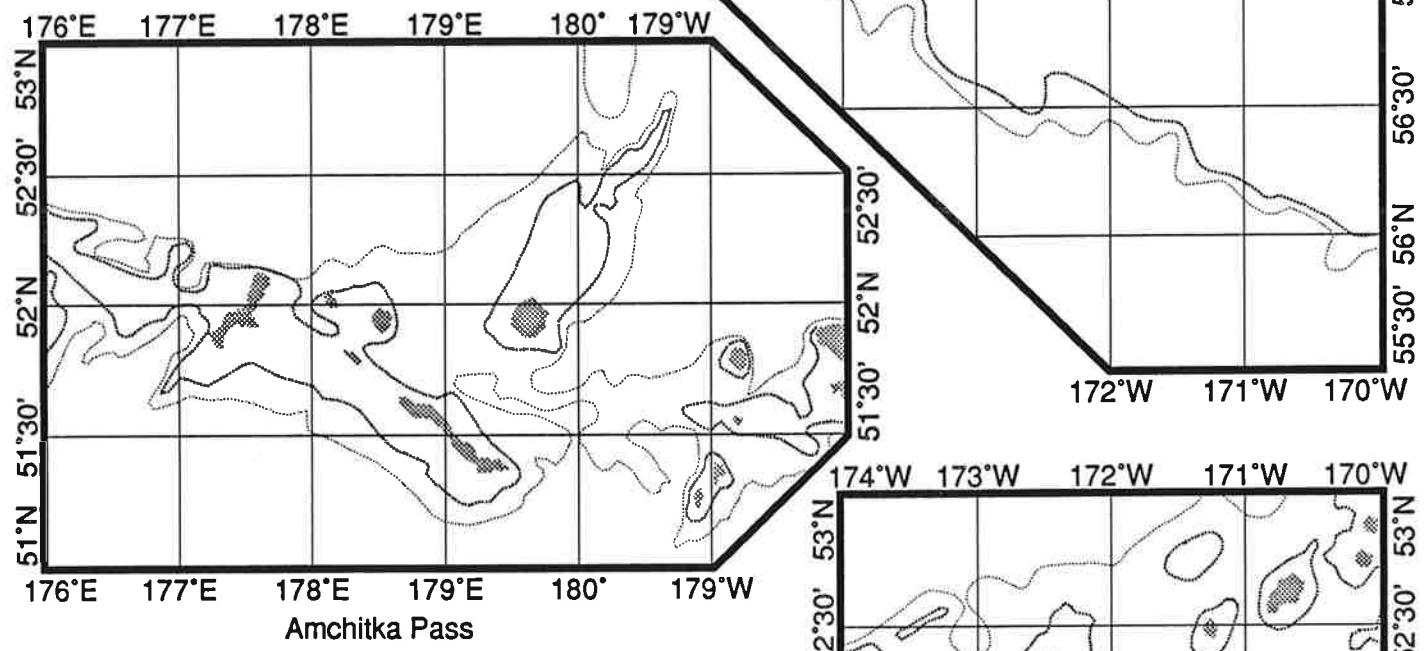


IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

IV-20



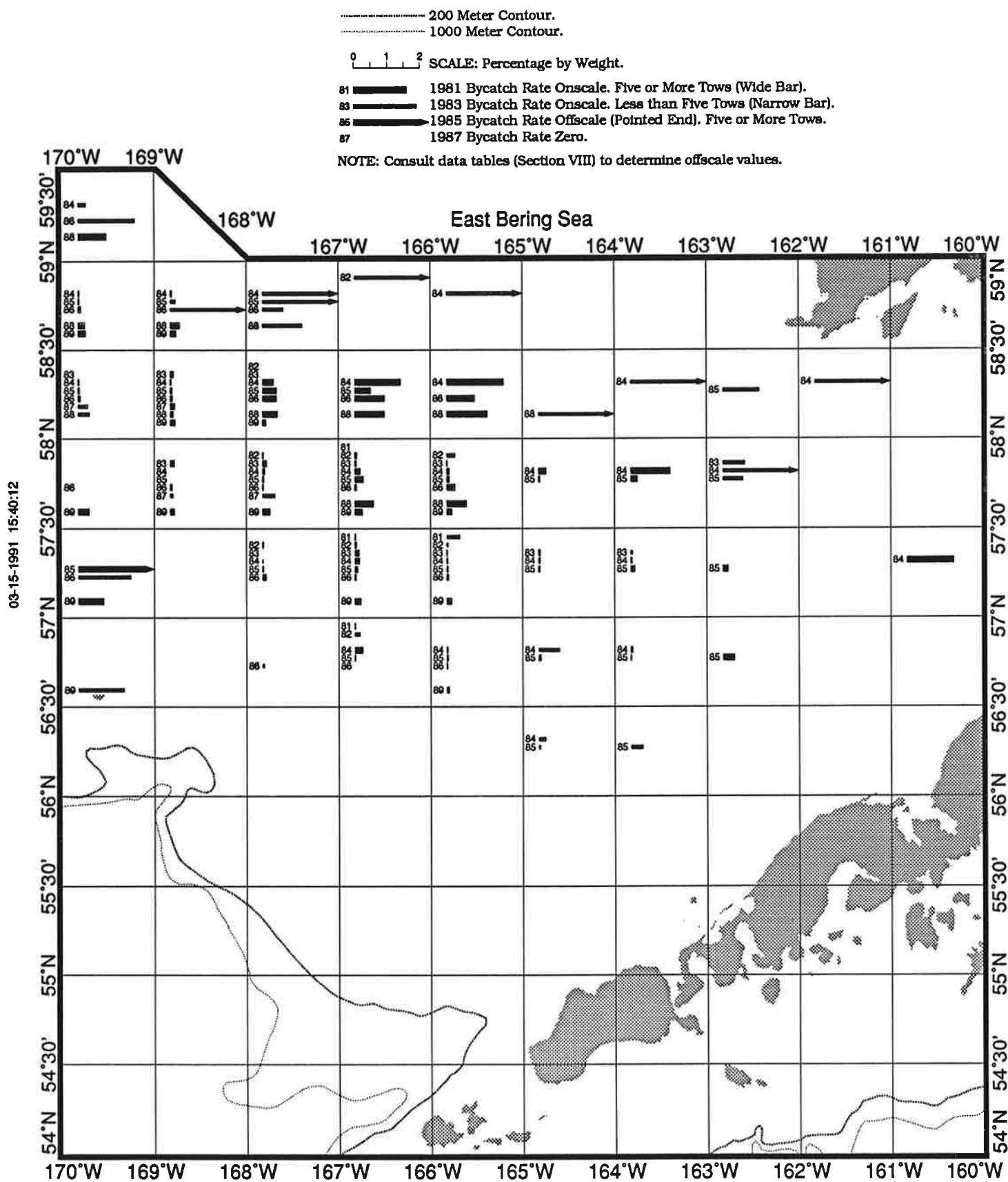
03-15-1991 15:40:12



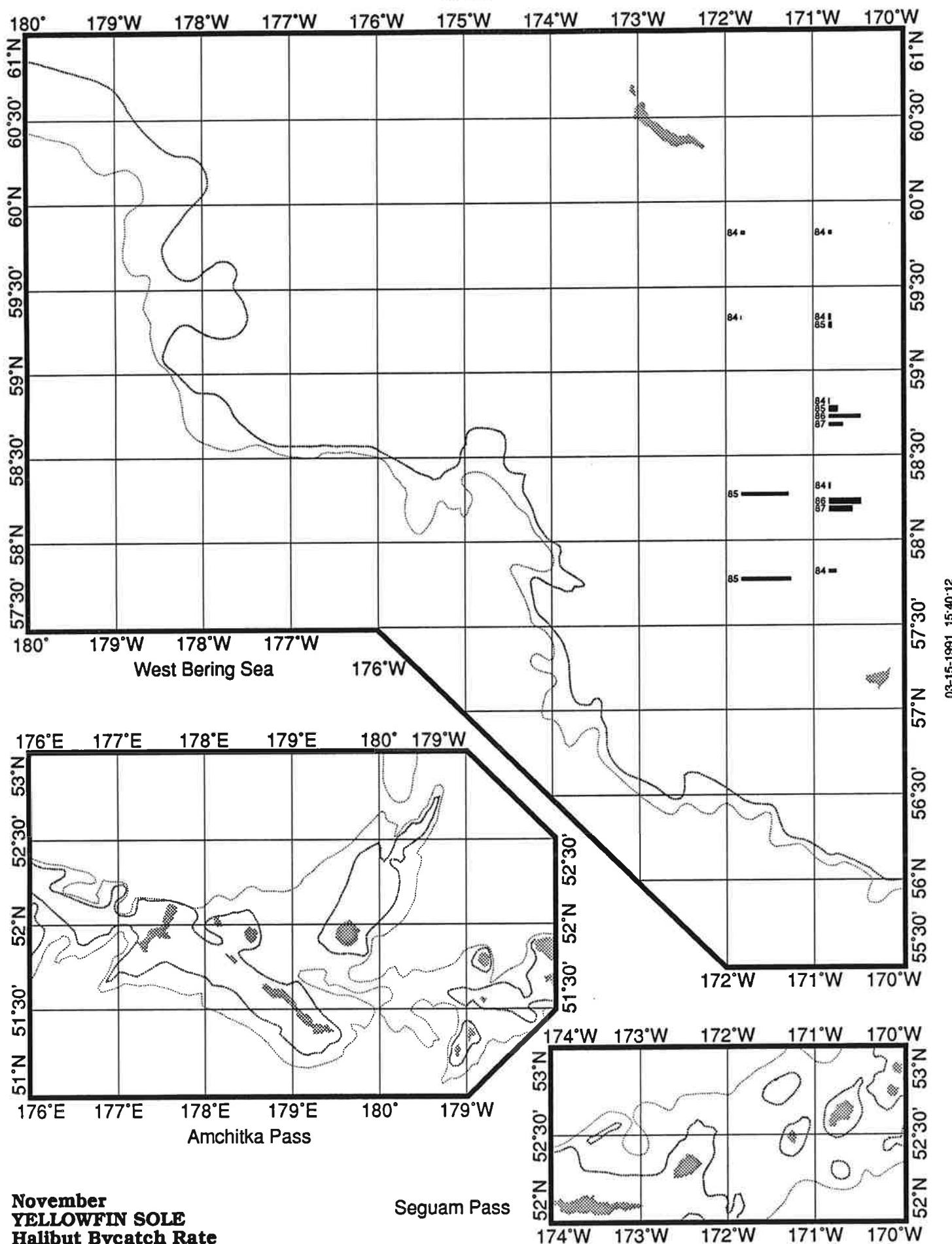
October
YELLOWFIN SOLE
Halibut Bycatch Rate

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

**October
YELLOWFIN SOLE
Halibut Bycatch Rate**



IV-22

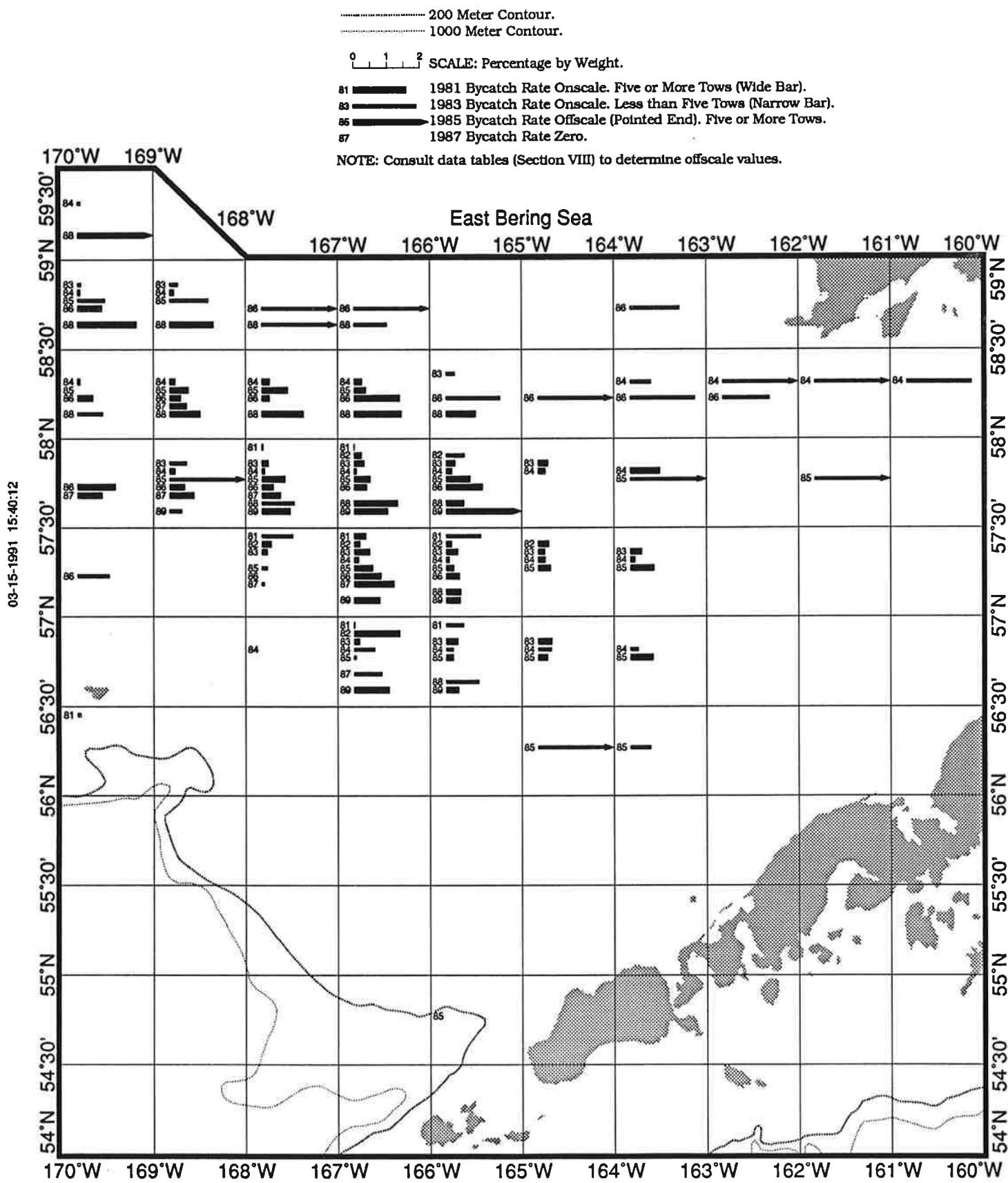


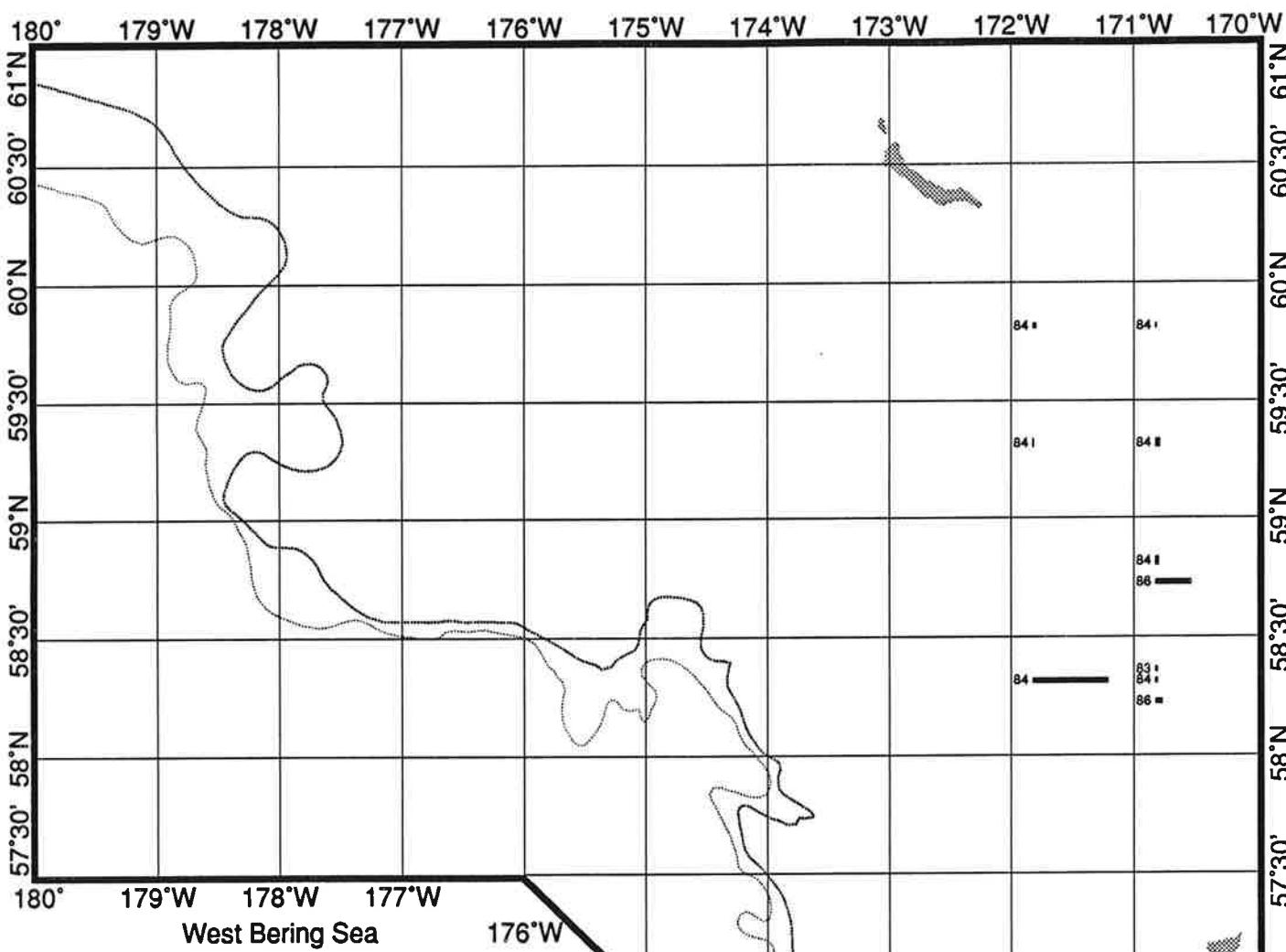
November YELLOWFIN SOLE Halibut Bycatch Rate

Seguam Pass

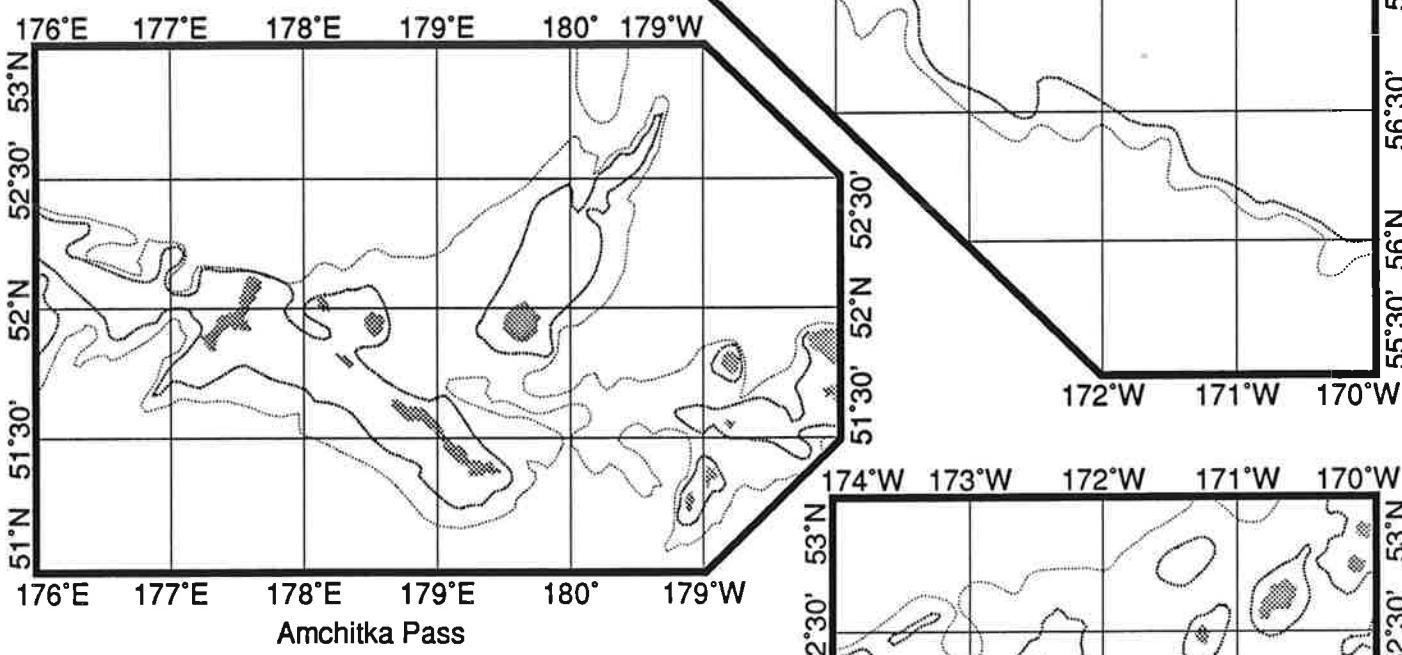
IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

November
YELLOWFIN SOLE
Halibut Bycatch Rate





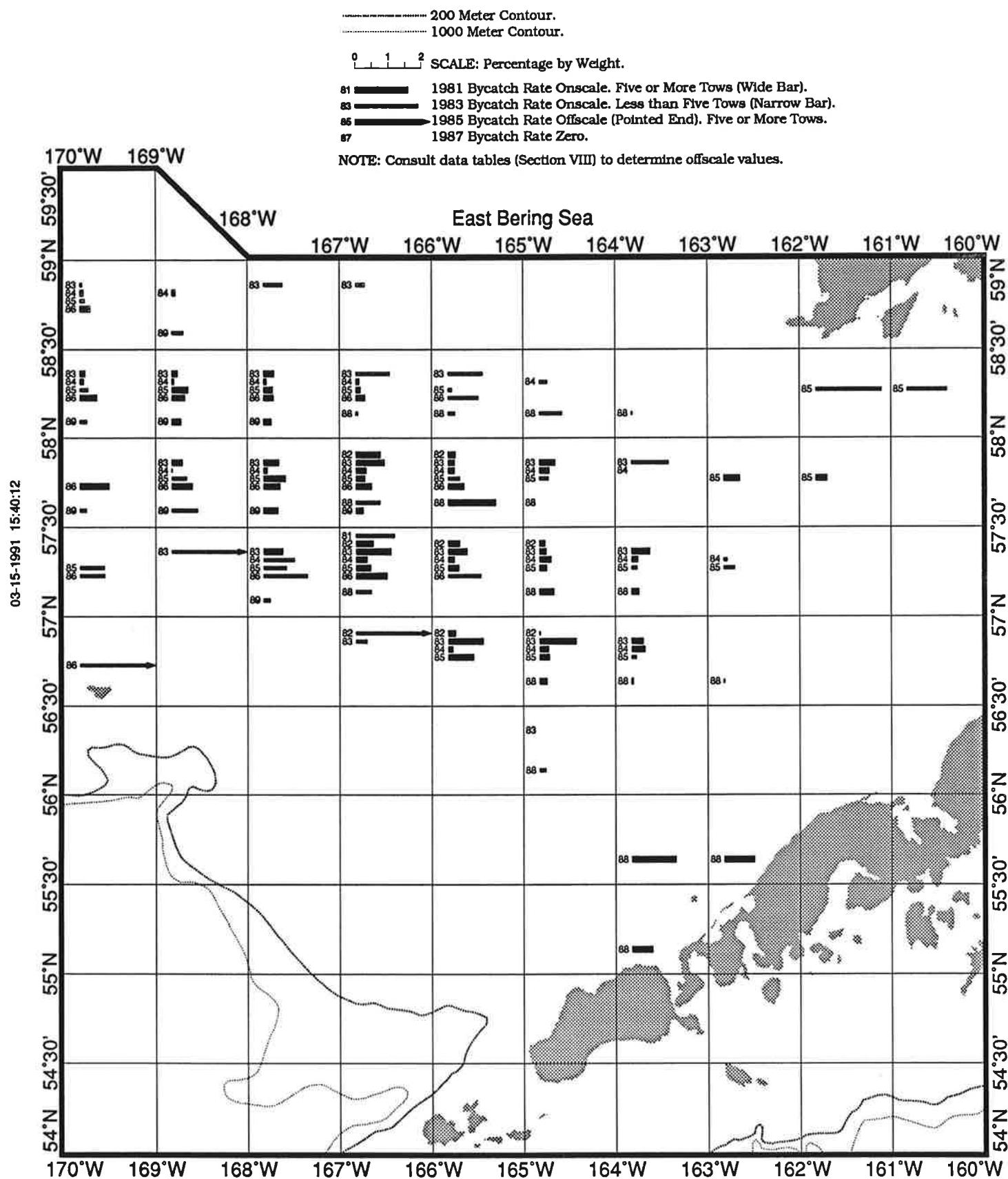
03-15-1991 15:40:12



December
YELLOWFIN SOLE
Halibut Bycatch Rate

Seguam Pass

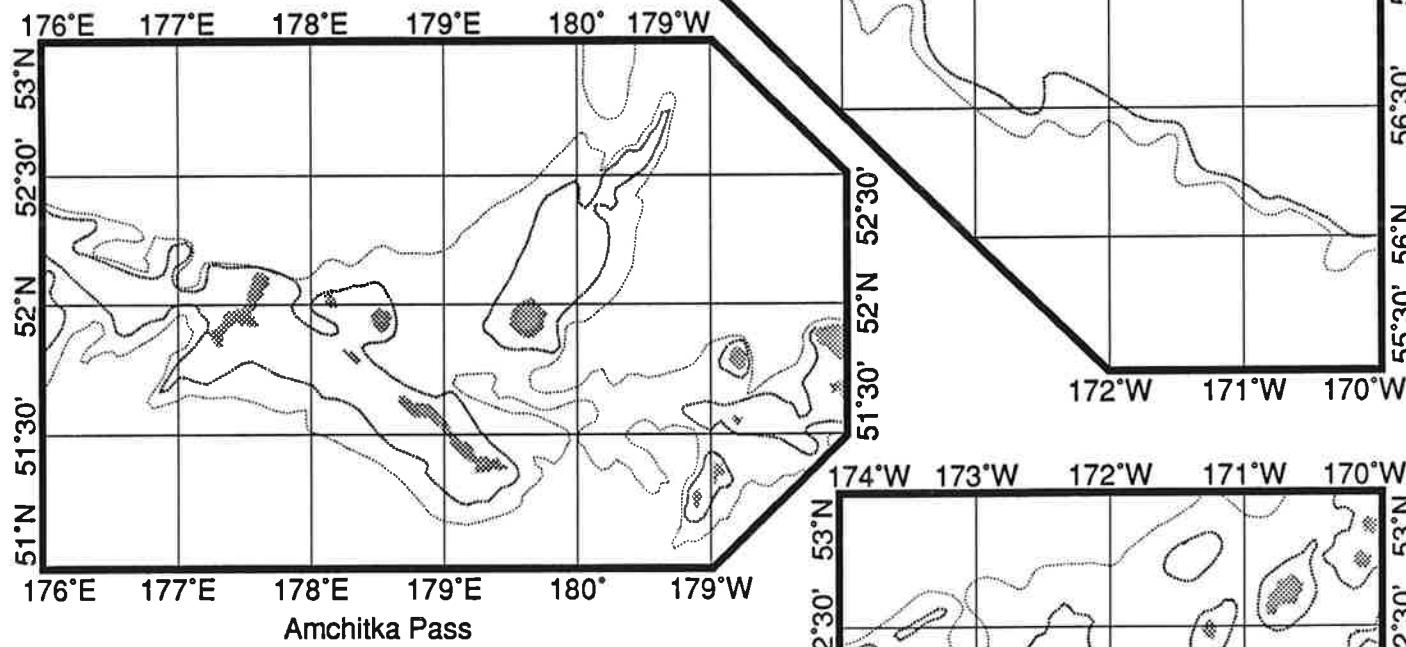
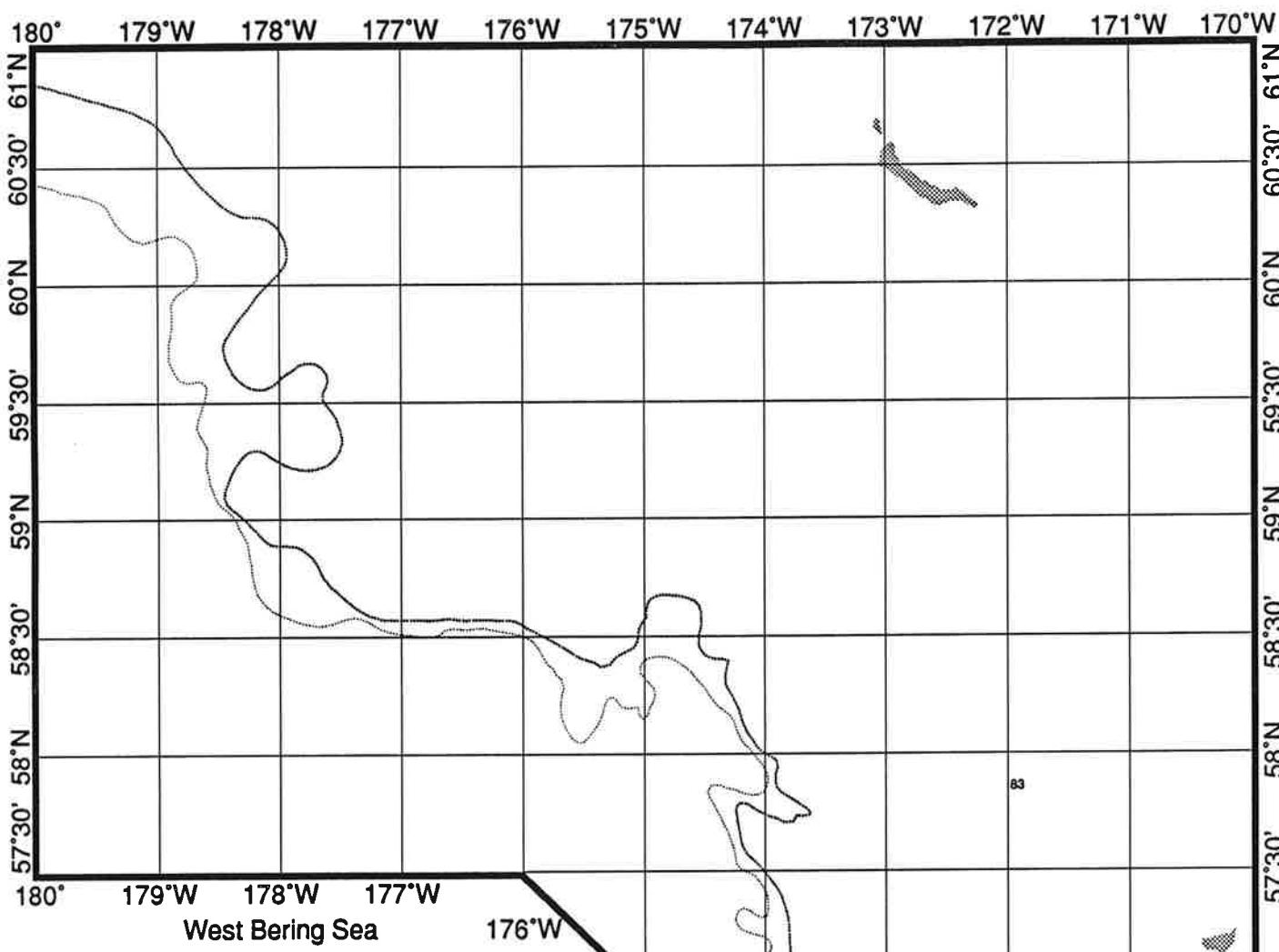
December
YELLOWFIN SOLE
Halibut Bycatch Rate



SECTION V

HERRING BYCATCH RATE CHARTS

V-2

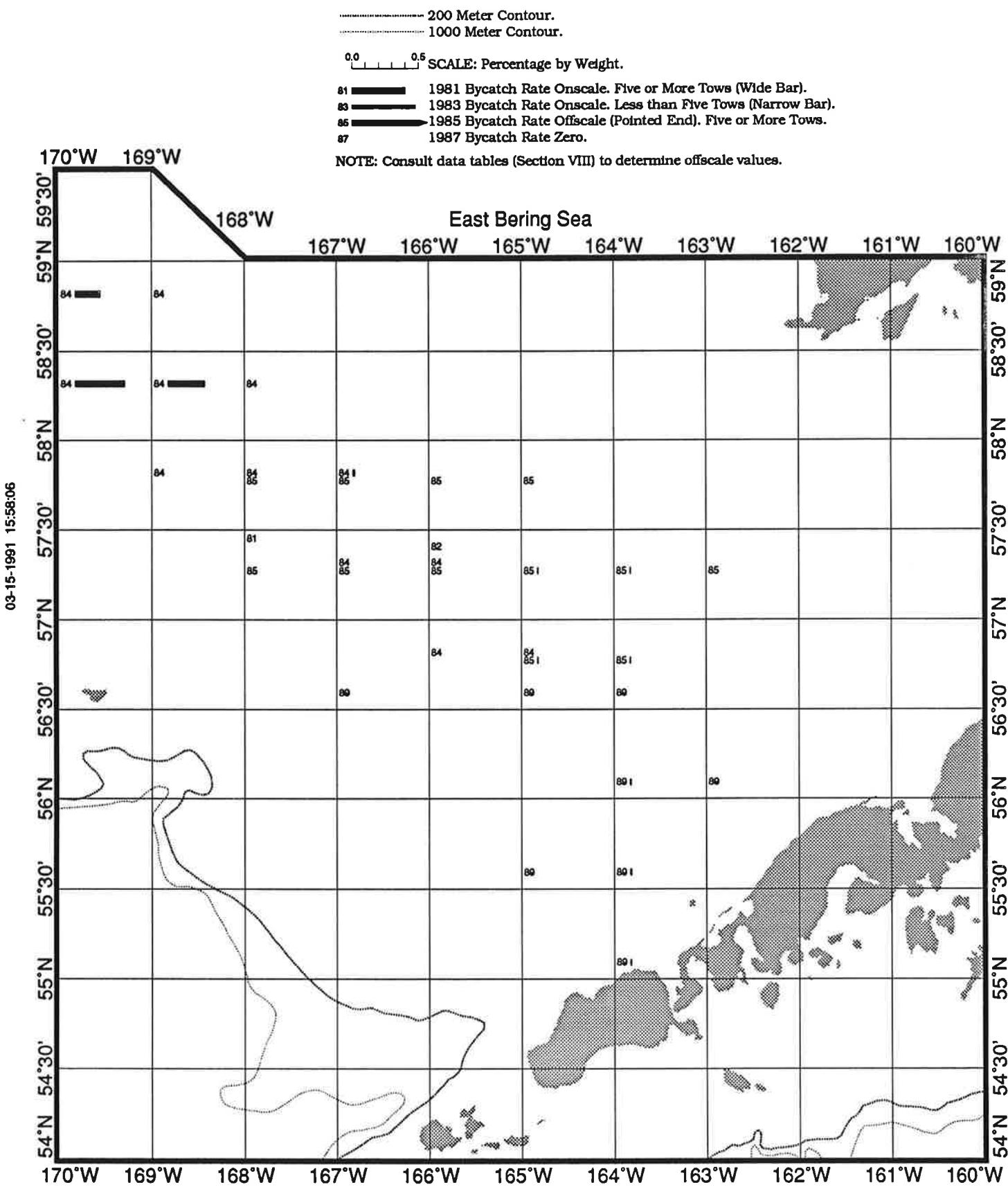


January
YELLOWFIN SOLE
Herring Bycatch Rate

Seguam Pass

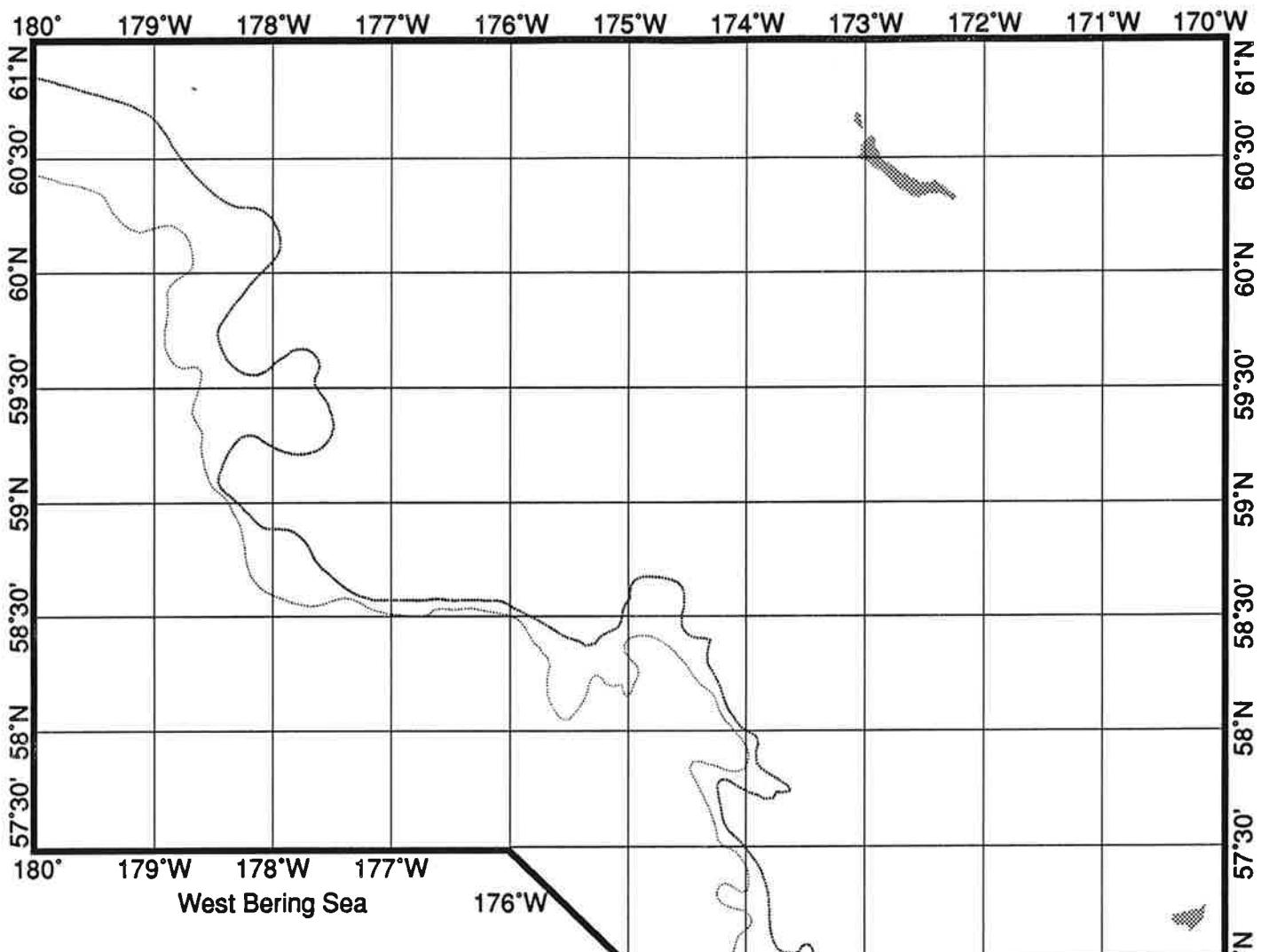
IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

January
YELLOWFIN SOLE
Herring Bycatch Rate

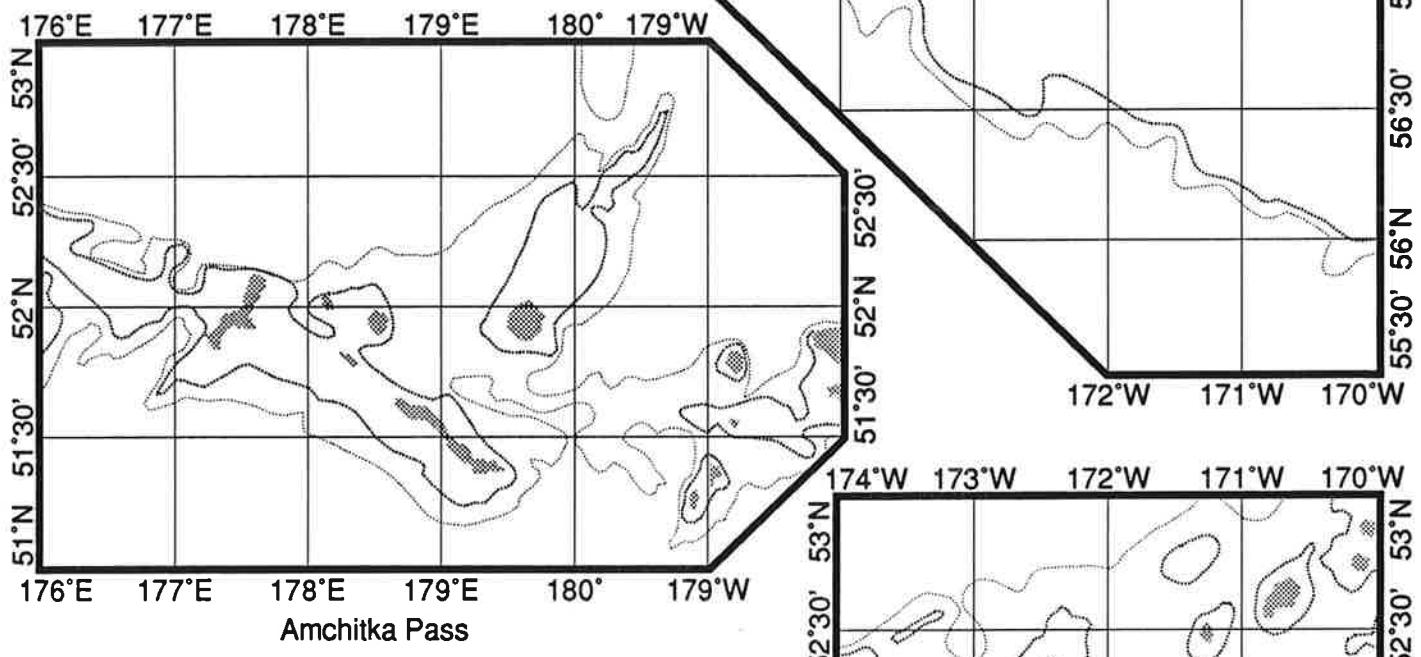


IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

V-4



03-16-1991 16:14:18



**February
YELLOWFIN SOLE
Herring Bycatch Rate**

Seguam Pass

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

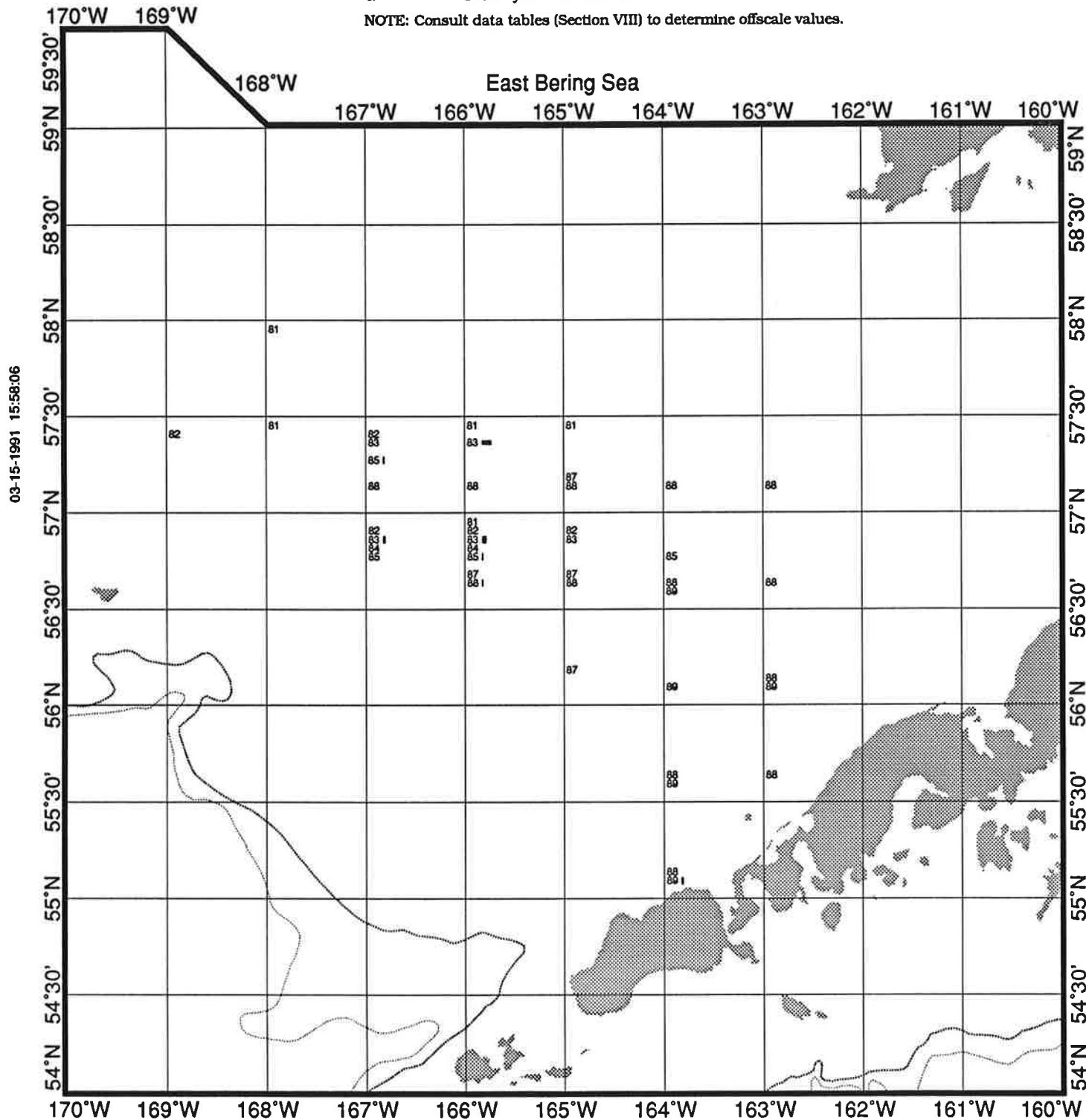
**February
YELLOWFIN SOLE
Herring Bycatch Rate**

200 Meter Contour.
1000 Meter Contour.

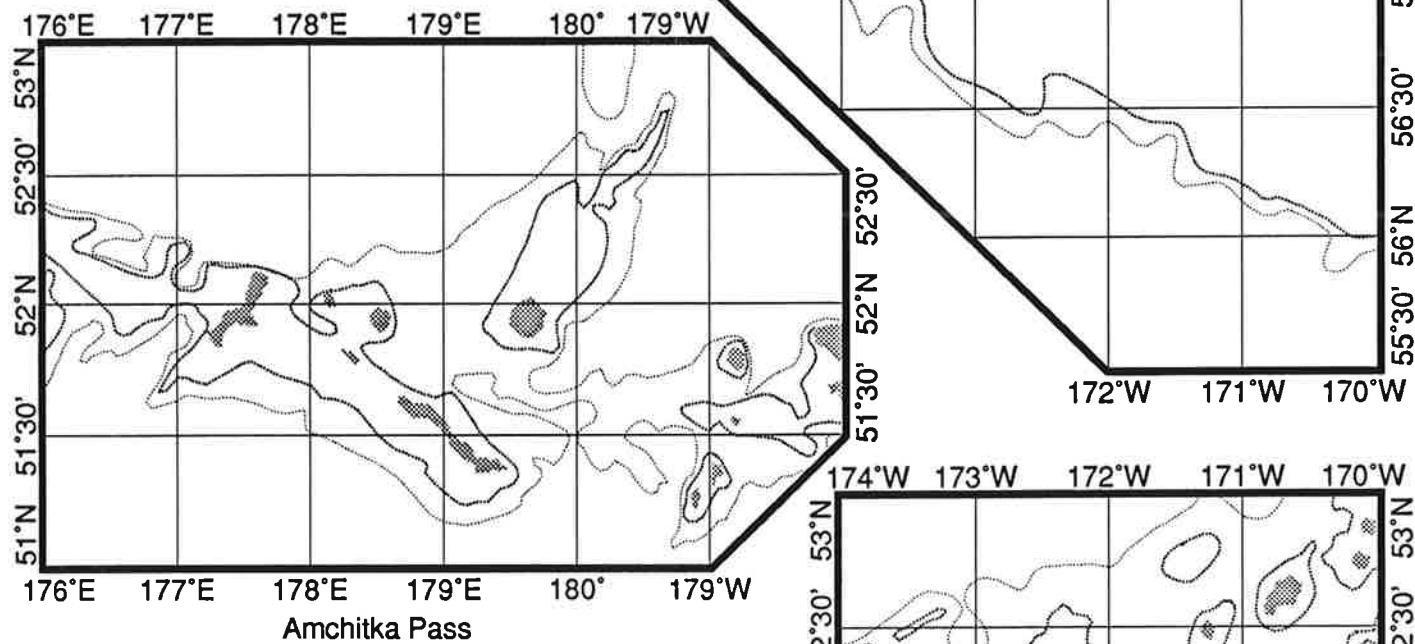
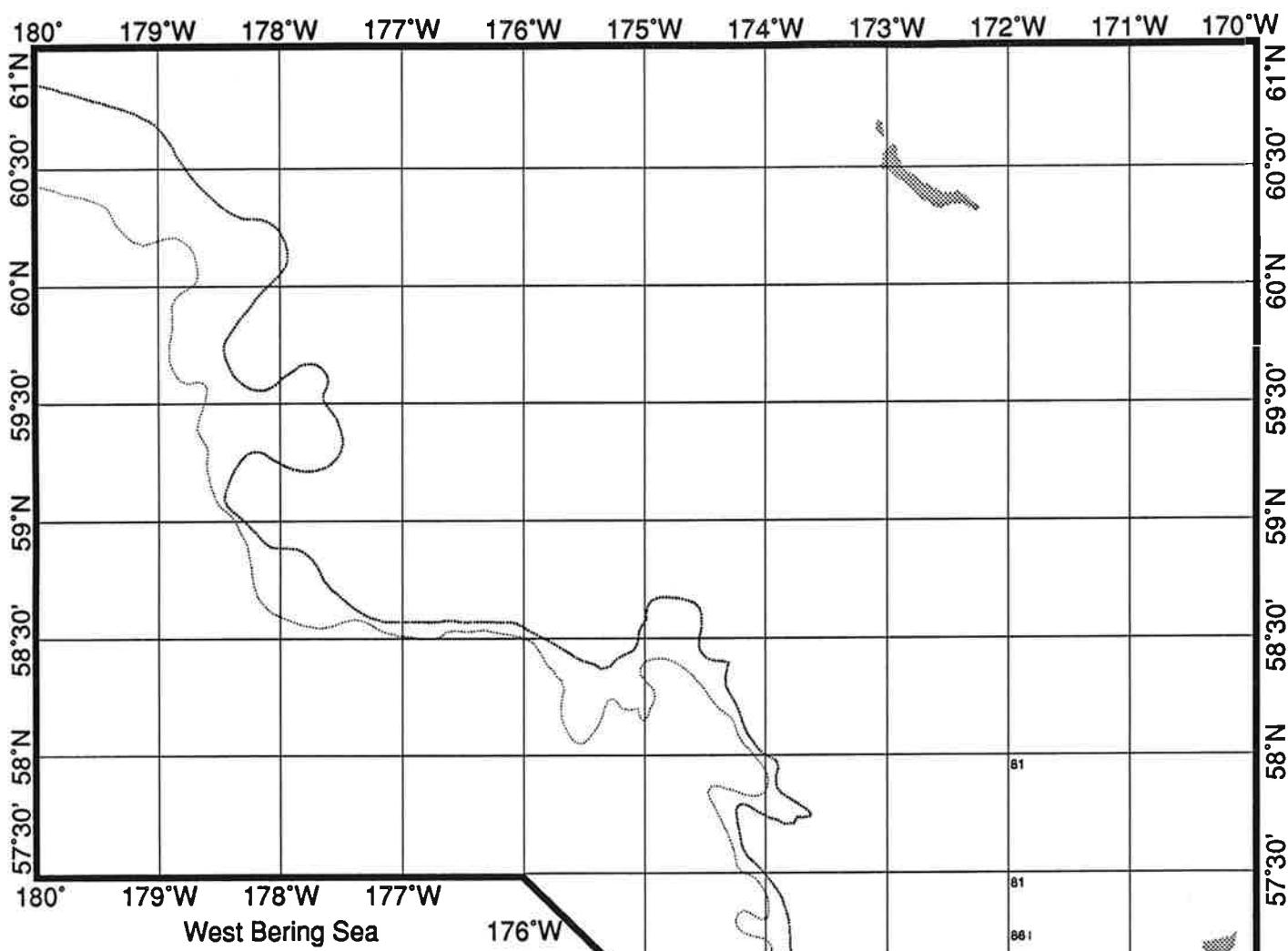
0.0 0.5 SCALE: Percentage by Weight.

- 81 ————— 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
- 83 ————— 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
- 85 ————— 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
- 87 ————— 1987 Bycatch Rate Zero.

NOTE: Consult data tables (Section VIII) to determine offscale values.

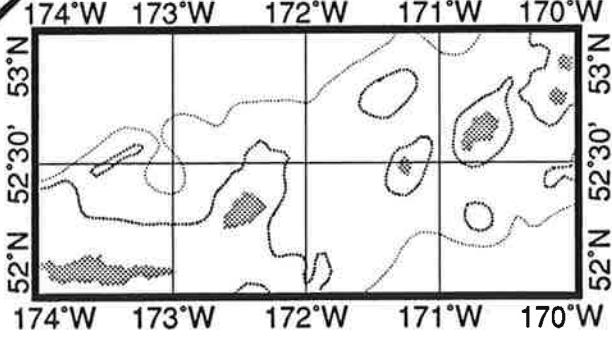


V-6



March
YELLOWFIN SOLE
Herring Bycatch Rate

Seguam Pass



IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

03-15-1991 15:58:06

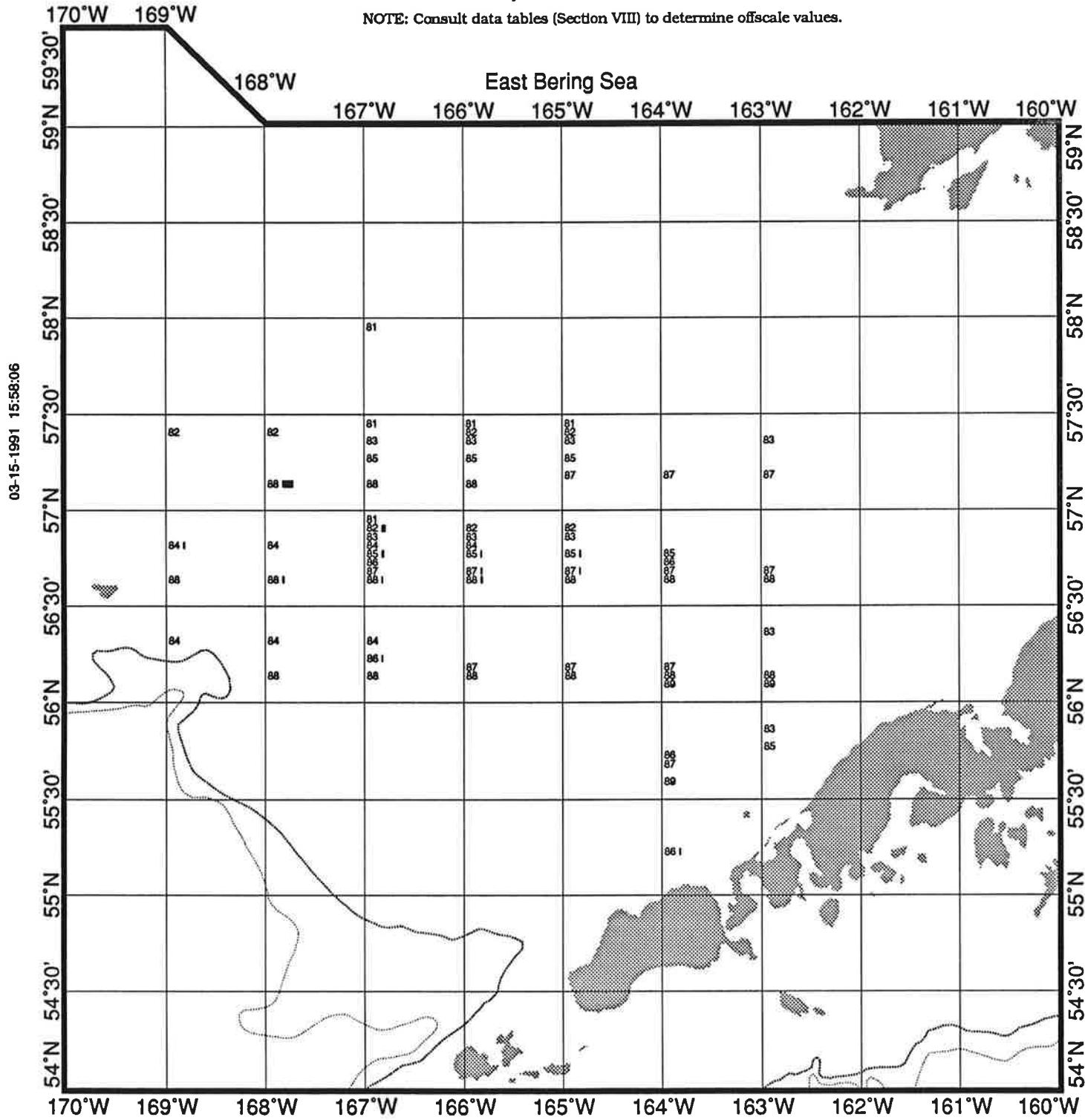
March YELLOWFIN SOLE Herring Bycatch Rate

200 Meter Contour.
1000 Meter Contour.

0.0 0.5 SCALE: Percentage by Weight.

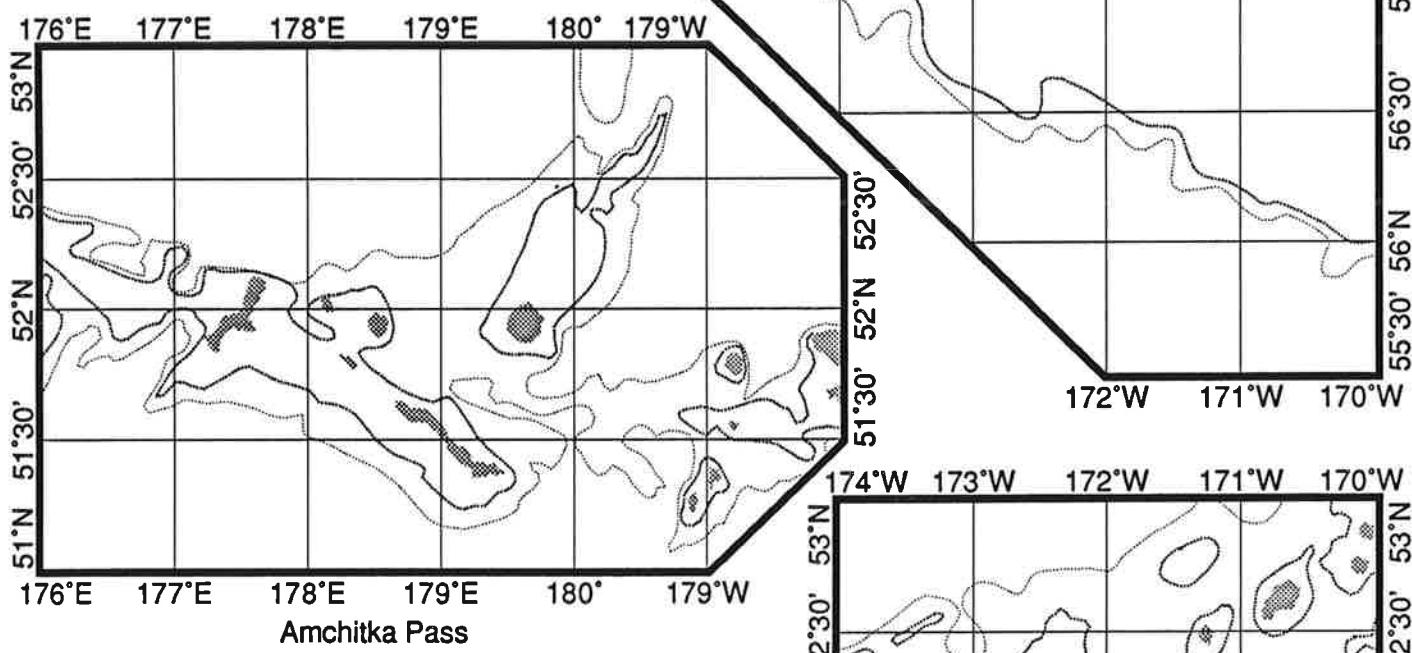
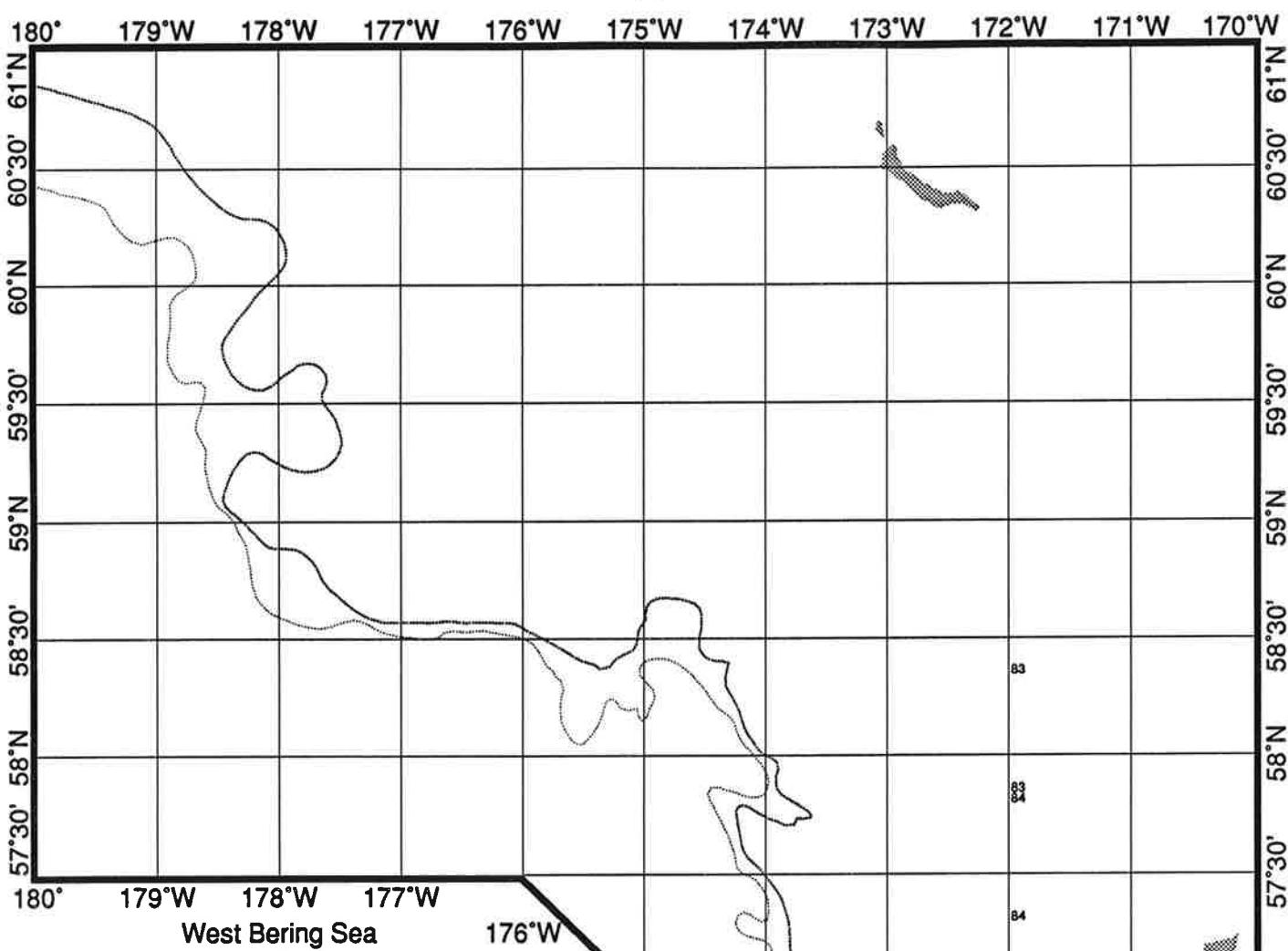
81 [REDACTED] 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
83 [REDACTED] 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
85 [REDACTED] 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
87 [REDACTED] 1987 Bycatch Rate Zero.

NOTE: Consult data tables (Section VIII) to determine offscale values.



IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

V-8



April
YELLOWFIN SOLE
Herring Bycatch Rate

Seguam Pass

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

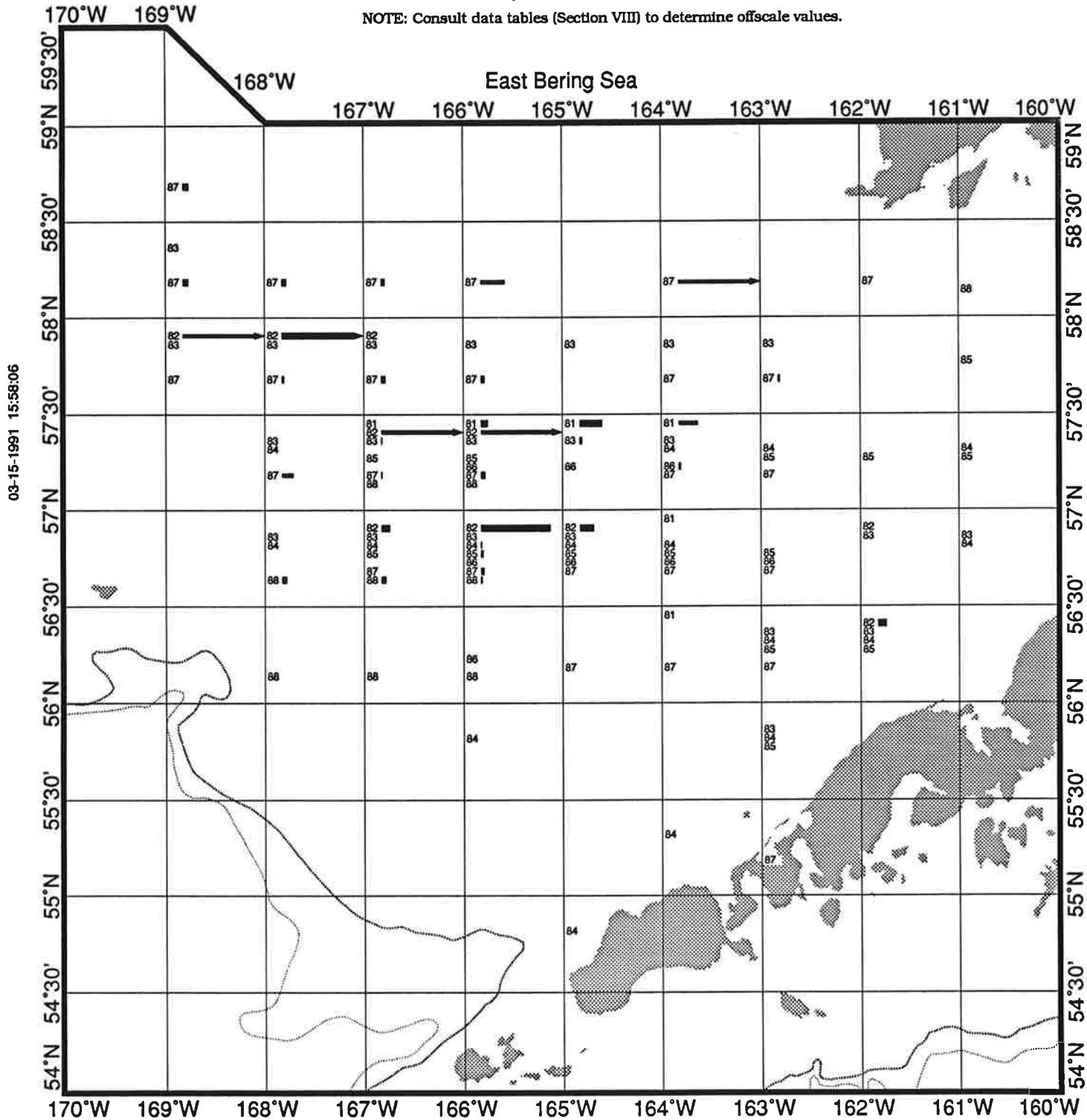
April
YELLOWFIN SOLE
Herring Bycatch Rate

..... 200 Meter Contour.
..... 1000 Meter Contour.

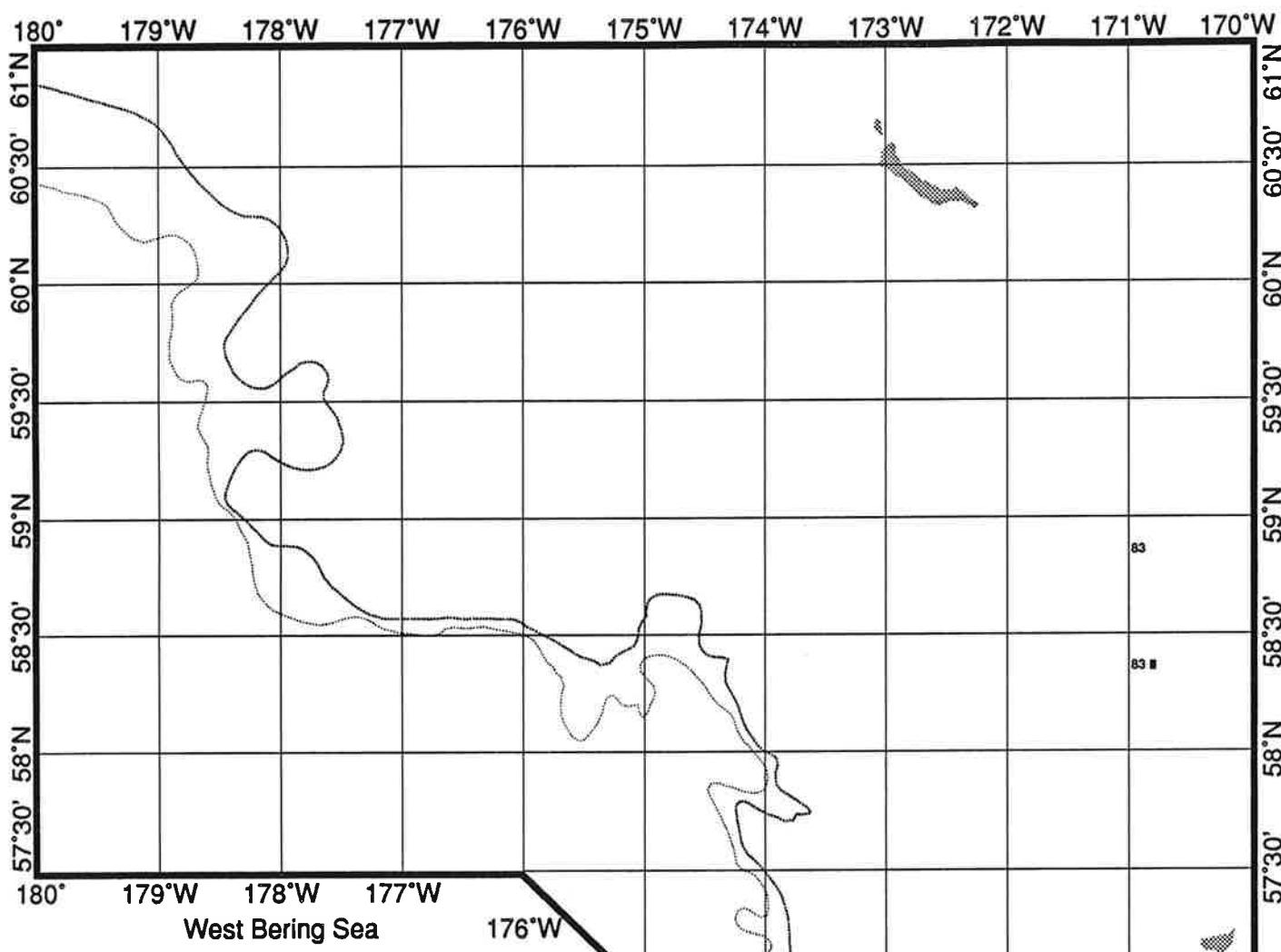
0.0 0.5 SCALE: Percentage by Weight.

- 81 ——— 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
- 83 ——— 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
- 85 ————— 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
- 87 —— 1987 Bycatch Rate Zero.

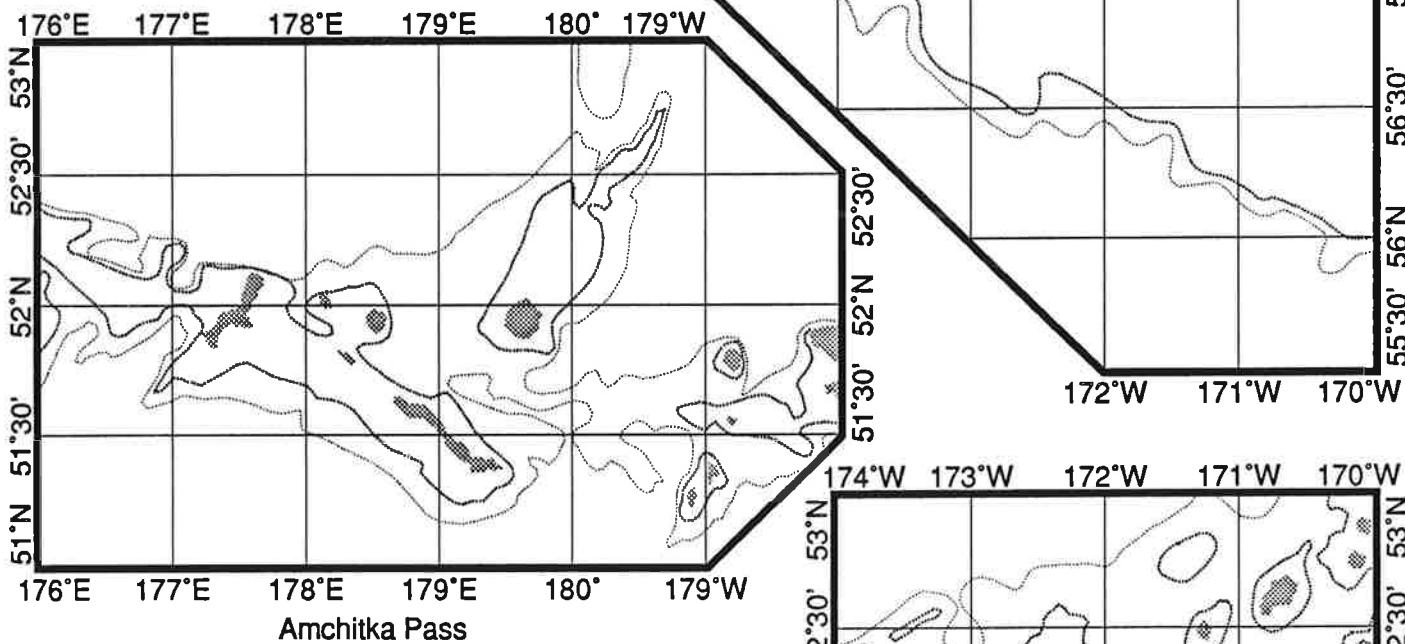
NOTE: Consult data tables (Section VIII) to determine offscale values.



V-10



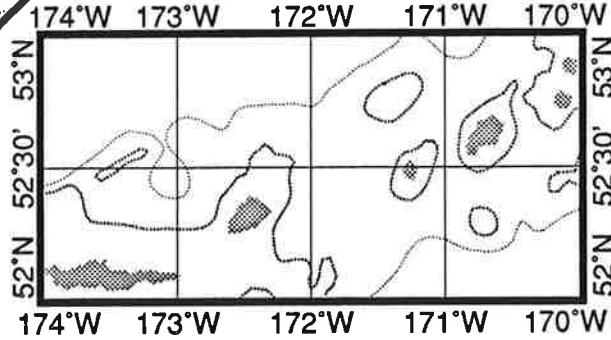
West Bering Sea



Amchitka Pass

Seguam Pass

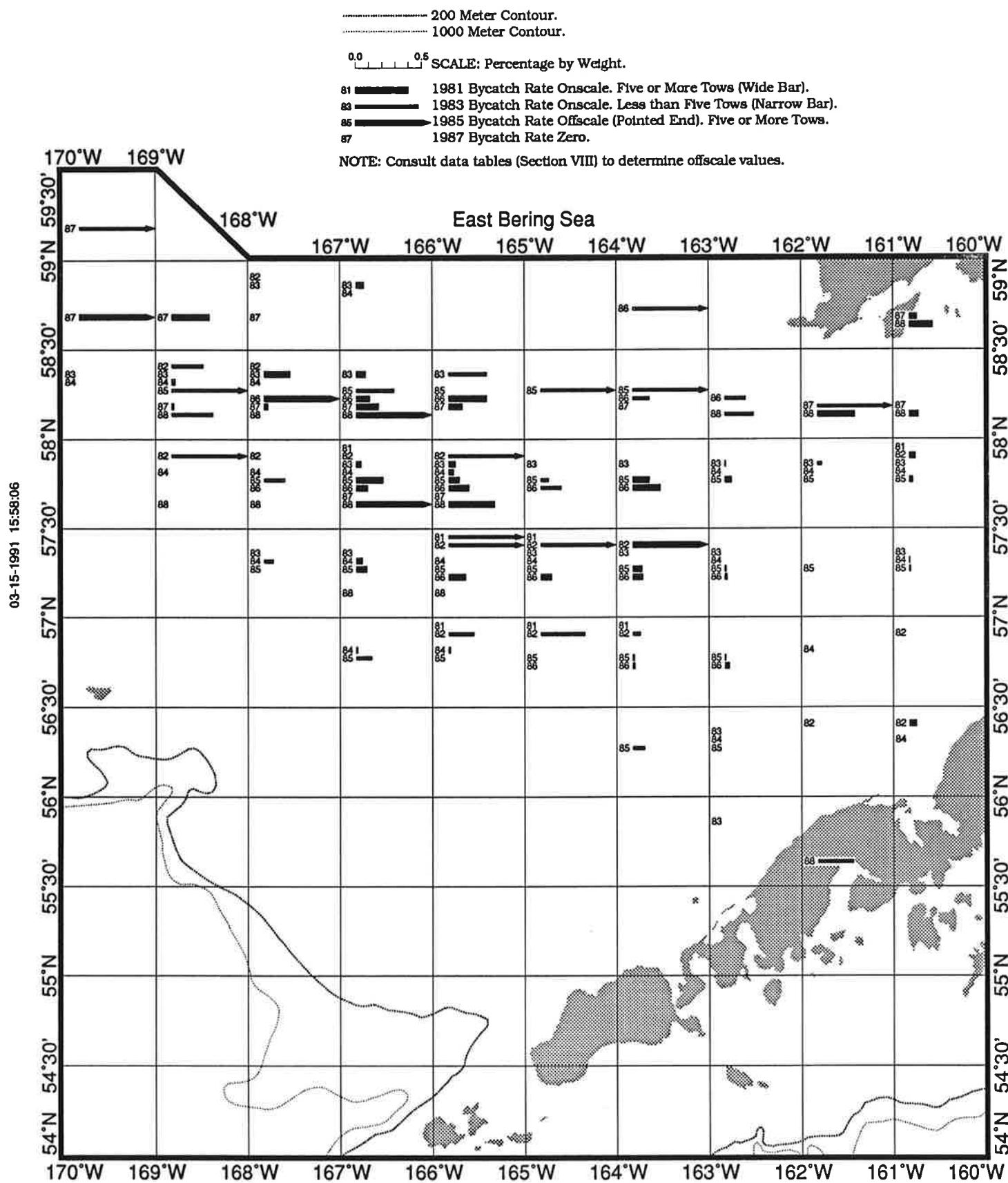
May
YELLOWFIN SOLE
Herring Bycatch Rate



IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

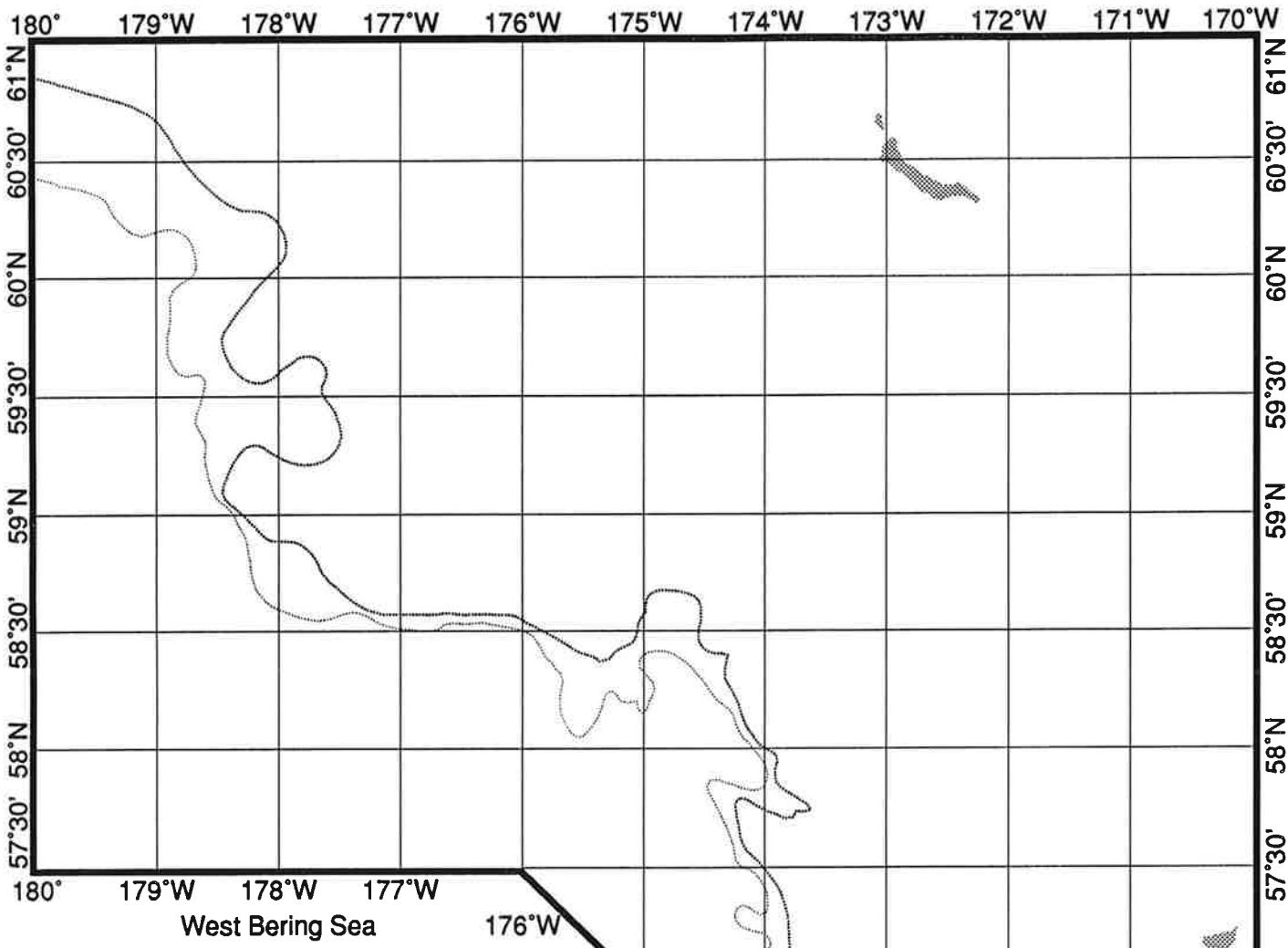
03-15-1991 15:58:06

May
YELLOWFIN SOLE
Herring Bycatch Rate

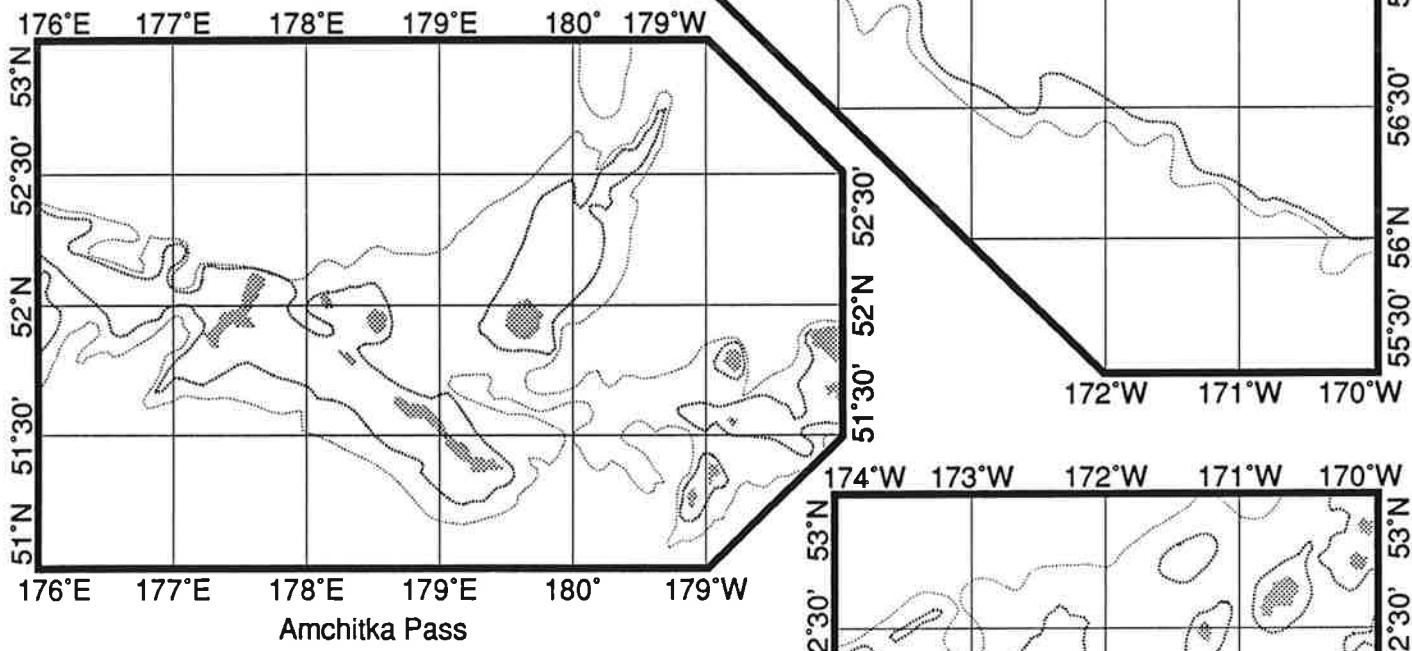


IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

V-12



03-16-1991 16:22:45

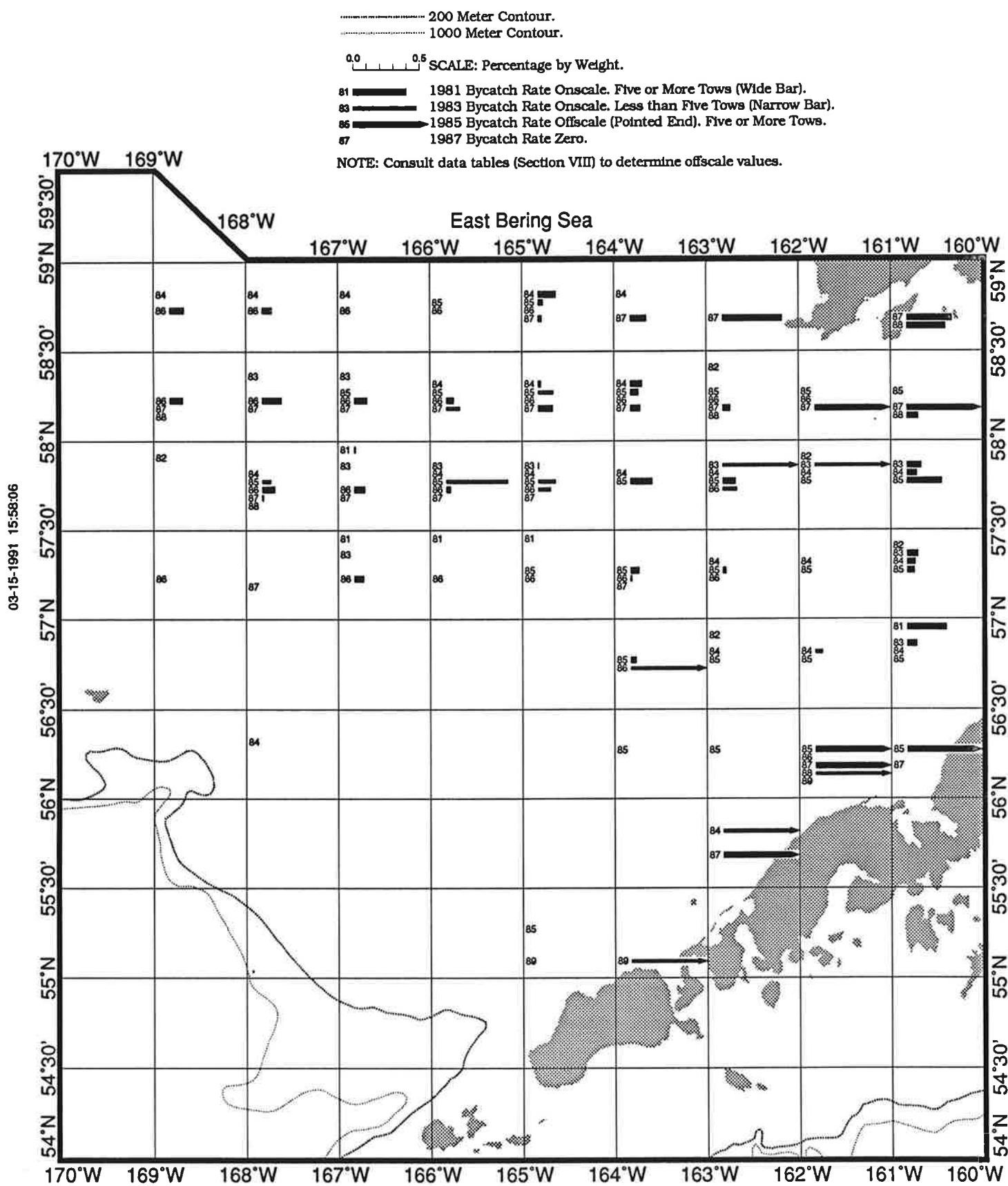


June YELLOWFIN SOLE Herring Bycatch Rate

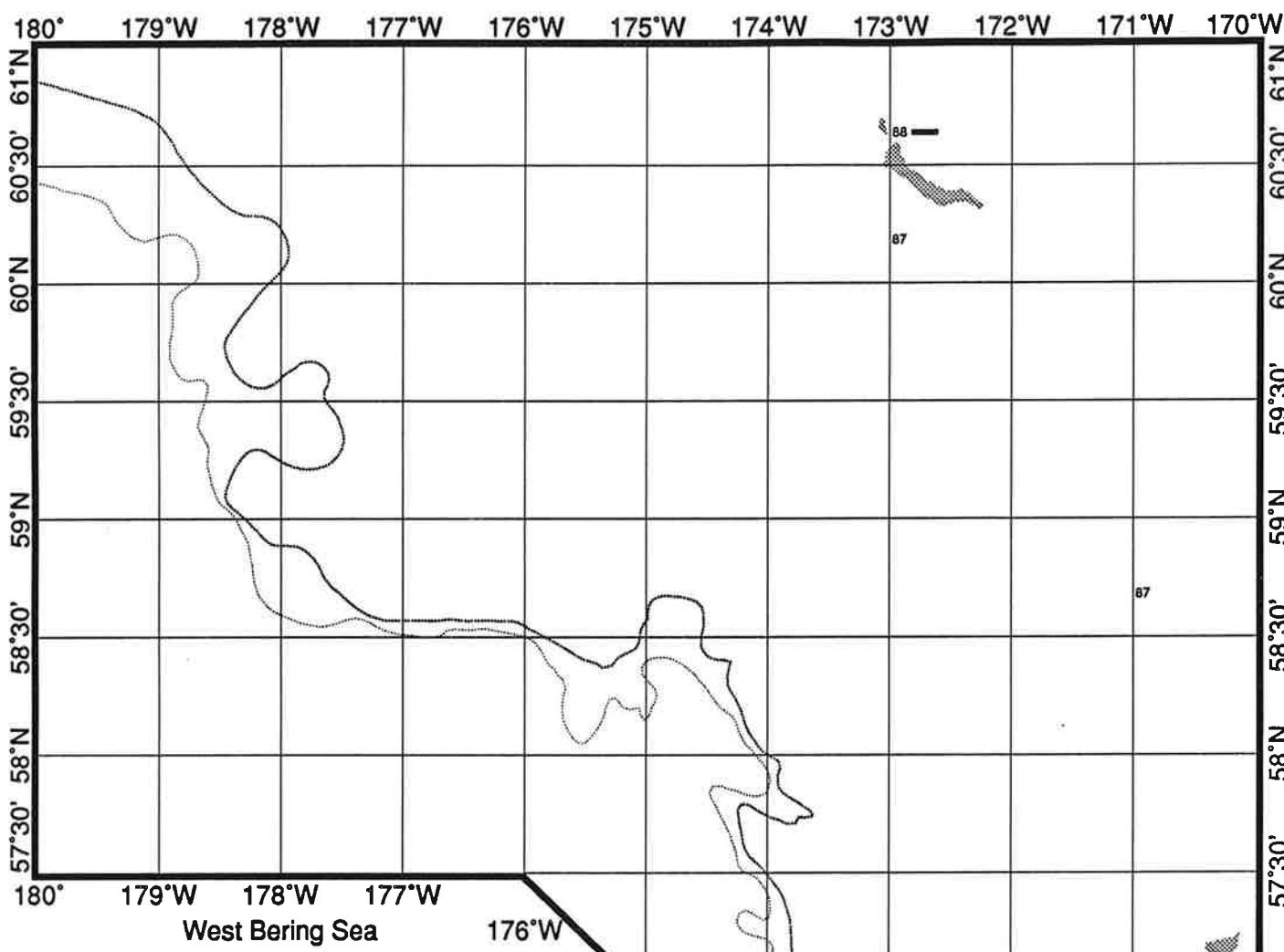
Seguam Pass

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

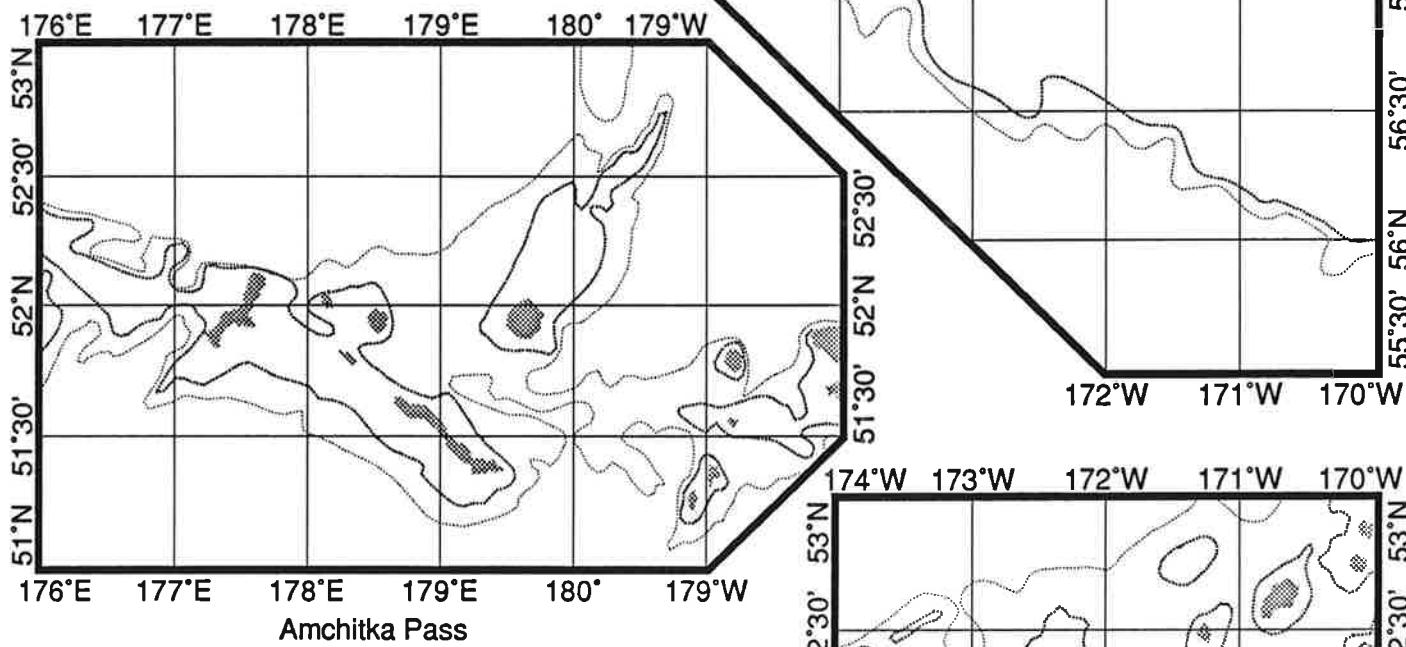
June
YELLOWFIN SOLE
Herring Bycatch Rate



V-14



03-15-1991 15:58:06



**July
YELLOWFIN SOLE
Herring Bycatch Rate**

Seguam Pass

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

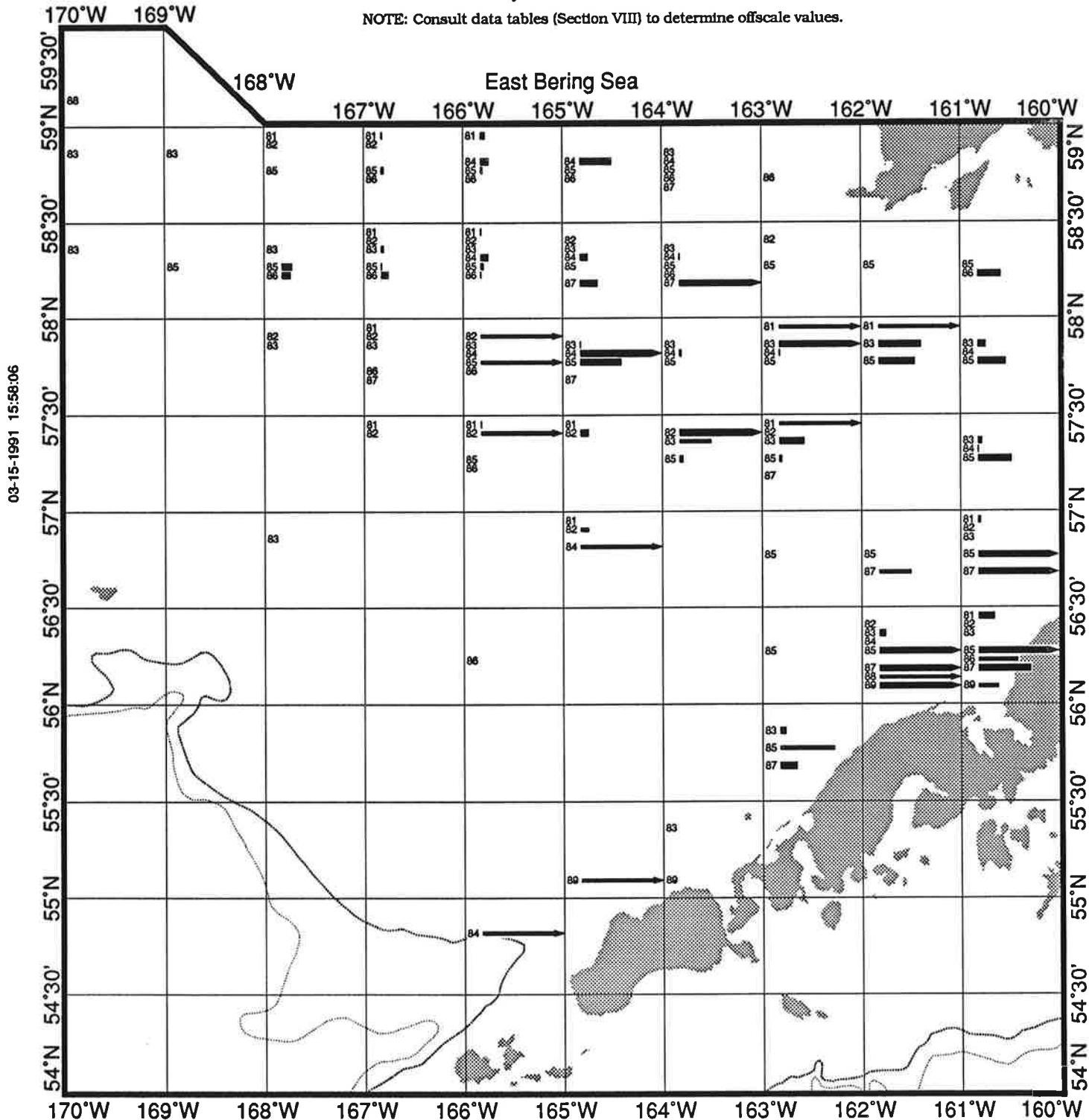
July
YELLOWFIN SOLE
Herring Bycatch Rate

200 Meter Contour.
 1000 Meter Contour.

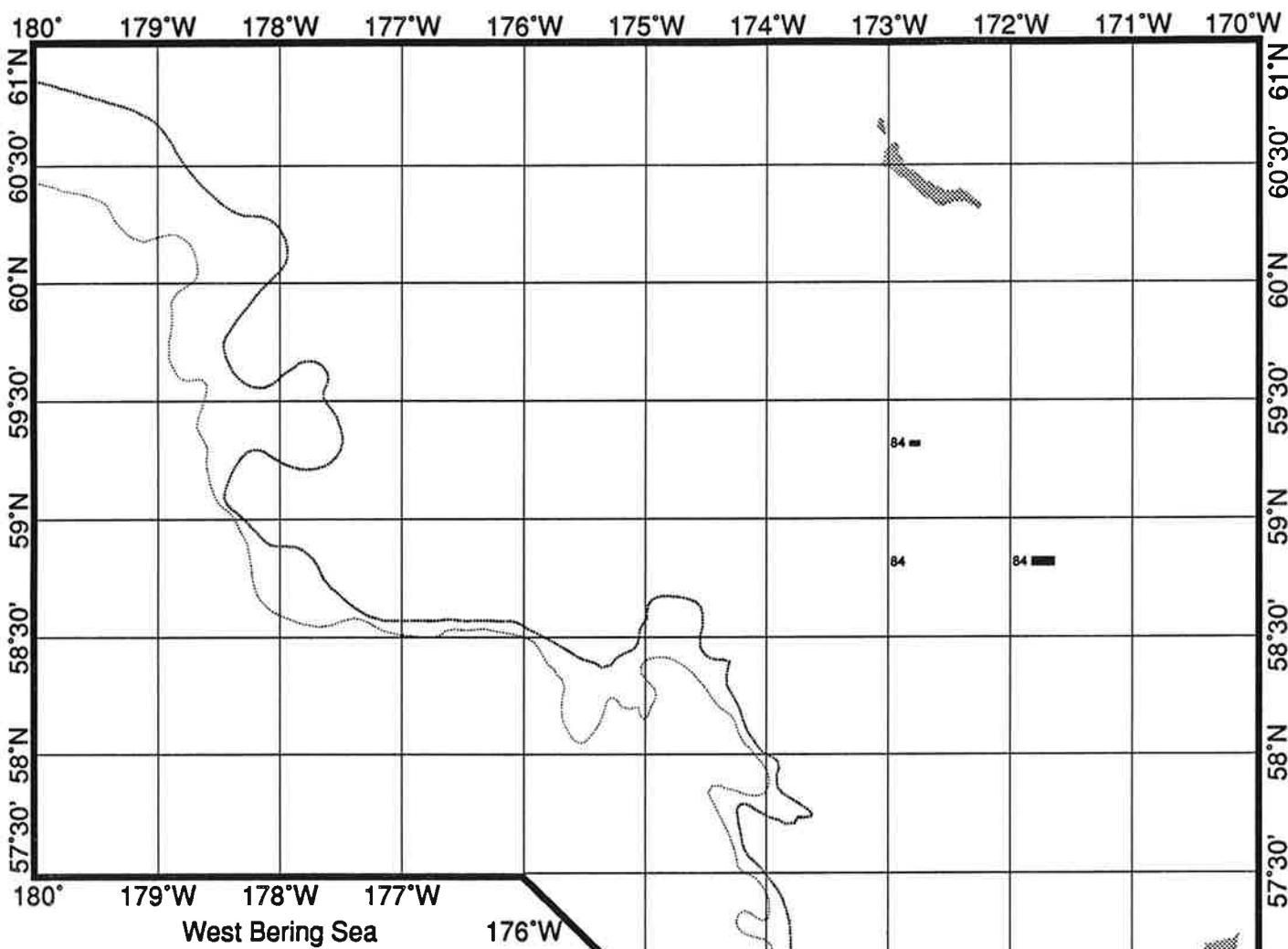
0.0 0.5 SCALE: Percentage by Weight.

- 81 — 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
- 83 — 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
- 85 — 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
- 87 — 1987 Bycatch Rate Zero.

NOTE: Consult data tables (Section VIII) to determine offscale values.

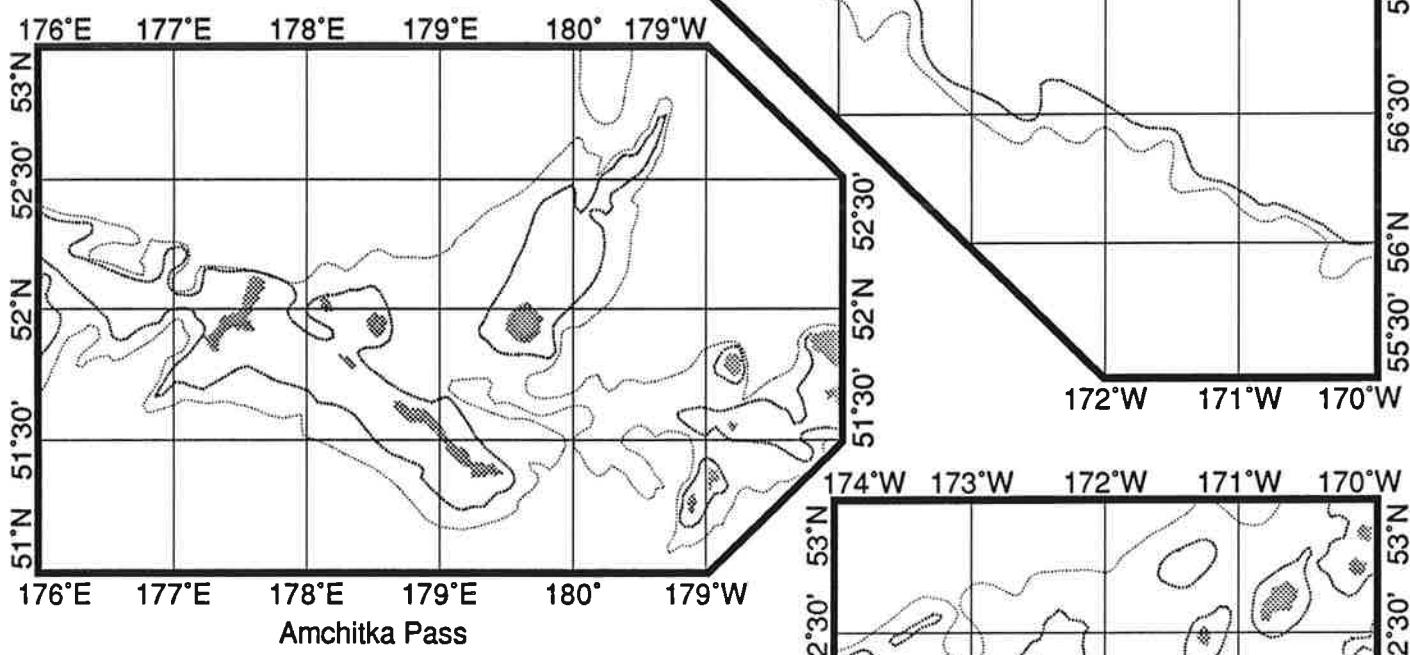


V-16



West Bering Sea

03-15-1991 15:58:06



August
YELLOWFIN SOLE
Herring Bycatch Rate

Seguam Pass

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

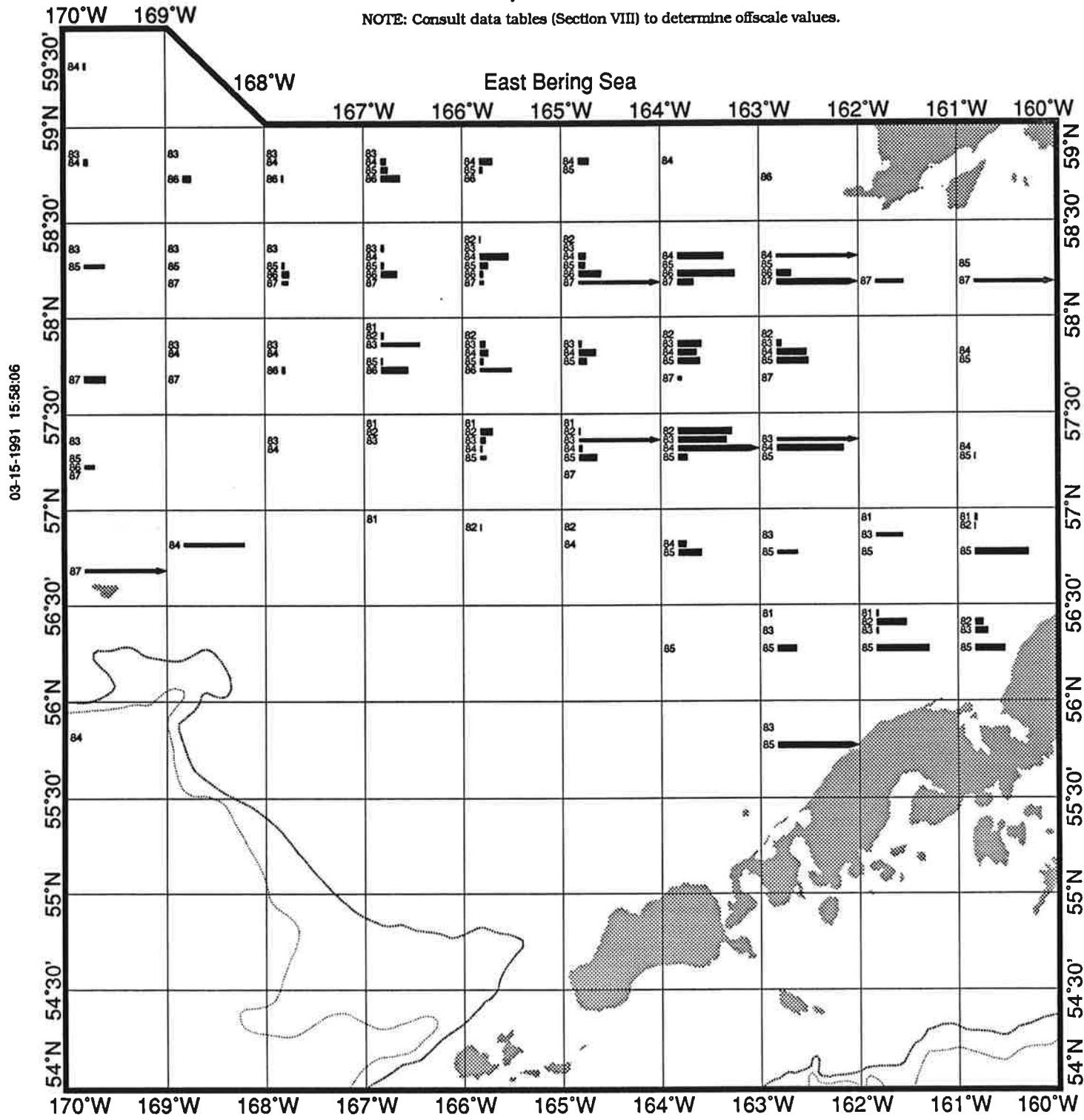
**August
YELLOWFIN SOLE
Herring Bycatch Rate**

..... 200 Meter Contour.
..... 1000 Meter Contour.

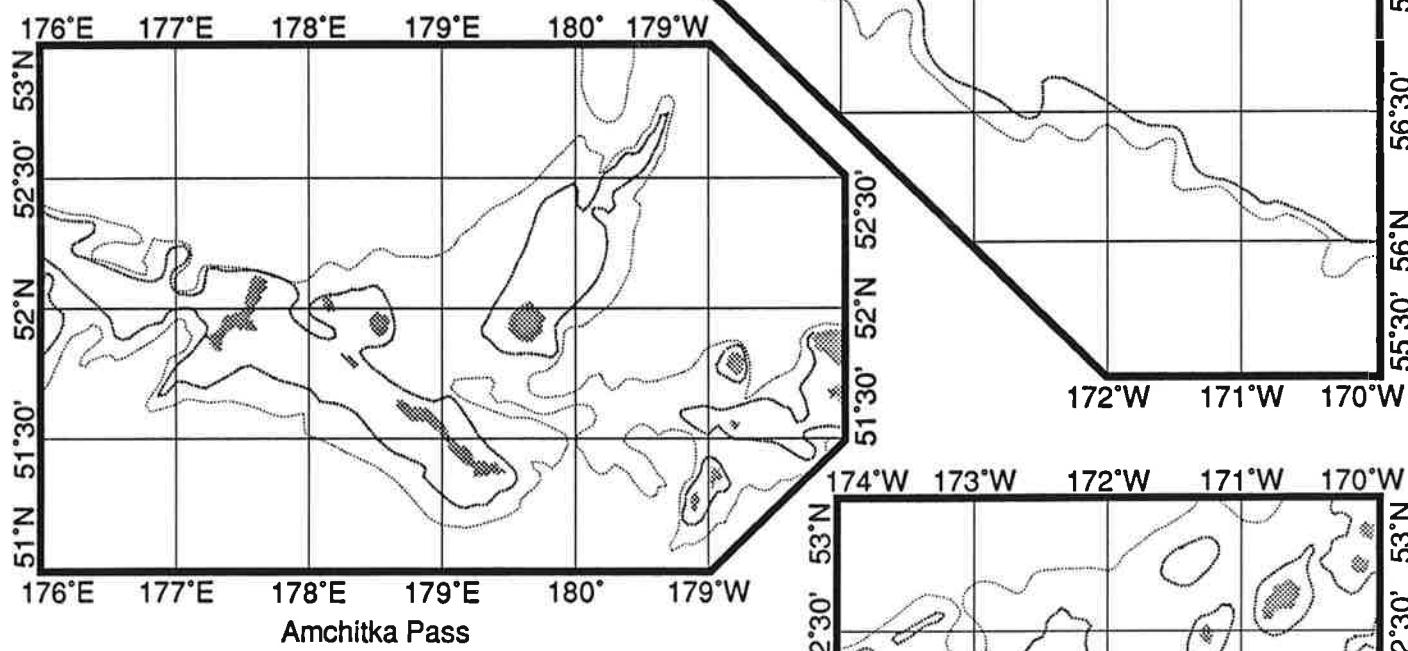
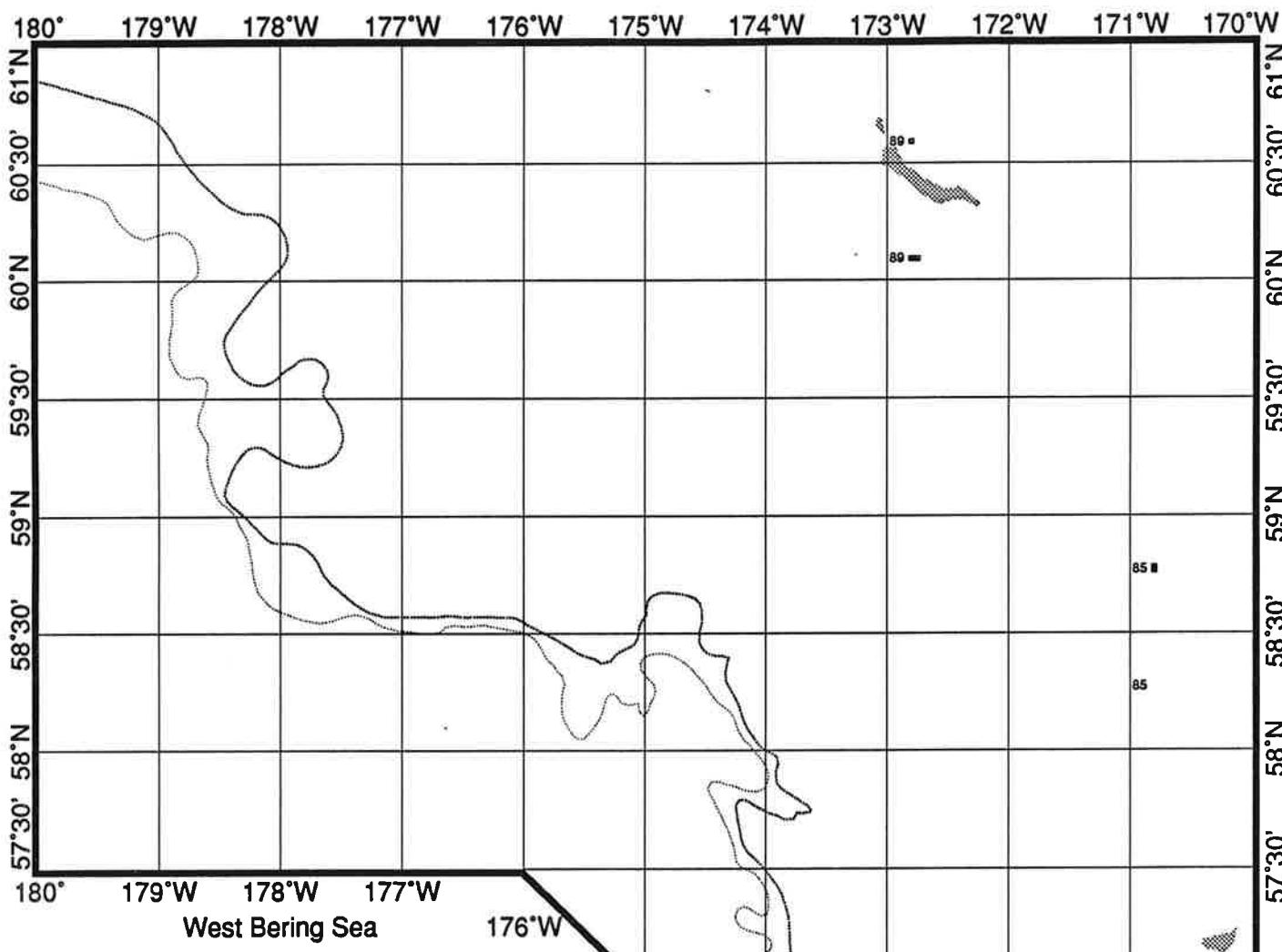
0.0 0.5
SCALE: Percentage by Weight.

- 81 ——— 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
- 83 ——— 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
- 85 ——▲— 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
- 87 ——●— 1987 Bycatch Rate Zero.

NOTE: Consult data tables (Section VIII) to determine offscale values.



V-18



September
YELLOWFIN SOLE
Herring Bycatch Rate

Seguam Pass

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

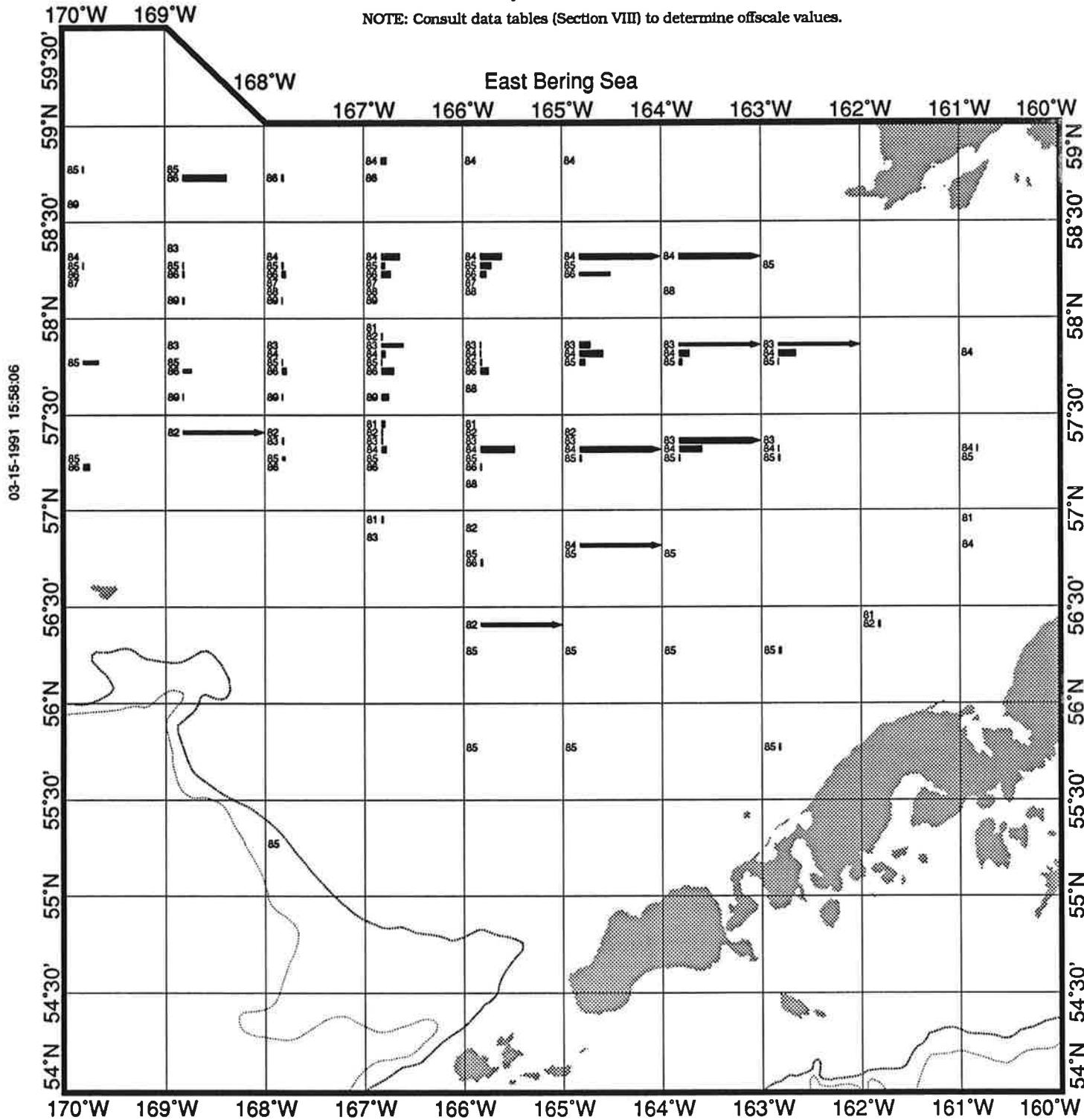
September YELLOWFIN SOLE Herring Bycatch Rate

..... 200 Meter Contour.
..... 1000 Meter Contour.

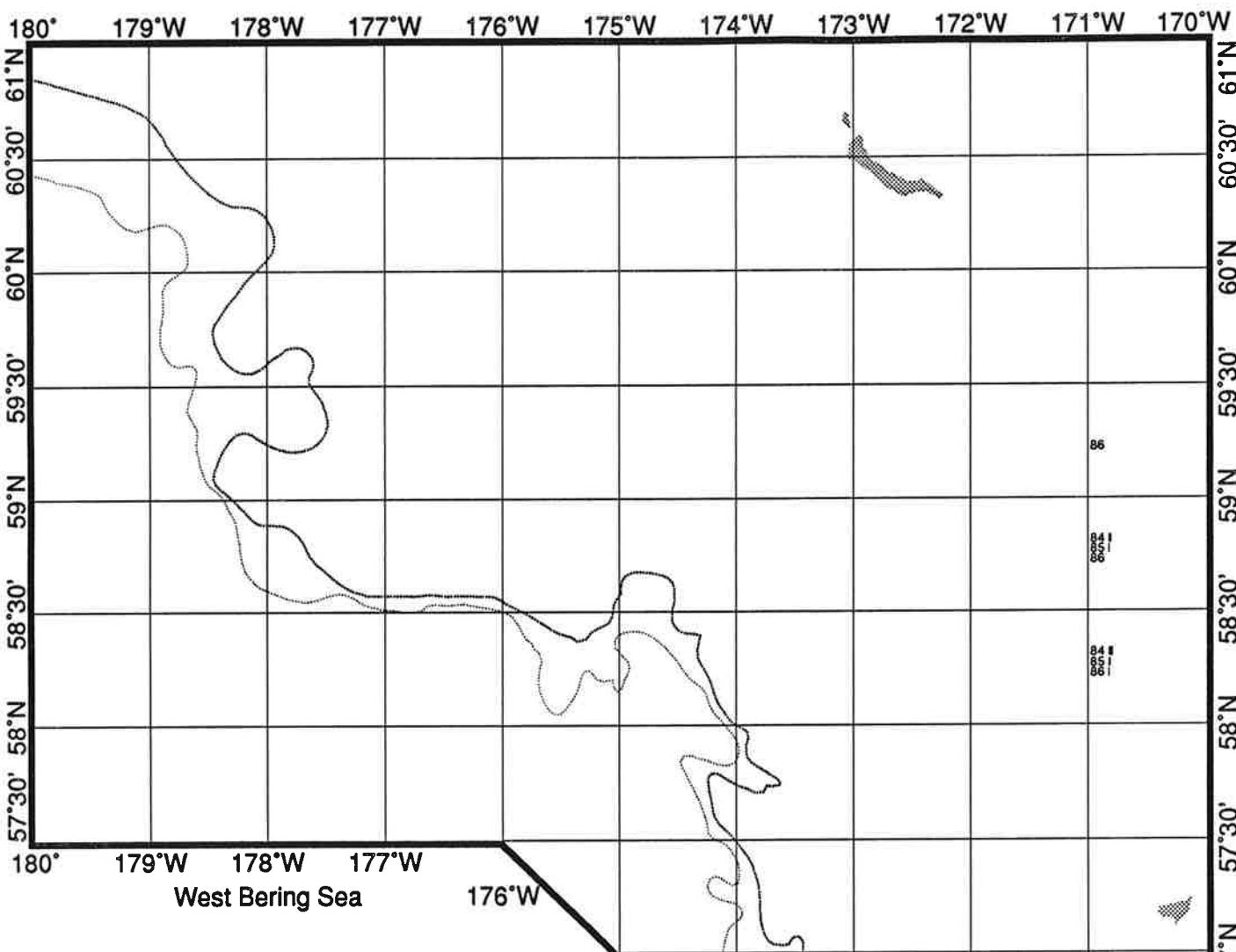
0.0 0.5 SCALE: Percentage by Weight.

- 81 ——— 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
- 83 ——— 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
- 85 ————— 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
- 87 —— 1987 Bycatch Rate Zero.

NOTE: Consult data tables (Section VIII) to determine offscale values.



V-20



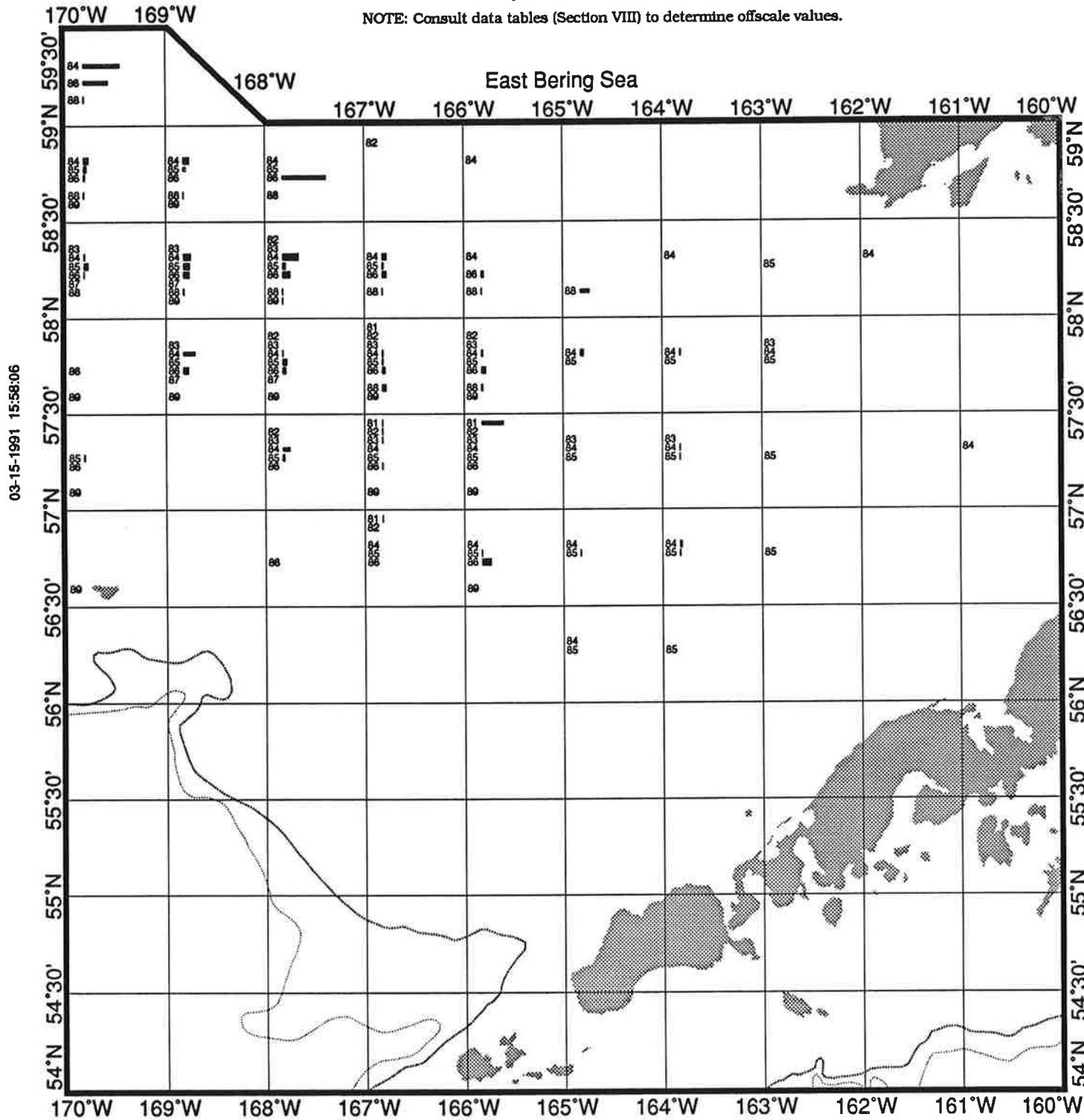
**October
YELLOWFIN SOLE
Herring Bycatch Rate**

200 Meter Contour.
1000 Meter Contour.

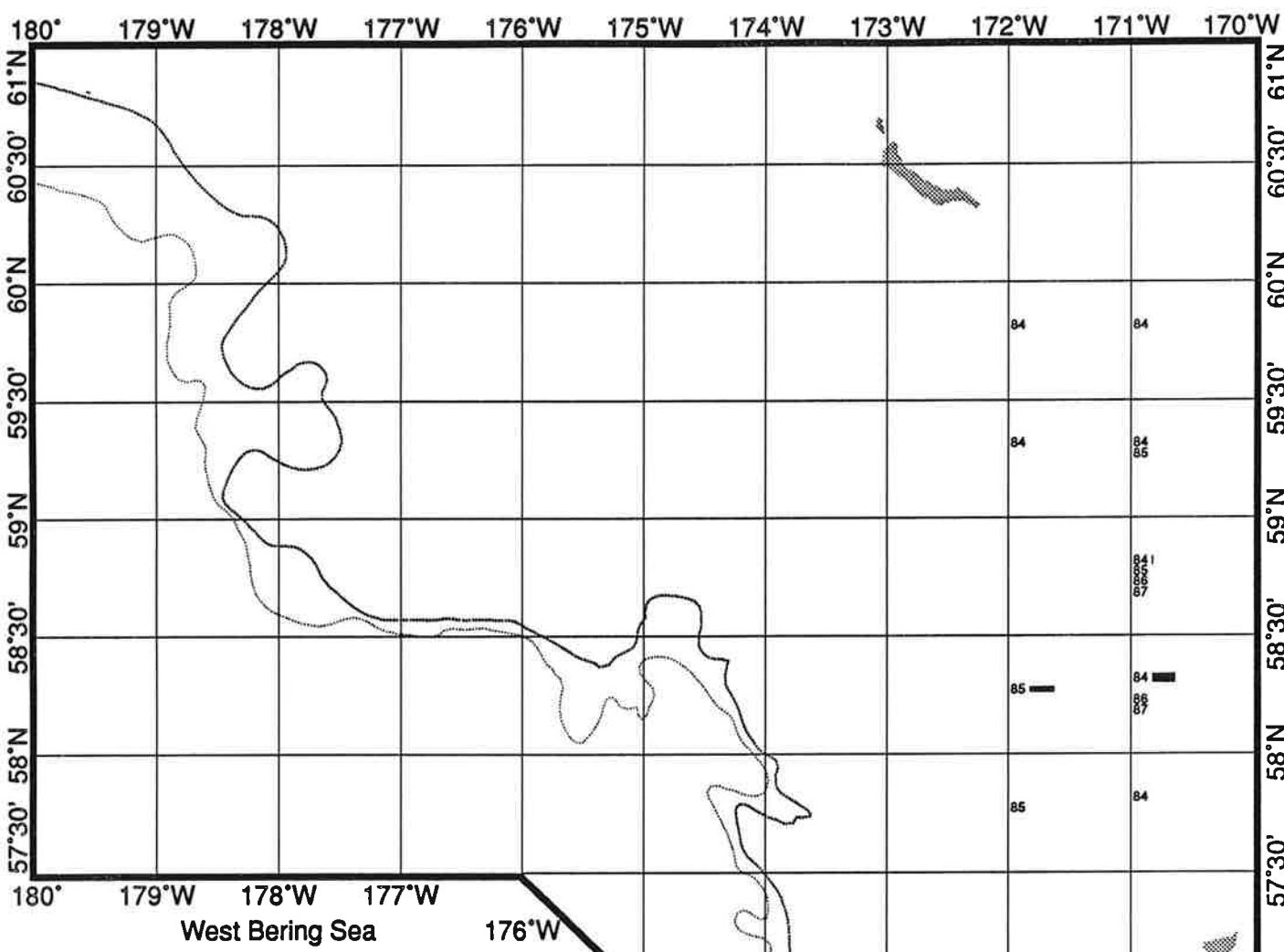
0.0 0.5 SCALE: Percentage by Weight.

- 81 — 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
- 83 — 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
- 85 — 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
- 87 — 1987 Bycatch Rate Zero.

NOTE: Consult data tables (Section VIII) to determine offscale values.



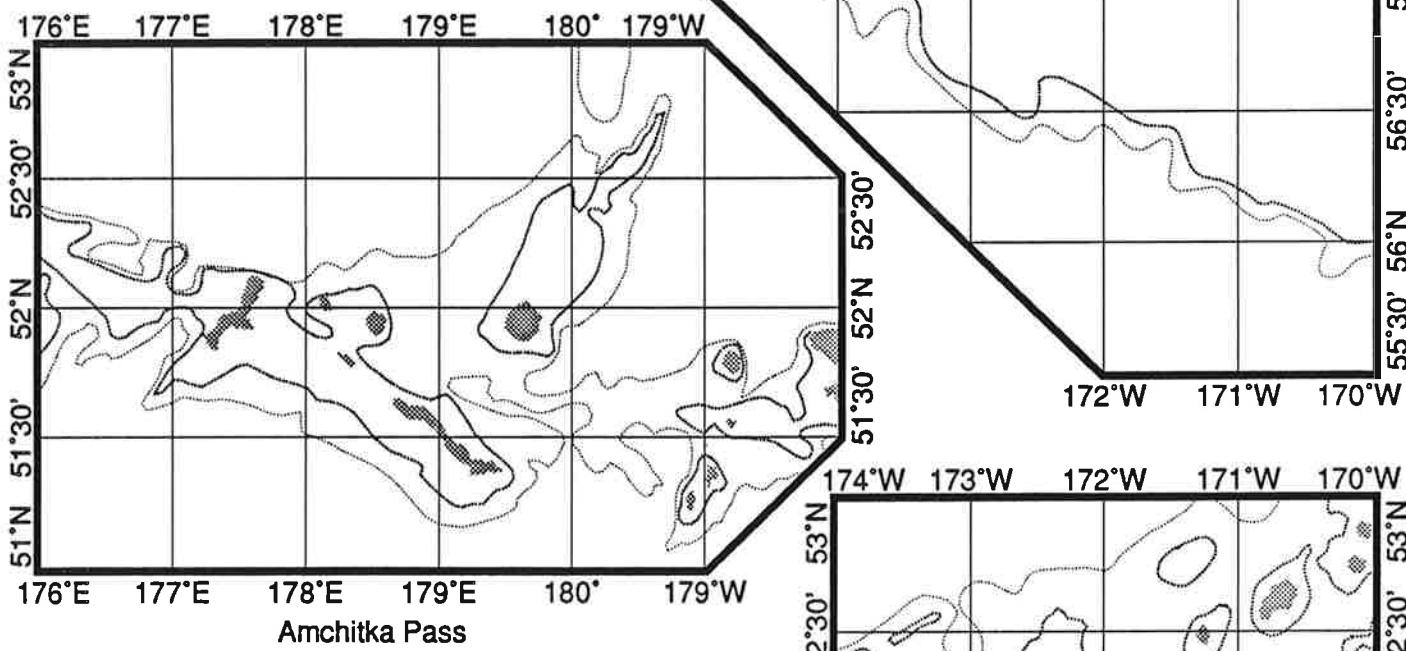
V-22



West Bering Sea

176°W

03-15-1991 15:58:06



Amchitka Pass

Seguam Pass

November
YELLOWFIN SOLE
Herring Bycatch Rate

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

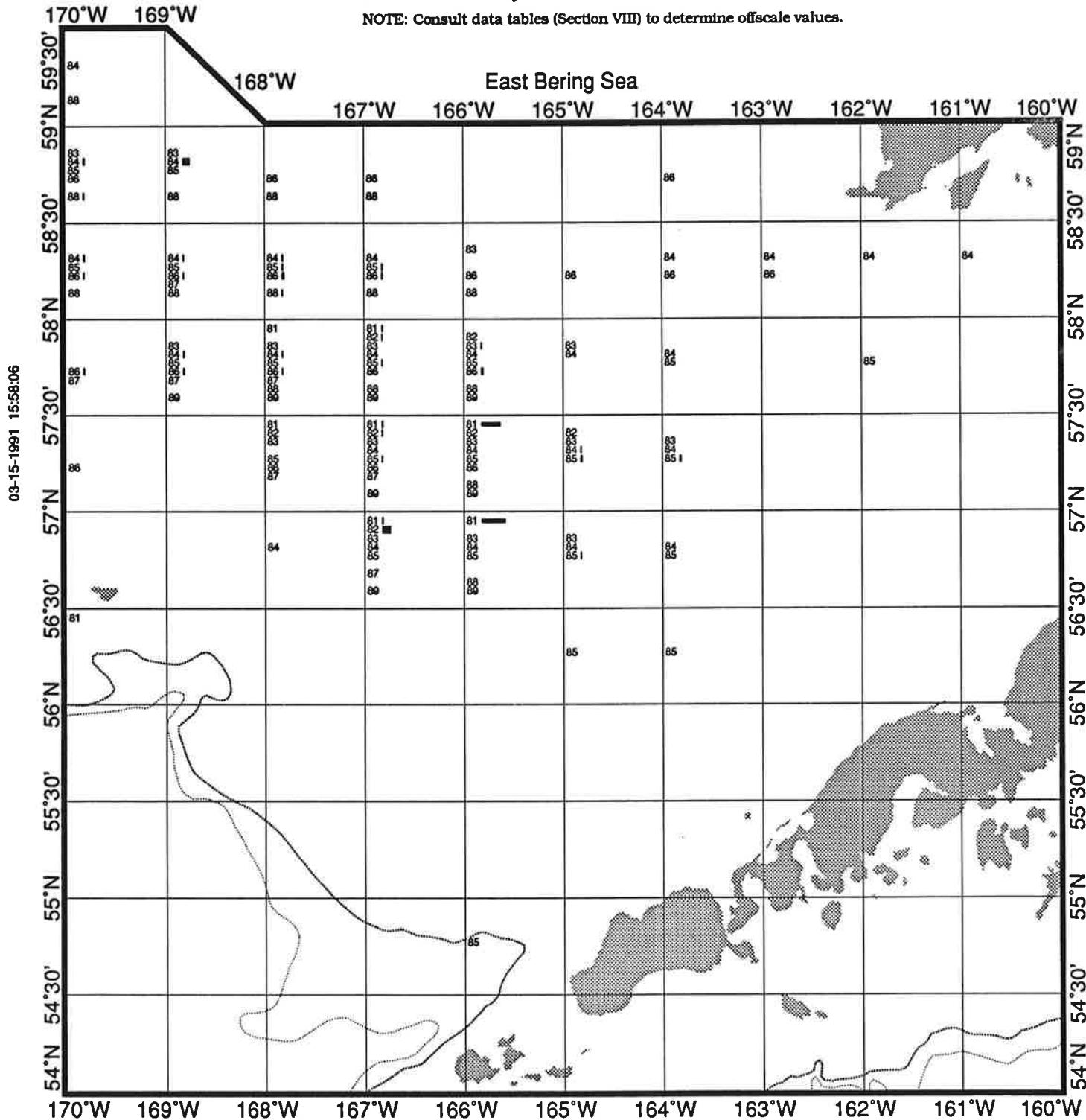
November
YELLOWFIN SOLE
Herring Bycatch Rate

200 Meter Contour.
 1000 Meter Contour.

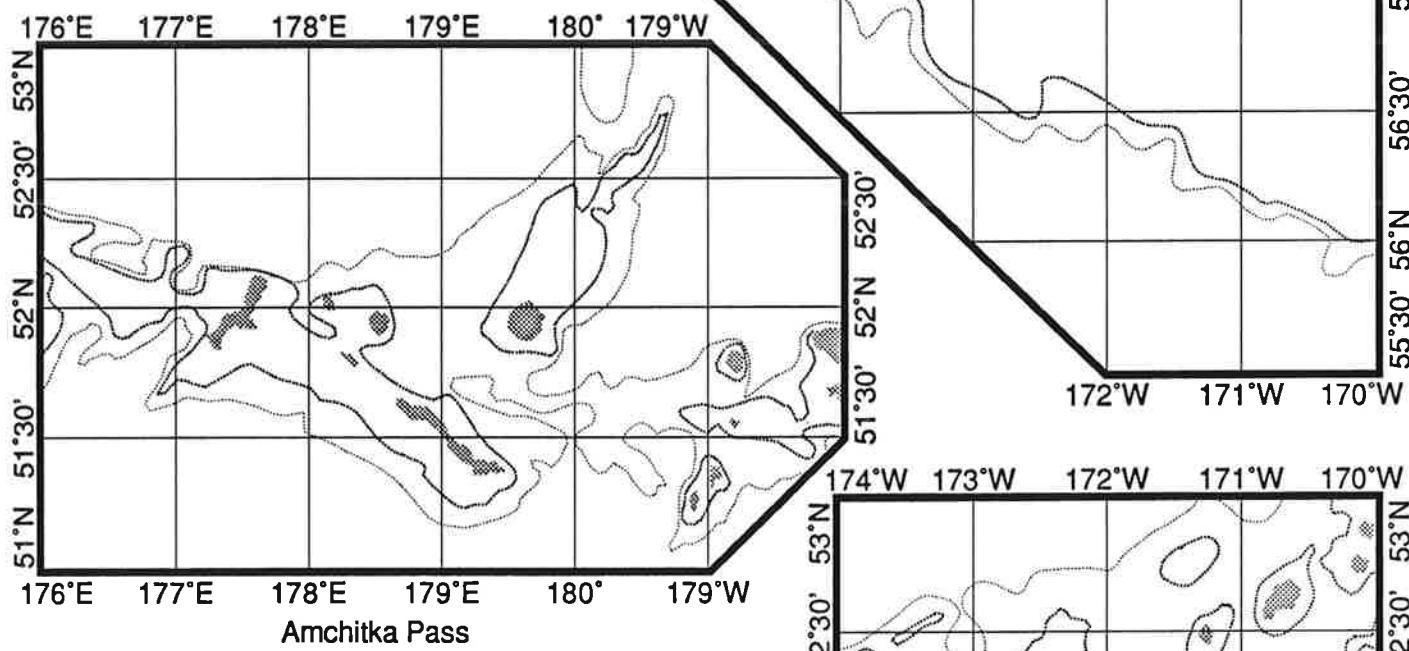
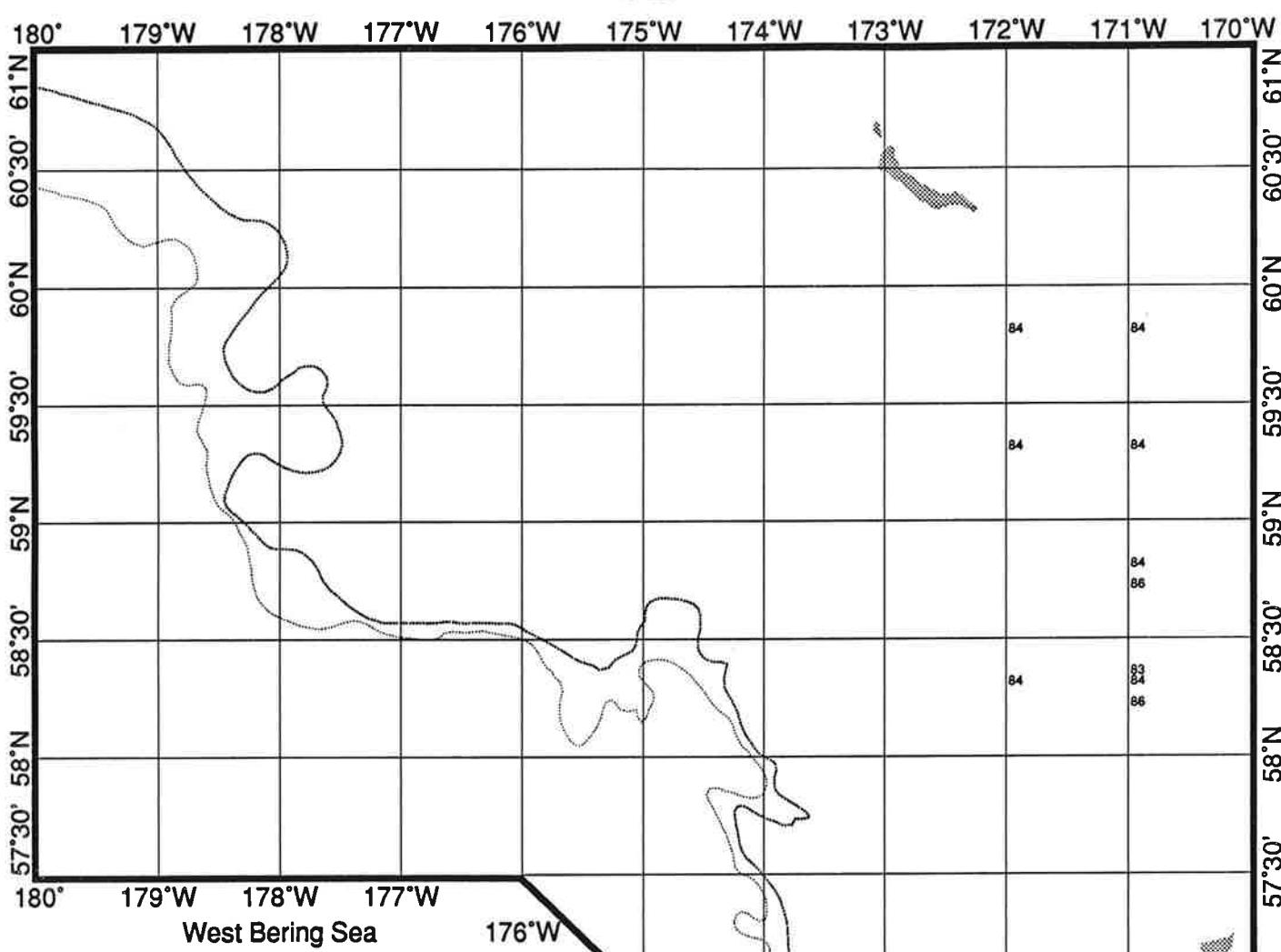
0.0 0.6 SCALE: Percentage by Weight.

- 81 — 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
- 83 — 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
- 85 — 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
- 87 — 1987 Bycatch Rate Zero.

NOTE: Consult data tables (Section VIII) to determine offscale values.



V-24



December
YELLOWFIN SOLE
Herring Bycatch Rate

Seguam Pass

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

03-15-1991 15:58:06

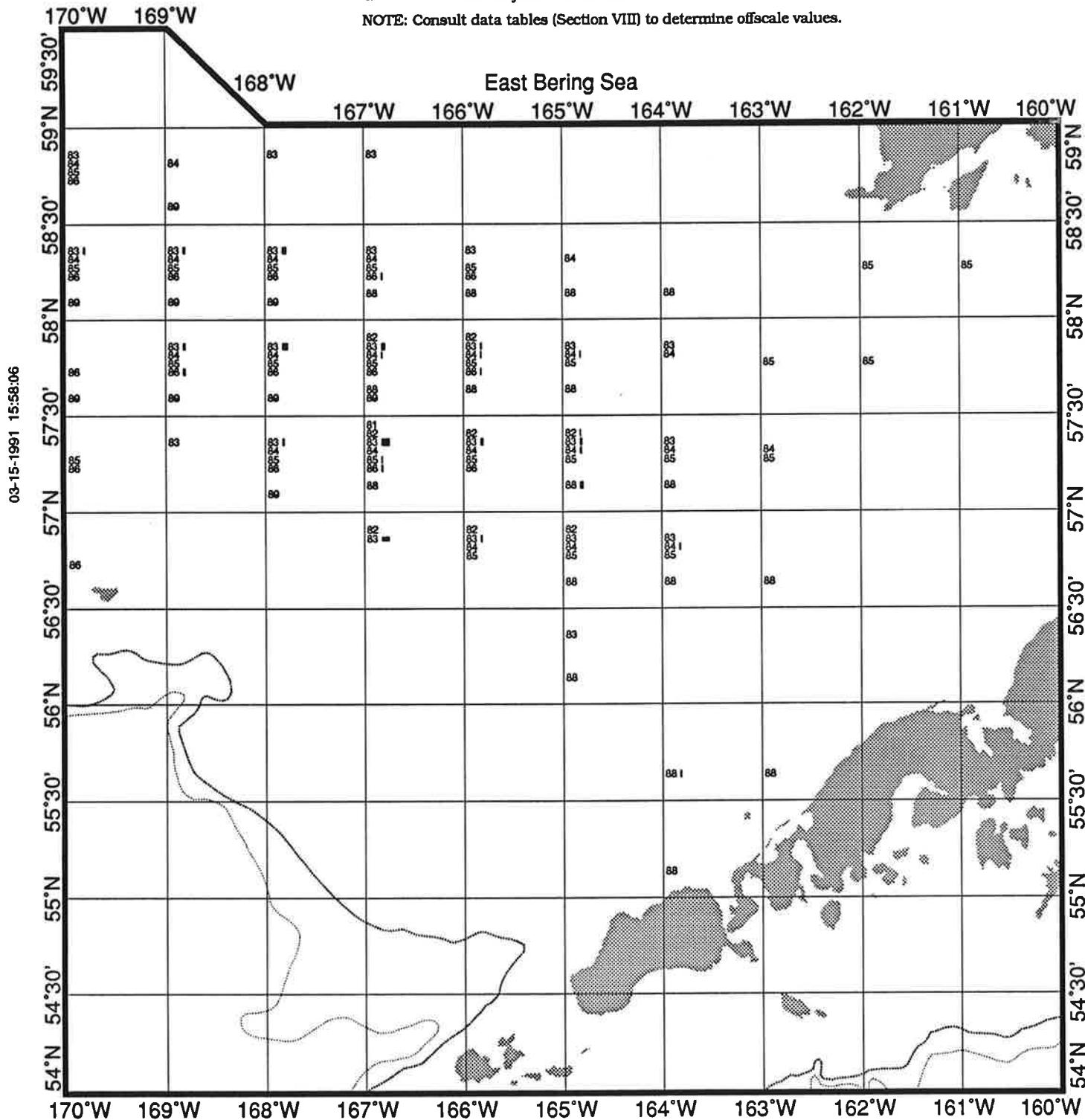
**December
YELLOWFIN SOLE
Herring Bycatch Rate**

200 Meter Contour.
1000 Meter Contour.

0.0 0.5 SCALE: Percentage by Weight.

- 81 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
- 83 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
- 85 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
- 87 1987 Bycatch Rate Zero.

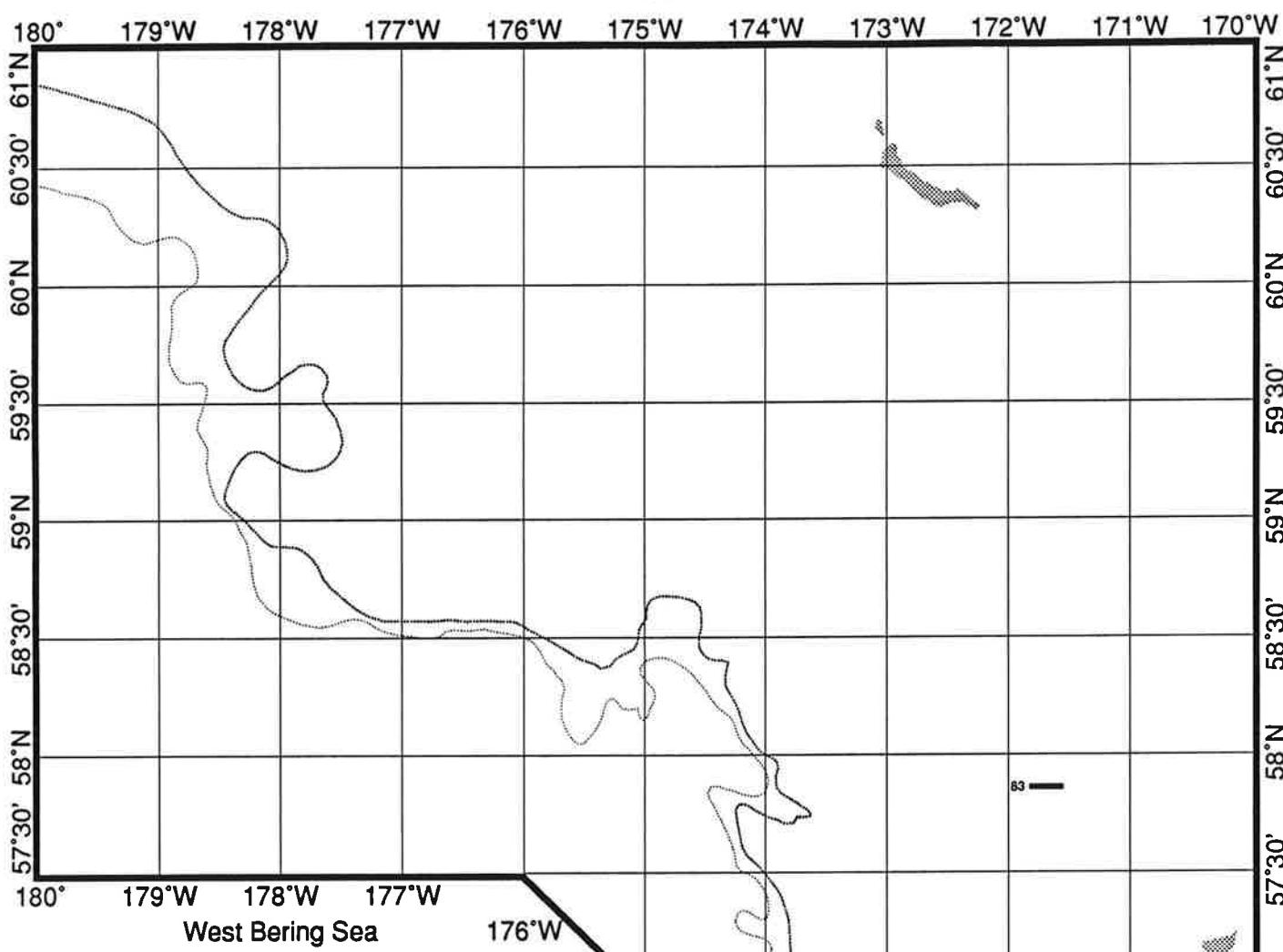
NOTE: Consult data tables (Section VIII) to determine offscale values.



SECTION VI

KING CRAB BYCATCH RATE CHARTS

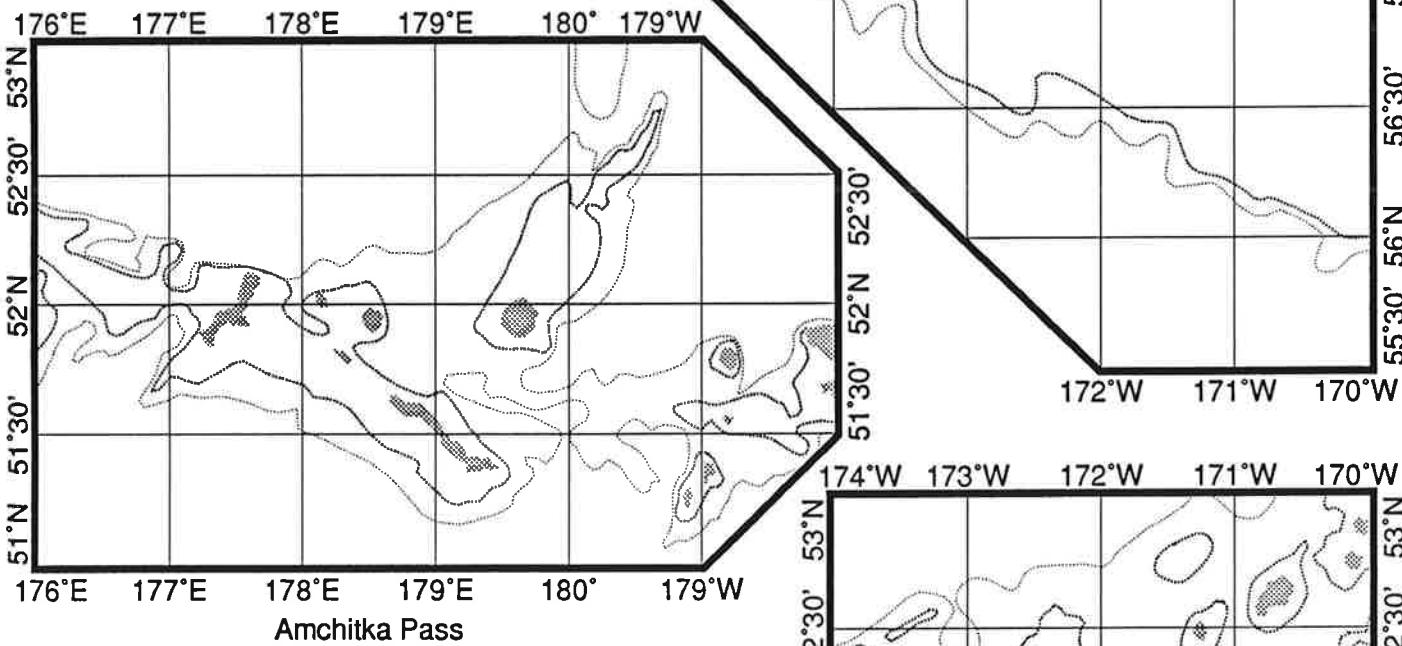
VI-2



West Bering Sea

176°W

03-15-1991 16:15:11



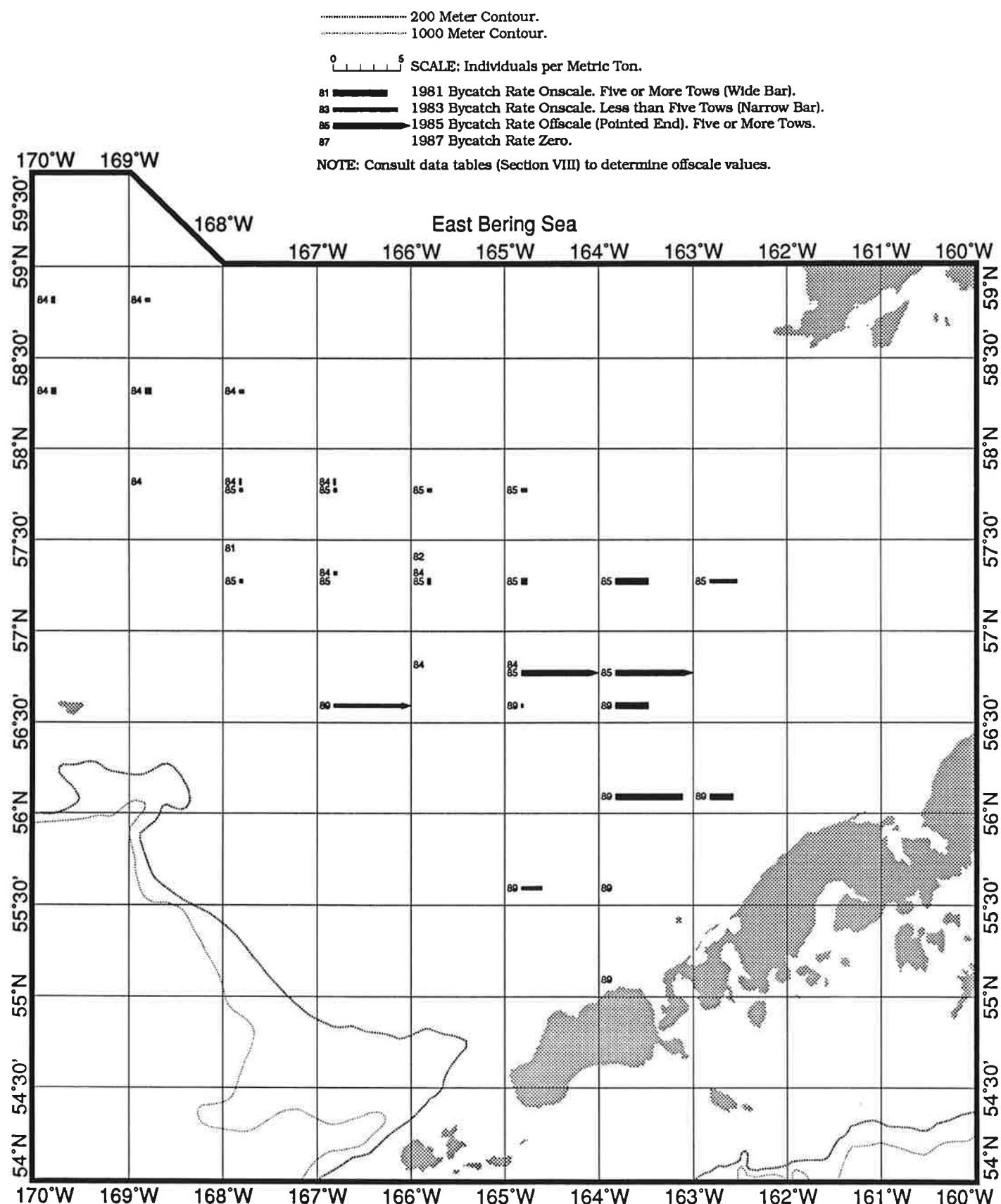
Amchitka Pass

Seguam Pass

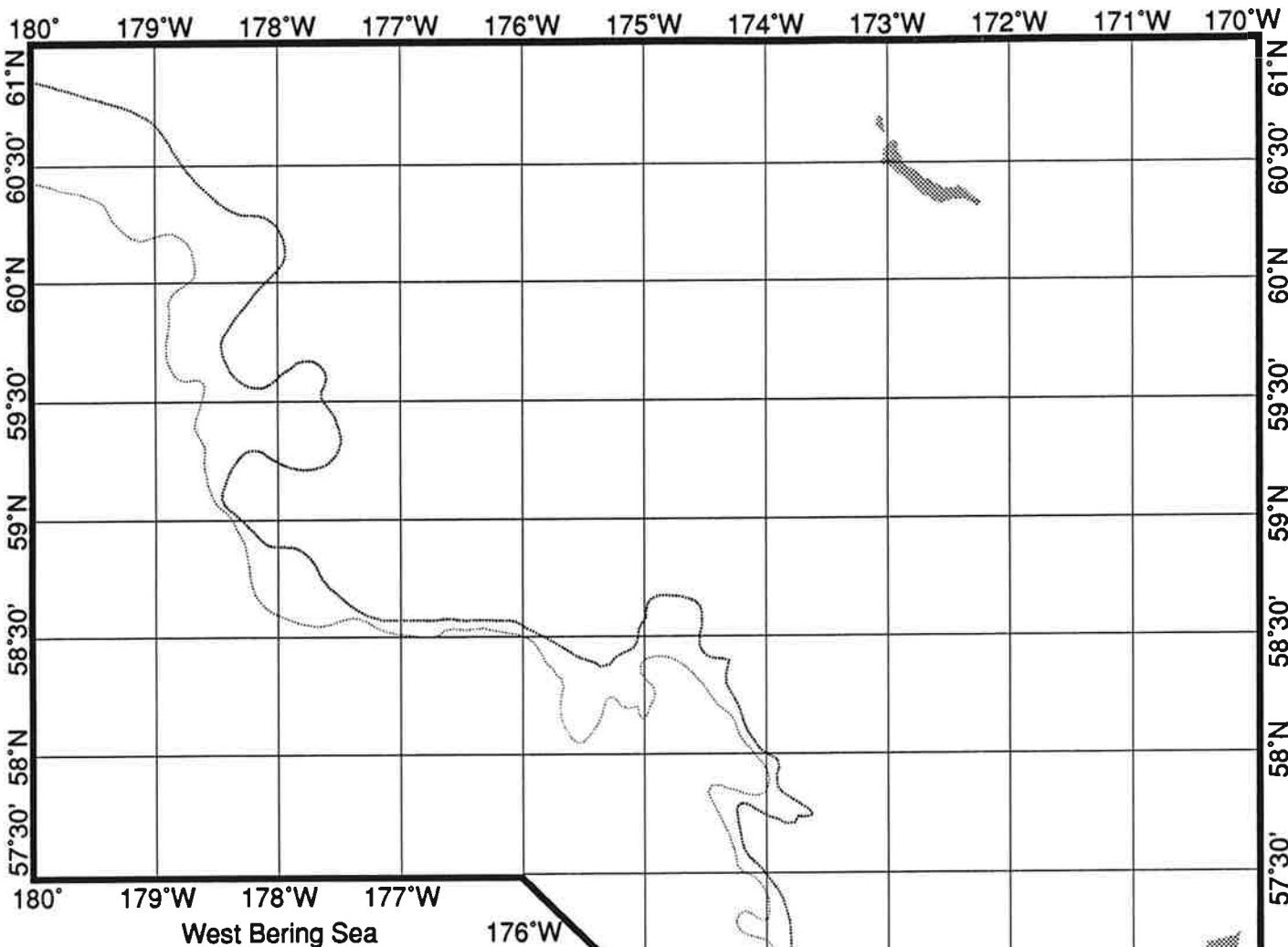
January
YELLOWFIN SOLE
King Crab Bycatch Rate

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

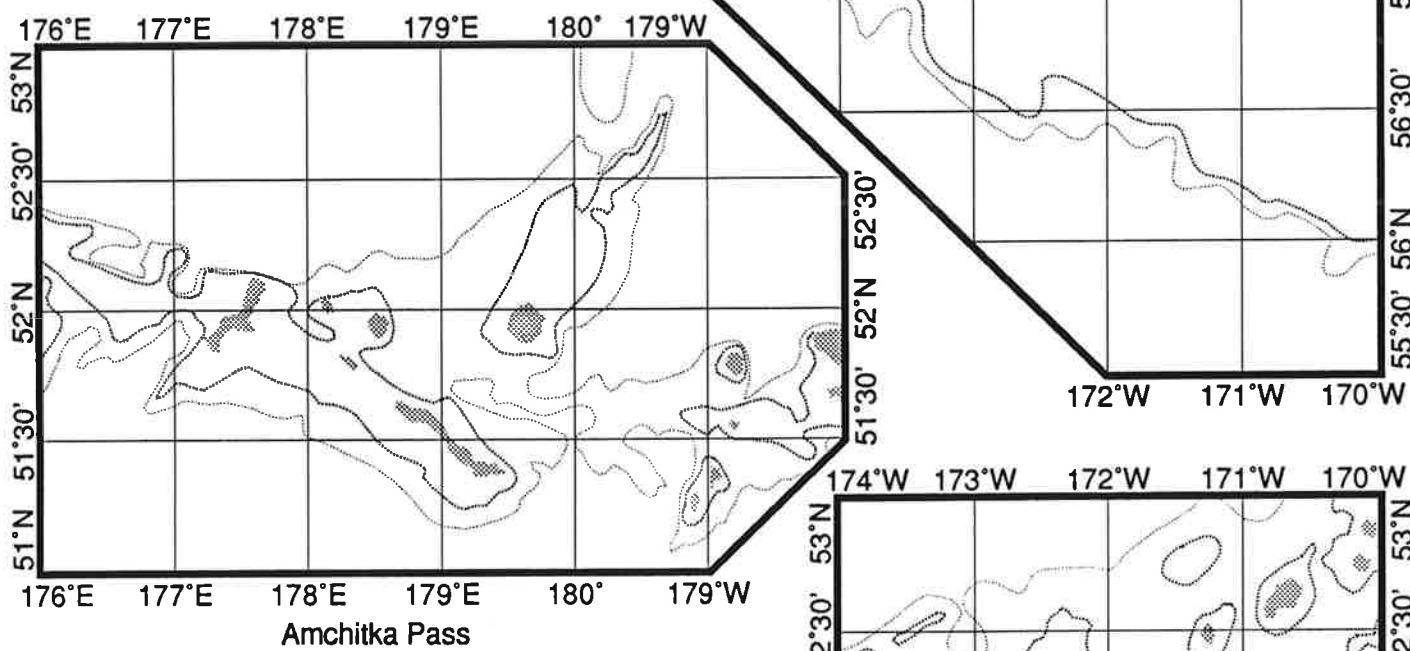
**January
YELLOWFIN SOLE
King Crab Bycatch Rate**



VI-4



West Bering Sea



Amchitka Pass

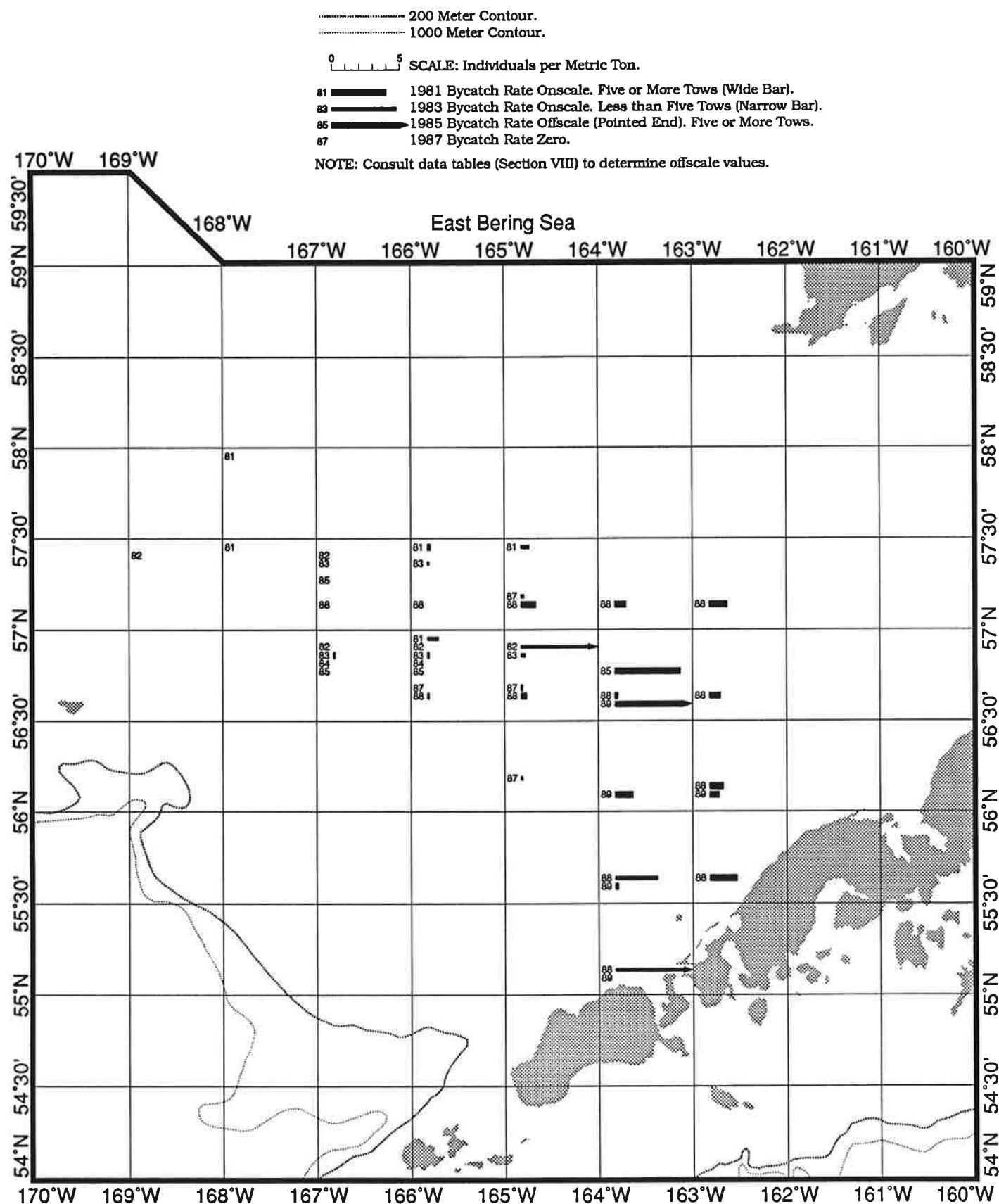
Seguam Pass

February
YELLOWFIN SOLE
King Crab Bycatch Rate

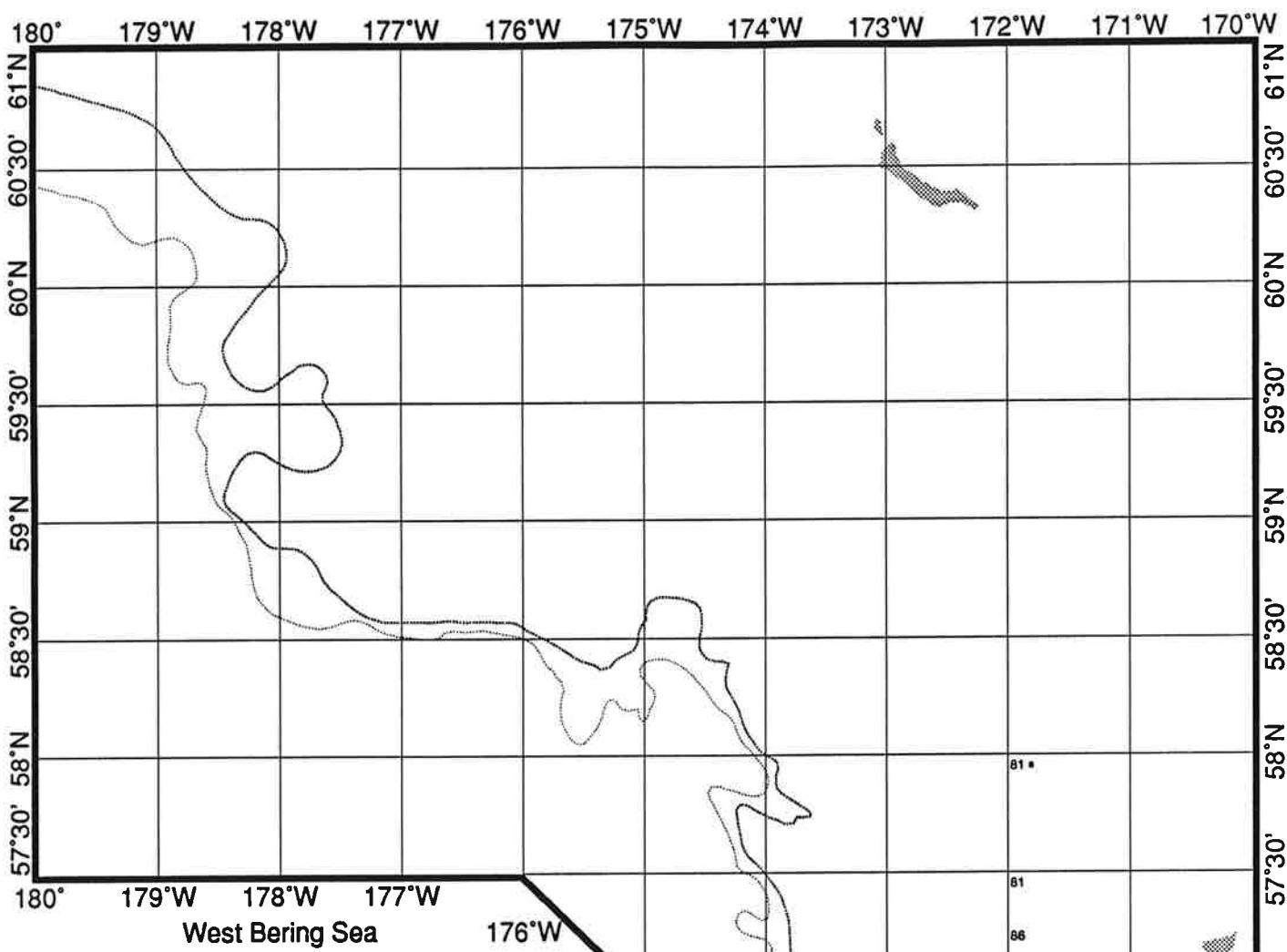
03-16-1991 16:14:21

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

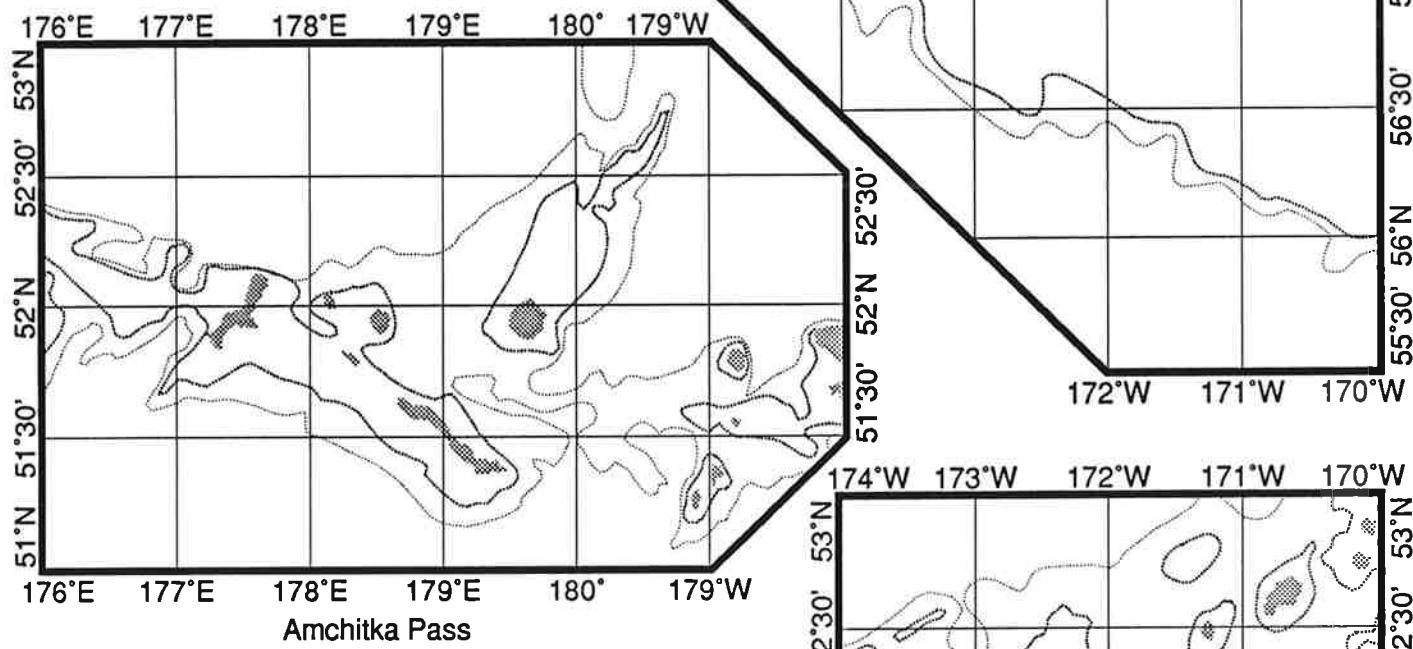
February
YELLOWFIN SOLE
King Crab Bycatch Rate



VI-6



03-15-1991 16:15:11



March
YELLOWFIN SOLE
King Crab Bycatch Rate

Seguam Pass

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

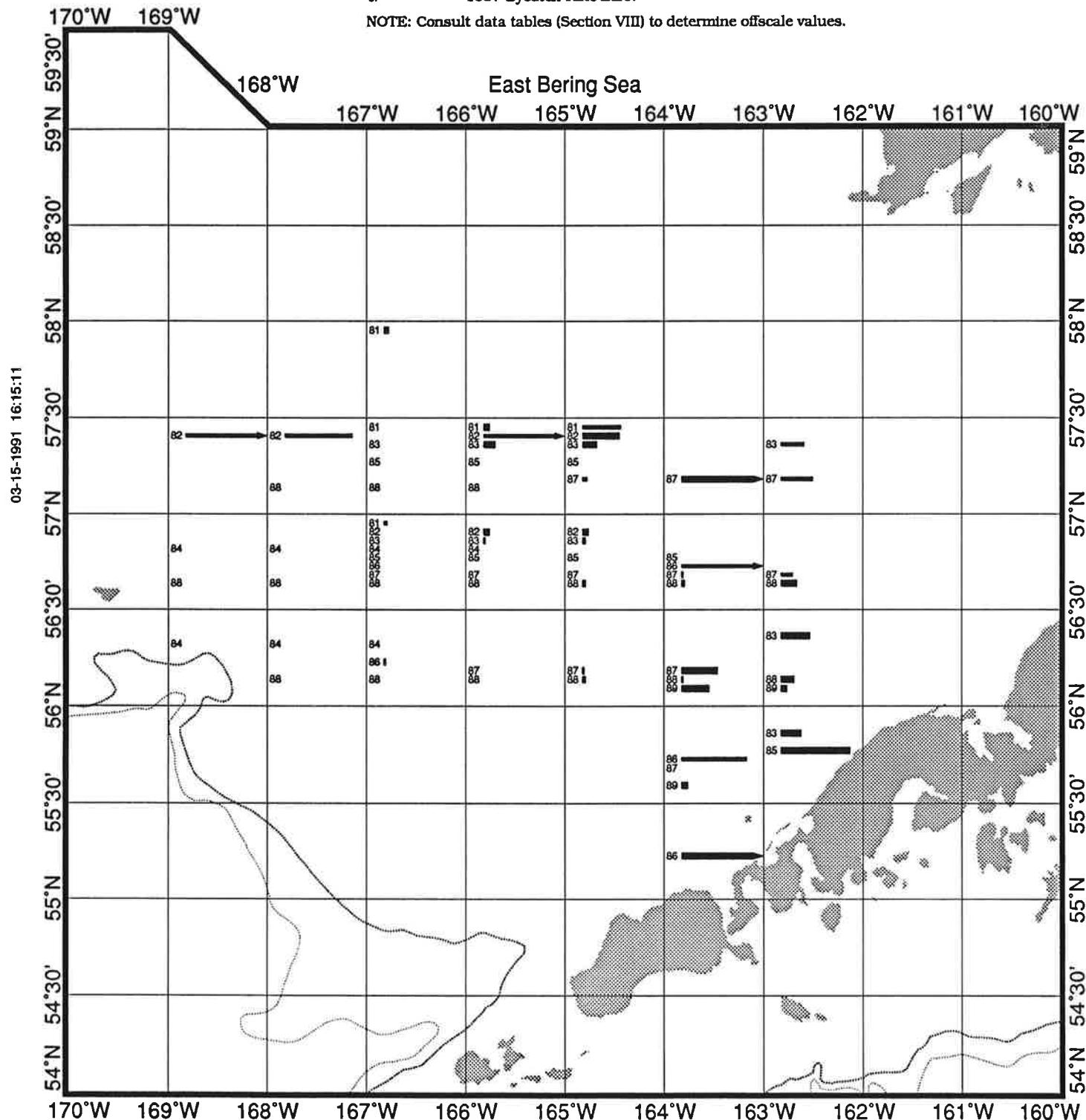
March
YELLOWFIN SOLE
King Crab Bycatch Rate

..... 200 Meter Contour.
..... 1000 Meter Contour.

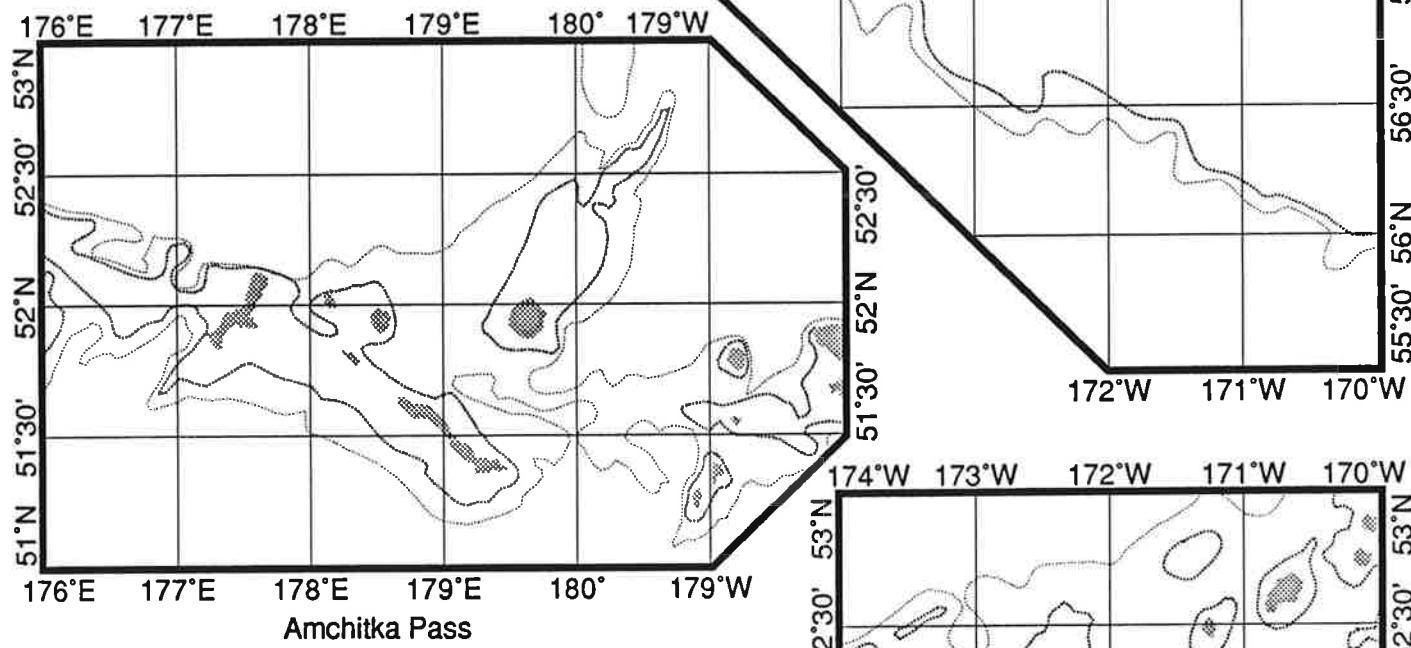
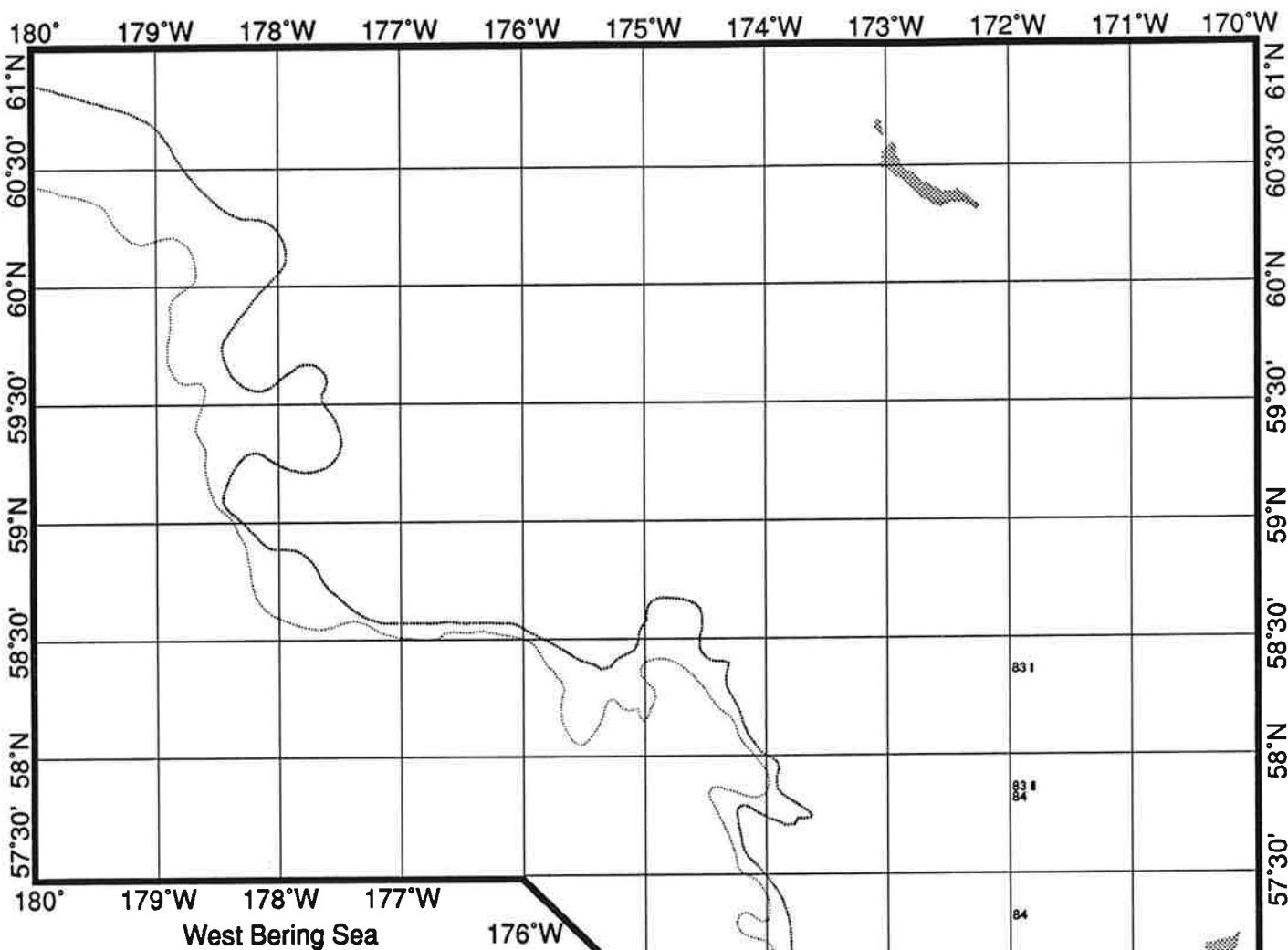
0 5 SCALE: Individuals per Metric Ton.

- 81 ——— 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
- 83 ——— 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
- 85 ————— 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
- 87 —— 1987 Bycatch Rate Zero.

NOTE: Consult data tables (Section VIII) to determine offscale values.

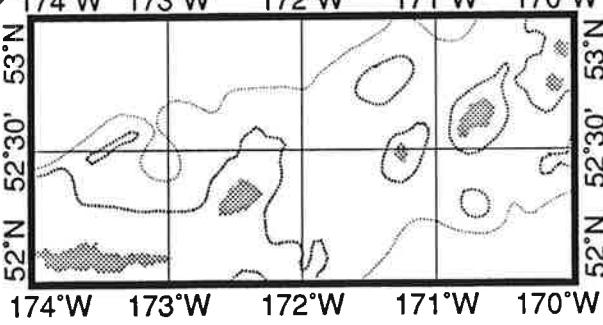


VI-8



April
YELLOWFIN SOLE
King Crab Bycatch Rate

Seguam Pass



03-15-1991 16:15:11

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

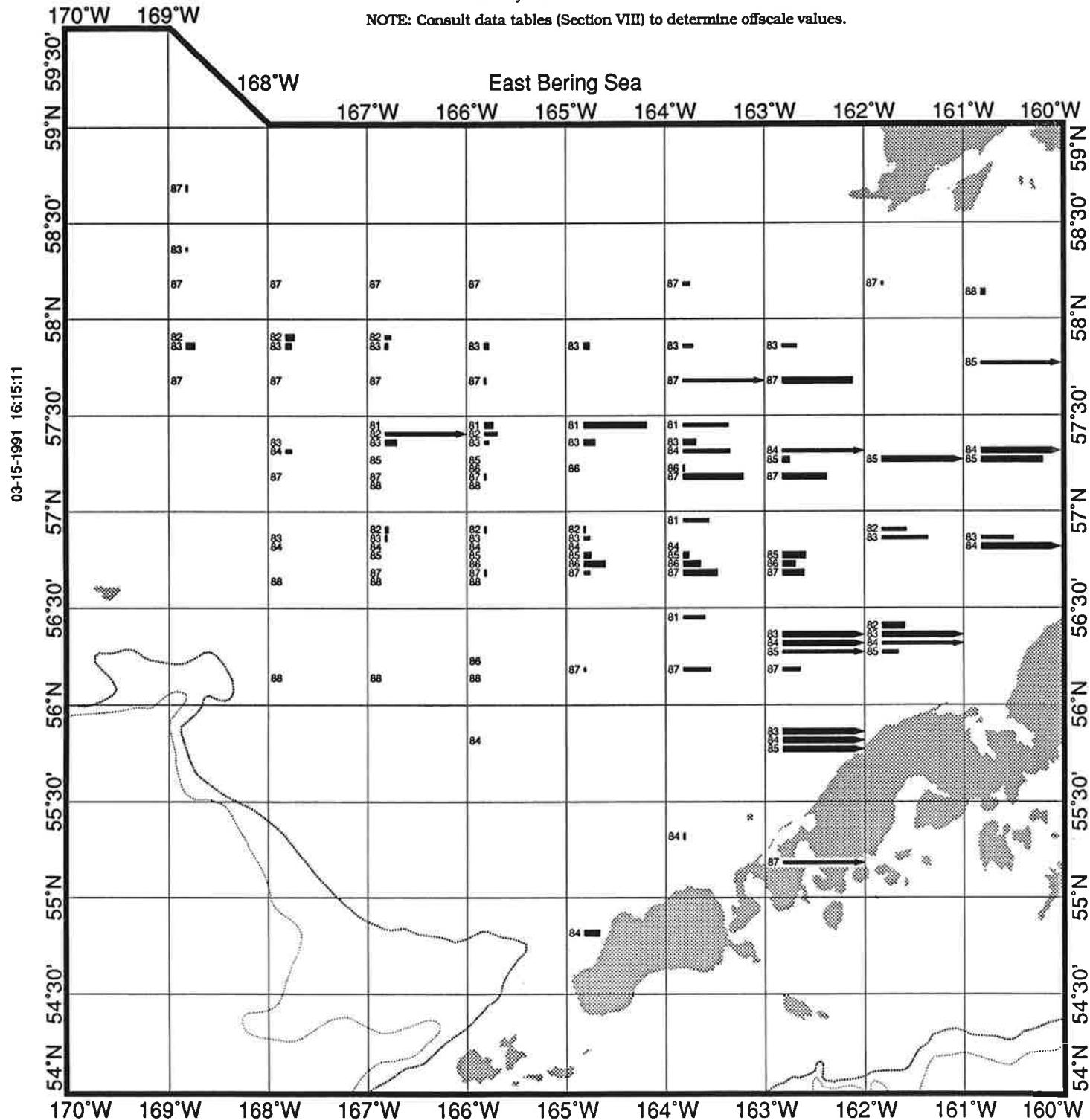
April
YELLOWFIN SOLE
King Crab Bycatch Rate

..... 200 Meter Contour.
..... 1000 Meter Contour.

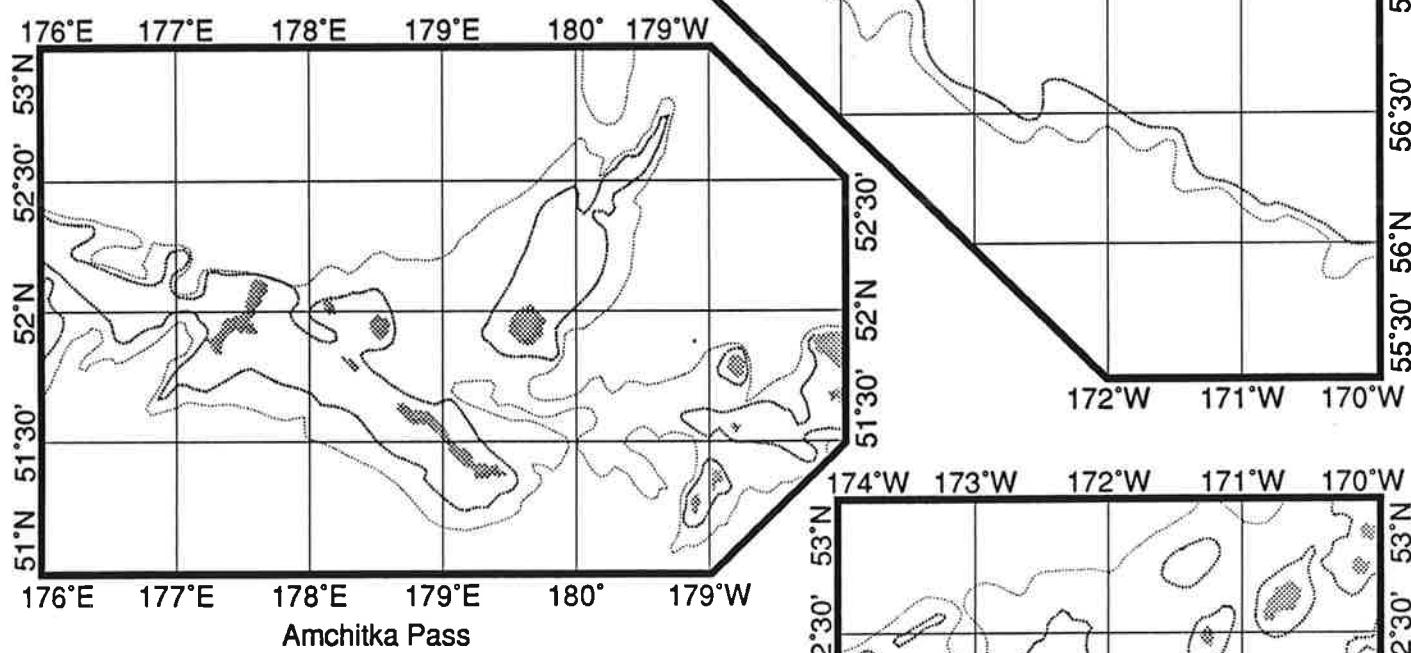
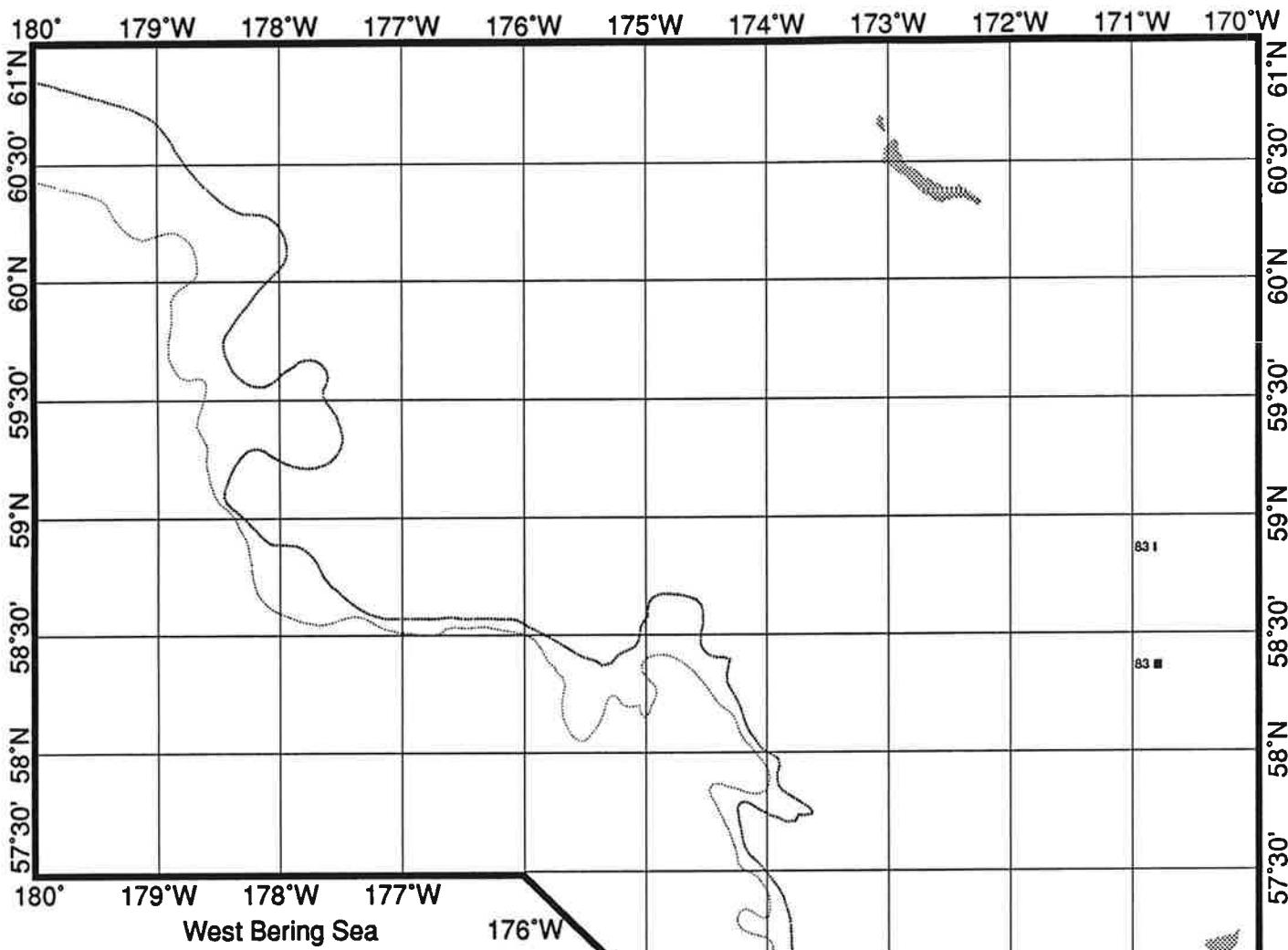
0 5 SCALE: Individuals per Metric Ton.

- 81 ——— 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
- 83 ——— 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
- 85 ——▲— 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
- 87 ——●— 1987 Bycatch Rate Zero.

NOTE: Consult data tables (Section VIII) to determine offscale values.



VI-10



May
YELLOWFIN SOLE
King Crab Bycatch Rate

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

03-15-1991 16:15:11

May

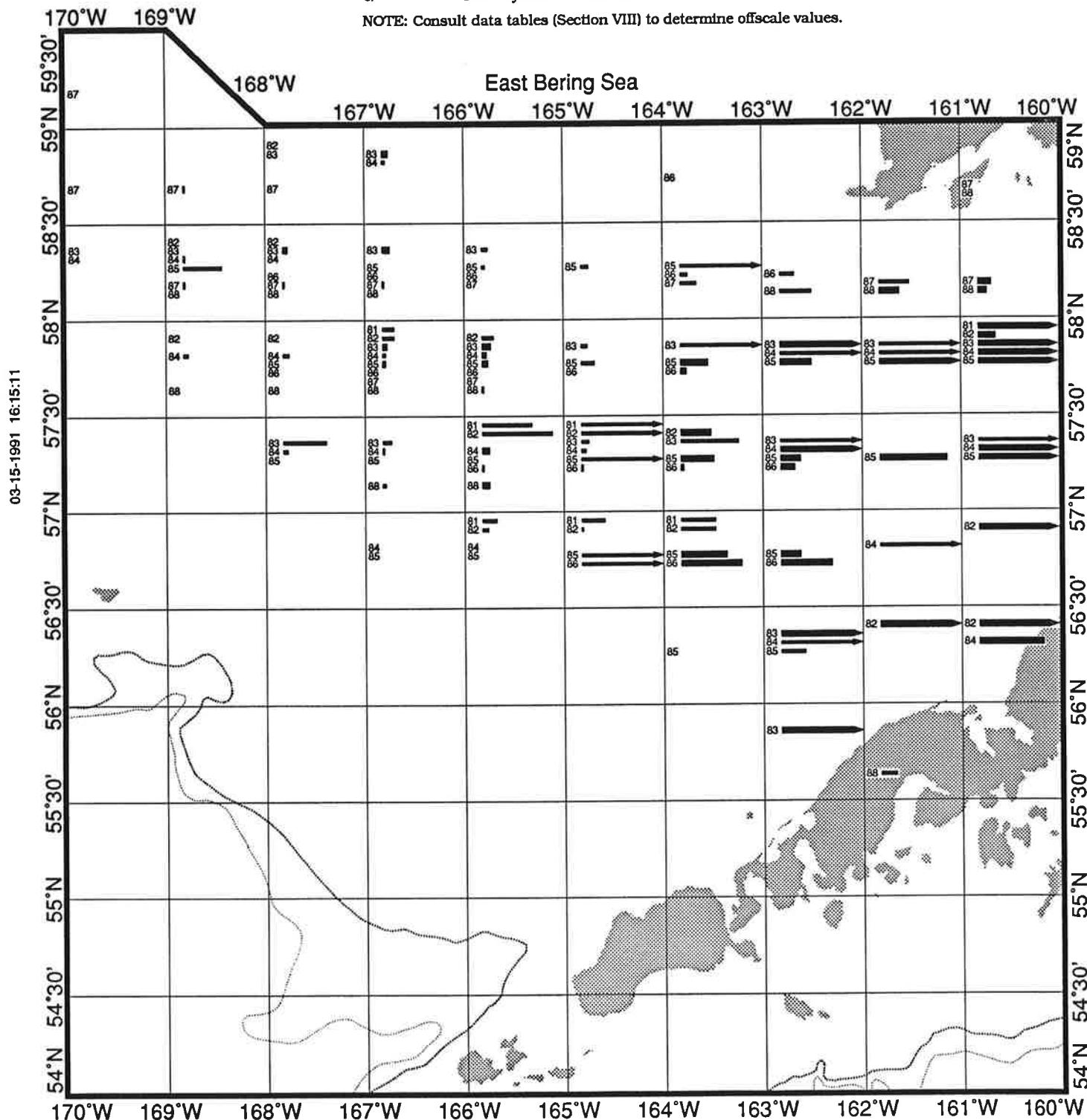
YELLOWFIN SOLE King Crab Bycatch Rate

..... 200 Meter Contour.
..... 1000 Meter Contour.

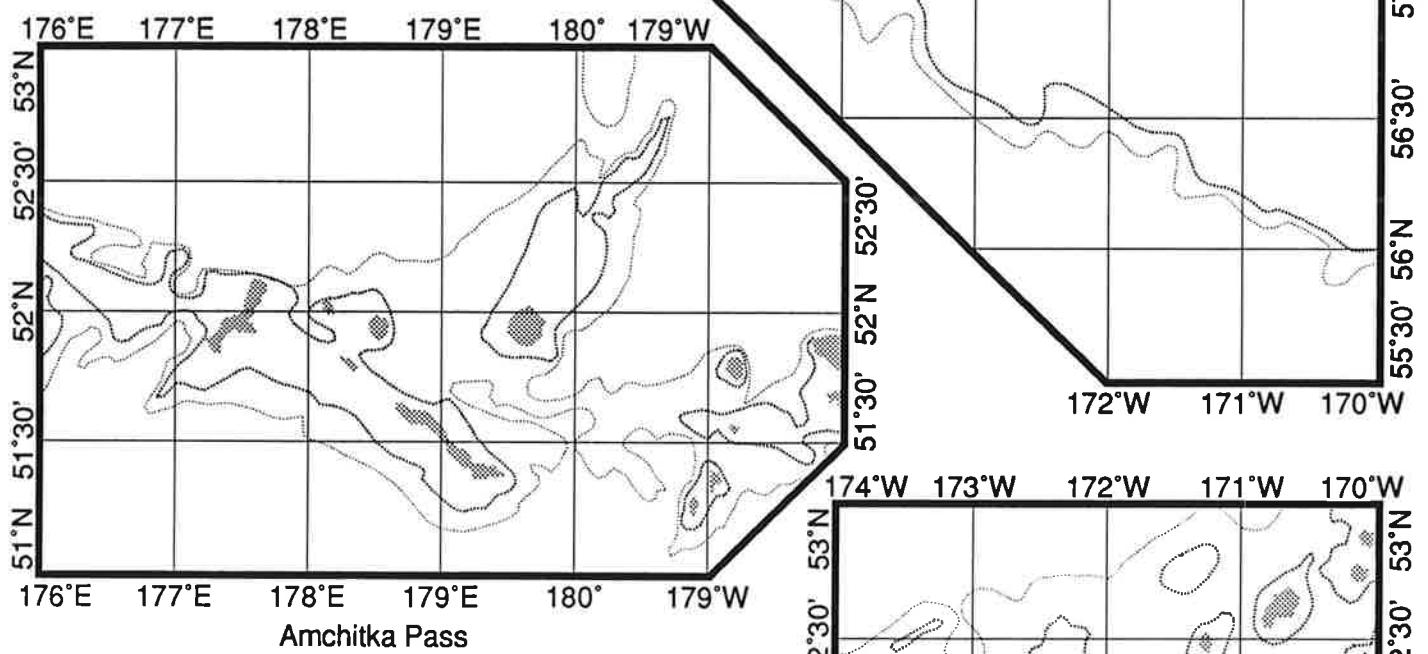
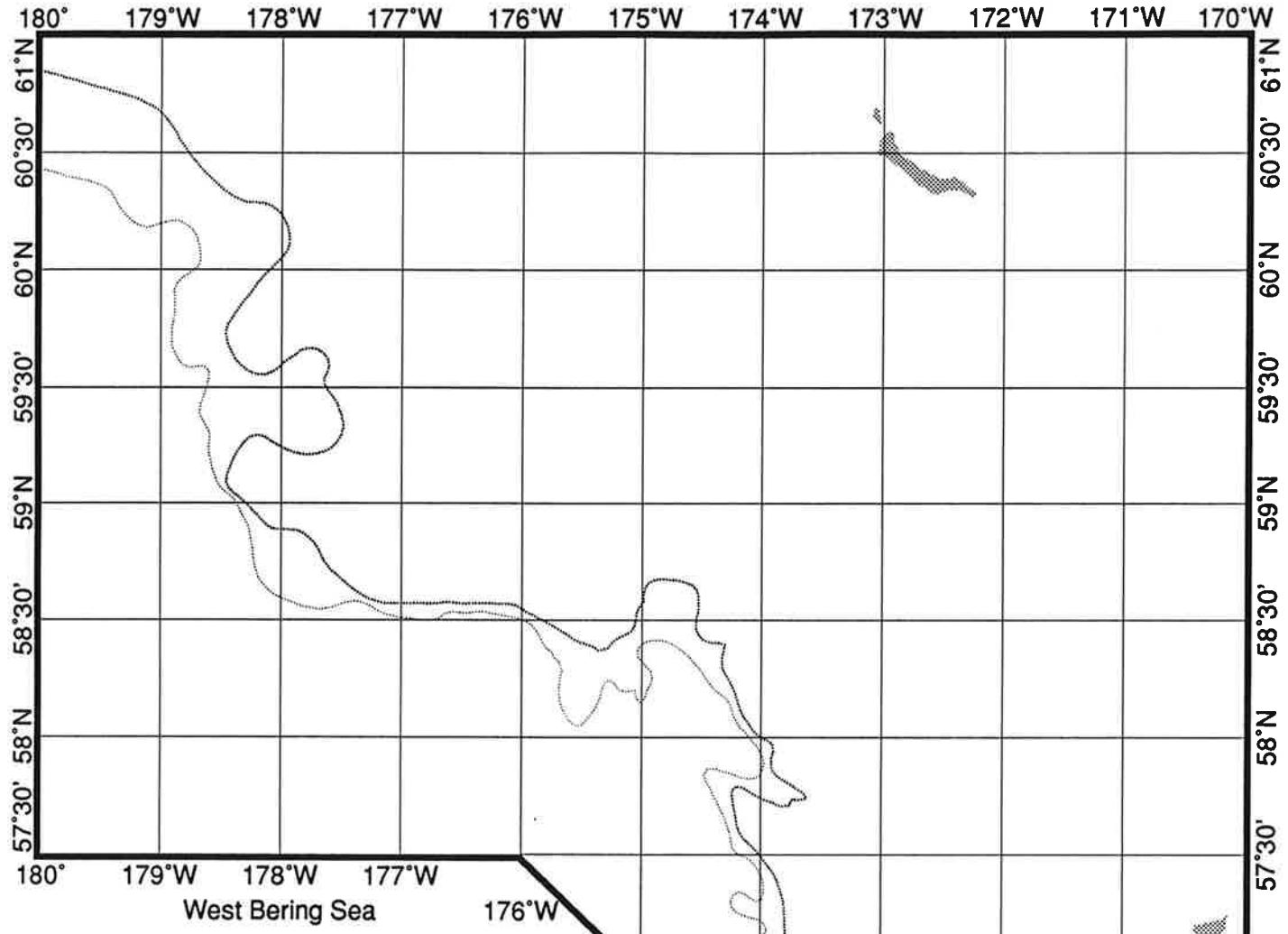
0 5 SCALE: Individuals per Metric Ton.

81 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
83 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
85 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
87 1987 Bycatch Rate Zero.

NOTE: Consult data tables (Section VIII) to determine offscale values.

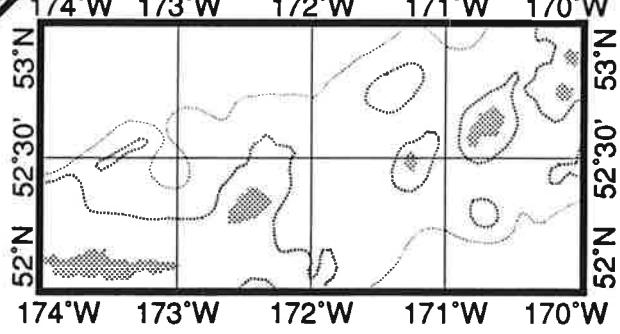


VI-12



June
YELLOWFIN SOLE
King Crab Bycatch Rate

Seguam Pass



03-16-1991 16:24:26

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

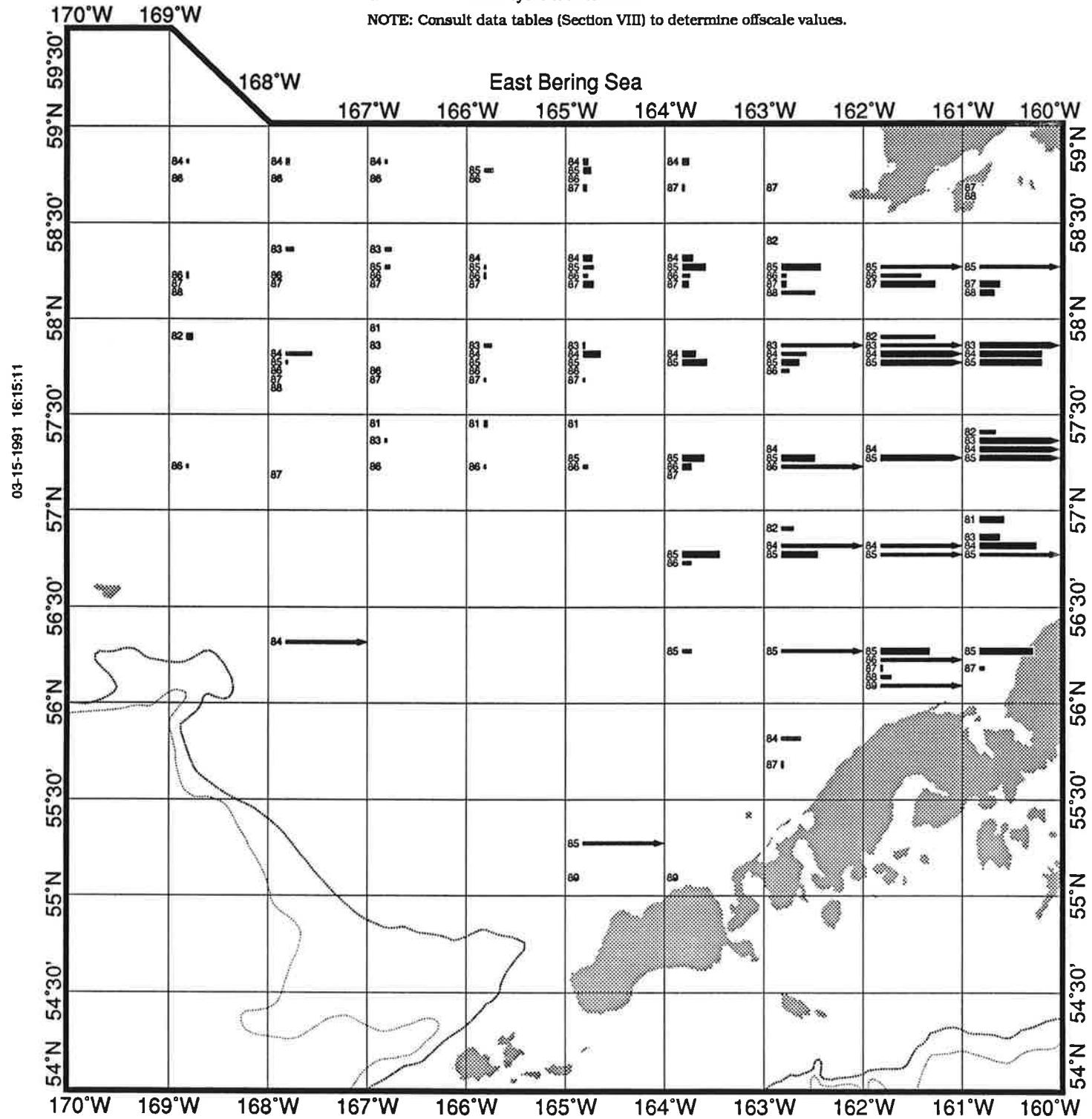
June
YELLOWFIN SOLE
King Crab Bycatch Rate

..... 200 Meter Contour.
..... 1000 Meter Contour.

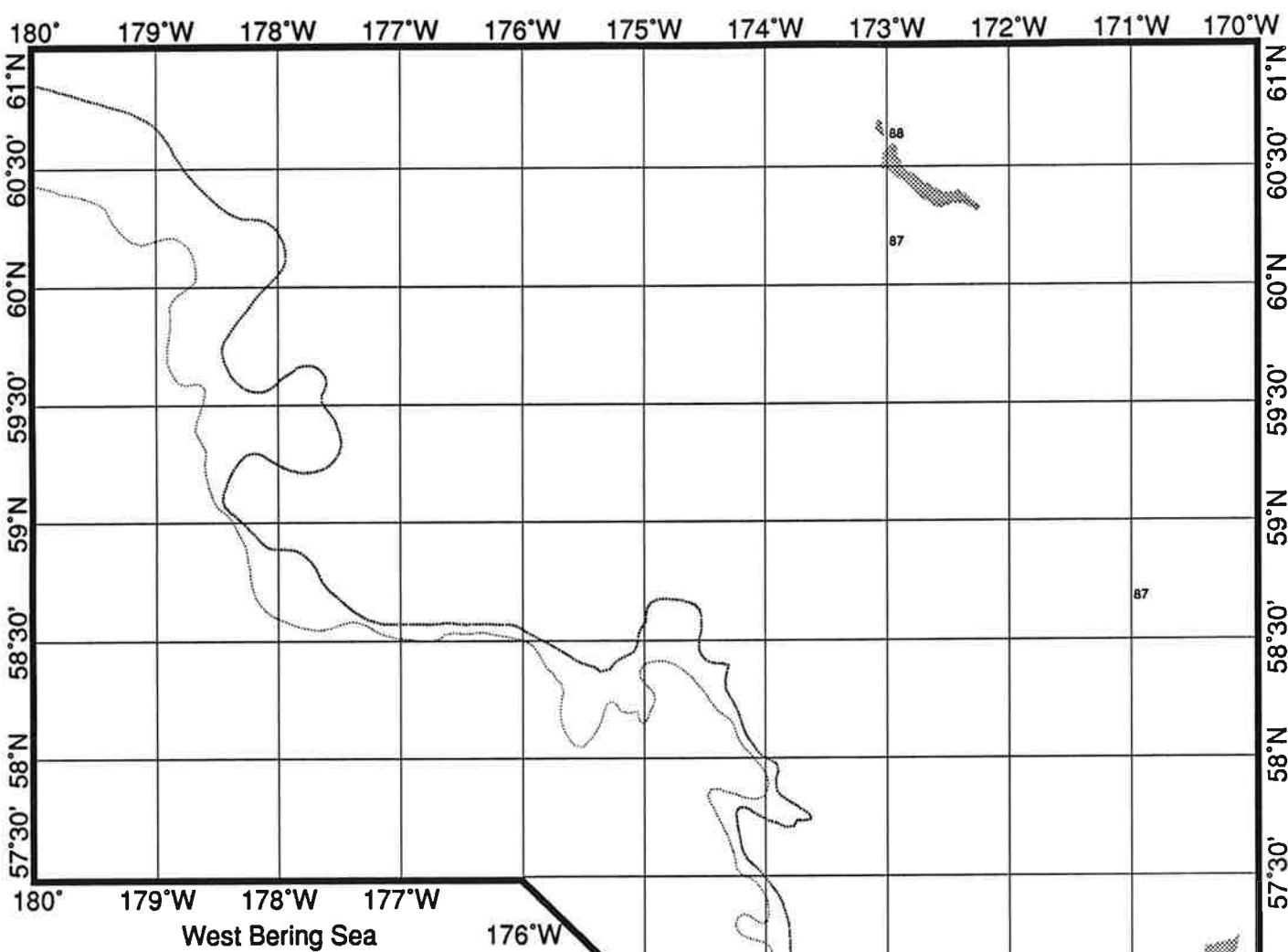
0 5 SCALE: Individuals per Metric Ton.

- 81 ——— 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
- 83 ——— 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
- 85 —→ 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
- 87 —— 1987 Bycatch Rate Zero.

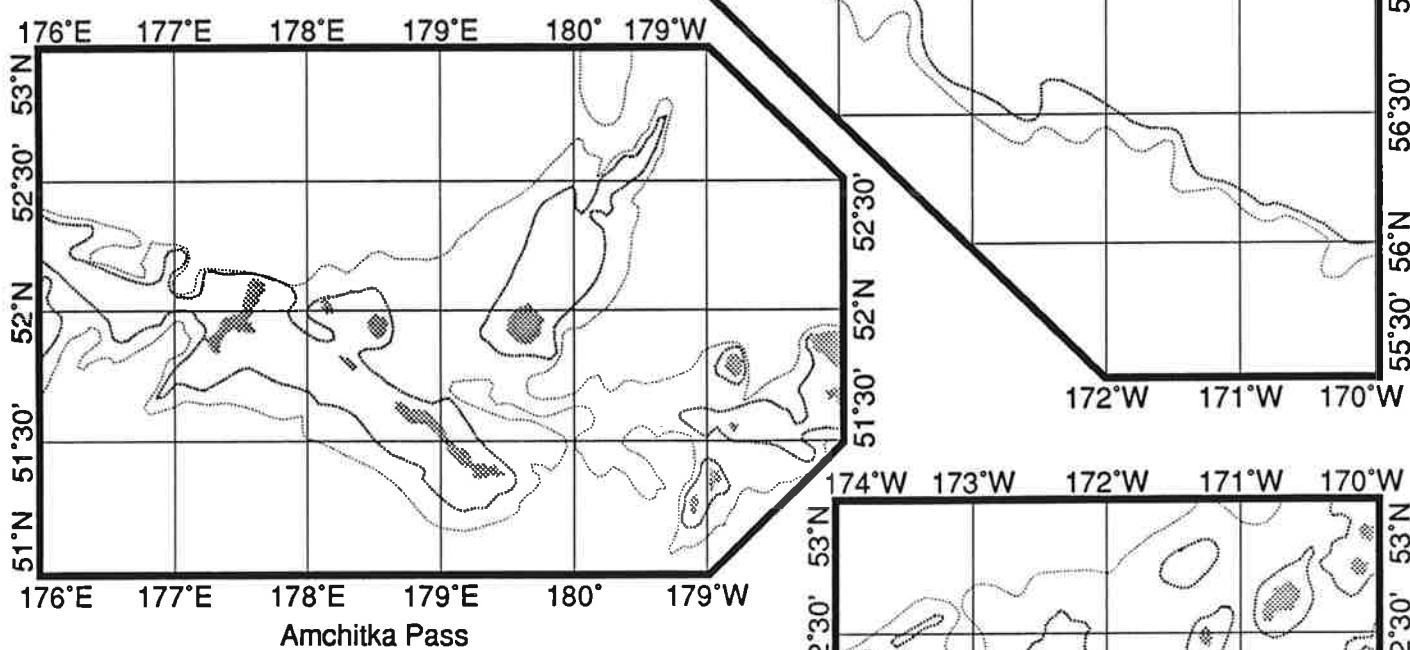
NOTE: Consult data tables (Section VIII) to determine offscale values.



VI-14



03-15-1991 16:15:11



July
YELLOWFIN SOLE
King Crab Bycatch Rate

Seguam Pass

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

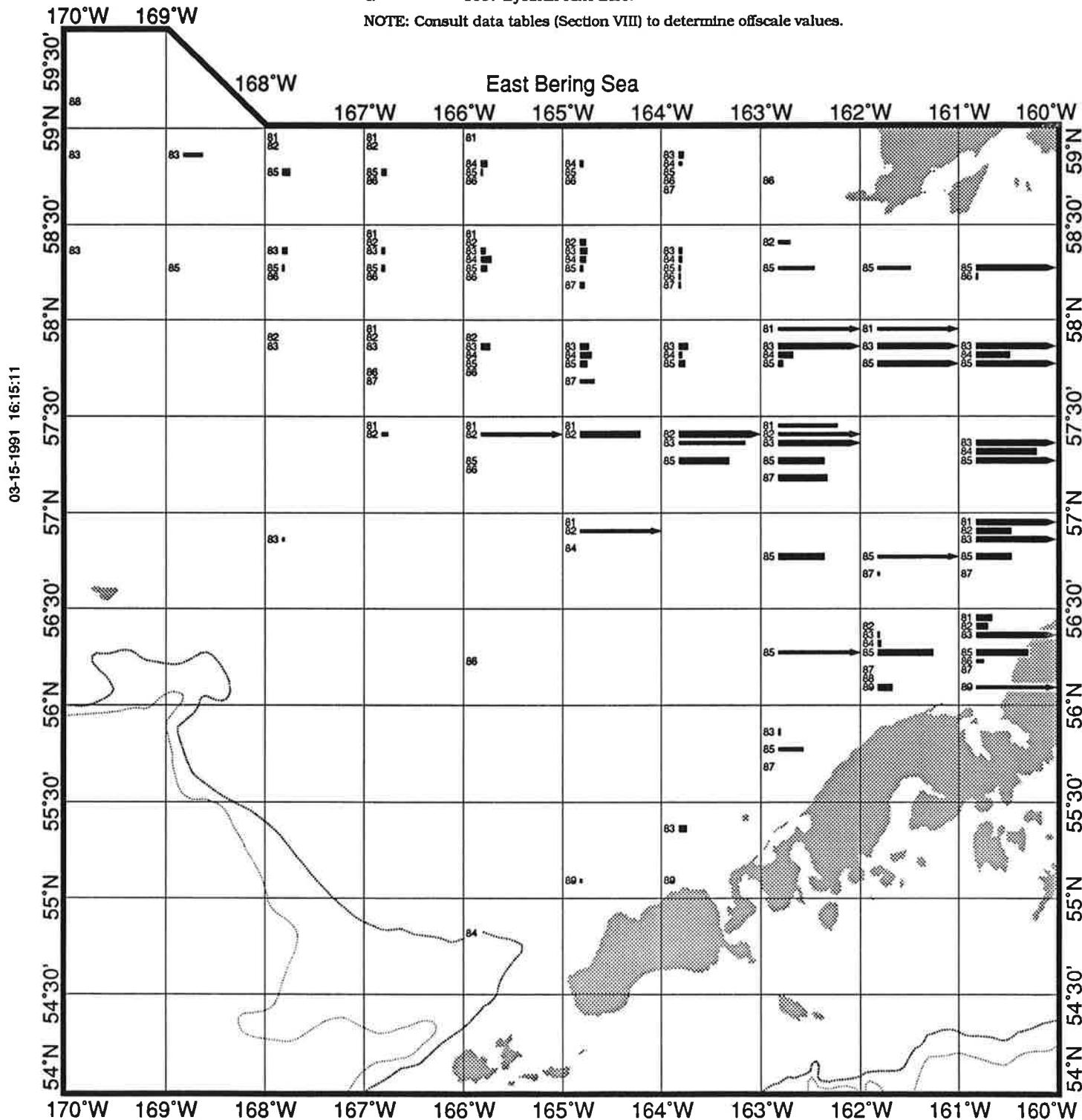
July
YELLOWFIN SOLE
King Crab Bycatch Rate

..... 200 Meter Contour.
..... 1000 Meter Contour.

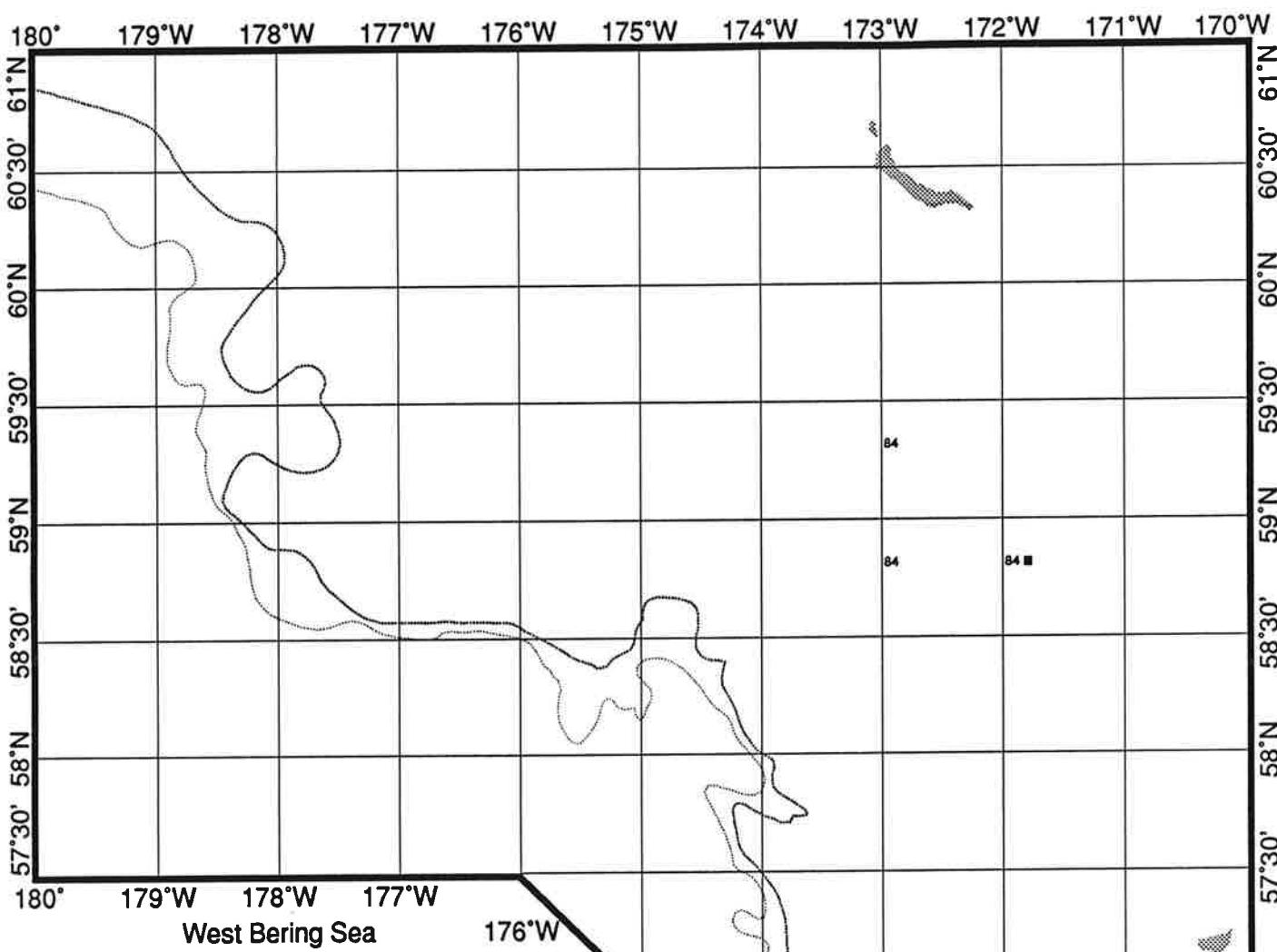
0 5 SCALE: Individuals per Metric Ton.

81 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
83 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
85 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
87 1987 Bycatch Rate Zero.

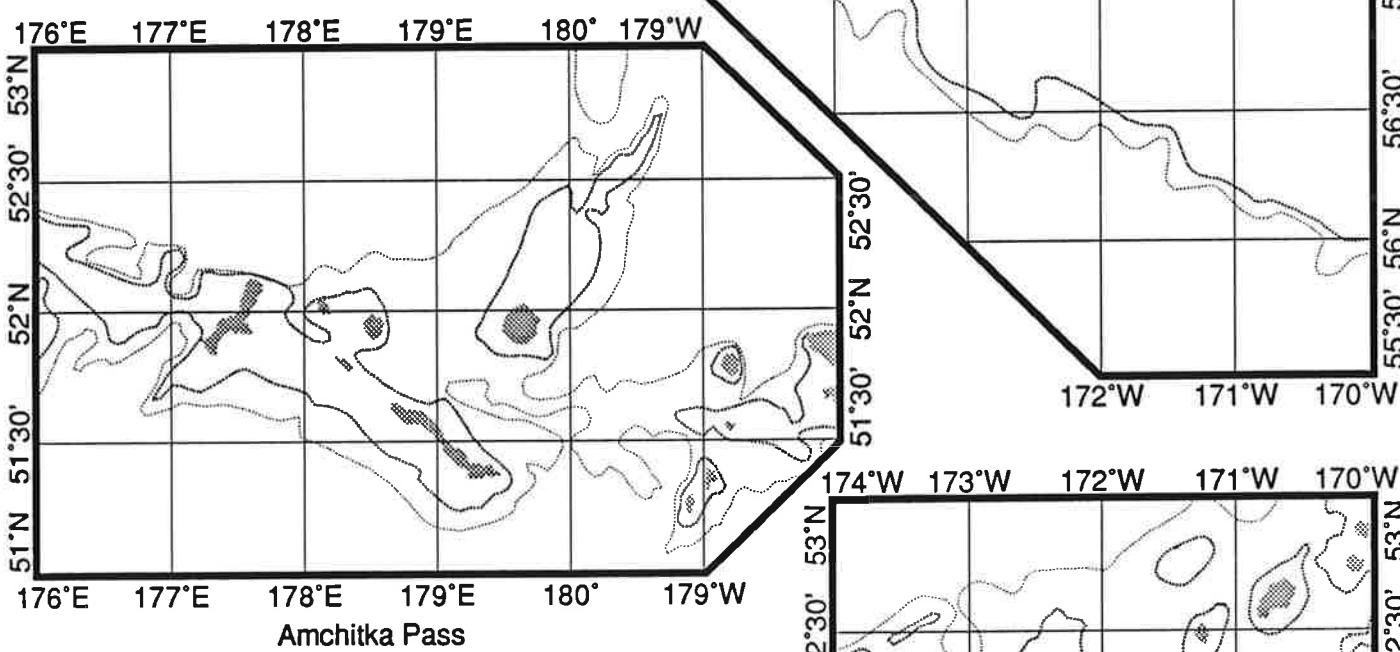
NOTE: Consult data tables (Section VIII) to determine offscale values.



VI-16



03-15-1991 16:15:11



August
YELLOWFIN SOLE
King Crab Bycatch Rate

Seguam Pass

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

August

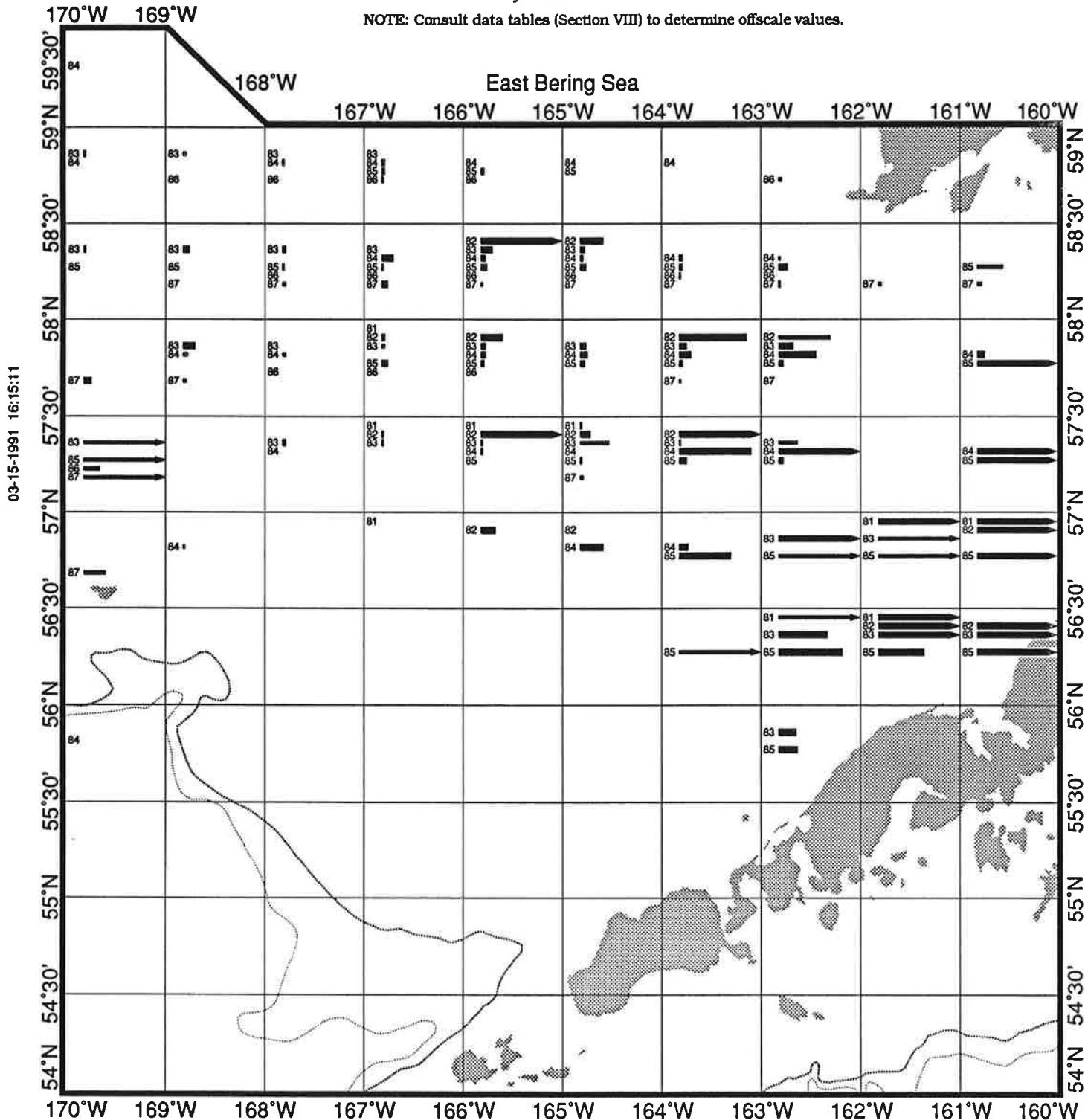
YELLOWFIN SOLE King Crab Bycatch Rate

200 Meter Contour.
1000 Meter Contour.

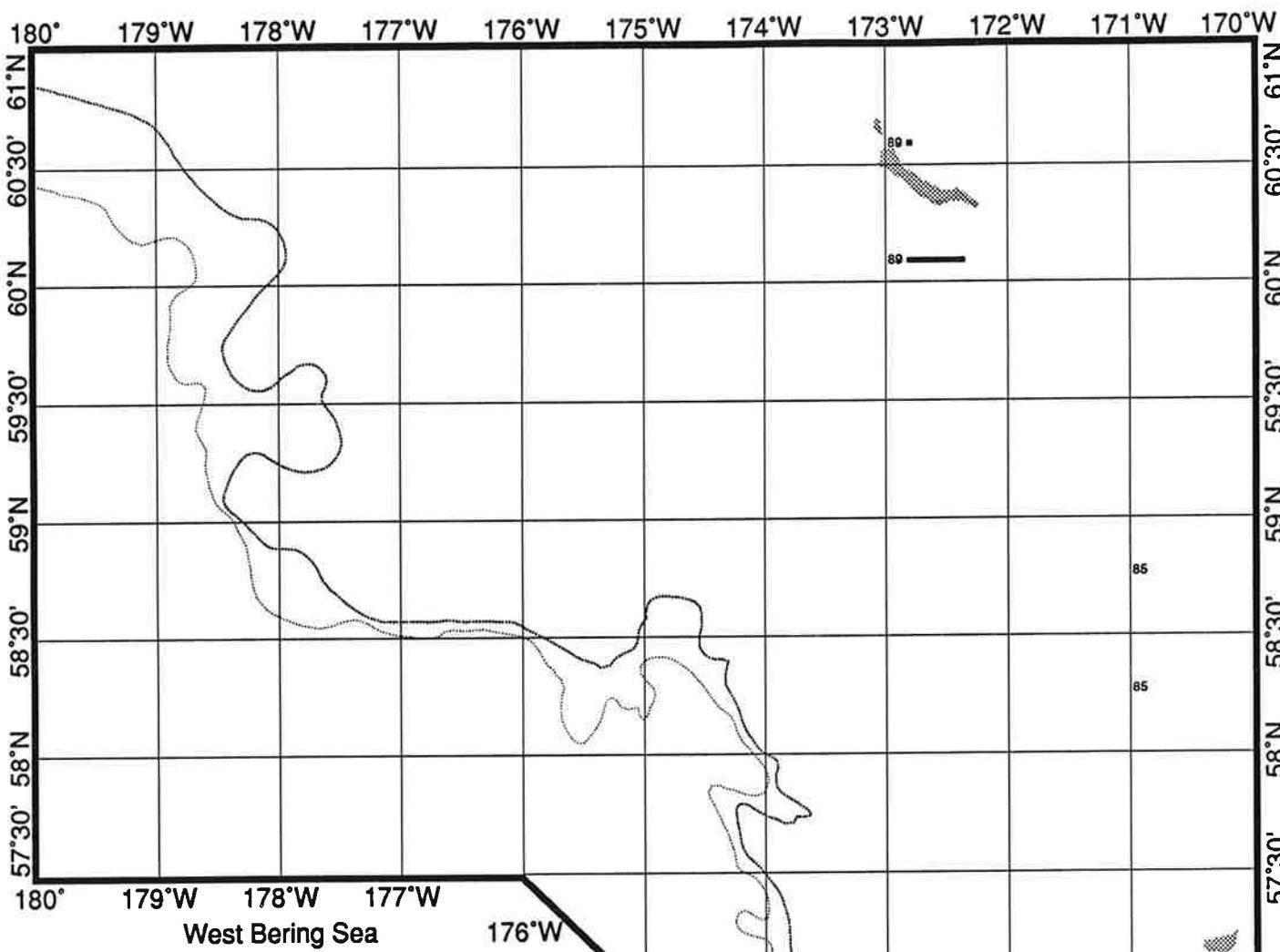
0 5 SCALE: Individuals per Metric Ton.

- 81 — 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
- 83 — 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
- 85 — 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
- 87 — 1987 Bycatch Rate Zero.

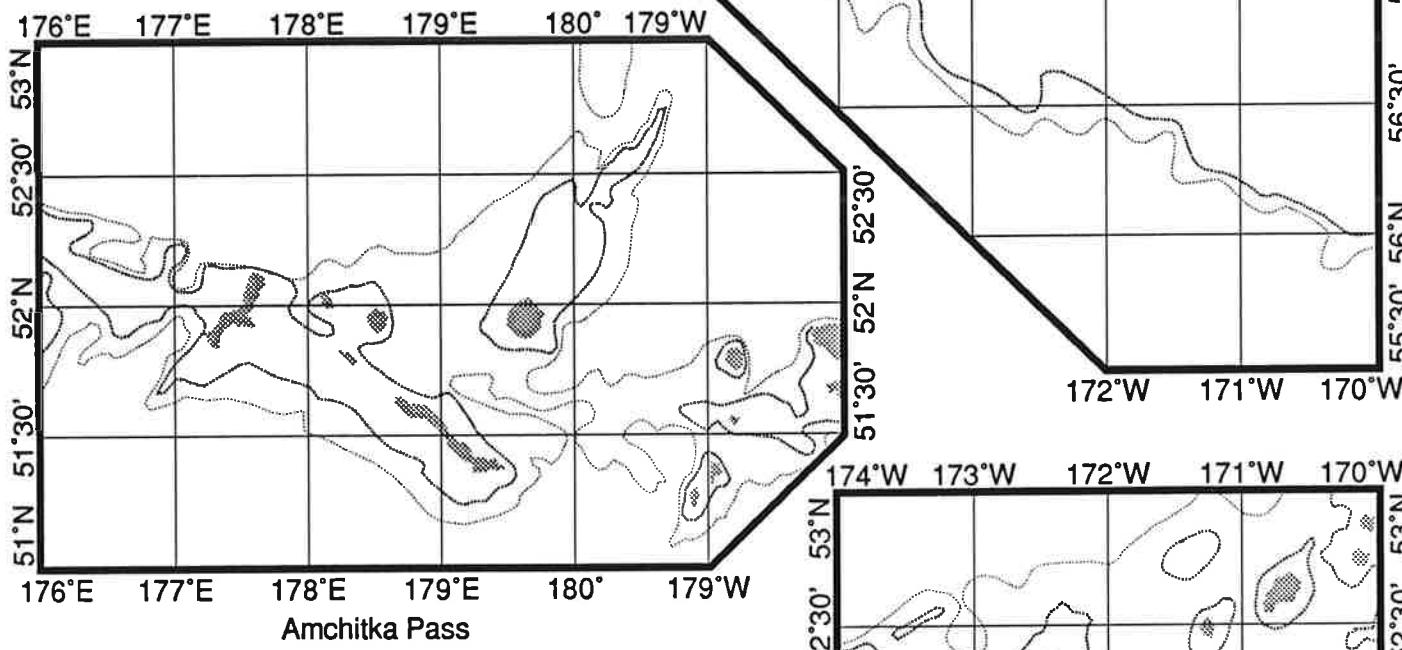
NOTE: Consult data tables (Section VIII) to determine offscale values.



VI-18



West Bering Sea



Amchitka Pass

Seguam Pass

September
YELLOWFIN SOLE
King Crab Bycatch Rate

03-15-1991 16:15:11

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

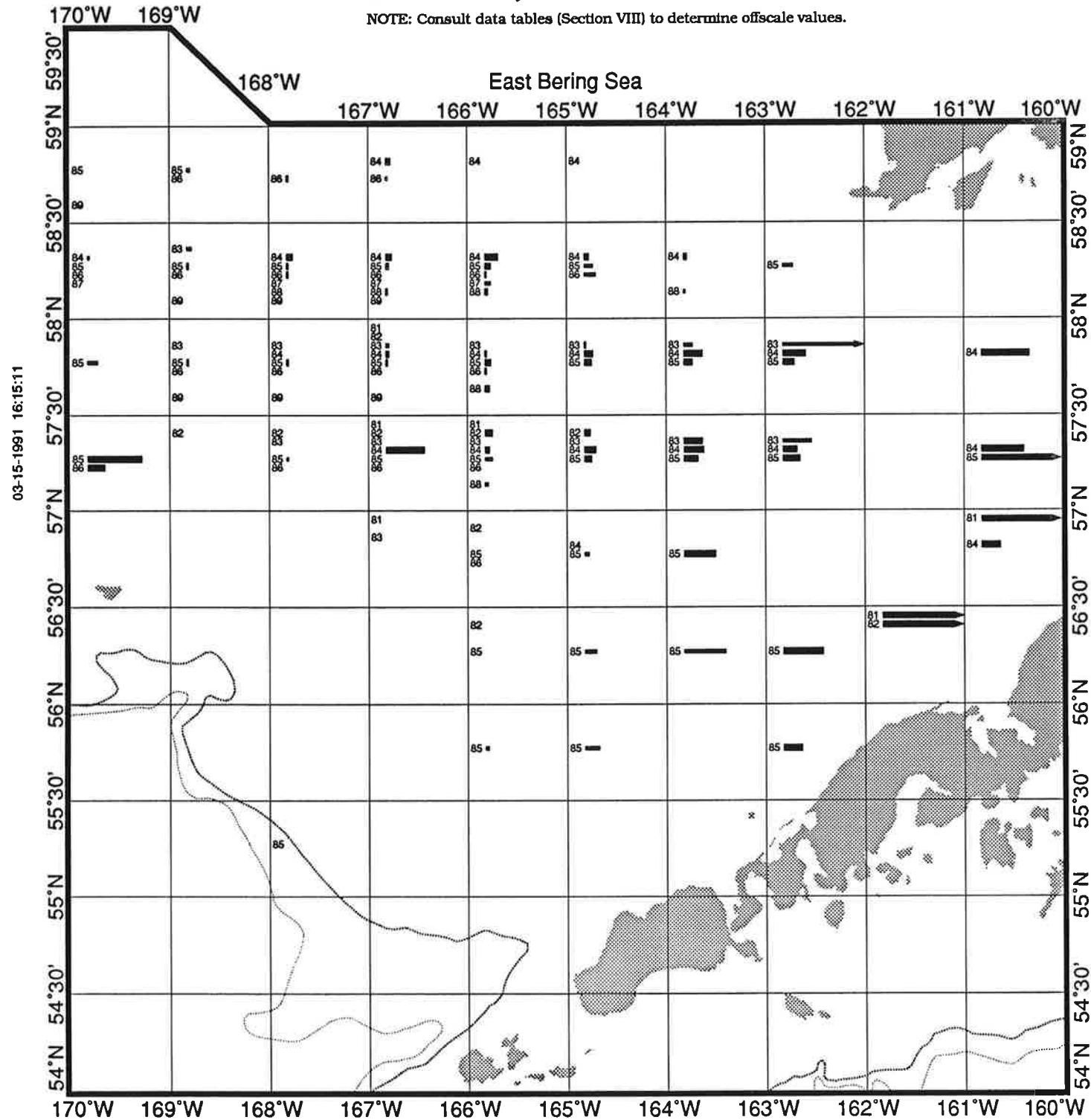
September YELLOWFIN SOLE King Crab Bycatch Rate

..... 200 Meter Contour.
..... 1000 Meter Contour.

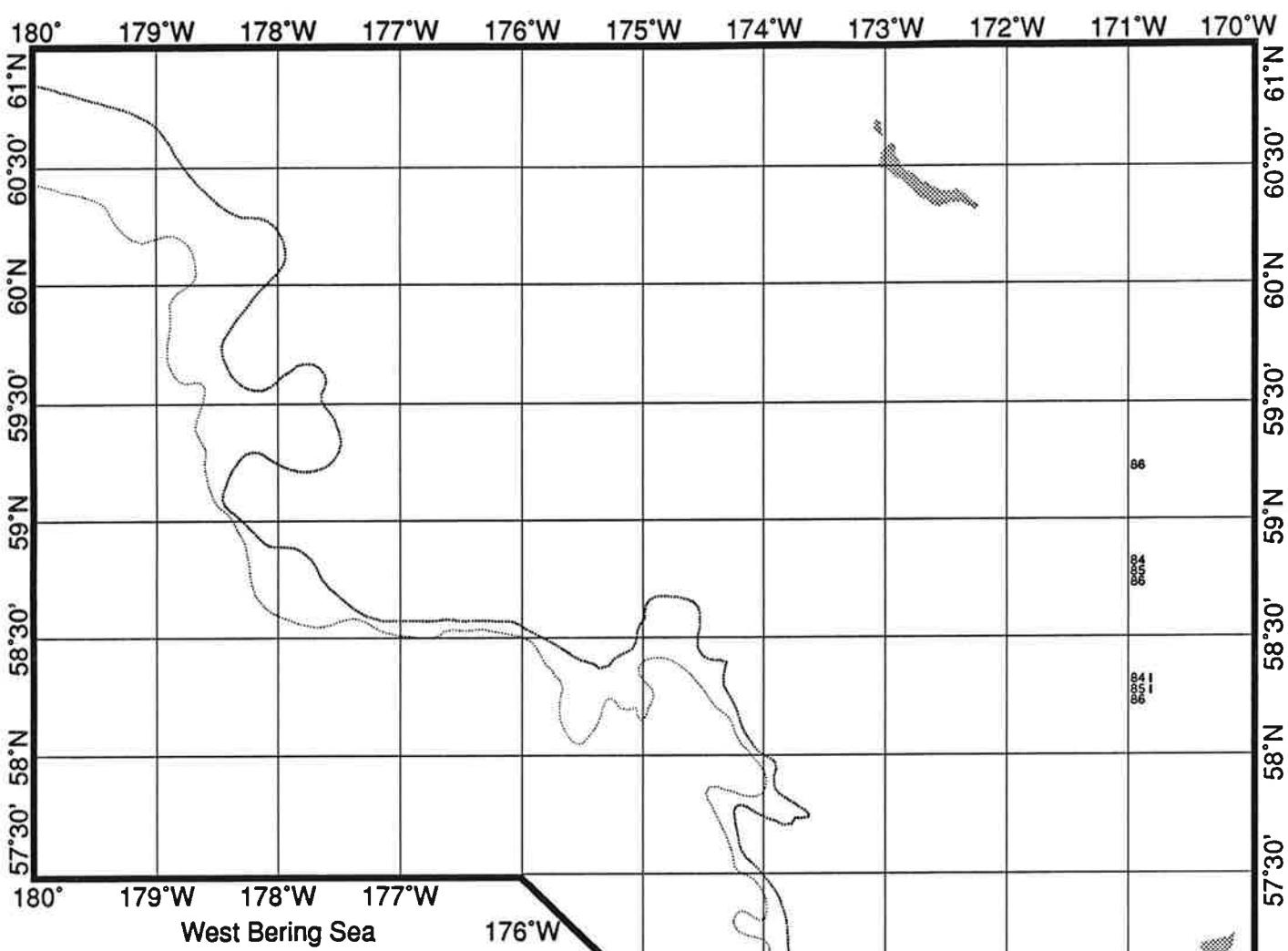
0 5 SCALE: Individuals per Metric Ton.

- 81 ——— 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
- 83 ——— 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
- 85 ————— 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
- 87 ————— 1987 Bycatch Rate Zero.

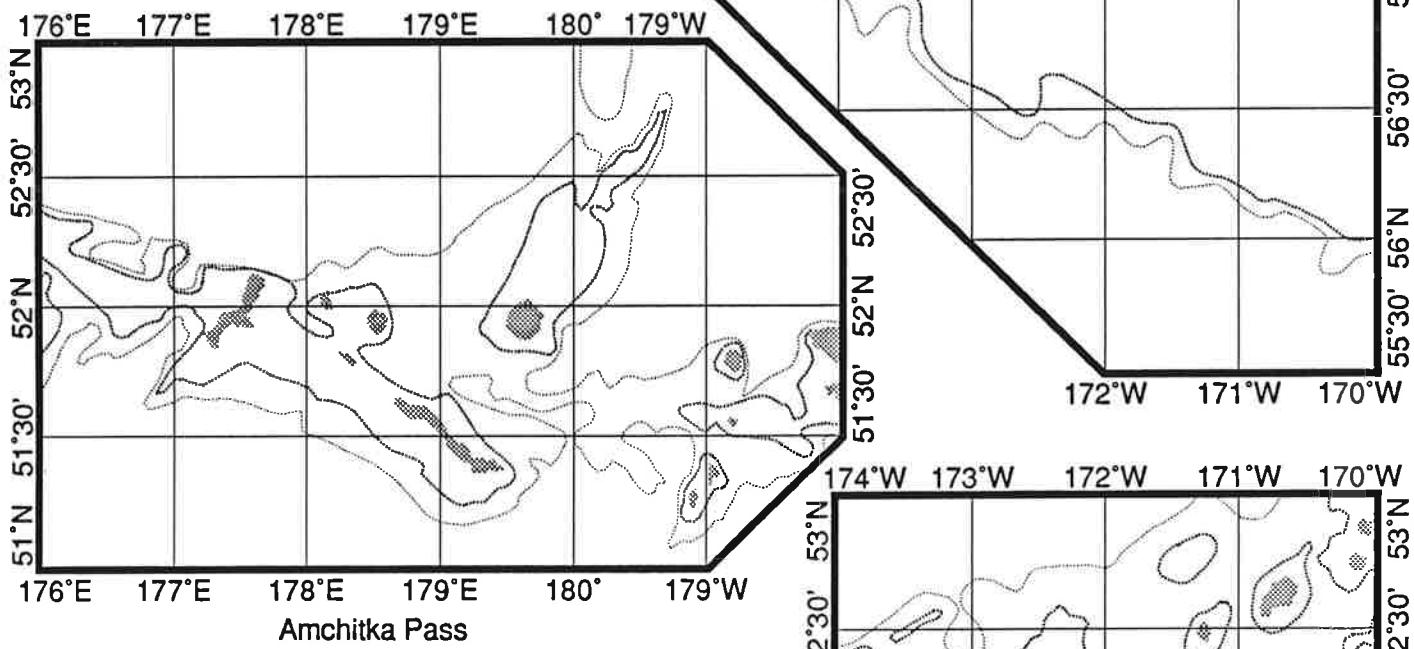
NOTE: Consult data tables (Section VIII) to determine offscale values.



VI-20



West Bering Sea

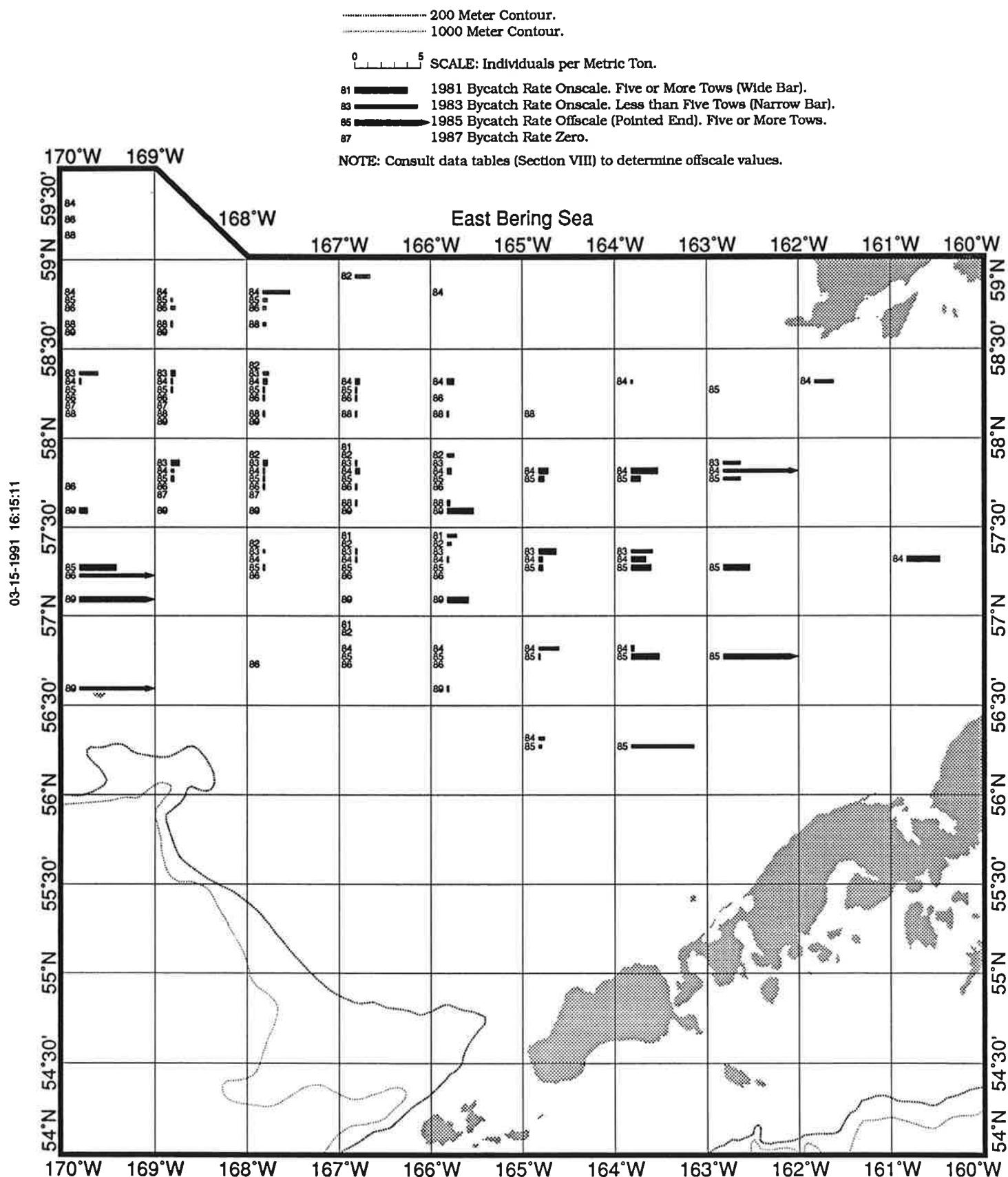


October
YELLOWFIN SOLE
King Crab Bycatch Rate

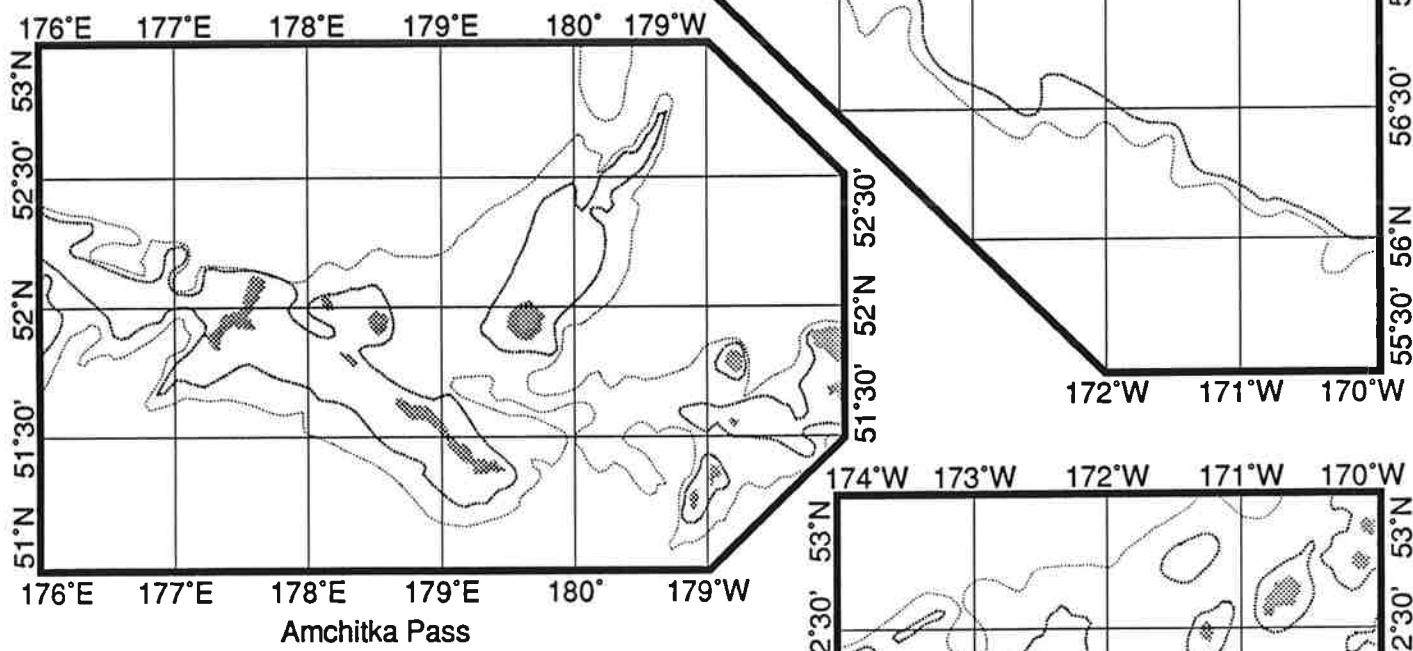
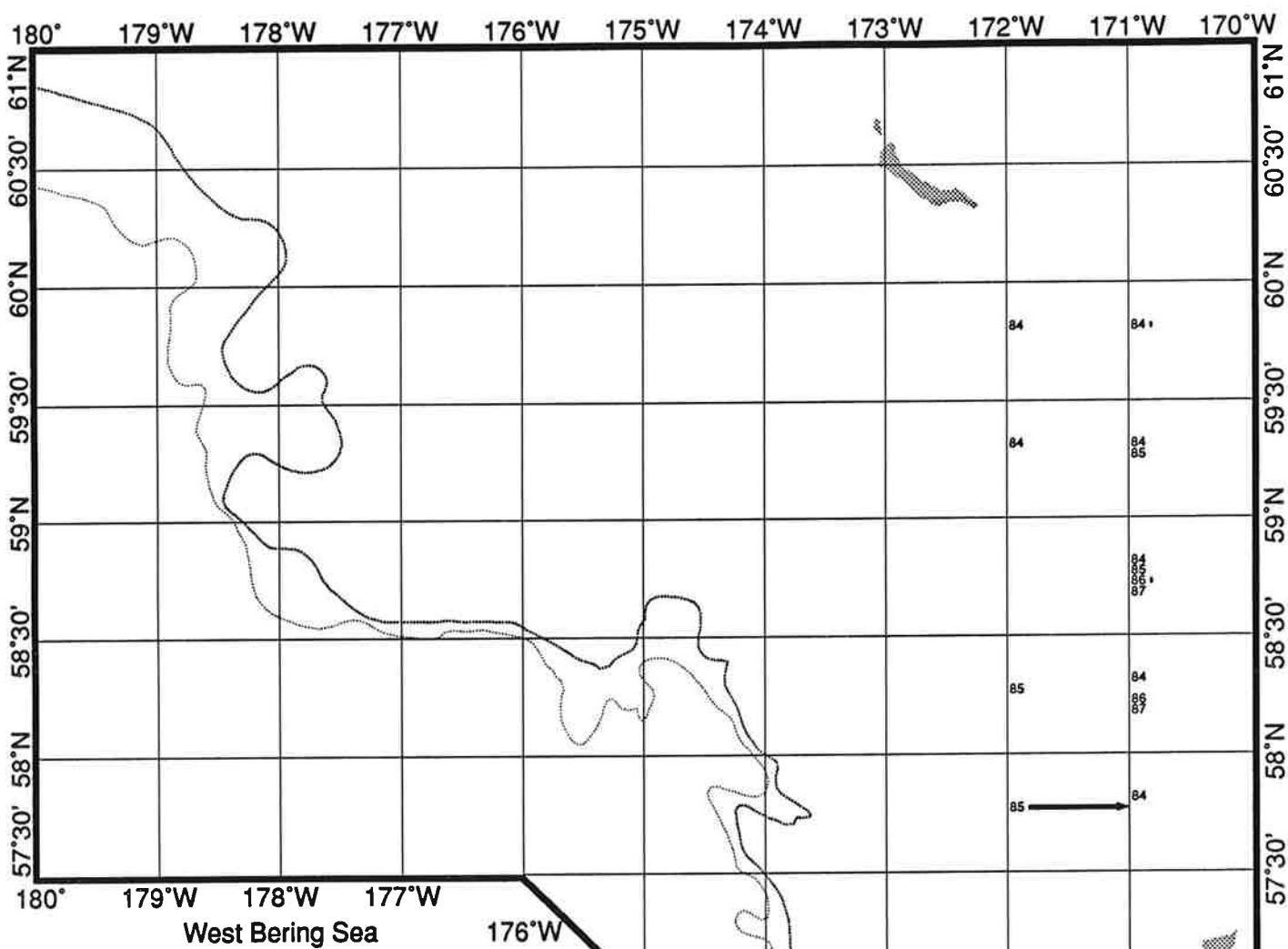
IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

03-15-1991 16:15:11

October
YELLOWFIN SOLE
King Crab Bycatch Rate

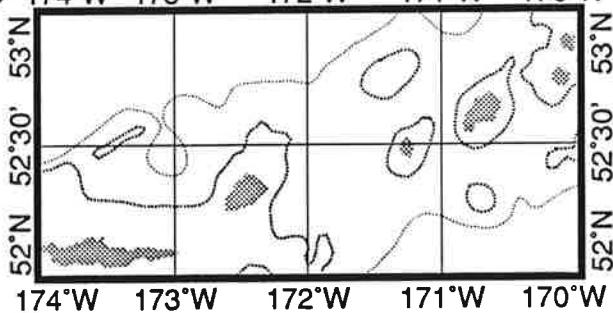


VI-22



November
YELLOWFIN SOLE
King Crab Bycatch Rate

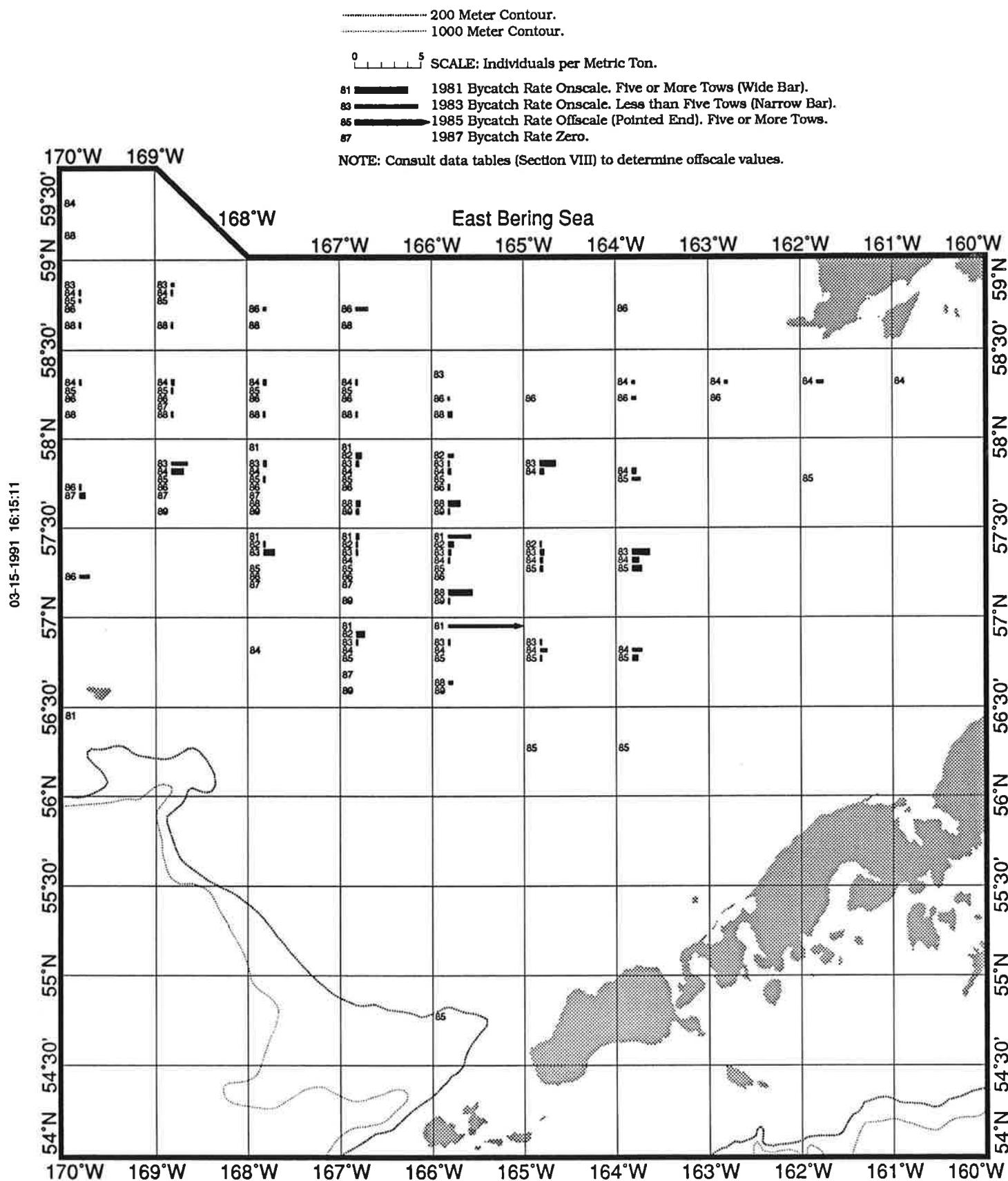
Seguam Pass



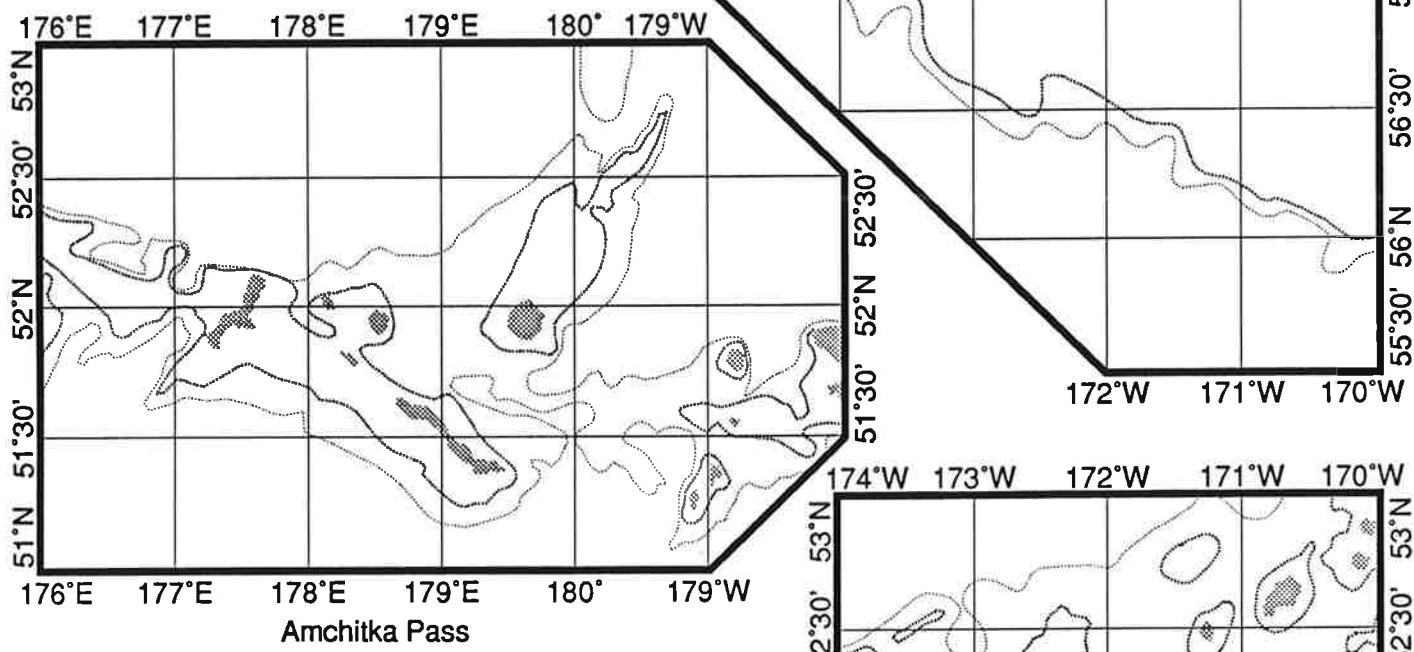
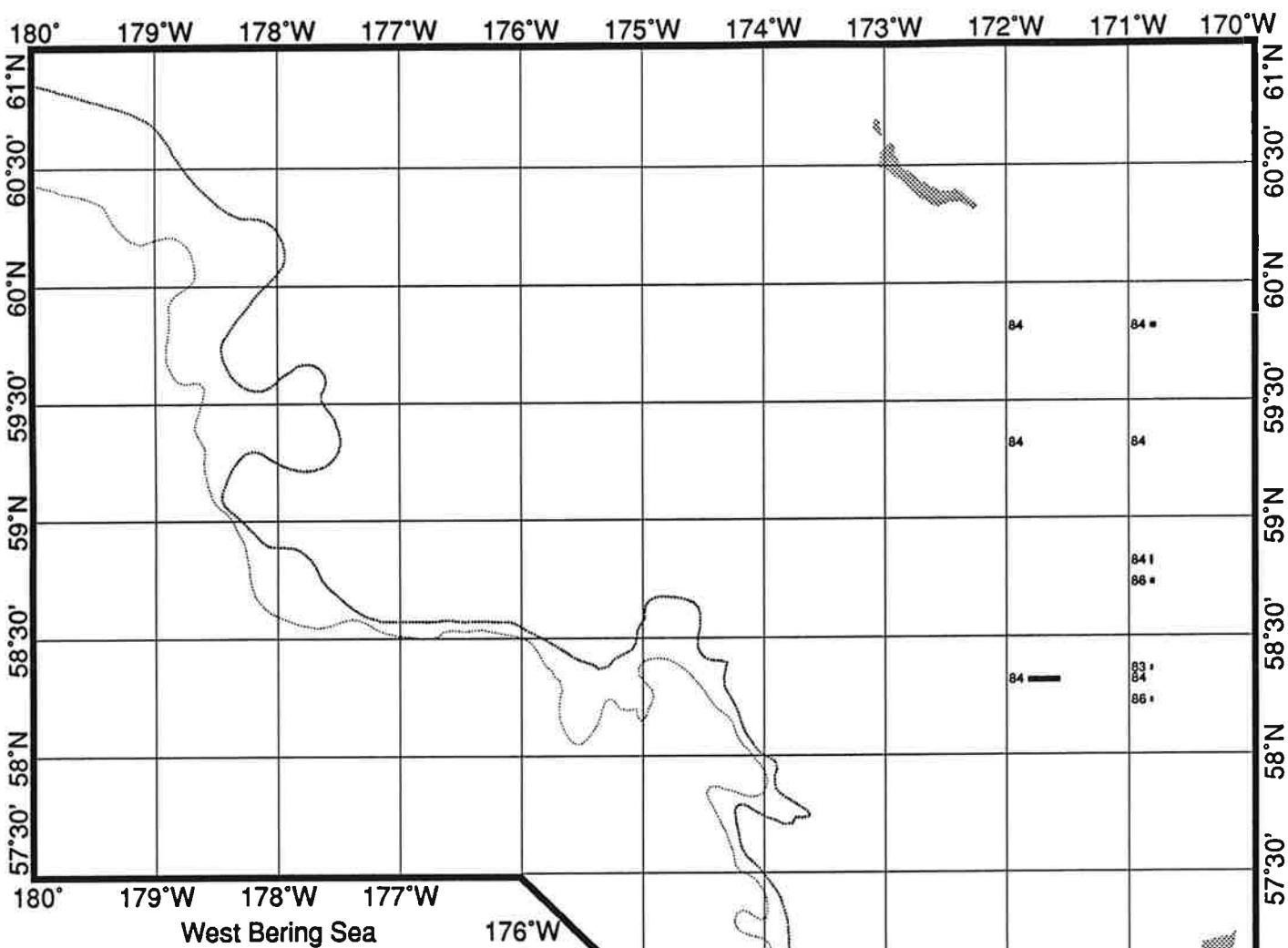
03-15-1991 16:15:11

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

November
YELLOWFIN SOLE
King Crab Bycatch Rate



VI-24

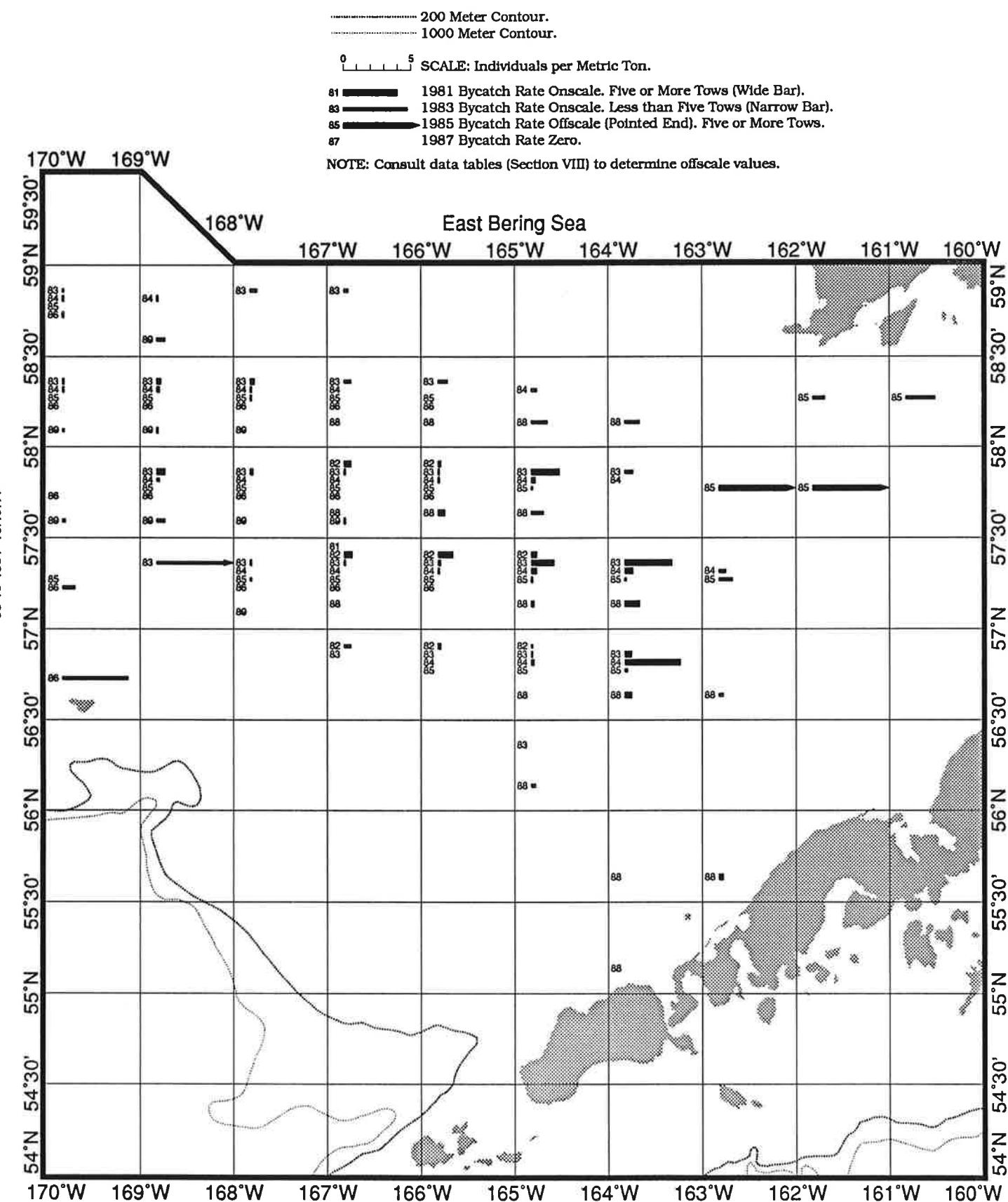


December
YELLOWFIN SOLE
King Crab Bycatch Rate

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

03-15-1991 16:15:11

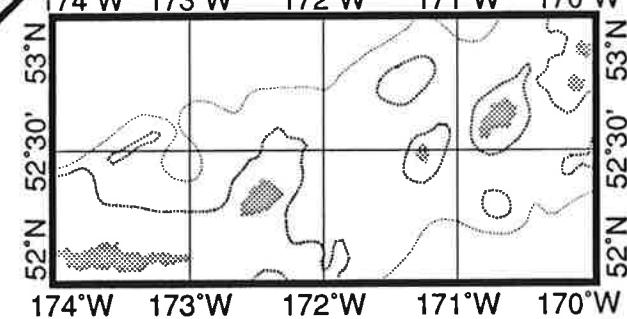
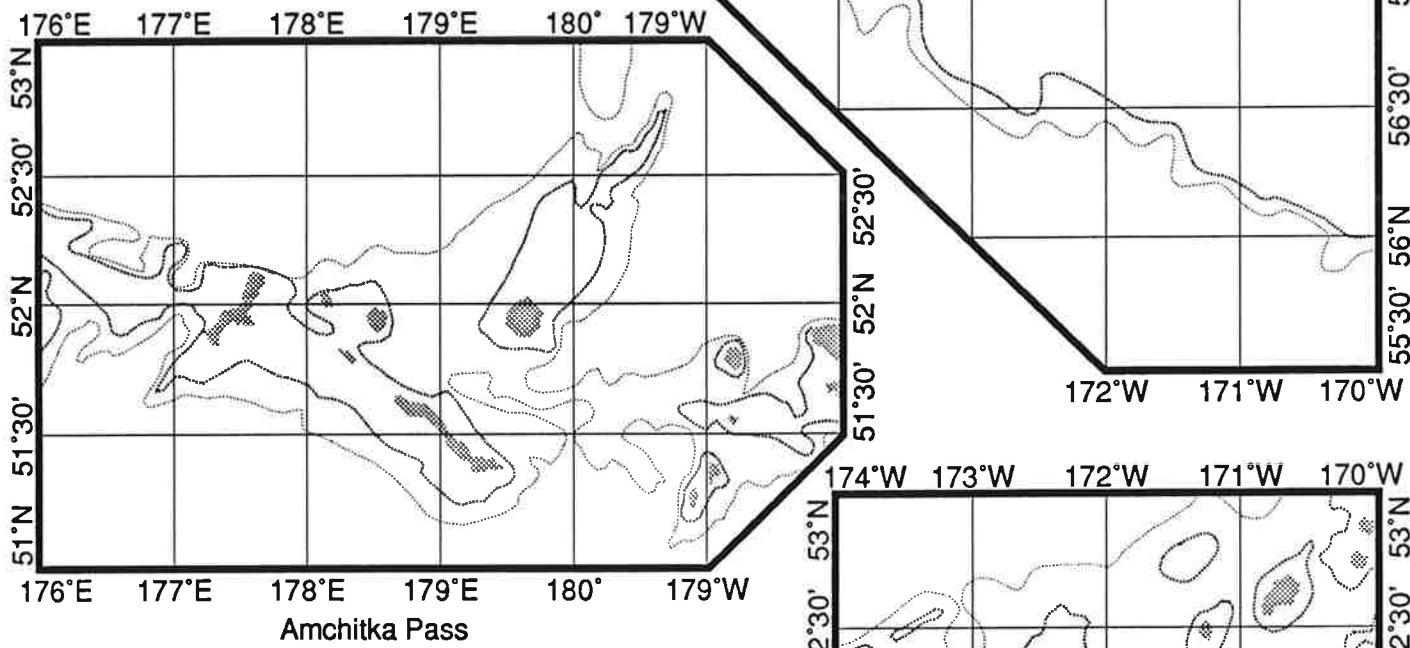
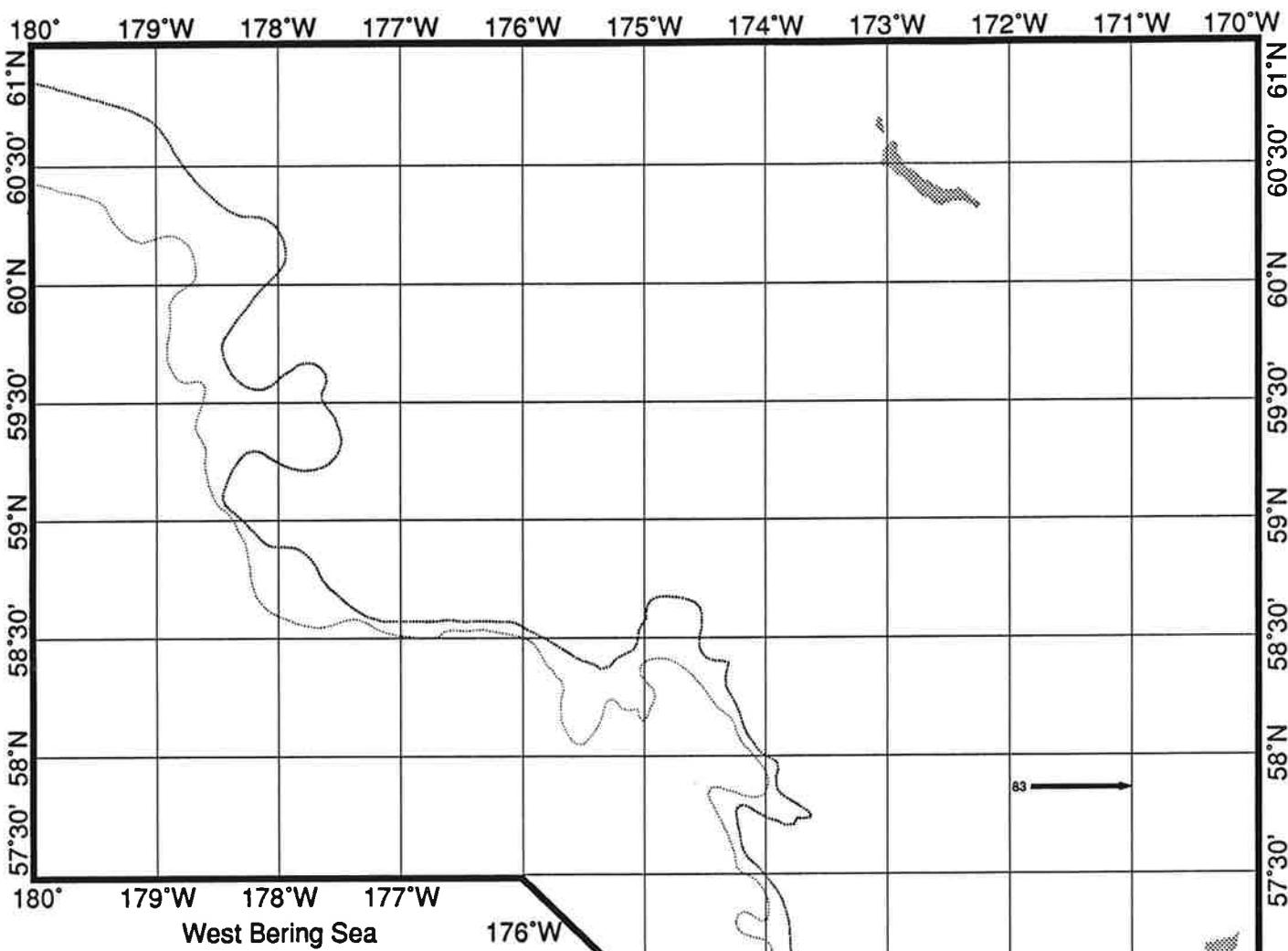
**December
YELLOWFIN SOLE
King Crab Bycatch Rate**



SECTION VII

TANNER CRAB BYCATCH RATE CHARTS

VII-2



January
YELLOWFIN SOLE
Tanner Crab Bycatch Rate

Seguam Pass

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

03-15-1991 16:32:28

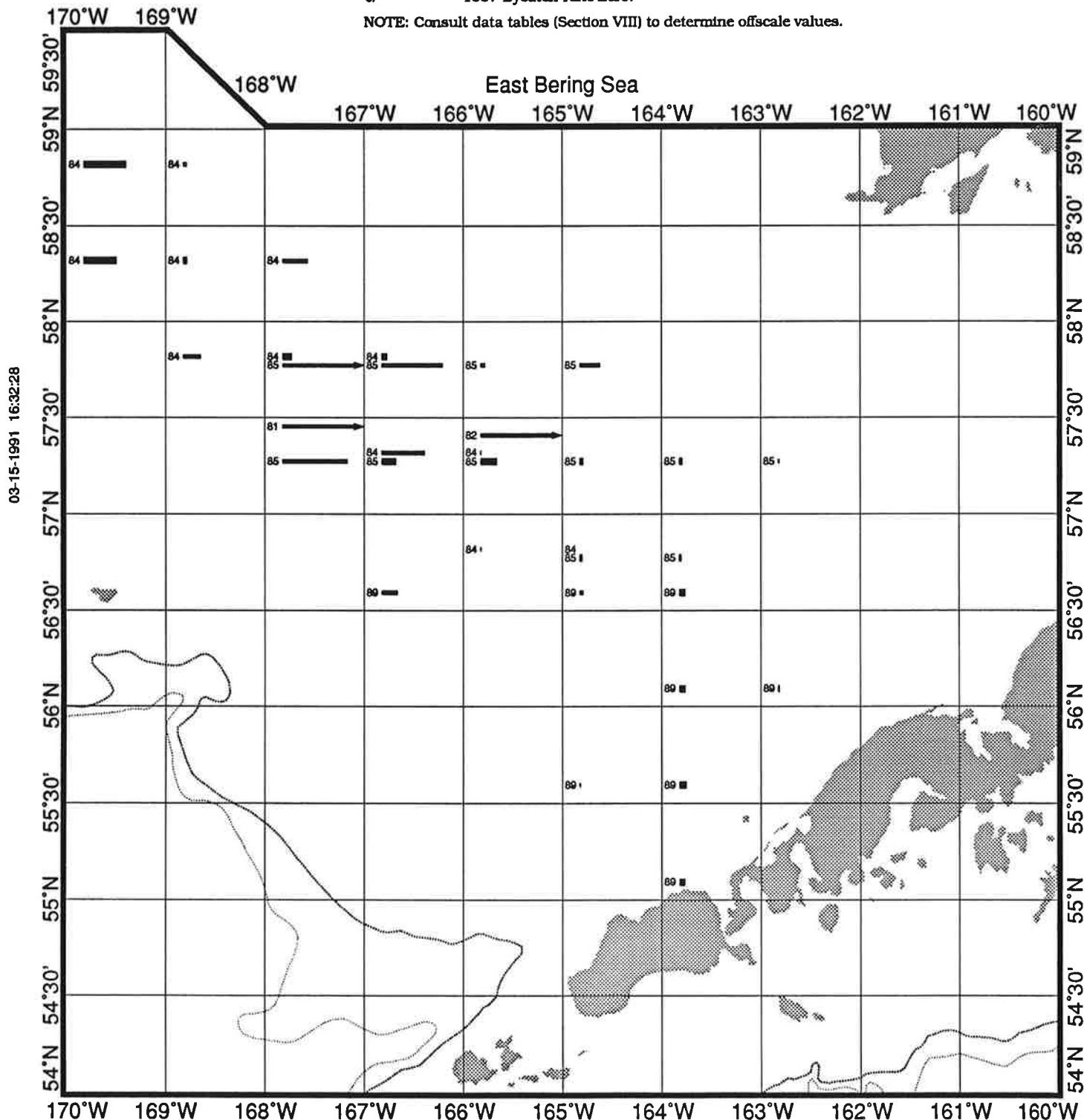
January
YELLOWFIN SOLE
Tanner Crab Bycatch Rate

..... 200 Meter Contour.
..... 1000 Meter Contour.

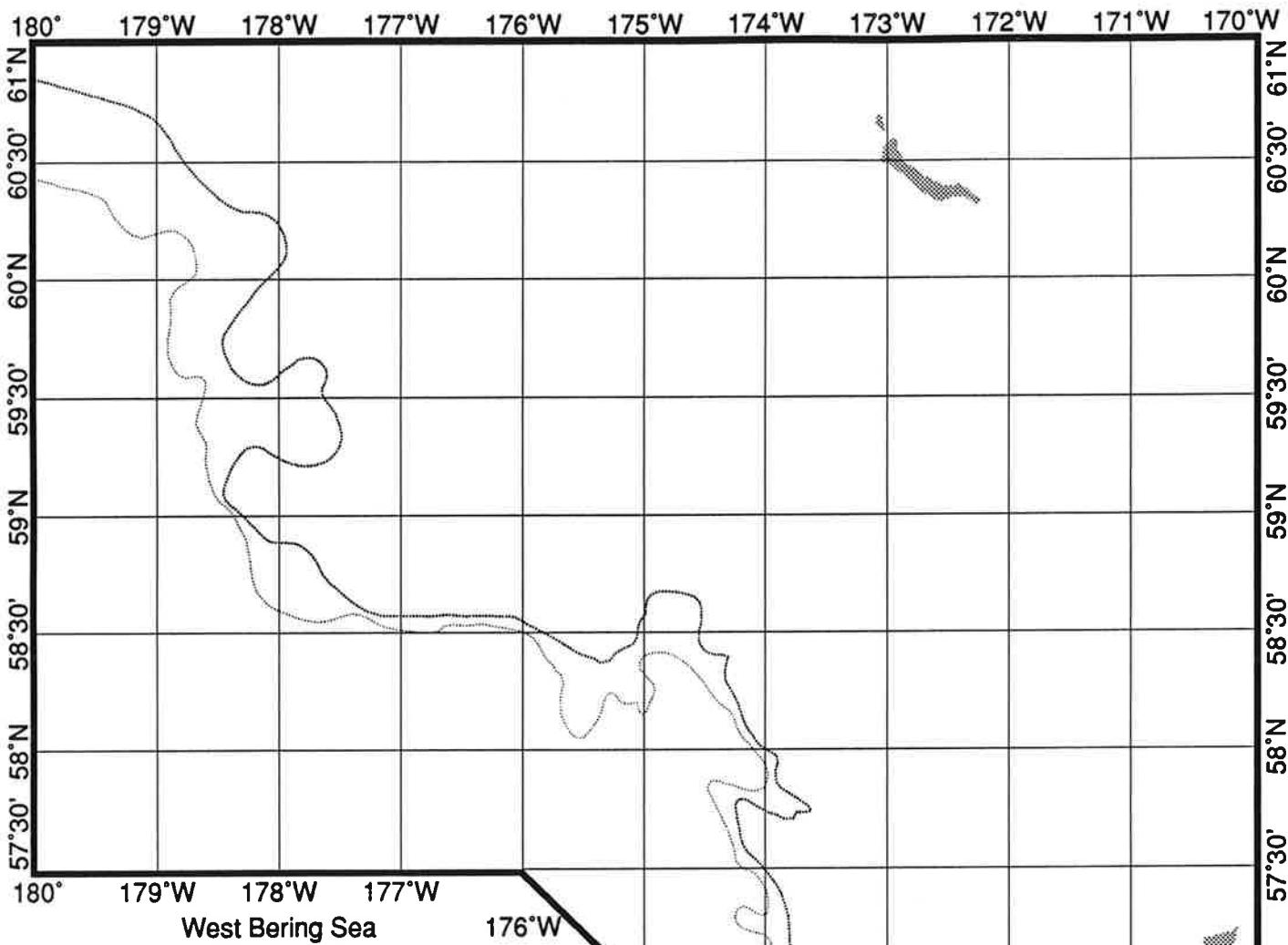
0 50 SCALE: Individuals per Metric Ton.

- 81 ——— 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
- 83 ——— 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
- 85 ——— 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
- 87 ——— 1987 Bycatch Rate Zero.

NOTE: Consult data tables (Section VIII) to determine offscale values.

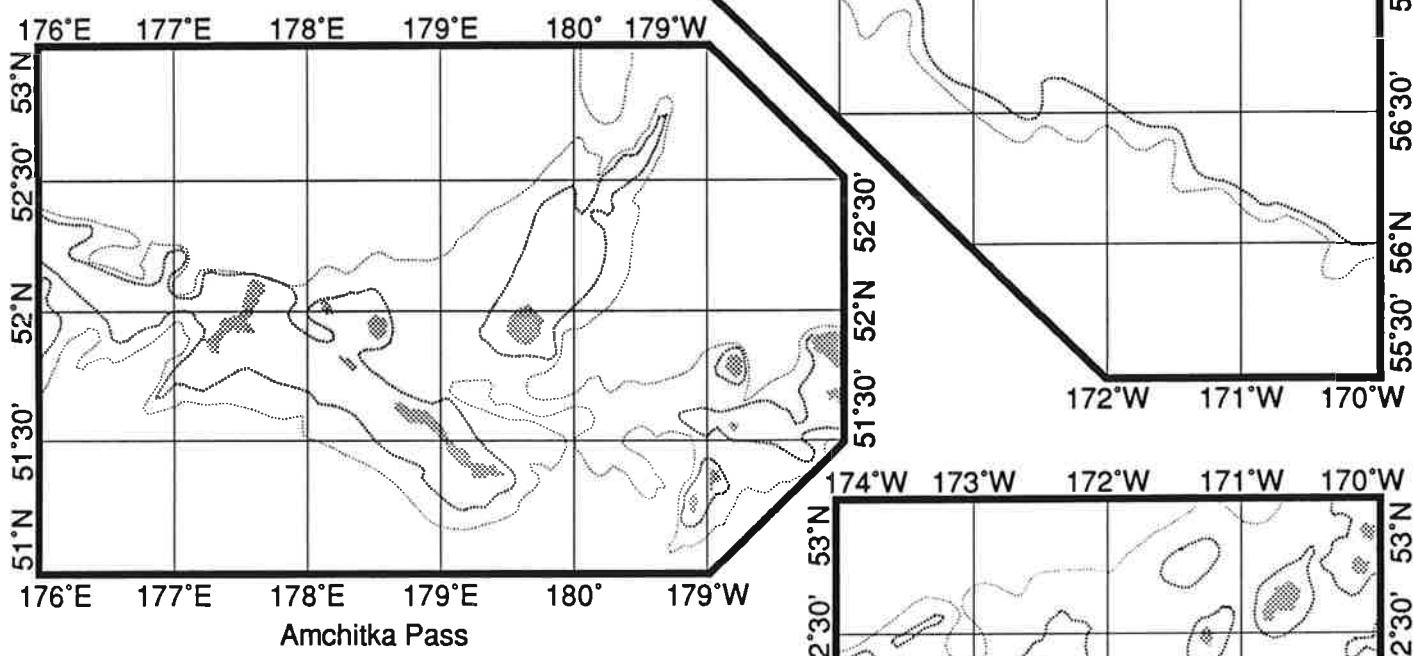


VII-4



West Bering Sea

03-16-1991 16:15:06

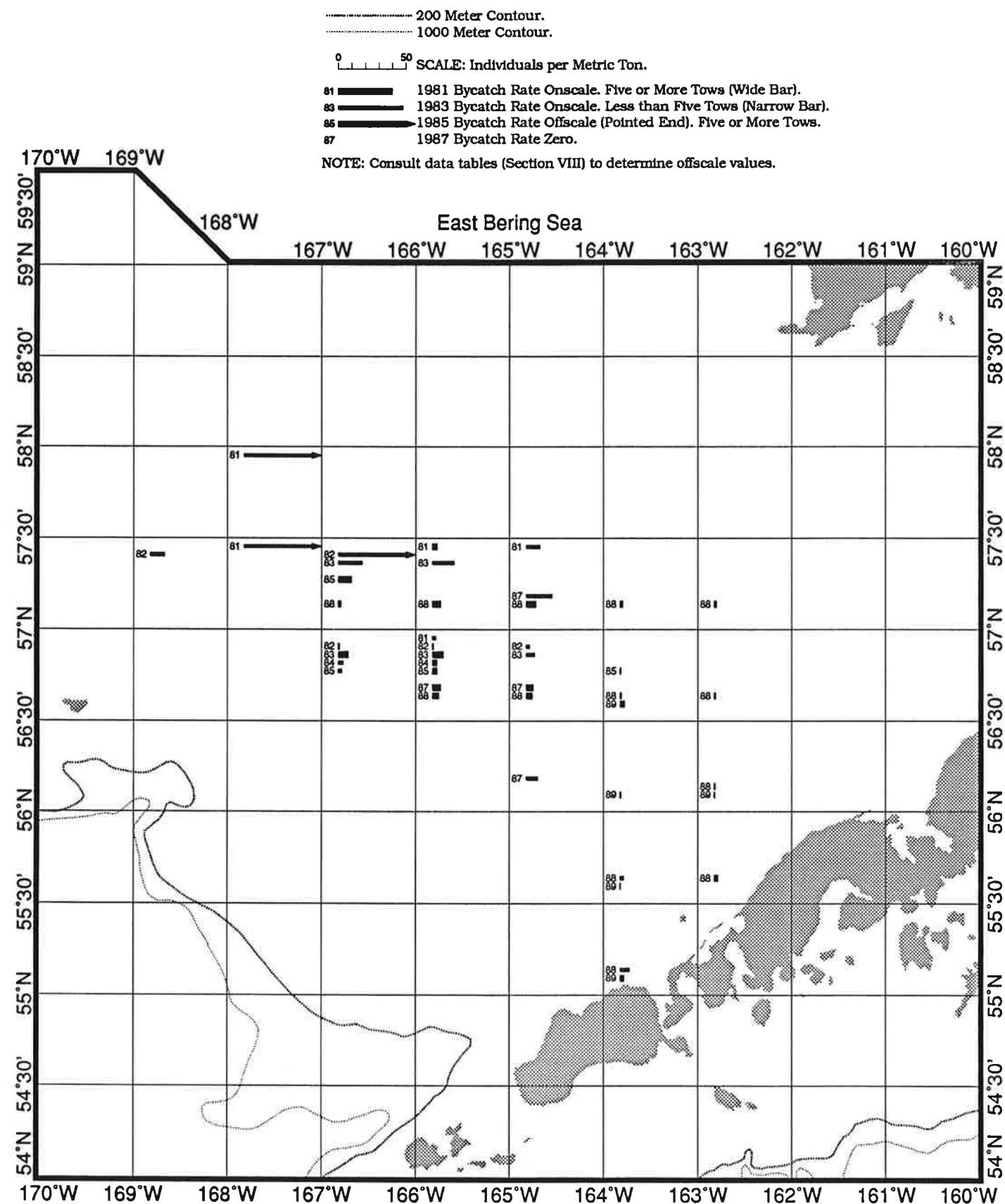


February
YELLOWFIN SOLE
Tanner Crab Bycatch Rate

Seguam Pass

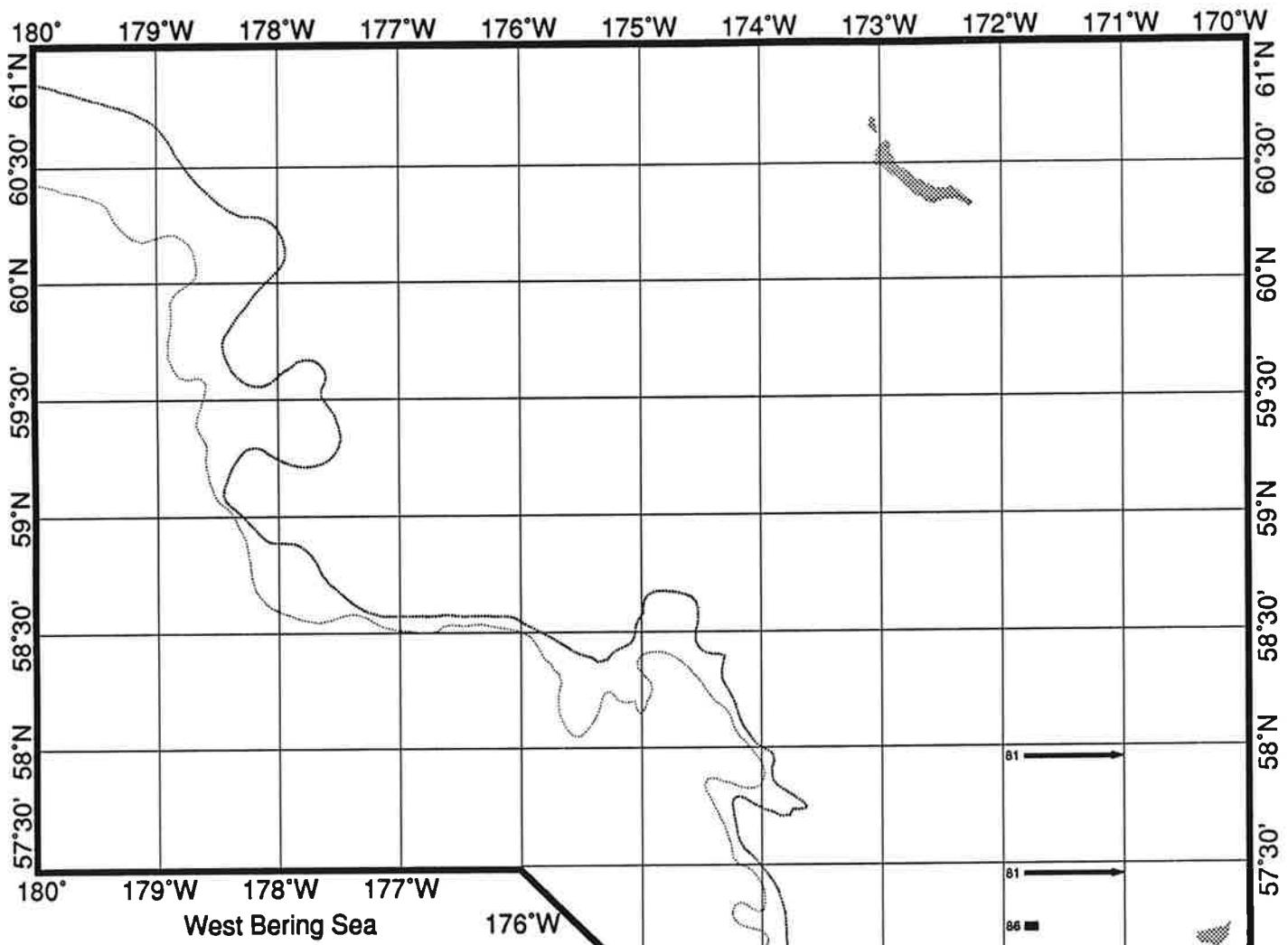
IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

February
YELLOWFIN SOLE
Tanner Crab Bycatch Rate

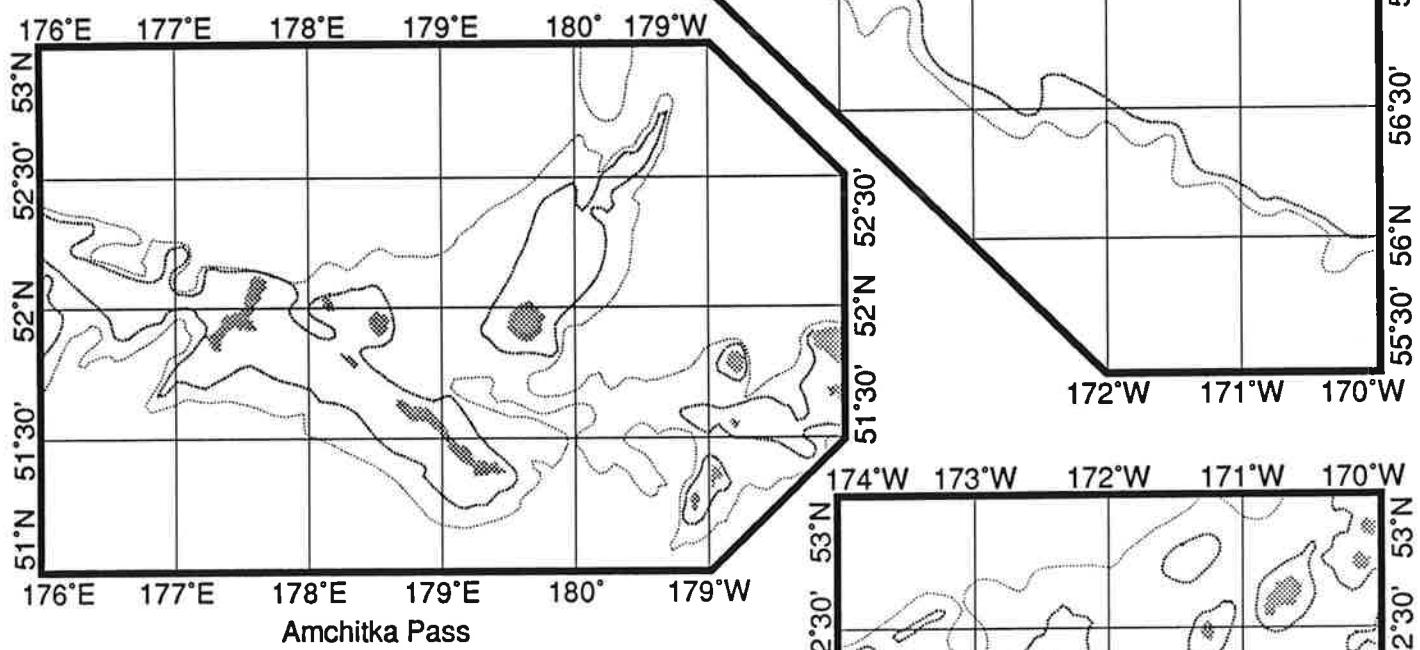


IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

VII-6



West Bering Sea



Amchitka Pass

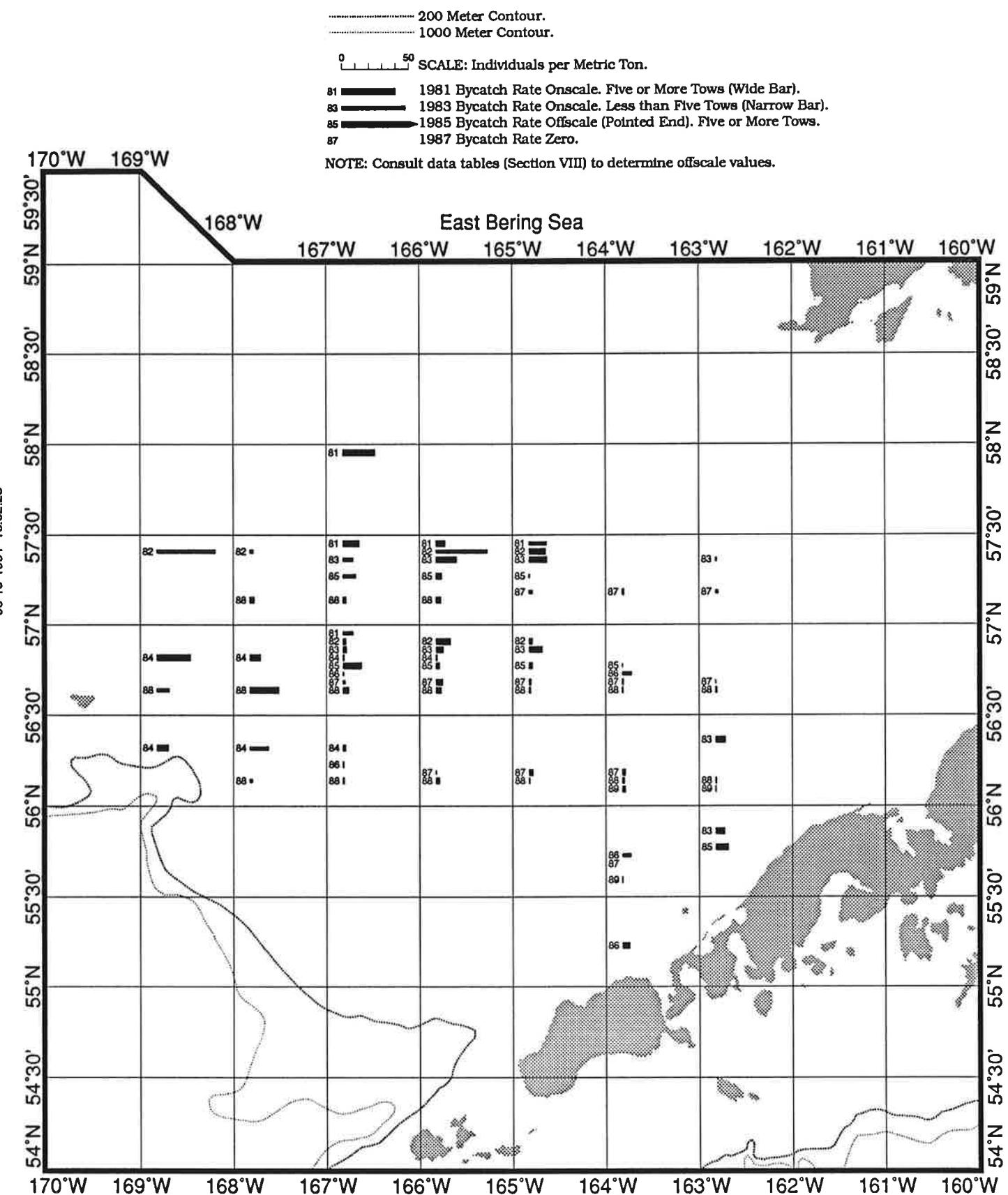
Seguam Pass

March
YELLOWFIN SOLE
Tanner Crab Bycatch Rate

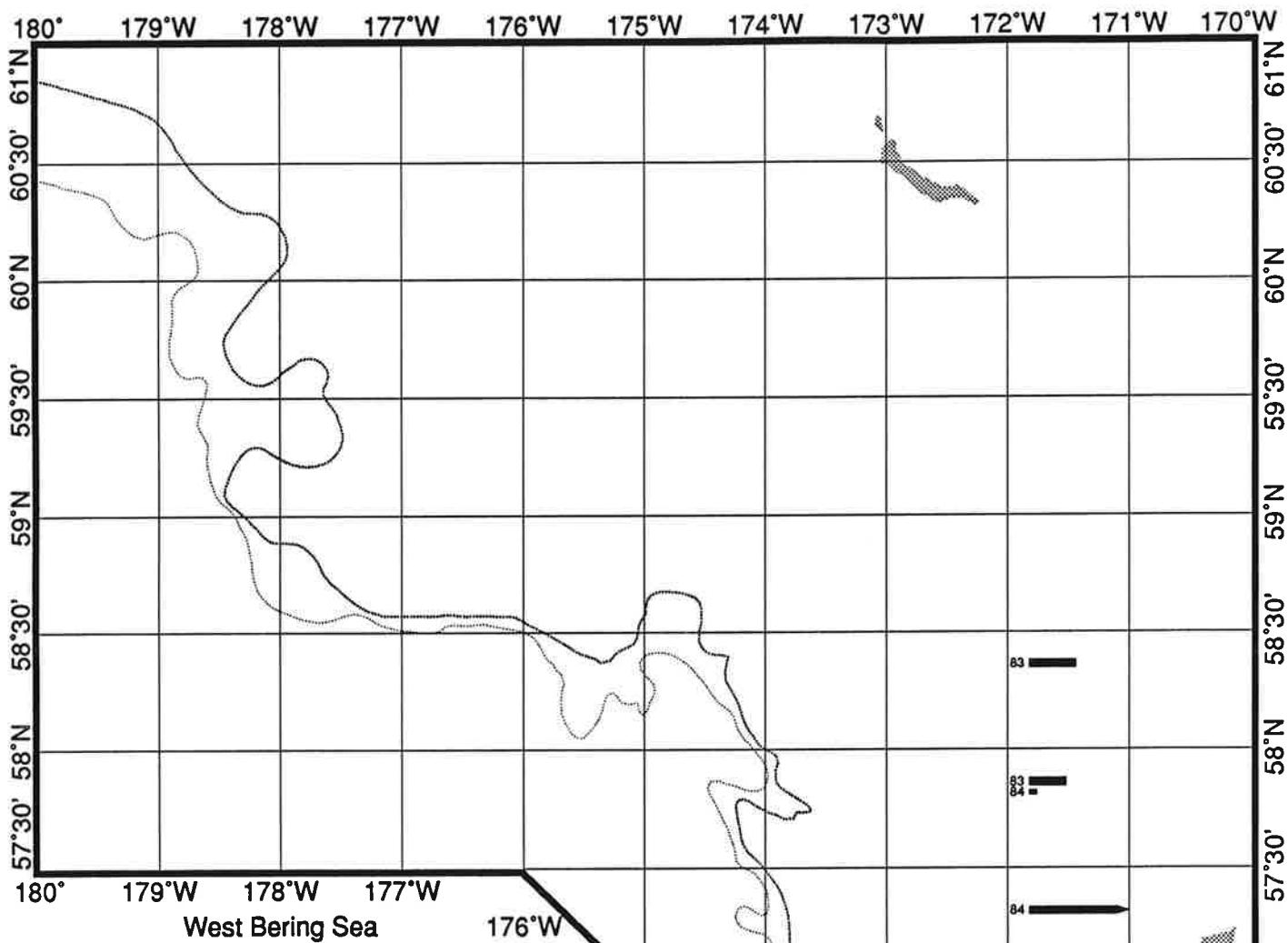
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IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

March
YELLOWFIN SOLE
Tanner Crab Bycatch Rate

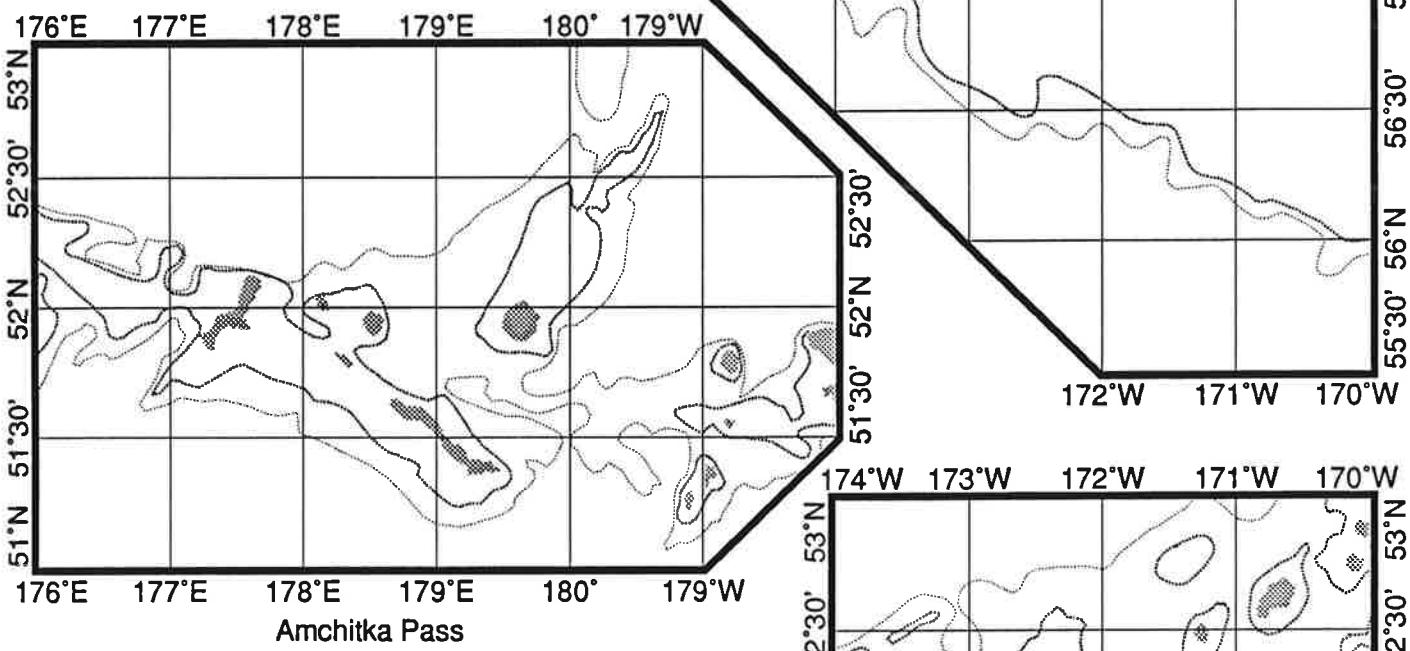


VII-8



West Bering Sea

176°W



Amchitka Pass

Seguam Pass

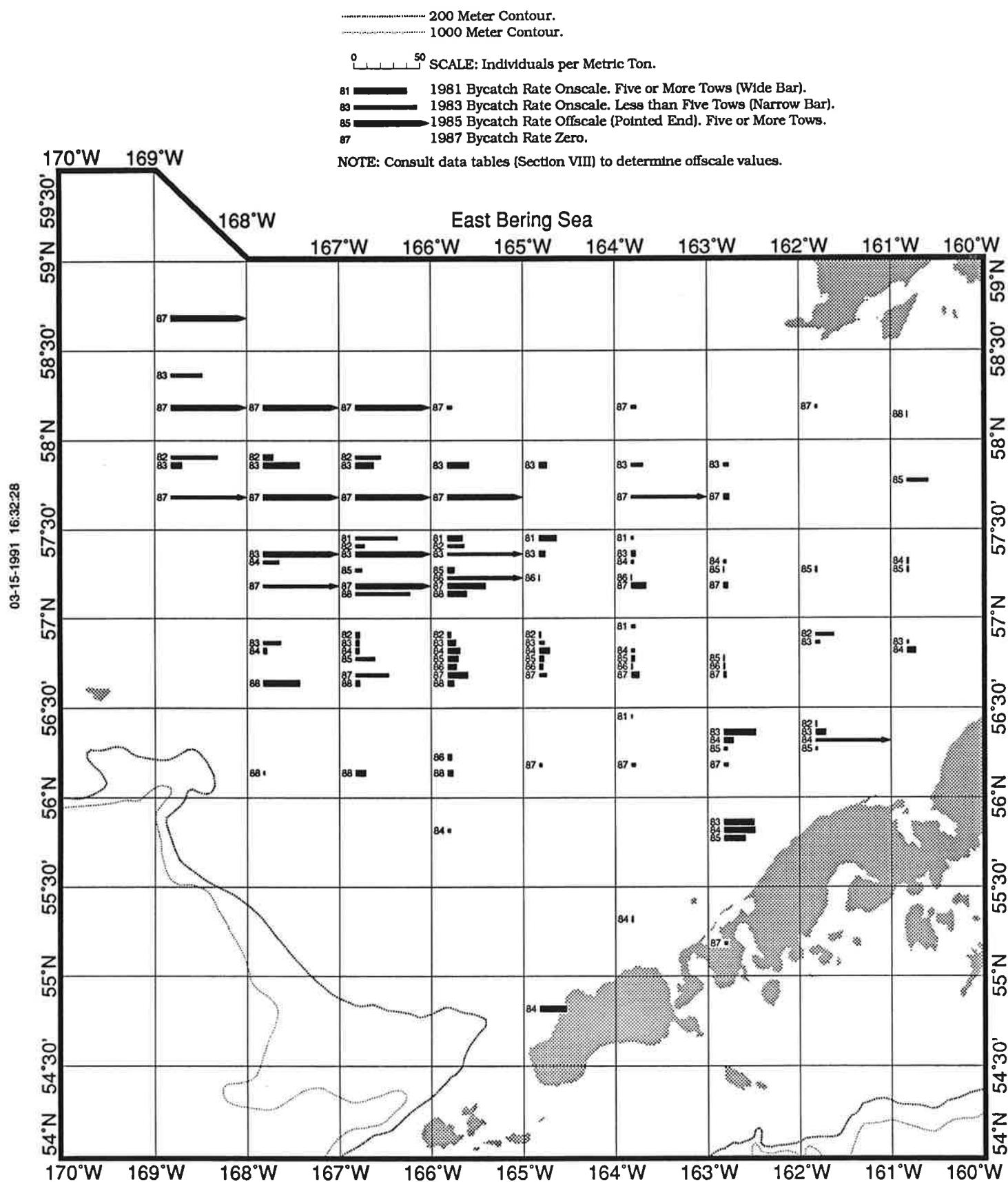
April
YELLOWFIN SOLE
Tanner Crab Bycatch Rate

174°W 173°W 172°W 171°W 170°W

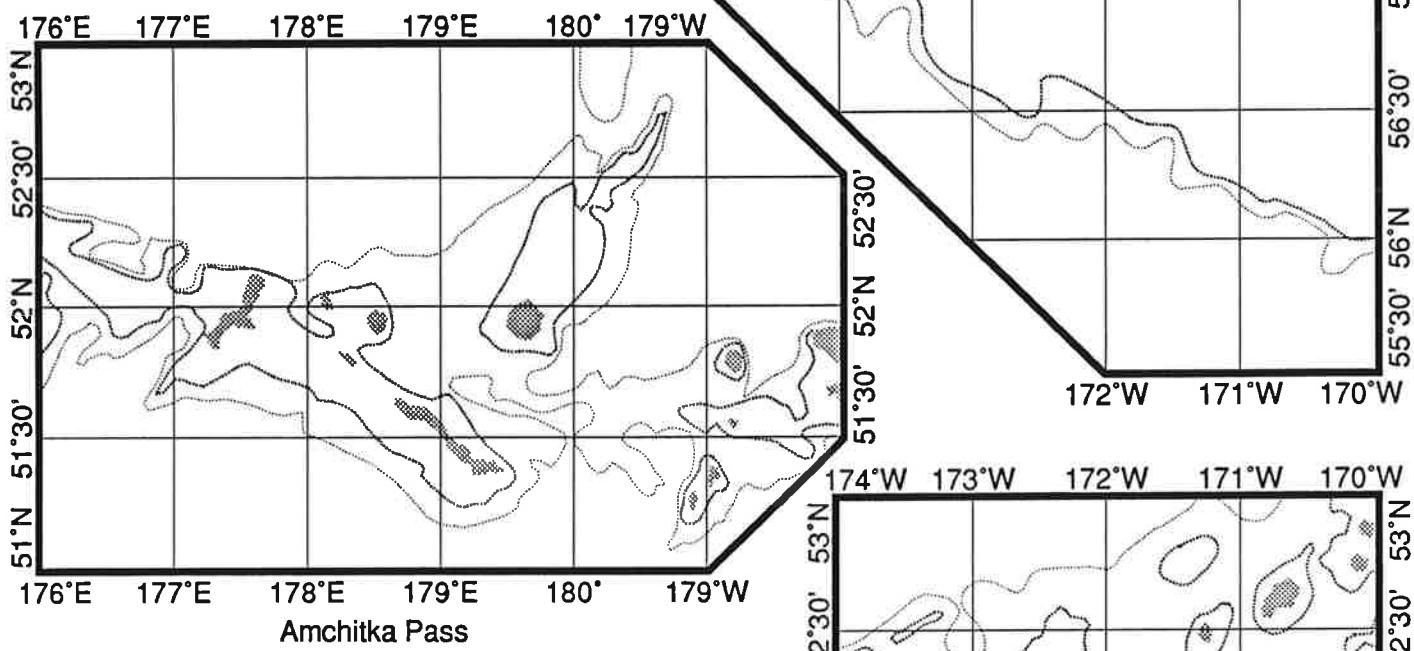
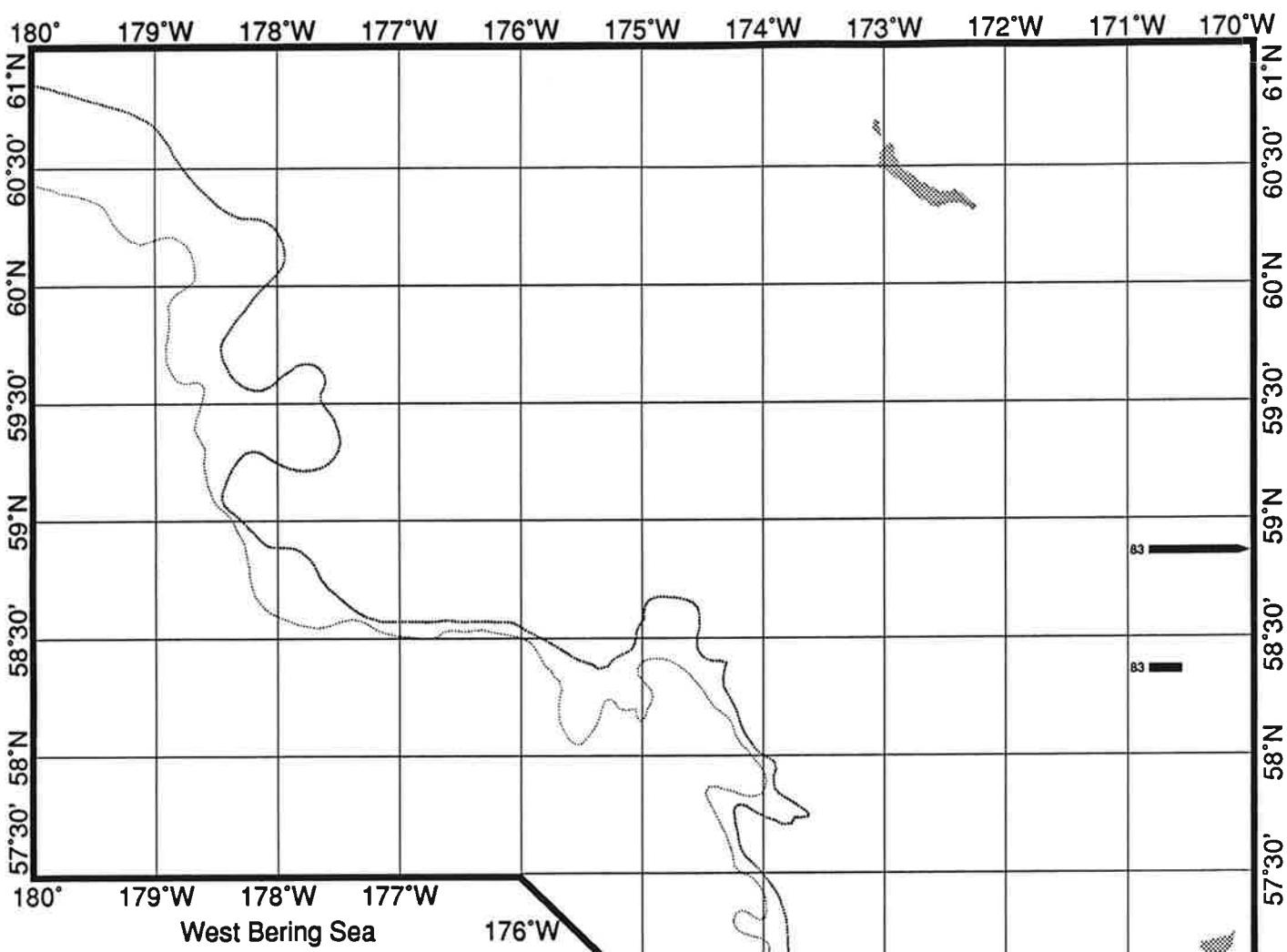
03-15-1991 16:32:28

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

April
YELLOWFIN SOLE
Tanner Crab Bycatch Rate



VII-10



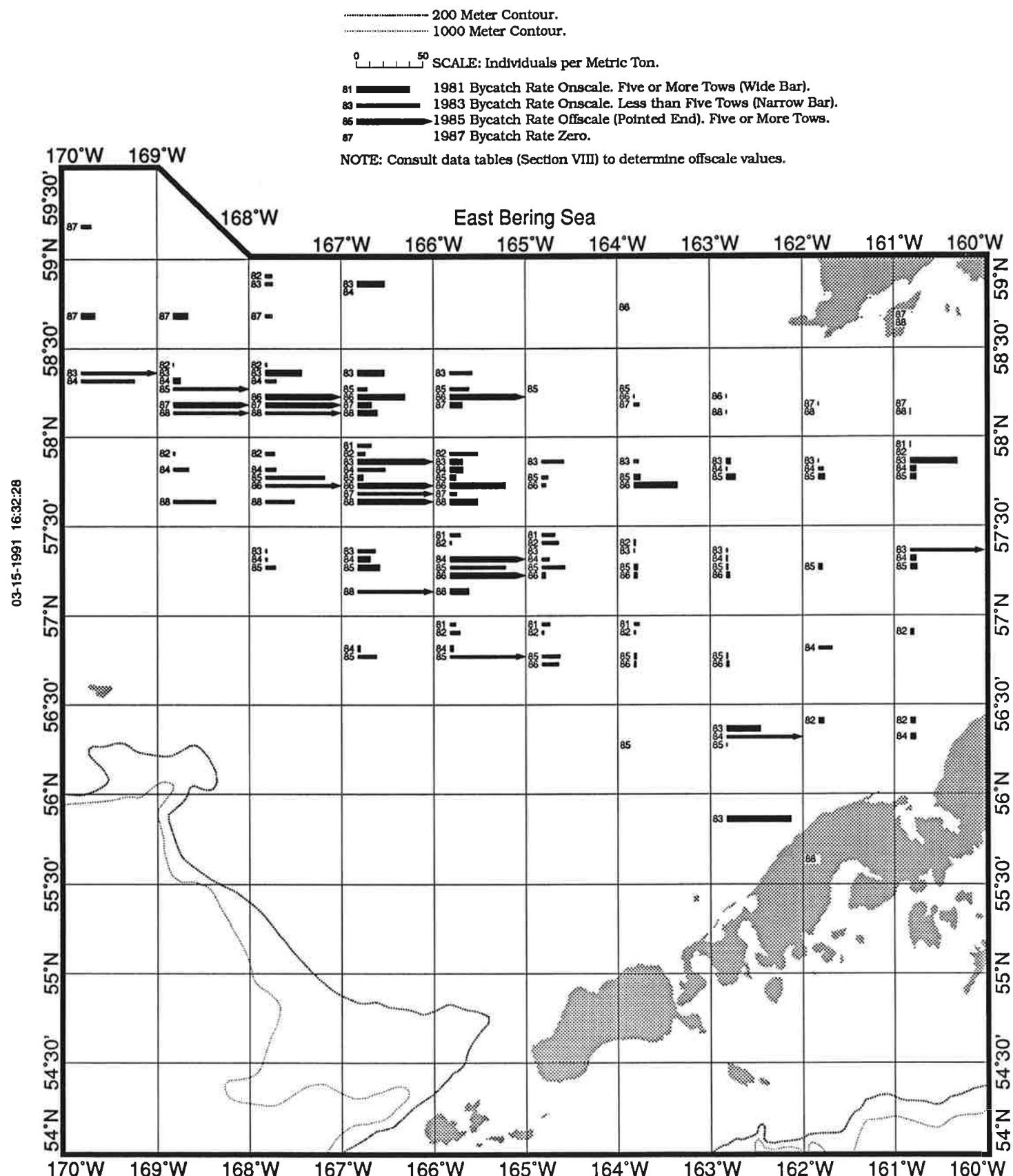
May
YELLOWFIN SOLE
Tanner Crab Bycatch Rate

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

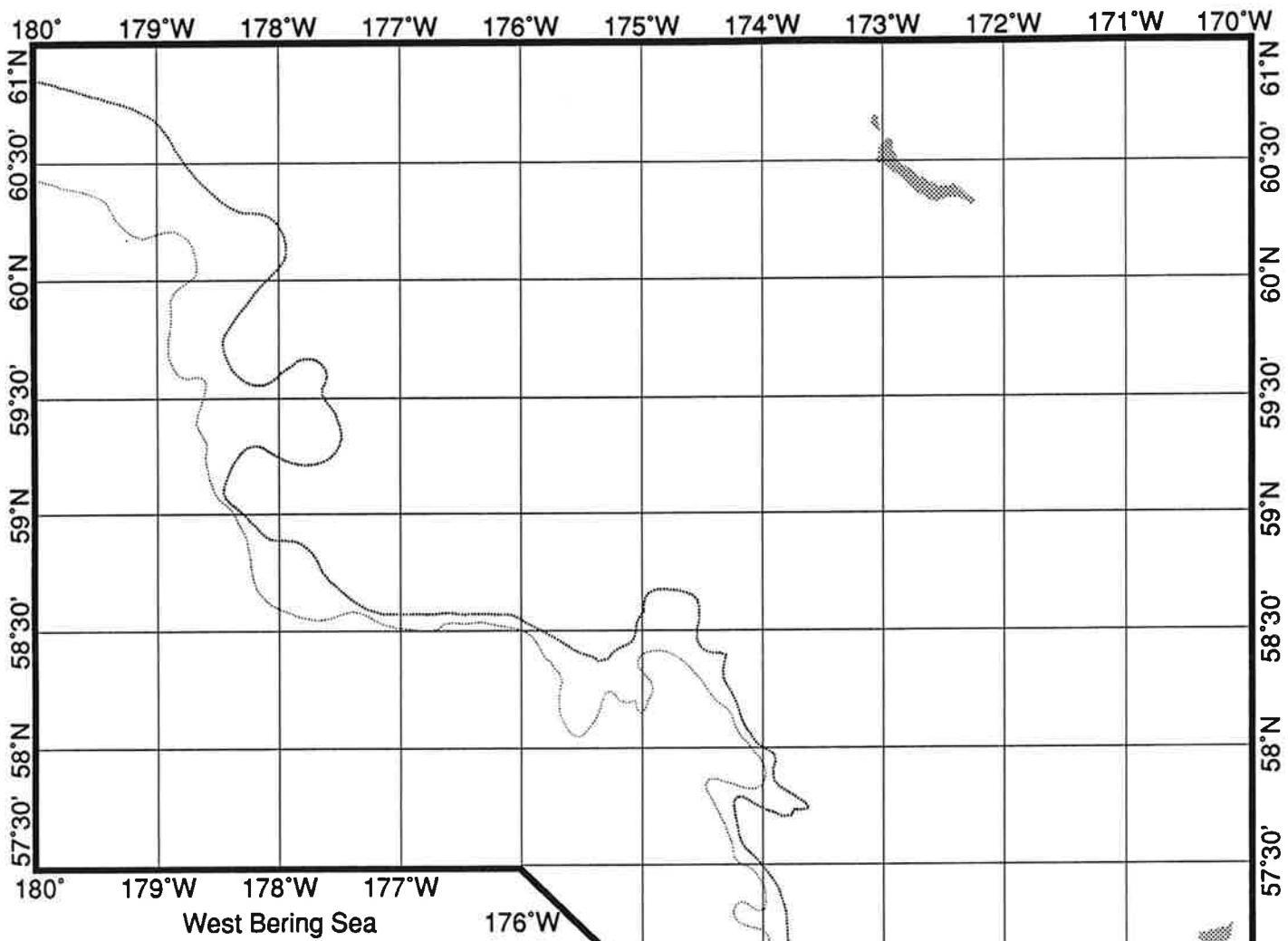
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May

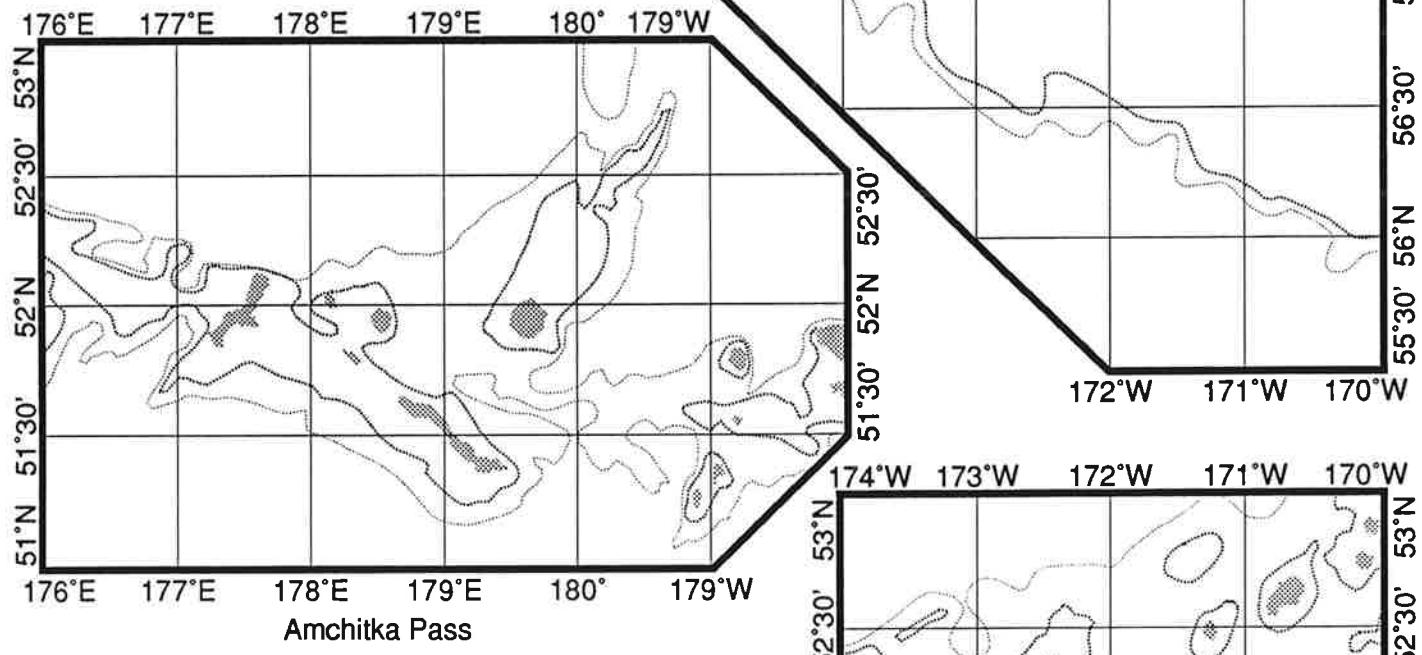
YELLOWFIN SOLE Tanner Crab Bycatch Rate



VII-12



West Bering Sea



Amchitka Pass

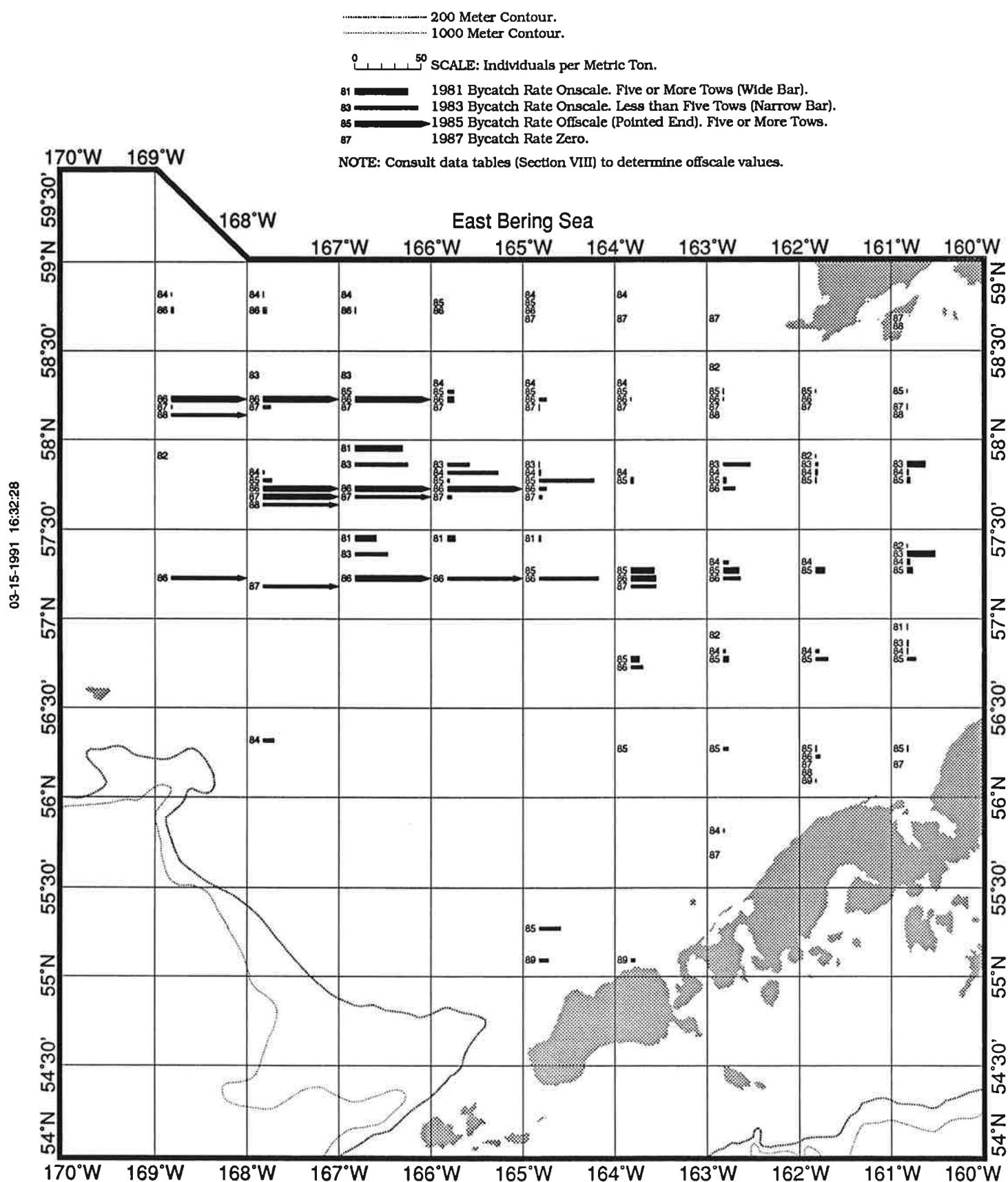
Seguam Pass

June
YELLOWFIN SOLE
Tanner Crab Bycatch Rate

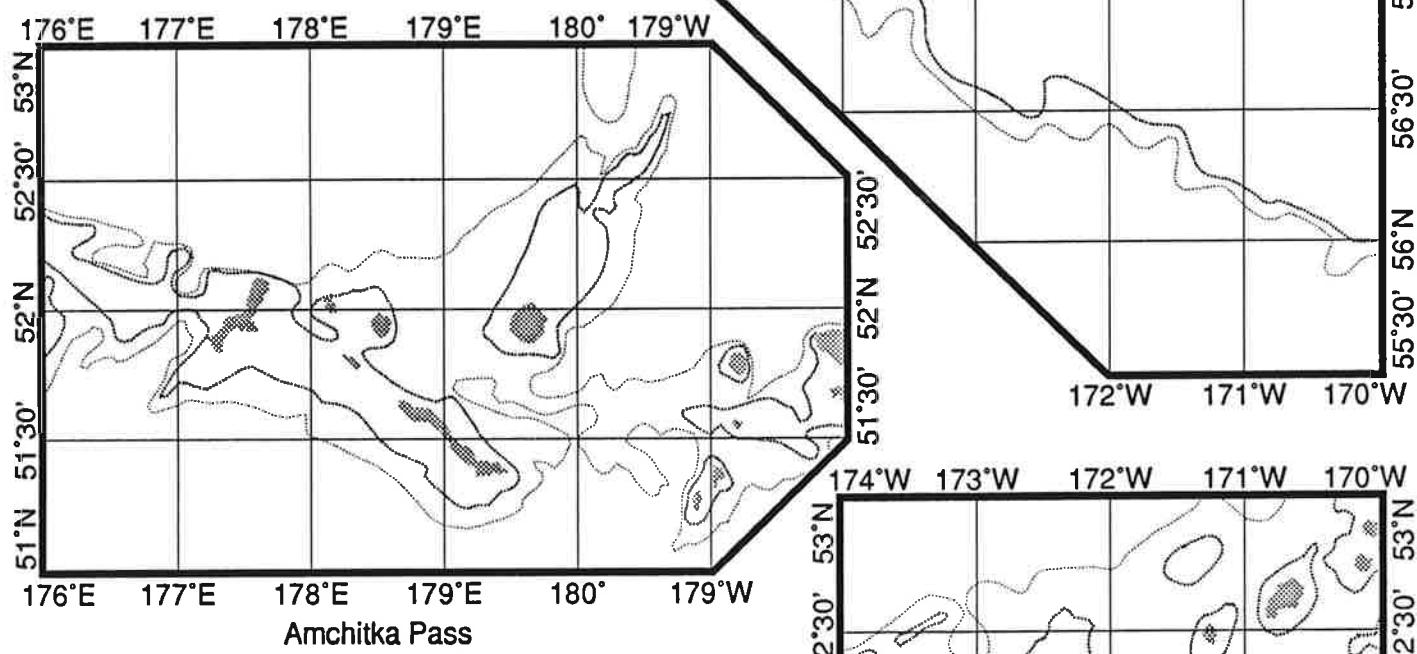
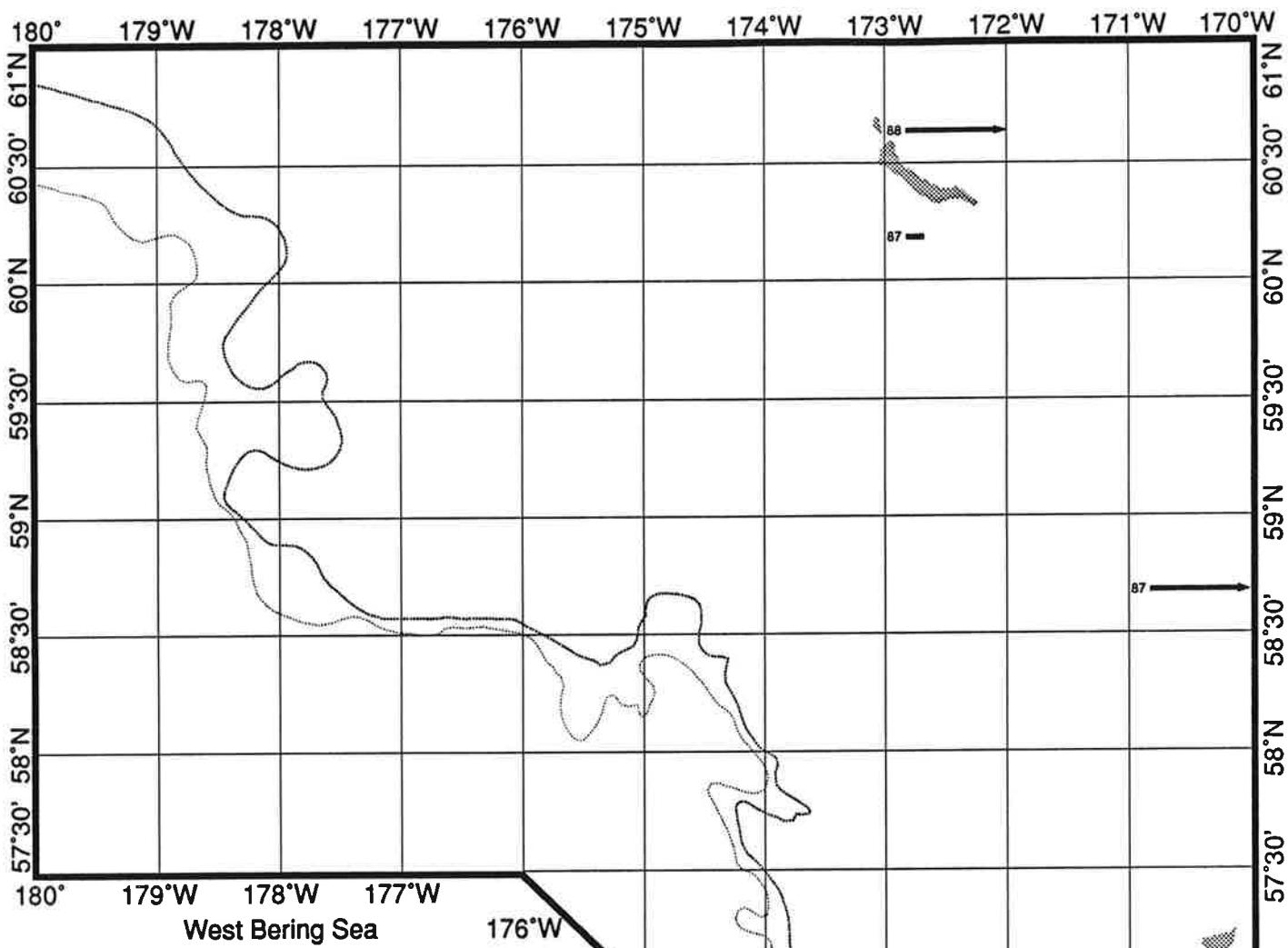
03-16-1991 16:26:02

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

June
YELLOWFIN SOLE
Tanner Crab Bycatch Rate



VII-14



July
YELLOWFIN SOLE
Tanner Crab Bycatch Rate

Seguam Pass

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

03-15-1991 16:32:28

July

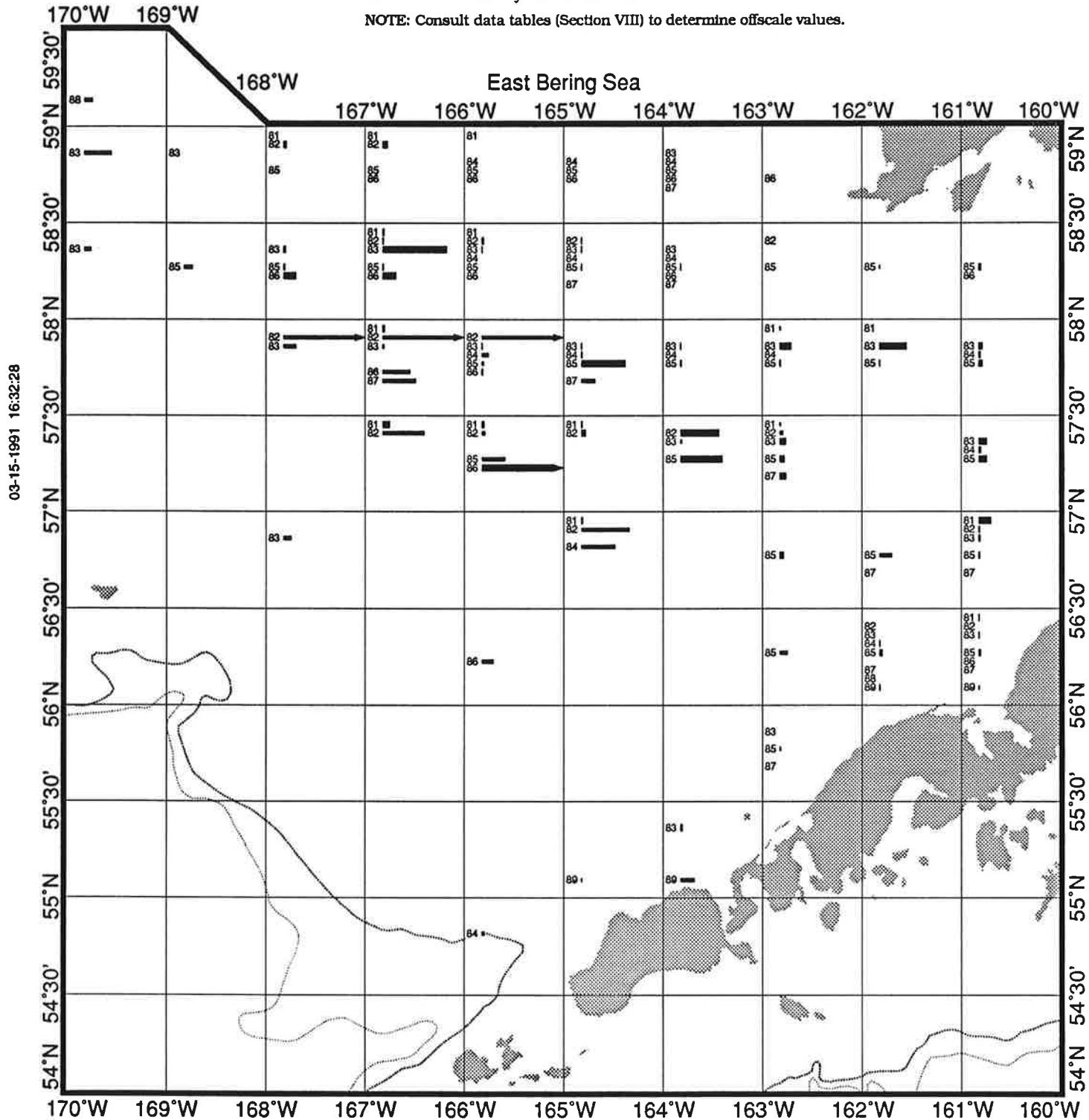
YELLOWFIN SOLE Tanner Crab Bycatch Rate

..... 200 Meter Contour.
..... 1000 Meter Contour.

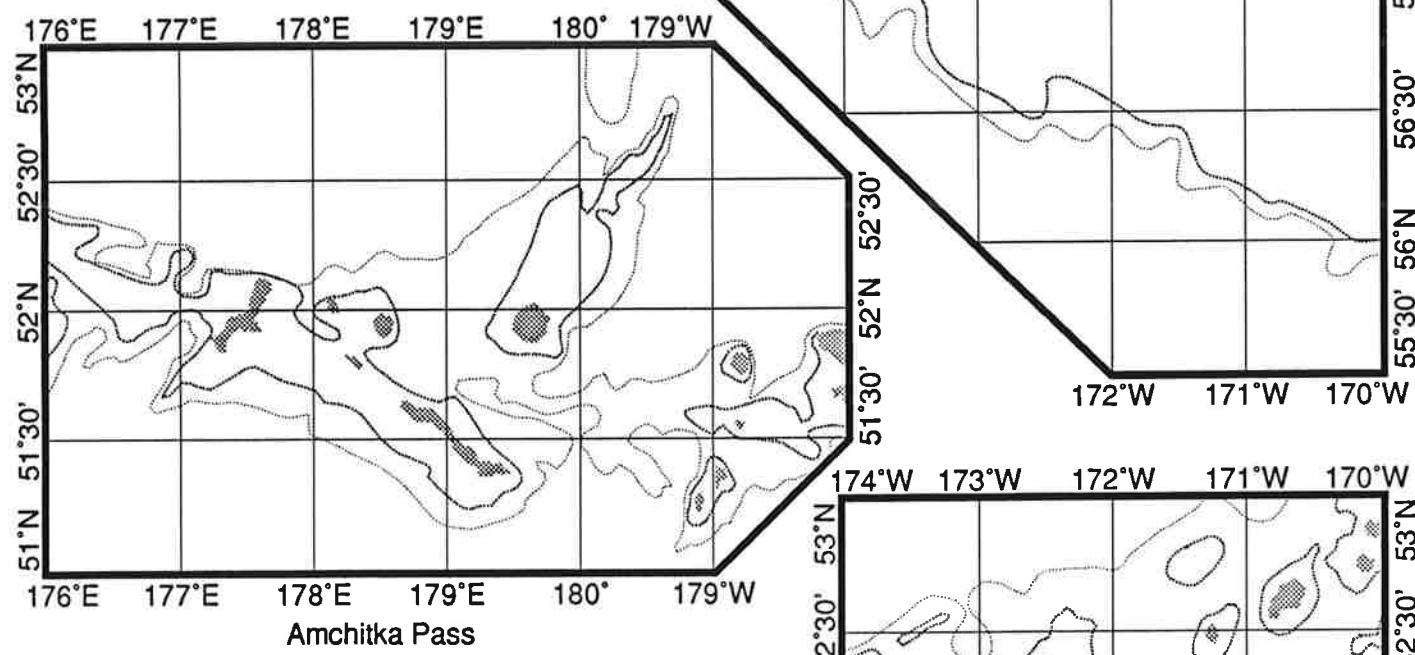
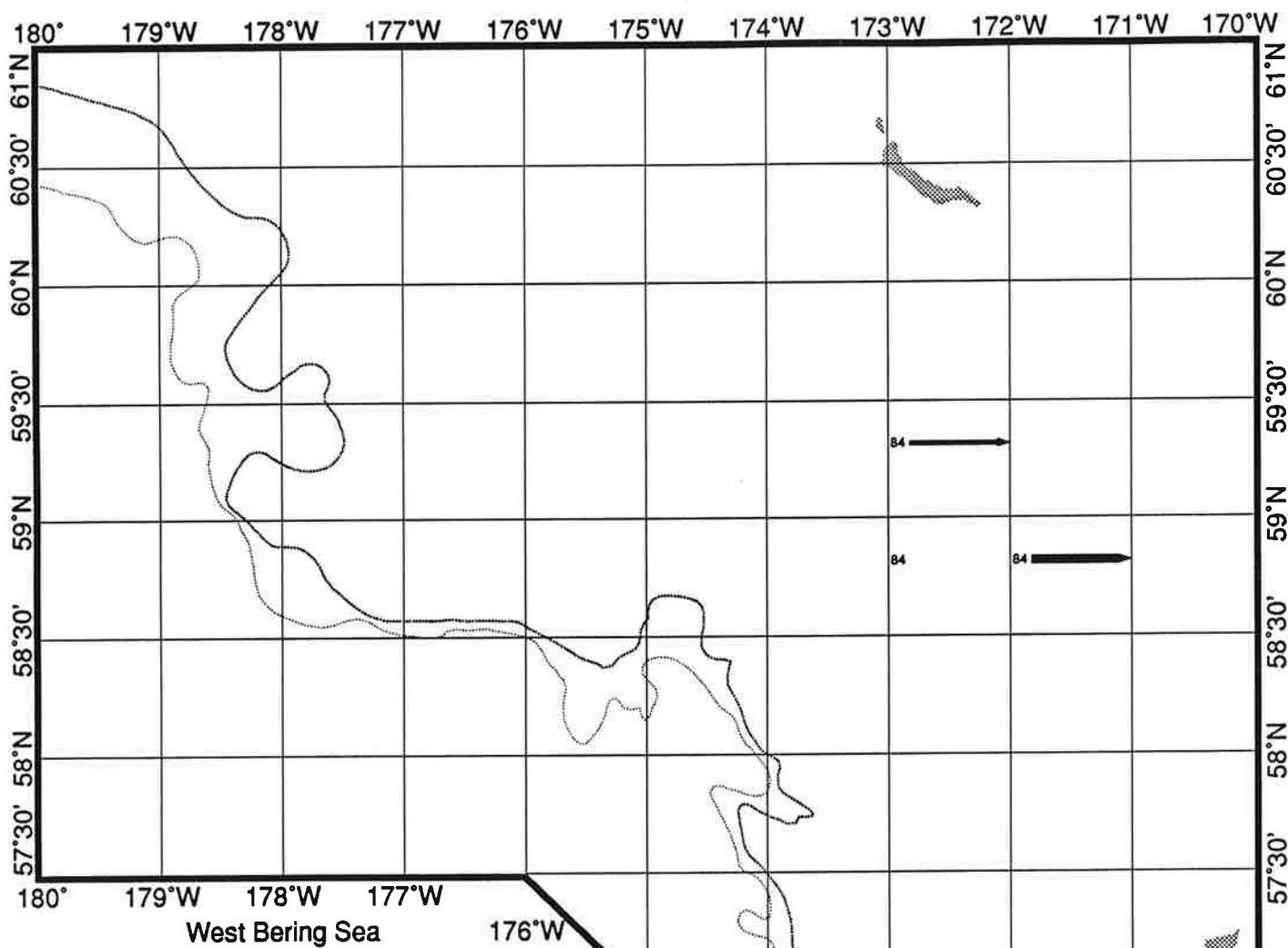
0 50 SCALE: Individuals per Metric Ton.

81 — 1981 Bycatch Rate Onscale, Five or More Tows (Wide Bar).
83 — 1983 Bycatch Rate Onscale, Less than Five Tows (Narrow Bar).
85 — 1985 Bycatch Rate Offscale (Pointed End), Five or More Tows.
87 — 1987 Bycatch Rate Zero.

NOTE: Consult data tables (Section VIII) to determine offscale values.

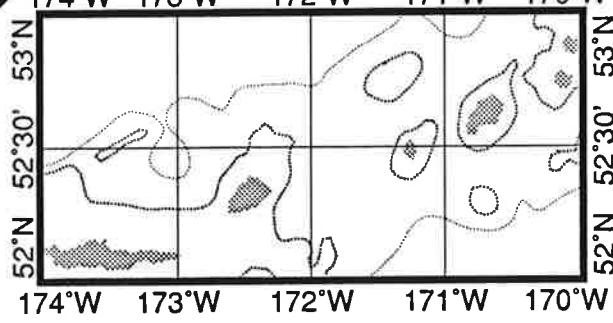


VII-16



August
YELLOWFIN SOLE
Tanner Crab Bycatch Rate

Seguam Pass



03-15-1991 16:32:28

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

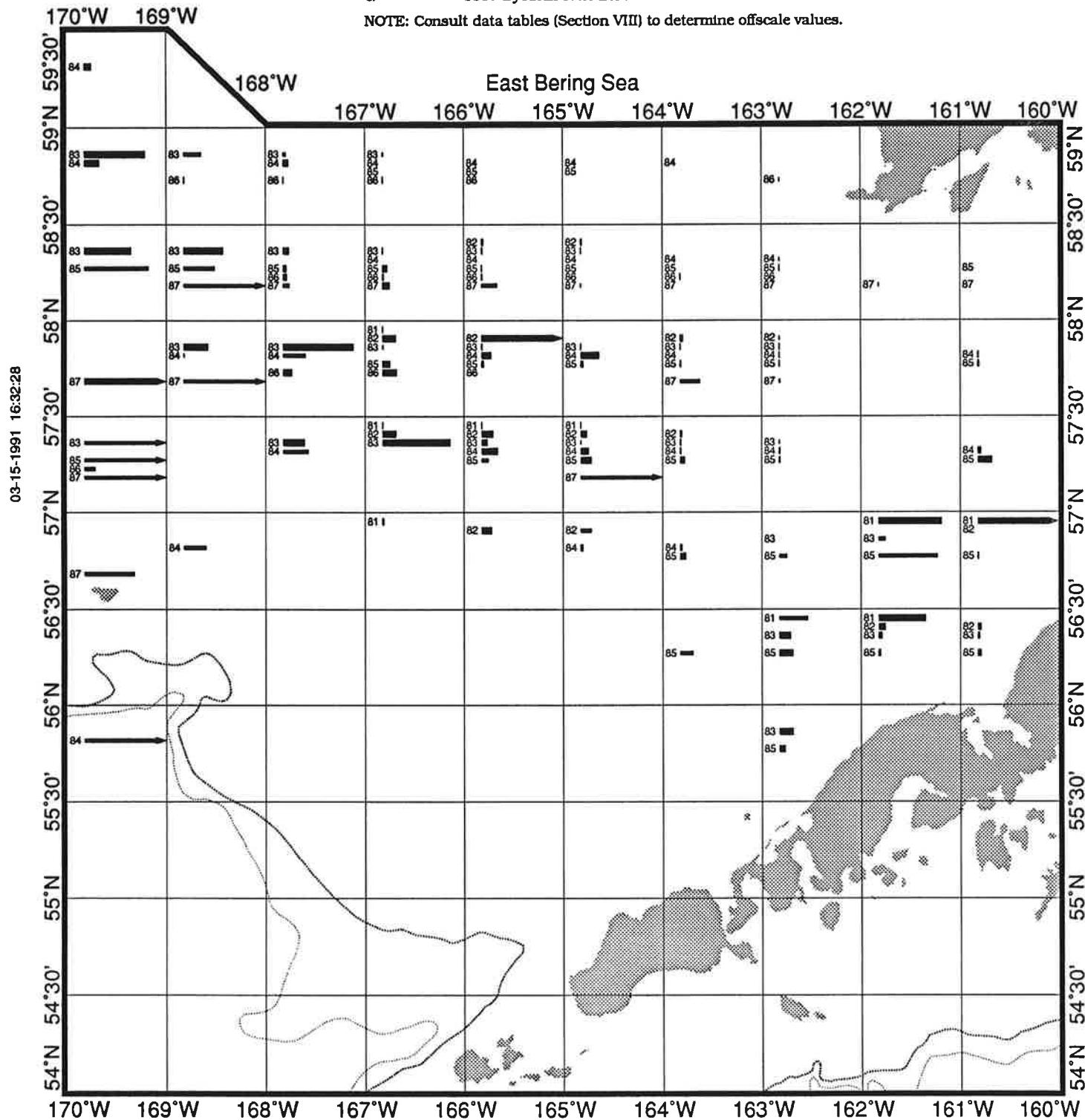
August
YELLOWFIN SOLE
Tanner Crab Bycatch Rate

..... 200 Meter Contour.
..... 1000 Meter Contour.

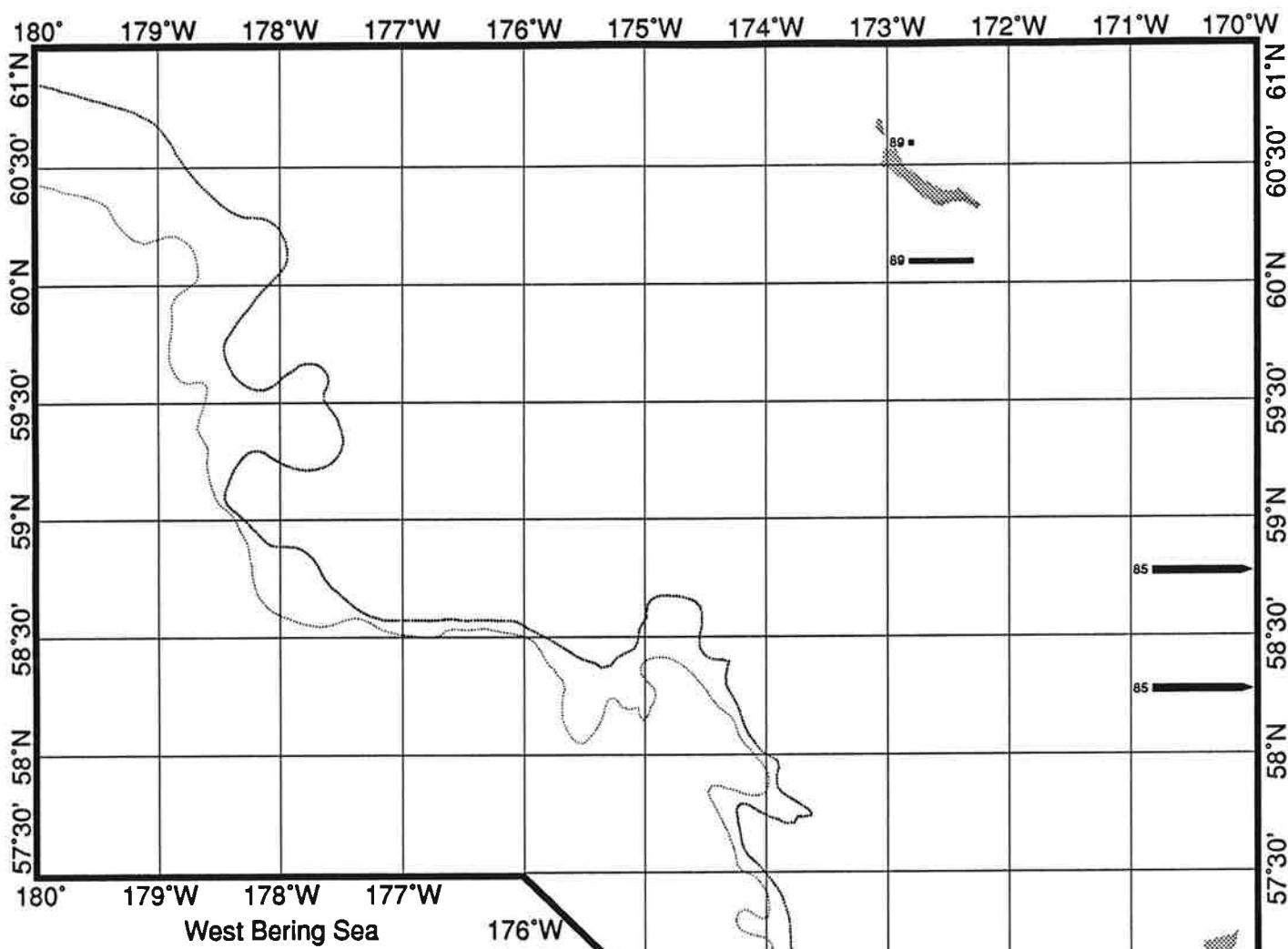
0 50 SCALE: Individuals per Metric Ton.

- 81 ——— 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
- 83 ——— 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
- 85 ——— 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
- 87 ——— 1987 Bycatch Rate Zero.

NOTE: Consult data tables (Section VIII) to determine offscale values.

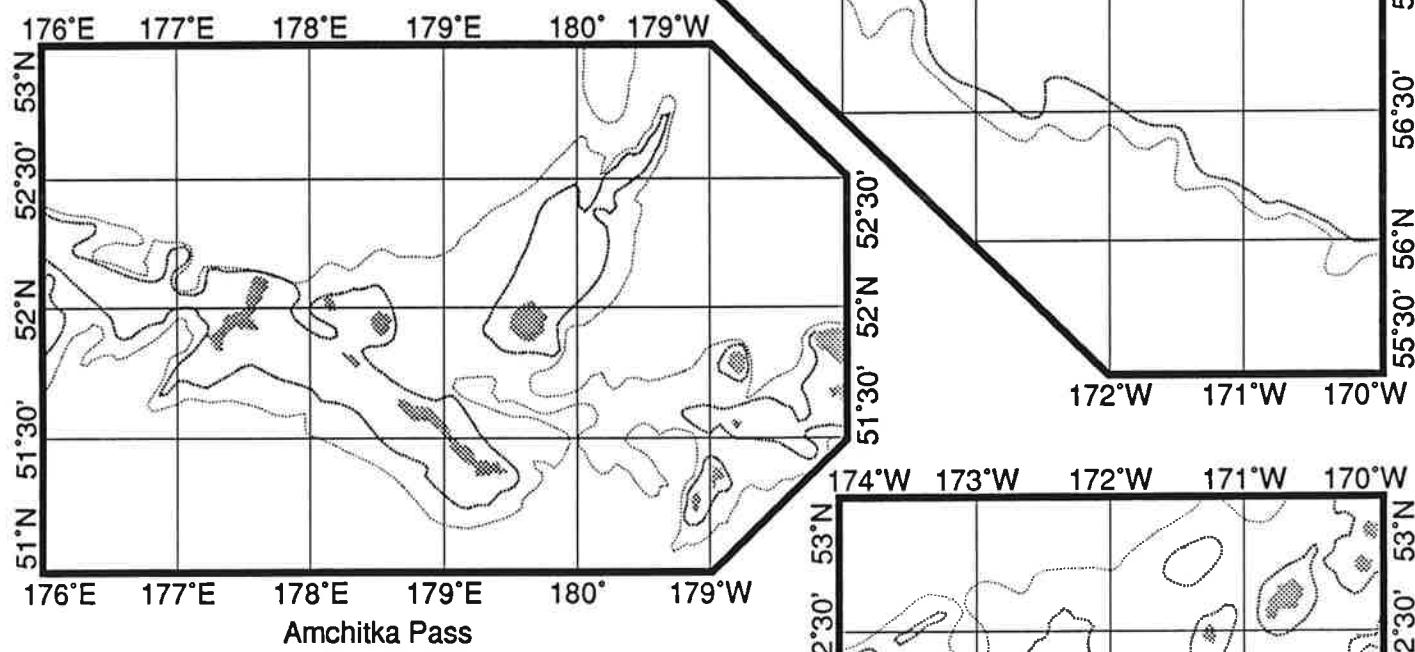


VII-18



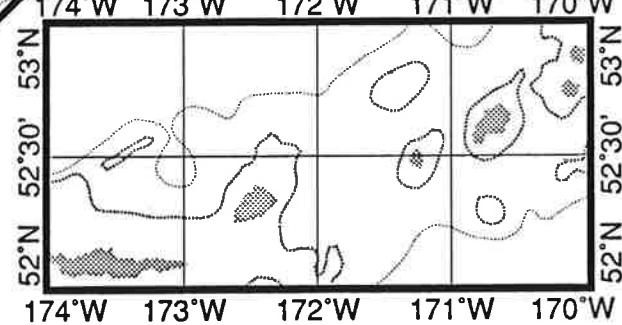
West Bering Sea

03-15-1991 16:32:28



Amchitka Pass

Seguam Pass



September
YELLOWFIN SOLE
Tanner Crab Bycatch Rate

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

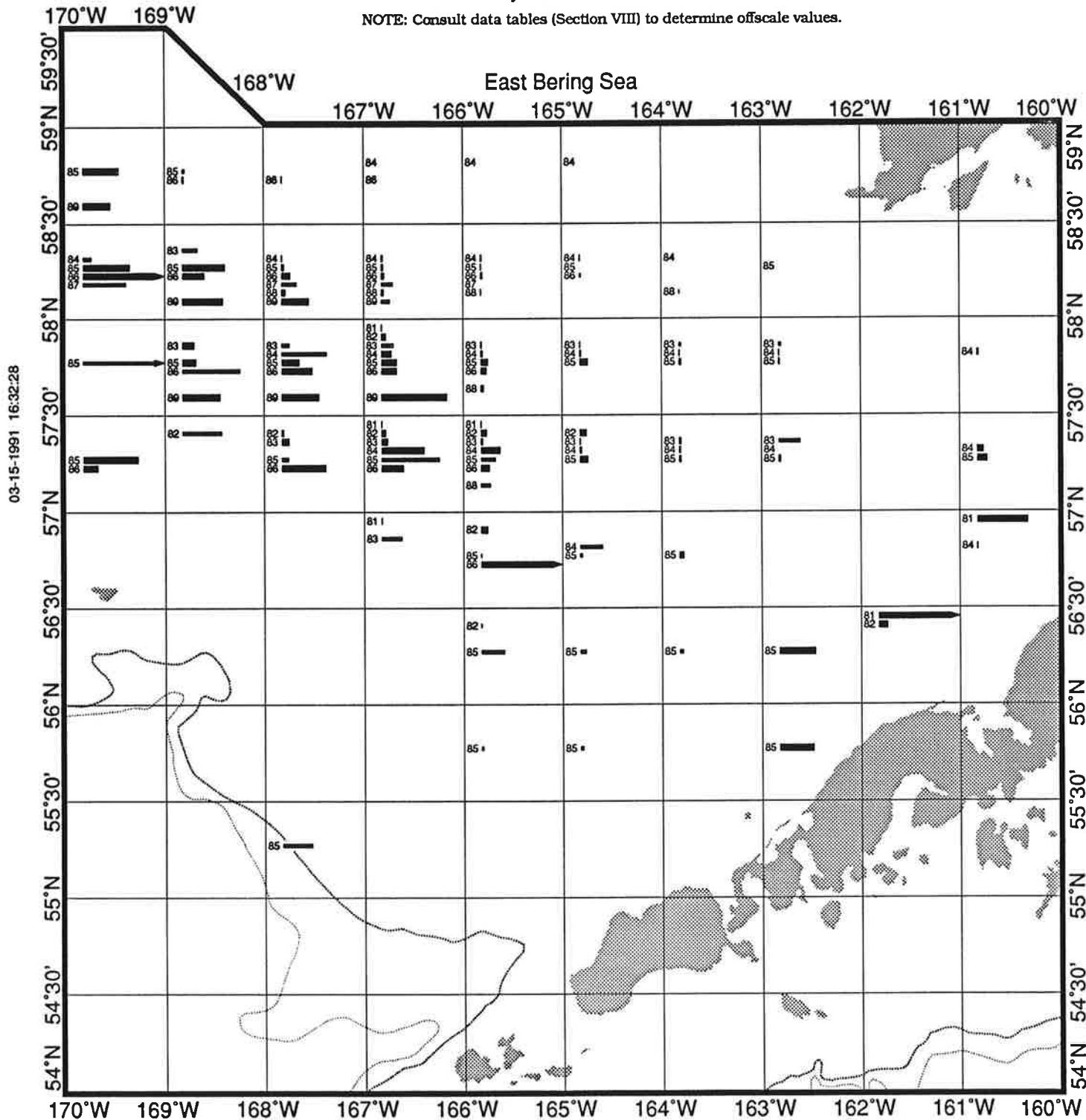
September
YELLOWFIN SOLE
Tanner Crab Bycatch Rate

..... 200 Meter Contour.
..... 1000 Meter Contour.

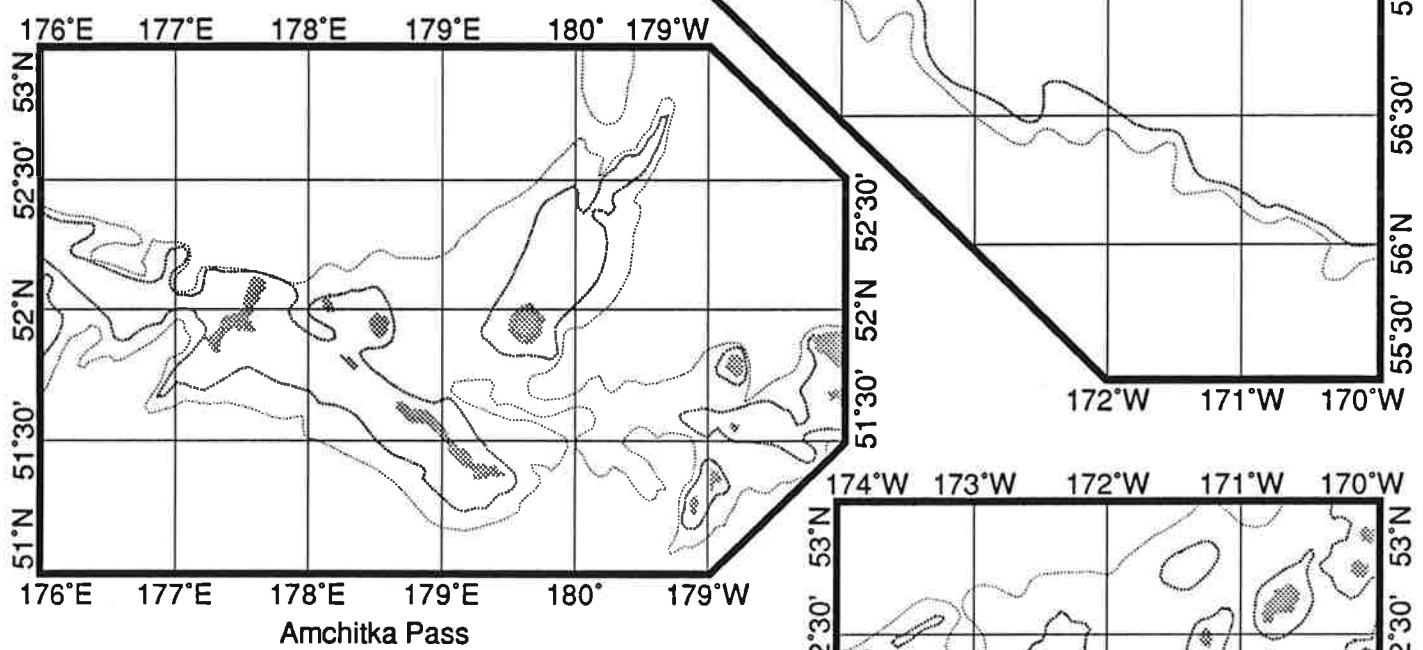
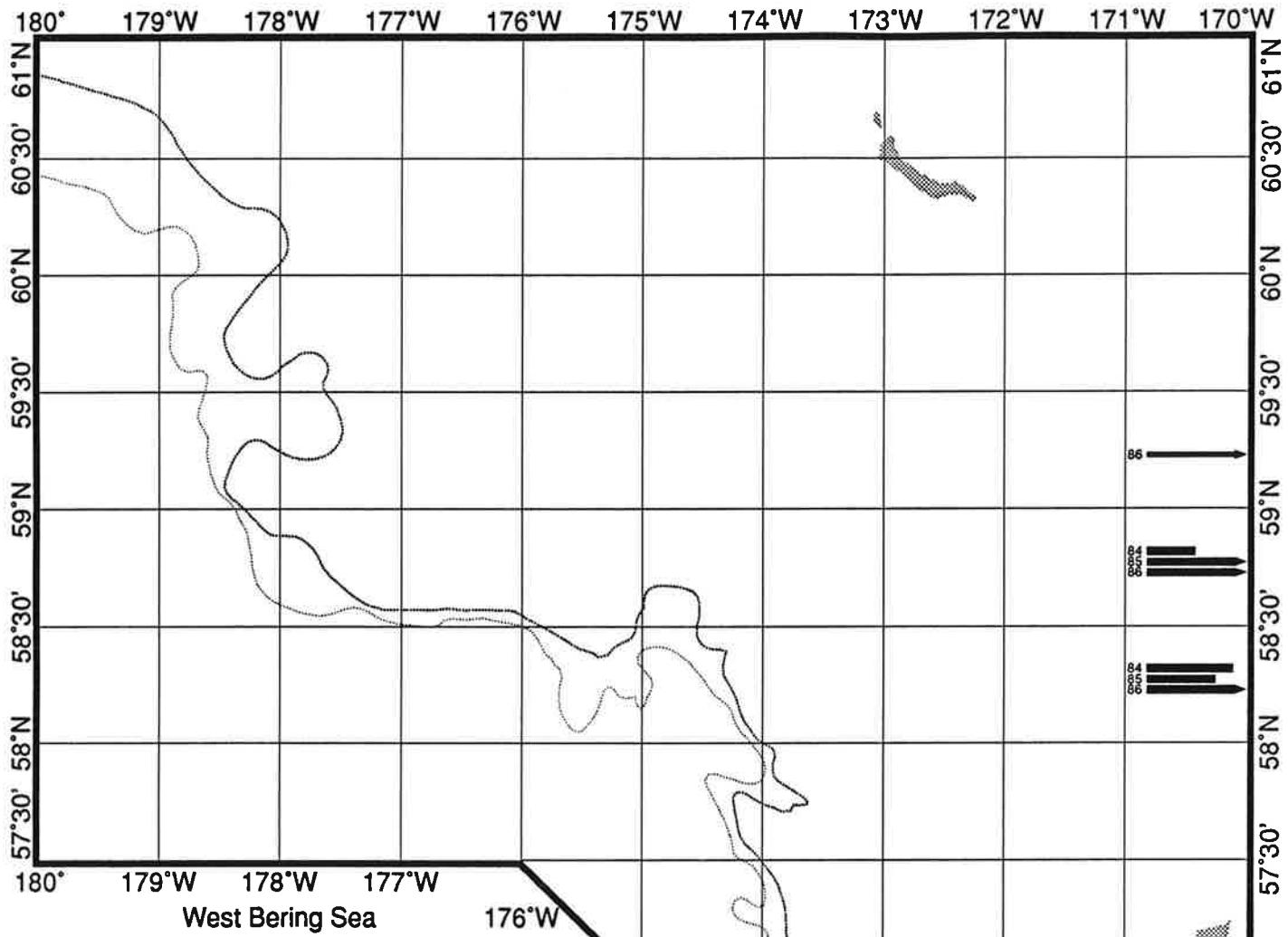
0 50 SCALE: Individuals per Metric Ton.

- 81 1981 Bycatch Rate Onscale. Five or More Tows (Wide Bar).
- 83 1983 Bycatch Rate Onscale. Less than Five Tows (Narrow Bar).
- 85 1985 Bycatch Rate Offscale (Pointed End). Five or More Tows.
- 87 1987 Bycatch Rate Zero.

NOTE: Consult data tables (Section VIII) to determine offscale values.

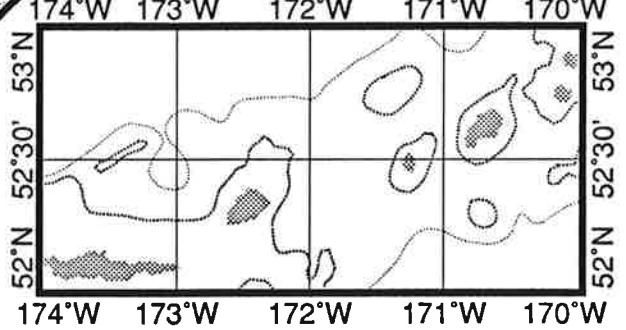


VII-20



October
YELLOWFIN SOLE
Tanner Crab Bycatch Rate

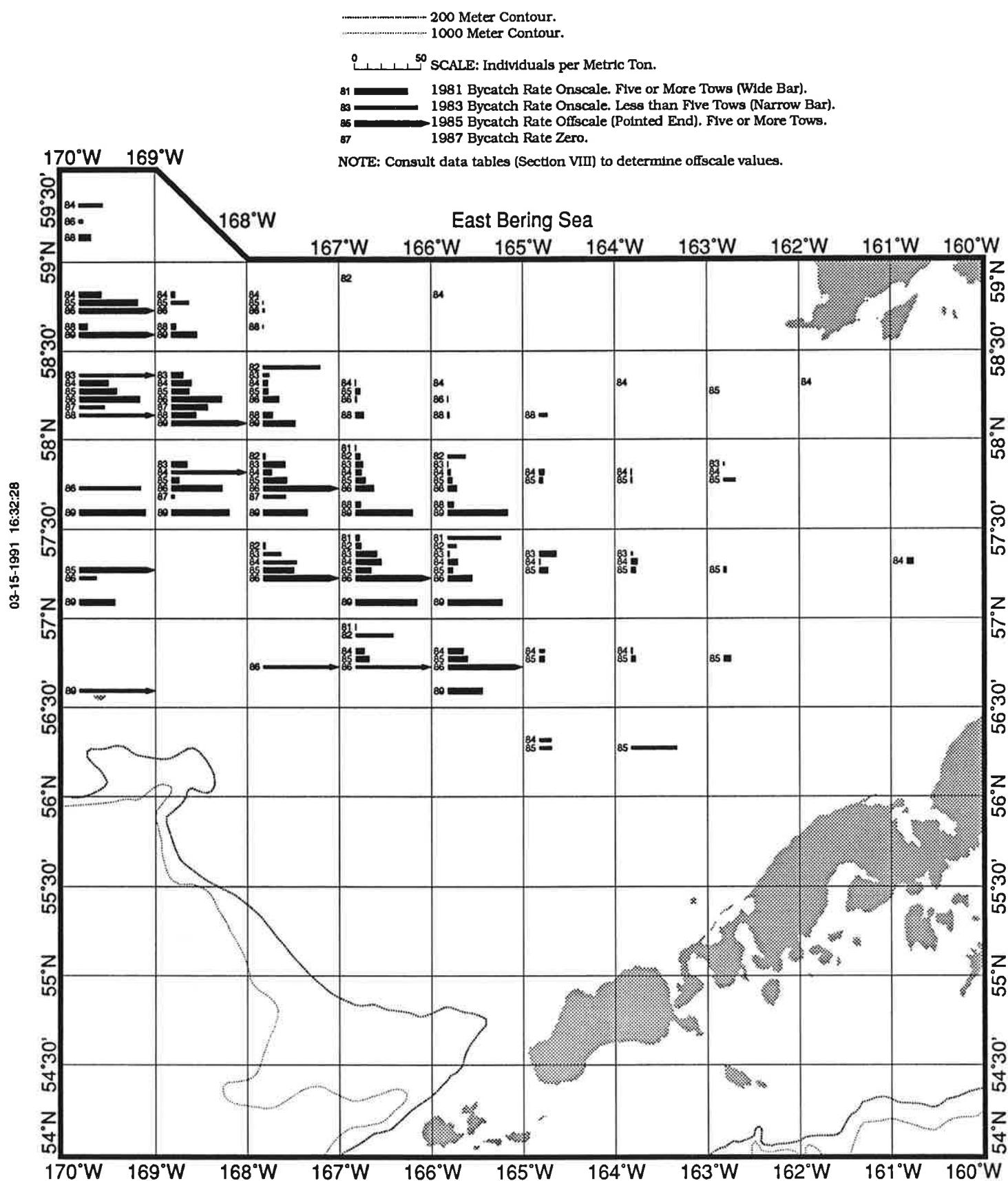
Seguam Pass



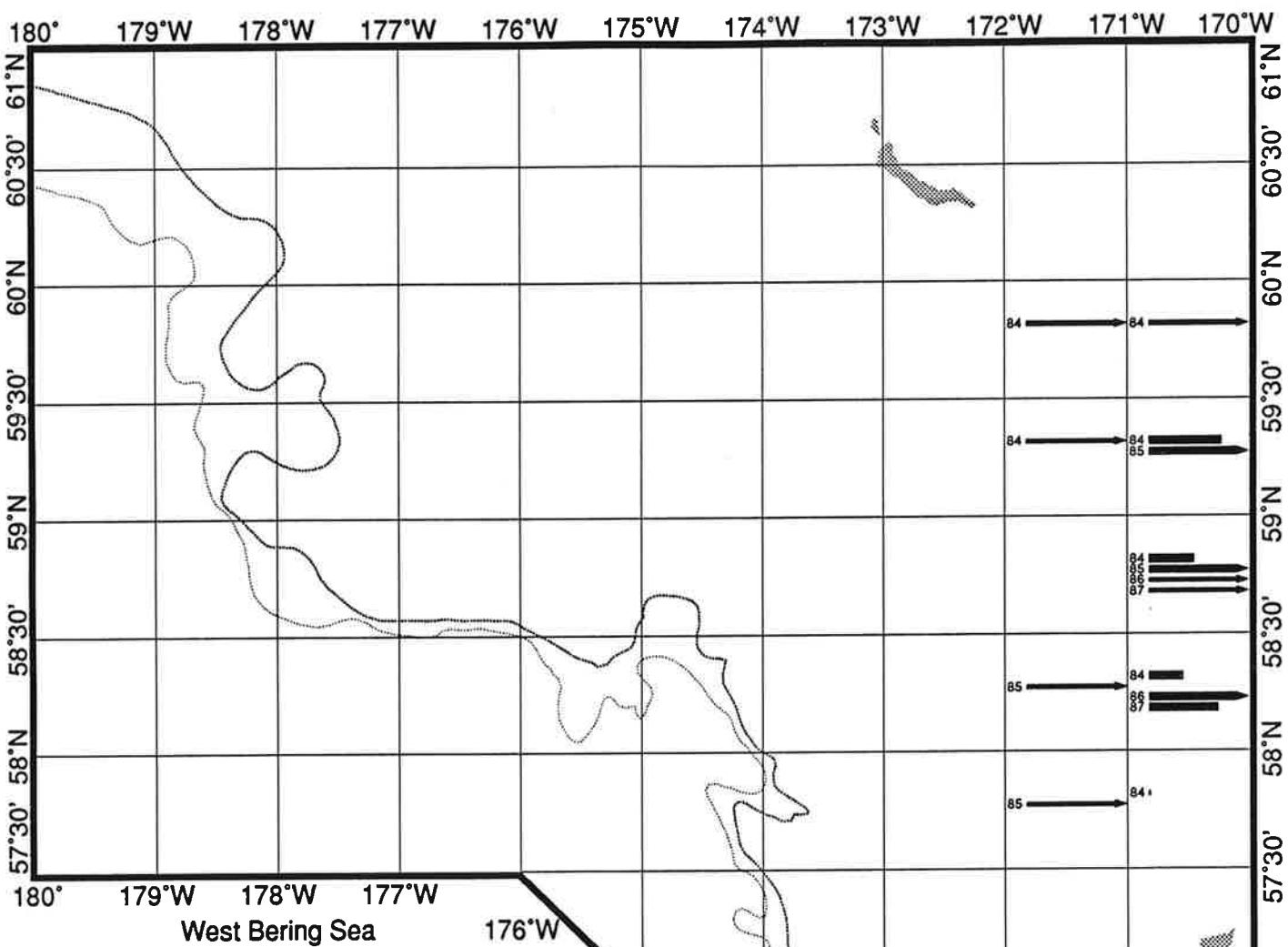
03-15-1991 16:32:28

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

October
YELLOWFIN SOLE
Tanner Crab Bycatch Rate

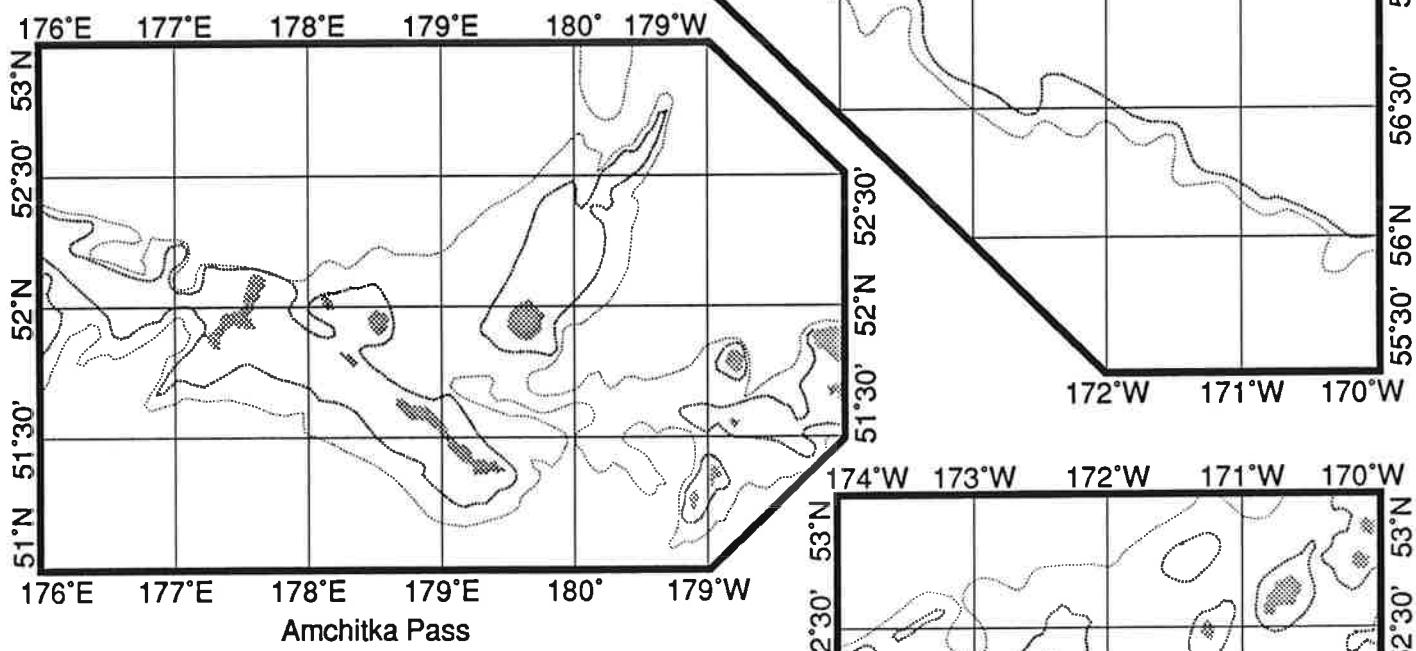


VII-22



West Bering Sea

03-15-1991 16:32:28



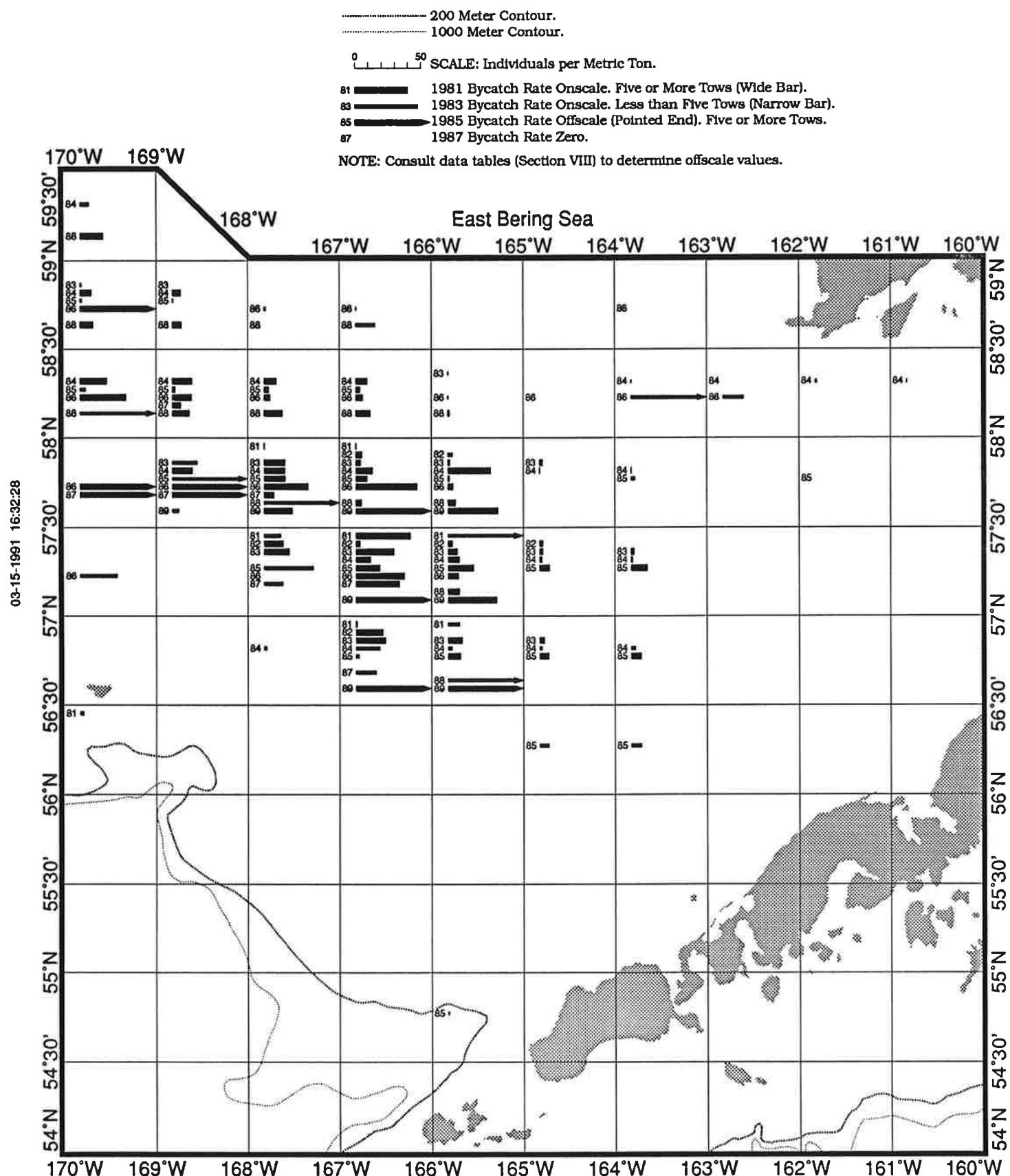
Amchitka Pass

Seguam Pass

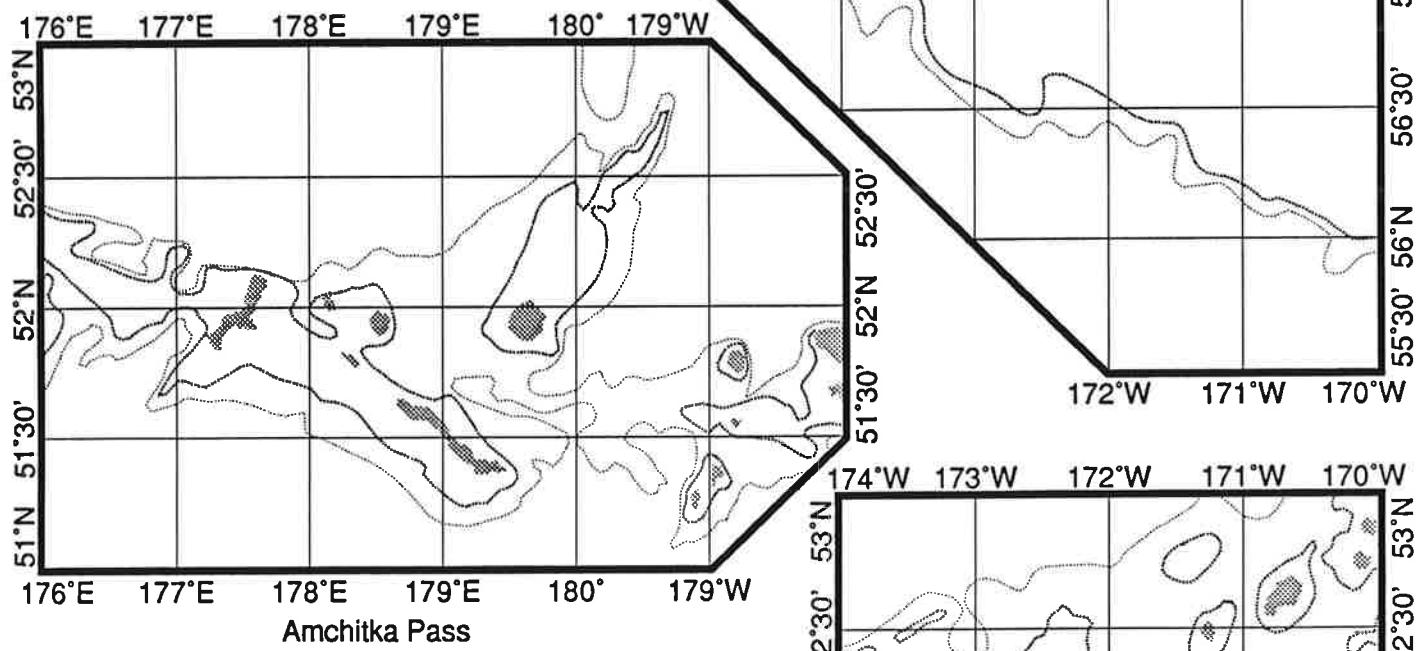
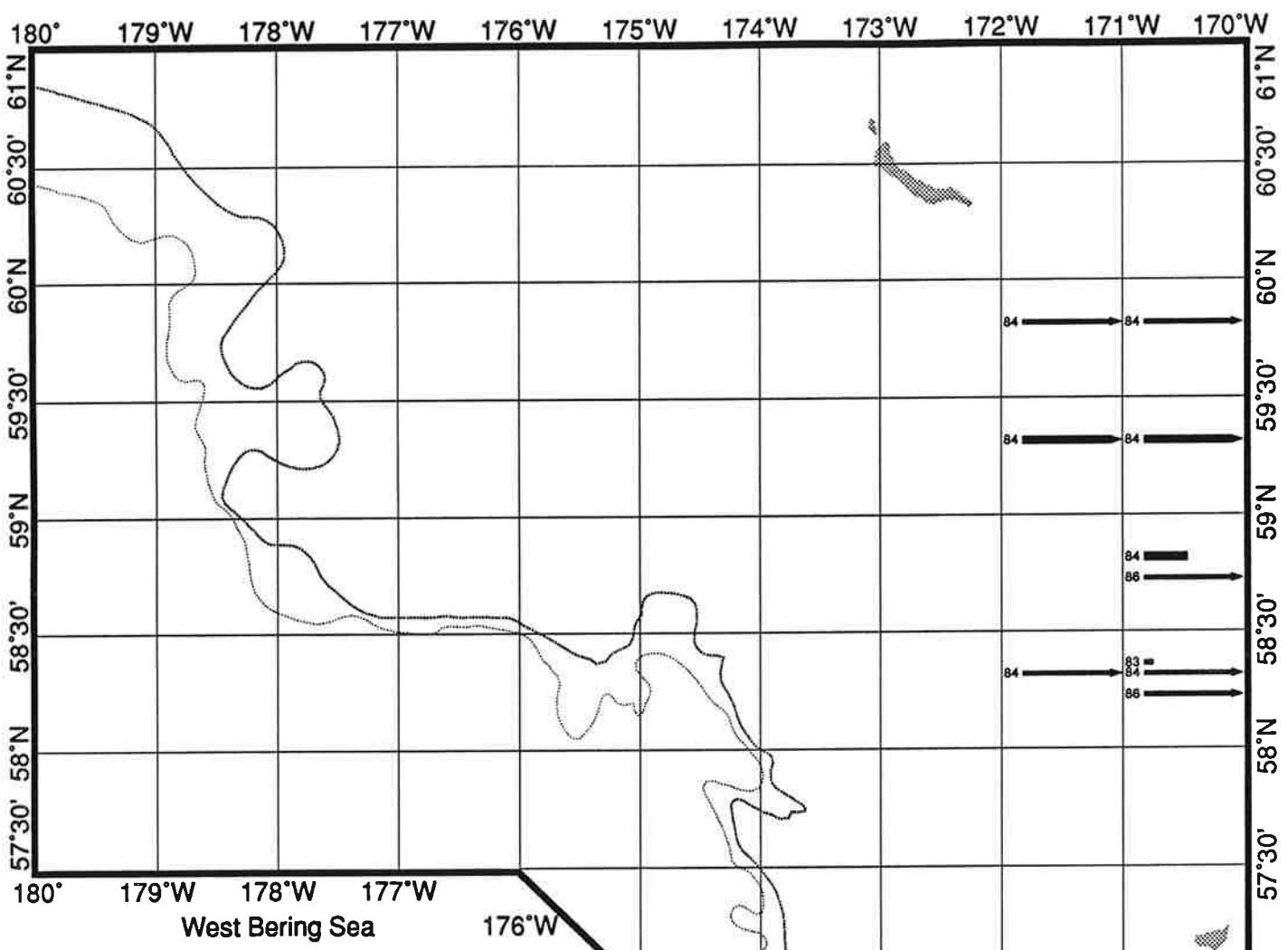
November
YELLOWFIN SOLE
Tanner Crab Bycatch Rate

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

November
YELLOWFIN SOLE
Tanner Crab Bycatch Rate



VII-24

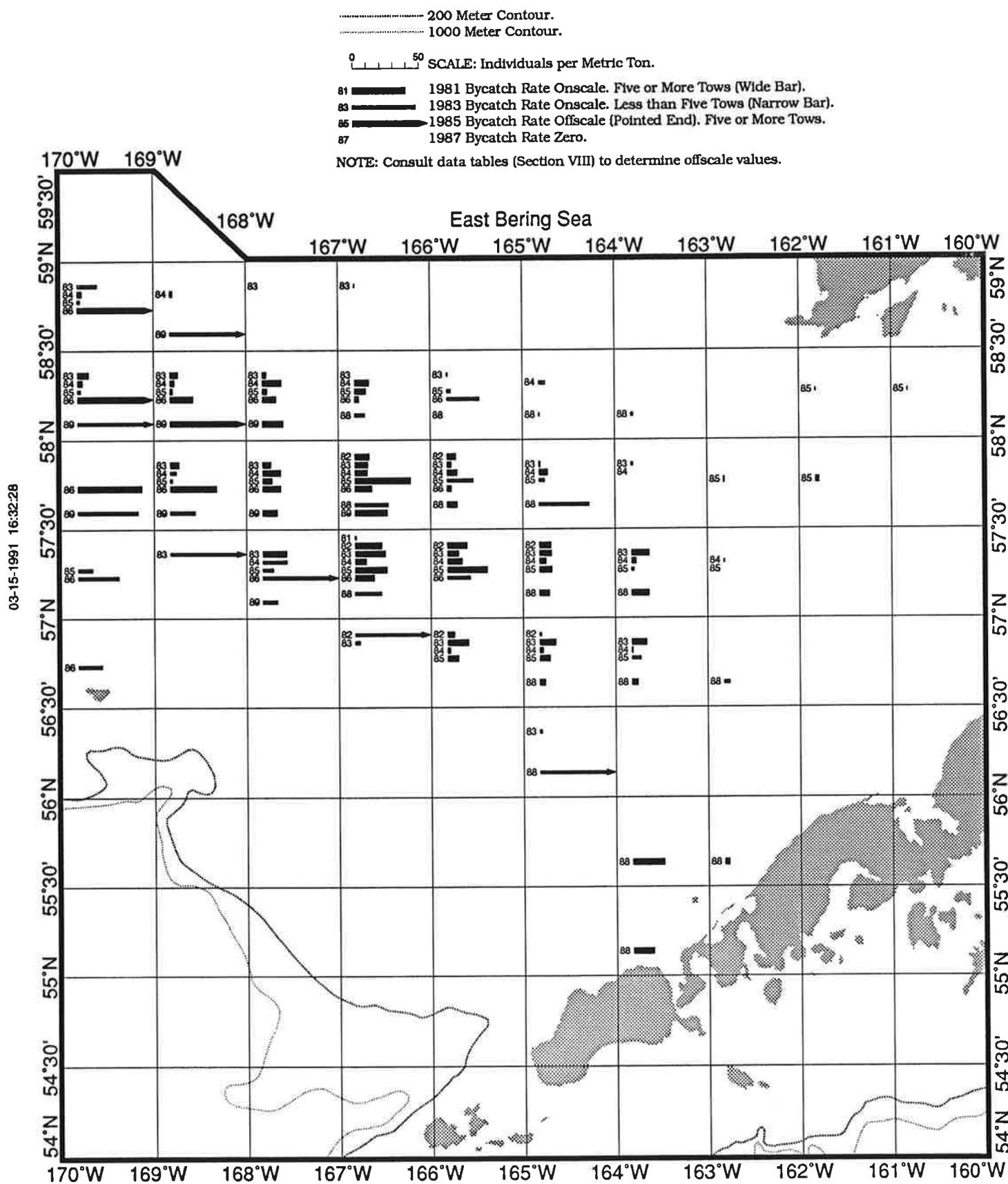


December
YELLOWFIN SOLE
Tanner Crab Bycatch Rate

IMPORTANT: THESE CHARTS ARE NEITHER INTENDED NOR RELIABLE FOR NAVIGATION.

03-15-1991 16:32:28

December
YELLOWFIN SOLE
Tanner Crab Bycatch Rate



SECTION VIII

DATA TABLES

Code definitions for data tables in this section.

Block: Six digit number in which the first and last three digits identify the longitude and latitude of the southeast corner of the one-half-by-one-degree block, respectively. For example, the block code 165553 identifies all tows made within the block whose southeast corner lies at 165:00 West longitude and 55:30 North latitude. Blocks lying west of 180:00 longitude (i.e., those identified by East longitude) have longitude codes appropriately greater than 180. For example, the block code 185540 identifies all tows made within the block whose southeast corner lies at 175:00 East longitude and 54:00 North latitude.

Yr: The year in which the tows were observed.

Total Observed Catch (mt): Total catch in metric tons (including prohibited species) from tows observed within the given Month/Block/Year.

OFlat Observed Catch (mt): Other flatfish catch in metric tons from tows observed within the given Month/Block/Year.

(%): The percentage of the total observed catch that was other flatfish (i.e., Other Flatfish Catch/Total Catch).

Total CPUE (mt/hr): Total catch in metric tons (including prohibited species) divided by the total number of hours towed. N/A indicates CPUE data were not available.

Total CPUE (mt/tow): Total catch in metric tons (including prohibited species) divided by the total number of tows. N/A indicates CPUE data were not available.

Hal Bycatch Rate: Halibut catch in metric tons divided by total catch (including prohibited species) in metric tons, expressed as a percentage (i.e., times 100).

Her Bycatch Rate: Herring catch in metric tons divided by total catch (including prohibited species) in metric tons, expressed as a percentage (i.e., times 100).

KC Bycatch Rate: King crab catch in numbers divided by total catch (including prohibited species) in metric tons.

TC Bycatch Rate: Tanner crab catch in numbers divided by total catch (including prohibited species) in metric tons.

Tows: Number of tows observed within the given Month/Block/Year. If fewer than five tows were observed, “<5” is given rather than the exact number to preserve the confidentiality of the data.

January
YELLOWFIN SOLE
Data Table

Table VIII.1. Data used to prepare CPUE and bycatch rate charts for January.

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates			
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight) Hal	Her	(numbers/mt) KC	TC	Tows
159570	85	1.1	0.4	33%	1.2	N/A	7.4%	0.0%	10.9	81.8	<5
162560	89	473.4	360.8	76%	21.3	36.4	0.1%	0.0%	1.7	0.5	13
162570	85	17.4	16.8	97%	3.9	N/A	0.0%	0.0%	2.0	0.4	<5
163550	89	443.5	341.9	77%	8.0	18.5	0.4%	0.0%	0.0	3.5	24
163553	89	146.7	113.1	77%	7.5	16.3	0.6%	0.0%	0.0	4.5	9
163560	89	1,290.7	906.2	70%	23.4	34.0	0.2%	0.0%	4.9	3.8	38
163563	85	1,527.4	1,288.8	84%	6.4	15.9	0.0%	0.0%	12.0	1.1	96
	89	4,270.1	3,598.6	84%	26.6	36.8	0.1%	0.0%	2.4	3.7	116
163570	85	1,766.2	1,590.8	90%	5.4	14.2	0.0%	0.0%	2.4	1.9	124
164553	89	42.4	39.0	92%	N/A	N/A	0.0%	0.0%	1.5	0.1	<5
164563	84	1.5	0.8	53%	0.8	N/A	3.3%	0.0%	0.0	0.0	<5
	85	318.2	243.8	77%	5.7	14.5	0.0%	0.0%	14.4	1.5	22
	89	54.2	39.3	73%	18.1	N/A	0.1%	0.0%	0.1	2.2	<5
164570	85	905.7	803.9	89%	5.2	15.1	0.0%	0.0%	0.4	2.0	60
164573	85	2.8	2.0	70%	1.4	N/A	0.7%	0.0%	0.4	13.9	<5
165563	84	8.5	5.1	60%	1.3	N/A	1.2%	0.0%	0.0	0.1	<5
165570	82	0.4	0.2	45%	0.1	N/A	0.0%	0.0%	0.0	165.0	<5
	84	4.3	3.4	79%	0.9	N/A	0.4%	0.0%	0.0	0.2	<5
	85	72.5	54.4	75%	3.5	9.1	0.4%	0.0%	0.2	10.9	8
165573	85	7.2	6.3	87%	1.3	N/A	0.0%	0.0%	0.3	2.8	<5
166563	89	48.7	42.2	87%	41.7	N/A	0.0%	0.0%	24.0	10.8	<5
166570	84	9.4	4.4	46%	2.7	N/A	1.8%	0.0%	0.2	29.9	<5
	85	107.4	81.4	76%	2.9	8.3	0.5%	0.0%	0.0	9.8	13
166573	84	100.7	83.8	83%	2.1	5.9	0.1%	0.0%	0.1	3.4	17
	85	13.6	8.9	65%	1.3	N/A	0.3%	0.0%	0.2	42.6	<5
167570	81	0.3	0.1	33%	0.3	N/A	0.2%	0.0%	0.0	303.3	<5
	85	4.3	3.3	77%	1.7	N/A	0.0%	0.0%	0.2	45.1	<5
167573	84	40.9	29.5	72%	2.3	5.8	0.2%	0.0%	0.1	6.2	7
	85	4.3	3.1	72%	1.4	N/A	0.6%	0.0%	0.2	55.1	<5
167580	84	20.1	14.8	74%	1.9	N/A	0.0%	0.0%	0.3	17.4	<5
168573	84	2.6	2.4	91%	1.3	N/A	0.2%	0.0%	0.0	11.9	<5
168580	84	81.3	55.0	68%	2.3	9.0	0.1%	0.3%	0.4	2.5	9
168583	84	29.0	17.5	60%	2.4	N/A	0.1%	0.0%	0.3	2.0	<5
169580	84	67.7	47.8	71%	2.5	11.3	0.1%	0.4%	0.3	22.7	6
169583	84	58.7	49.3	84%	2.1	11.7	0.0%	0.2%	0.2	29.1	5
171573	83	2.1	1.0	48%	0.2	N/A	0.7%	0.0%	1.9	316.7	<5

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

February
YELLOWFIN SOLE
Data Table

VIII-4

Table VIII.2. Data used to prepare CPUE and bycatch rate charts for February.

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates			
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight) Hal	Her	KC	TC	Tows
162553	88	727.4	505.3	69%	8.6	18.7	0.1%	0.0%	2.0	2.4	39
162560	88	193.2	105.4	55%	29.7	32.2	0.2%	0.0%	1.0	0.5	6
	89	54,816.2	47,692.4	87%	59.6	38.1	0.0%	0.0%	0.7	0.3	1,437
162563	88	12,632.3	9,266.0	73%	18.6	29.9	0.0%	0.0%	0.8	0.8	422
162570	88	552.1	430.5	78%	11.5	26.3	0.0%	0.0%	1.3	1.5	21
163550	88	58.9	25.8	44%	4.6	N/A	0.1%	0.0%	9.8	6.9	<5
	89	153.6	101.6	66%	8.9	30.7	0.0%	0.0%	0.0	2.7	5
163553	88	66.2	31.8	48%	5.8	N/A	0.1%	0.0%	3.1	2.4	<5
	89	558.8	467.8	84%	78.2	31.0	0.0%	0.0%	0.2	0.2	18
163560	89	21,801.3	17,210.1	79%	50.6	35.6	0.0%	0.0%	1.3	0.6	612
163563	85	307.5	248.1	81%	6.7	16.2	0.1%	0.0%	4.8	0.6	19
	88	10,295.4	8,241.7	80%	17.9	32.6	0.1%	0.0%	0.2	0.7	316
	89	295.2	231.6	78%	22.1	32.8	0.0%	0.0%	17.0	3.2	9
163570	88	344.3	260.9	76%	8.6	20.3	0.2%	0.0%	0.8	1.9	17
164560	87	7.6	3.3	43%	2.7	N/A	0.4%	0.0%	0.1	8.5	<5
164563	82	8.5	5.0	58%	2.4	N/A	0.0%	0.0%	33.8	2.4	<5
	83	52.6	36.7	70%	5.3	N/A	0.0%	0.0%	0.3	6.2	<5
	87	223.3	168.8	76%	4.7	14.9	0.5%	0.0%	0.1	5.0	15
	88	705.0	410.5	58%	8.1	19.1	0.5%	0.0%	0.4	4.6	37
164570	81	11.1	9.2	83%	7.4	N/A	0.0%	0.0%	0.6	10.1	<5
	87	9.3	7.3	79%	2.2	N/A	0.6%	0.0%	0.2	18.9	<5
	88	220.2	111.3	51%	7.7	24.5	0.7%	0.0%	1.1	7.1	9
165563	81	10.2	5.0	49%	6.8	N/A	0.0%	0.0%	0.8	2.5	<5
	82	82.9	78.5	95%	12.6	13.8	0.0%	0.0%	0.0	0.8	6
	83	483.0	413.9	86%	7.2	13.4	0.0%	0.0%	0.1	8.2	36
	84	754.7	618.0	82%	10.0	21.0	0.1%	0.0%	0.0	3.3	36
	85	790.0	686.4	87%	10.6	17.2	0.2%	0.0%	0.0	3.6	46
	87	312.8	273.5	87%	12.8	39.1	0.1%	0.0%	0.0	6.0	8
	88	1,104.1	589.3	53%	8.2	22.5	0.5%	0.0%	0.1	4.7	49
165570	81	59.1	45.6	77%	7.7	6.6	0.1%	0.0%	0.2	3.5	9
	83	16.2	13.6	84%	7.5	N/A	0.0%	0.1%	0.1	16.0	<5
	88	1,827.3	1,116.7	61%	14.6	34.5	0.3%	0.0%	0.0	6.0	53
166563	82	123.0	102.9	84%	6.4	13.7	0.1%	0.0%	0.0	0.7	9
	83	272.2	227.4	84%	10.5	19.4	0.1%	0.0%	0.1	7.2	14
	84	15.6	7.3	47%	6.7	N/A	0.7%	0.0%	0.0	3.3	<5
	85	66.6	56.7	85%	11.8	N/A	0.3%	0.0%	0.0	2.6	<5

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

February
YELLOWFIN SOLE
Data Table

Table VIII.2. (Continued.)

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates (numbers/mt)			
		Total	YFin	(%)	MT Per Hour	Tow	Hal	Her	KC	TC	Tows
166570	82	9.7	5.3	55%	0.9	N/A	0.3%	0.0%	0.0	59.9	<5
	83	28.1	20.5	73%	3.9	N/A	0.0%	0.0%	0.0	17.5	<5
	85	191.4	148.2	77%	5.6	12.8	0.4%	0.0%	0.0	9.5	15
	88	231.8	162.6	70%	48.0	46.4	0.0%	0.0%	0.0	1.8	5
167570	81	0.9	0.5	51%	0.3	N/A	0.0%	0.0%	0.0	246.7	<5
167573	81	0.2	0.1	25%	0.2	N/A	0.0%	0.0%	0.0	370.0	<5
168570	82	3.7	1.9	52%	1.0	N/A	0.0%	0.0%	0.0	10.5	<5

Note: *The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.*

March
YELLOWFIN SOLE
Data Table

VIII-6

Table VIII.3. Data used to prepare CPUE and bycatch rate charts for March.

Block	Yr	Observed			Total CPUEs			Bycatch Rates			
		Total	YFin	(%)	MT Per	Hour	Tow	(% by weight)	Hal	Her	(numbers/mt)
								KC	TC	Tows	
159570	86	0.8	0.3	33%	0.4	N/A	0.0%	10.0	177.5	<5	
162553	83	1,735.7	1,279.4	74%	N/A	18.5	0.0%	0.0%	1.4	6.4	94
	85	106.6	62.4	59%	10.8	15.2	0.4%	0.0%	4.8	9.0	7
162560	83	511.2	293.7	57%	N/A	17.0	0.1%	0.0%	2.0	7.0	30
	88	4,422.5	2,420.7	55%	24.8	41.3	0.1%	0.0%	0.9	0.4	107
	89	602.3	559.3	93%	33.0	31.7	0.0%	0.0%	0.4	0.2	19
162563	87	43.4	17.1	39%	5.1	N/A	0.1%	0.0%	0.8	0.3	<5
	88	2,116.4	1,361.9	64%	14.5	29.8	0.1%	0.0%	1.1	0.7	71
162570	83	59.8	53.1	89%	N/A	N/A	0.0%	0.0%	1.6	0.9	<5
	87	94.5	39.7	42%	14.2	N/A	0.6%	0.0%	2.2	1.9	<5
163550	86	318.1	242.6	76%	6.0	22.7	0.0%	0.0%	7.9	5.2	14
163553	86	75.1	52.4	70%	5.1	N/A	0.1%	0.0%	4.5	6.0	<5
	87	45.8	39.9	87%	34.4	N/A	0.0%	0.0%	0.0	0.0	<5
	89	552.6	461.9	84%	61.4	29.1	0.0%	0.0%	0.4	0.3	19
163560	87	524.0	344.6	66%	16.6	22.8	0.4%	0.0%	2.5	2.1	23
	88	222.8	157.4	71%	17.3	31.8	0.1%	0.0%	0.1	1.4	7
	89	2,078.3	1,903.9	92%	36.3	30.6	0.0%	0.0%	1.9	2.0	68
163563	85	85.0	77.9	92%	9.3	N/A	0.1%	0.0%	0.0	0.1	<5
	86	24.8	15.1	61%	3.6	N/A	0.0%	0.0%	186.5	6.7	<5
	87	18,565.6	12,786.1	69%	15.0	29.3	0.2%	0.0%	0.1	0.9	633
	88	4,960.6	3,558.4	72%	17.9	27.3	0.1%	0.0%	0.2	0.4	182
163570	87	124.1	65.2	53%	8.9	20.7	0.0%	0.0%	8.9	1.2	6
164560	87	683.0	410.7	60%	10.5	27.3	0.6%	0.0%	0.1	2.9	25
	88	304.2	214.3	70%	24.2	33.8	0.1%	0.0%	0.2	0.5	9
164563	82	51.4	34.3	67%	6.8	8.6	0.0%	0.0%	0.4	2.6	6
	83	70.3	41.6	59%	3.3	6.4	0.1%	0.0%	0.2	9.8	11
	85	1,517.0	1,365.4	90%	6.4	15.3	0.3%	0.0%	0.0	2.5	99
	87	10,997.6	7,963.9	72%	12.0	29.7	0.2%	0.0%	0.0	1.5	370
	88	11,980.3	9,047.8	76%	19.3	32.1	0.1%	0.0%	0.2	1.3	373
164570	81	23.0	19.3	84%	4.0	N/A	0.0%	0.0%	2.7	13.2	<5
	82	63.8	57.5	90%	9.1	12.8	0.0%	0.0%	2.6	12.5	5
	83	70.0	47.5	68%	5.2	10.0	0.0%	0.0%	1.0	13.5	7
	85	78.0	72.9	94%	9.2	N/A	0.1%	0.0%	0.0	0.6	<5
	87	24.7	17.9	73%	N/A	N/A	0.6%	0.0%	0.3	2.3	<5
165560	87	25.8	6.4	25%	7.9	N/A	0.1%	0.0%	0.0	0.1	<5
	88	821.8	325.0	40%	11.0	32.9	0.2%	0.0%	0.0	2.3	25

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

March
YELLOWFIN SOLE
Data Table

Table VIII.3. (Continued.)

Block	Yr	Observed			Total CPUEs			Bycatch Rates			
		Total	YFin	(%)	MT Per	Hour	Tow	(% by weight)	KC	TC	Tows
165563	82	193.6	164.7	85%	4.4	7.4	0.2%	0.0%	0.4	10.6	26
	83	1,196.3	967.9	81%	5.4	11.8	0.1%	0.0%	0.1	5.4	101
	84	340.8	271.6	80%	6.9	16.2	0.1%	0.0%	0.0	0.9	21
	85	3,363.0	2,624.5	78%	10.1	20.4	0.2%	0.0%	0.0	2.4	165
	87	1,874.3	1,393.0	74%	8.4	28.4	0.2%	0.0%	0.0	4.7	66
	88	8,044.9	3,984.1	50%	11.1	28.5	0.3%	0.0%	0.0	3.8	282
165570	81	241.5	200.9	83%	5.2	6.0	0.0%	0.0%	0.4	6.9	40
	82	1.2	0.5	41%	0.8	N/A	1.8%	0.0%	10.8	38.3	<5
	83	77.7	56.9	73%	3.6	8.6	0.1%	0.0%	0.8	15.3	9
	85	99.5	88.3	89%	6.0	14.2	0.2%	0.0%	0.0	4.1	7
	88	589.2	411.3	70%	9.1	21.0	0.1%	0.0%	0.0	3.6	28
166560	84	461.1	356.8	77%	19.6	25.6	0.5%	0.0%	0.0	1.9	18
	86	3,499.3	2,430.1	69%	30.4	28.0	0.1%	0.0%	0.1	0.5	125
	88	621.7	328.7	53%	21.5	27.0	0.4%	0.0%	0.0	0.7	23
166563	81	4.4	2.2	50%	4.8	N/A	0.0%	0.0%	0.2	7.5	<5
	82	374.9	296.1	79%	9.7	15.6	0.0%	0.0%	0.0	2.2	24
	83	519.4	439.2	85%	10.3	11.3	0.0%	0.0%	0.0	2.4	46
	84	352.4	290.4	82%	10.5	19.6	0.1%	0.0%	0.0	0.7	18
	85	83.7	63.0	75%	5.5	14.0	0.3%	0.0%	0.0	13.8	6
	86	90.1	79.8	89%	17.2	N/A	0.1%	0.0%	0.0	0.6	<5
	87	21.4	8.2	38%	3.9	N/A	0.4%	0.0%	0.0	1.4	<5
	88	13,342.0	6,913.9	52%	17.0	32.5	0.1%	0.0%	0.0	4.2	411
166570	81	84.0	54.9	65%	4.0	6.0	0.0%	0.0%	0.0	12.1	14
	83	9.3	7.7	82%	2.0	N/A	0.0%	0.0%	0.0	7.3	<5
	85	11.7	7.0	60%	5.4	N/A	0.9%	0.0%	0.0	9.3	<5
	88	3,441.1	2,452.3	71%	12.4	24.8	0.1%	0.0%	0.0	2.2	139
166573	81	28.1	20.4	73%	3.1	5.6	0.0%	0.0%	0.3	23.8	5
167560	84	14.8	11.7	79%	5.2	N/A	0.7%	0.0%	0.0	13.6	<5
	88	18.5	10.7	58%	5.6	N/A	0.0%	0.0%	0.0	1.9	<5
167563	84	722.1	558.0	77%	8.0	15.0	0.1%	0.0%	0.0	7.7	48
	88	2,713.7	1,189.3	44%	11.6	27.7	0.1%	0.0%	0.0	21.2	98
167570	82	1.7	0.8	45%	0.6	N/A	0.0%	0.0%	4.7	2.4	<5
	88	2,692.1	1,831.4	68%	10.2	23.4	0.0%	0.1%	0.0	3.0	115
168560	84	117.2	94.8	81%	5.3	8.4	0.1%	0.0%	0.0	8.5	14
168563	84	669.1	555.6	83%	6.7	11.7	0.0%	0.0%	0.0	24.8	57
	88	97.7	33.2	34%	6.1	N/A	0.0%	0.0%	0.0	9.2	<5
168570	82	0.6	0.1	22%	0.2	N/A	0.0%	0.0%	11.7	43.3	<5
	86	549.7	494.9	90%	22.9	32.3	0.0%	0.0%	0.0	7.7	17

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

March
YELLOWFIN SOLE
Data Table

VIII-8

Table VIII.3. (Continued.)

Block	Yr	Observed Catch (mt)		Total CPUEs			Bycatch Rates (numbers/mt)				
		Total	YFin	(%)	MT Per Hour	Tow	Hal	Her	KC	TC	Tows
171573	81	10.5	6.7	63%	3.5	N/A	0.0%	0.0%	0.2	105.9	<5

Note: *The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.*

April
YELLOWFIN SOLE
Data Table

Table VIII.4. Data used to prepare CPUE and bycatch rate charts for April.

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates			
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight) Hal	Her	KC	TC	Tows
158573	87	5.8	3.3	57%	1.8	N/A	2.5%	0.0%	1.9	0.0	<5
159570	85	7.4	4.0	55%	2.7	N/A	0.0%	0.0%	10.7	1.8	<5
	87	7.2	3.7	52%	4.8	N/A	0.0%	0.0%	0.4	2.5	<5
159573	87	24.3	14.9	61%	3.7	N/A	0.2%	0.0%	1.9	0.7	<5
159580	87	153.0	141.2	92%	5.9	19.1	0.0%	0.0%	0.0	0.0	8
159583	87	7.0	6.4	91%	1.6	N/A	0.0%	0.0%	0.0	0.0	<5
160563	83	16.0	7.0	44%	N/A	N/A	0.3%	0.0%	2.3	1.3	<5
	84	233.4	175.4	75%	41.4	13.0	0.2%	0.0%	6.5	6.3	18
160570	84	443.7	417.1	94%	72.3	19.3	0.0%	0.0%	7.7	1.3	23
	85	1,492.4	1,190.1	80%	10.3	17.4	0.1%	0.0%	4.4	1.2	86
160573	85	2.2	1.1	52%	1.1	N/A	0.1%	0.0%	26.8	15.9	<5
160580	88	210.5	188.5	90%	8.5	21.1	0.0%	0.0%	0.3	0.1	10
161560	82	627.1	352.2	56%	N/A	17.9	0.2%	0.1%	1.6	0.8	35
	83	61.5	17.6	29%	N/A	12.3	1.6%	0.0%	7.3	7.3	5
	84	12.6	4.8	38%	3.6	N/A	0.9%	0.0%	55.6	161.1	<5
	85	7.9	4.0	50%	2.6	N/A	0.0%	0.0%	1.1	1.1	<5
161563	82	3.0	1.7	55%	N/A	N/A	3.1%	0.0%	1.7	13.7	<5
	83	17.9	12.4	69%	N/A	N/A	0.0%	0.0%	3.2	3.1	<5
161570	85	223.0	174.2	78%	9.3	15.9	0.2%	0.0%	8.0	1.0	14
161580	87	11.7	6.7	57%	2.9	N/A	0.0%	0.0%	0.1	1.4	<5
162550	87	9.5	7.6	79%	N/A	N/A	0.0%	0.0%	9.3	2.3	<5
162553	83	1,075.6	495.9	46%	N/A	14.3	0.5%	0.0%	10.2	22.7	75
	84	1,382.0	712.5	52%	36.2	15.5	0.7%	0.0%	8.4	23.2	89
	85	275.4	210.3	76%	4.5	11.0	0.2%	0.0%	37.4	16.1	25
162560	83	862.8	354.4	41%	N/A	14.4	0.9%	0.0%	11.3	23.8	60
	84	160.3	63.1	39%	62.1	14.6	0.3%	0.0%	10.8	7.2	11
	85	36.2	17.9	49%	8.5	N/A	0.2%	0.0%	27.7	2.4	<5
	87	71.0	55.6	78%	23.7	N/A	0.0%	0.0%	1.2	3.1	<5
162563	85	573.8	540.1	94%	19.8	18.5	0.0%	0.0%	1.6	0.4	31
	86	128.9	99.8	77%	5.6	25.8	0.1%	0.0%	0.9	0.9	5
	87	71.7	31.9	45%	5.4	14.3	0.3%	0.0%	1.5	1.8	5
162570	84	3.5	1.2	34%	1.0	N/A	0.0%	0.0%	27.7	1.7	<5
	85	86.4	80.4	93%	11.5	14.4	0.0%	0.0%	0.5	0.2	6
	87	8,430.2	7,001.5	83%	20.5	26.3	0.0%	0.0%	3.1	3.1	321
162573	83	9.3	8.5	91%	5.1	N/A	0.0%	0.0%	1.0	3.7	<5
	87	287.4	223.9	78%	7.4	13.1	0.0%	0.0%	4.9	4.0	22
163550	84	69.9	18.0	26%	N/A	10.0	0.2%	0.0%	0.1	0.7	7

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

April
YELLOWFIN SOLE
Data Table

VIII-10

Table VIII.4. (Continued.)

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates			
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight) Hal	Her	KC	TC	Tows
163560	81	22.0	6.0	27%	3.2	N/A	0.5%	0.0%	1.5	0.4	<5
	87	27.0	11.5	43%	4.4	N/A	1.3%	0.0%	1.9	2.9	<5
163563	81	39.4	21.7	55%	2.4	N/A	1.0%	0.0%	1.8	2.7	<5
	84	1.7	1.2	72%	0.9	N/A	0.0%	0.0%	0.0	2.4	<5
	85	368.7	305.5	83%	13.9	41.0	0.0%	0.0%	0.4	2.3	9
	86	1,229.3	952.5	77%	8.7	19.2	0.0%	0.0%	1.2	0.9	64
	87	116.8	42.5	36%	5.0	16.7	0.7%	0.0%	2.4	5.7	7
163570	81	22.8	8.5	37%	N/A	N/A	0.7%	0.1%	3.2	1.4	<5
	83	47.2	35.4	75%	3.5	9.4	0.0%	0.0%	0.9	3.1	5
	84	2.4	0.9	37%	2.1	N/A	0.0%	0.0%	3.3	1.7	<5
	86	2,449.6	2,055.4	84%	14.0	22.7	0.0%	0.0%	0.1	0.3	108
	87	120.6	81.8	68%	5.7	13.4	0.0%	0.0%	4.2	11.0	9
163573	83	1.5	0.9	57%	0.5	N/A	0.0%	0.0%	0.7	8.7	<5
	87	7.0	3.5	49%	2.3	N/A	0.0%	0.0%	15.4	226.0	<5
163580	87	3.7	1.6	43%	1.2	N/A	0.0%	0.8%	0.5	3.8	<5
164543	84	67.4	37.8	56%	N/A	13.5	0.0%	0.0%	1.1	20.4	5
164560	87	20.7	11.9	57%	1.9	N/A	0.4%	0.0%	0.1	1.7	<5
164563	82	168.2	100.4	60%	5.3	10.5	0.4%	0.1%	0.1	1.2	16
	83	2.4	0.7	29%	1.7	N/A	1.4%	0.0%	0.4	3.8	<5
	84	518.7	359.5	69%	6.5	27.3	0.0%	0.0%	0.0	7.8	19
	85	1,092.7	937.8	86%	11.4	22.3	0.1%	0.0%	0.5	3.5	49
	86	1,476.3	1,223.8	83%	7.4	18.5	0.1%	0.0%	1.5	2.7	80
	87	59.6	17.7	30%	2.9	N/A	0.5%	0.0%	0.4	5.6	<5
164570	81	70.9	51.3	72%	2.7	5.9	0.3%	0.2%	4.4	13.2	12
	83	123.4	81.2	66%	4.9	12.3	0.1%	0.0%	0.8	4.3	10
	86	1,151.1	963.7	84%	13.3	23.5	0.0%	0.0%	0.0	0.3	49
164573	83	416.5	331.1	79%	7.5	14.4	0.0%	0.0%	0.4	5.8	29
165553	84	45.0	30.3	67%	8.7	N/A	0.1%	0.0%	0.0	1.9	<5
165560	86	1,243.5	825.0	66%	10.0	21.8	0.0%	0.0%	0.0	2.7	57
	88	301.8	125.1	41%	7.0	16.8	0.4%	0.0%	0.0	3.9	18
165563	82	76.4	43.8	57%	1.6	4.8	0.6%	0.5%	0.1	2.6	16
	83	26.2	14.6	56%	1.7	2.6	0.5%	0.0%	0.0	6.0	10
	84	5,337.3	4,129.2	77%	6.8	22.8	0.1%	0.0%	0.0	9.4	234
	85	603.9	469.7	78%	3.8	9.6	0.3%	0.0%	0.0	8.2	63
	86	4,213.8	2,927.7	69%	8.0	19.2	0.0%	0.0%	0.0	6.7	219
	87	159.3	102.4	64%	4.5	11.4	0.8%	0.0%	0.1	15.4	14
	88	220.7	88.8	40%	2.5	11.6	0.3%	0.0%	0.0	4.9	19

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

April
YELLOWFIN SOLE
Data Table

Table VIII.4. (Continued.)

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates (numbers/mt)			
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight) Hal	Her	KC	TC	Tows
165570	81	64.8	45.0	69%	2.2	4.3	0.1%	0.0%	0.6	11.4	15
	82	9.2	4.5	49%	0.9	N/A	0.1%	11.1%	0.9	12.8	<5
	83	11.8	7.5	63%	1.4	N/A	0.0%	0.0%	0.3	54.2	<5
	85	118.7	86.9	73%	5.9	14.8	0.1%	0.0%	0.0	5.2	8
	86	9.0	5.8	65%	1.6	N/A	0.0%	0.0%	0.0	80.0	<5
	87	839.2	375.2	45%	2.8	10.5	0.8%	0.0%	0.1	29.0	80
	88	23.6	11.2	47%	1.3	3.9	2.5%	0.0%	0.0	14.7	6
165573	83	141.3	113.0	80%	4.4	9.4	0.0%	0.0%	0.3	16.3	15
	87	1,503.6	742.9	49%	3.6	13.0	0.3%	0.0%	0.1	71.6	116
165580	87	6.0	1.8	31%	1.8	N/A	0.0%	0.2%	0.0	3.3	<5
166560	88	297.7	99.6	33%	10.0	22.9	1.7%	0.0%	0.0	7.5	13
166563	82	36.1	26.2	73%	1.8	6.0	0.2%	0.1%	0.2	3.2	6
	83	231.7	184.5	80%	5.3	7.0	0.0%	0.0%	0.1	2.8	33
	84	267.6	172.2	64%	3.3	9.2	0.0%	0.0%	0.0	2.8	29
	85	14.2	8.6	60%	2.3	N/A	0.1%	0.0%	0.0	14.4	<5
	87	3.5	1.5	43%	1.8	N/A	2.6%	0.0%	0.0	24.9	<5
	88	2,891.0	1,568.2	54%	11.5	20.8	0.2%	0.0%	0.0	3.0	139
	89	1.3	0.6	46%	0.9	N/A	0.0%	0.0%	0.0	31.5	<5
166570	82	6.7	3.2	48%	0.8	N/A	0.9%	3.4%	5.5	6.6	<5
	83	735.6	486.2	66%	3.9	11.1	0.0%	0.0%	0.8	73.5	66
	85	14.2	7.6	53%	1.9	N/A	0.6%	0.0%	0.0	4.9	<5
	87	465.1	215.4	46%	3.1	11.6	1.0%	0.0%	0.0	128.3	40
	88	7.8	2.5	32%	N/A	N/A	0.0%	0.0%	0.0	41.3	<5
	89	2.3	0.6	24%	0.6	N/A	0.0%	0.0%	0.4	19.1	<5
166573	83	77.7	64.7	83%	5.4	15.5	0.0%	0.0%	0.2	13.8	5
	87	2,398.8	1,359.1	57%	4.2	14.4	0.3%	0.0%	0.0	213.5	167
	89	603.8	305.9	51%	3.6	14.7	0.1%	0.0%	0.0	349.9	41
166580	87	22.0	4.5	20%	11.0	N/A	2.7%	0.0%	0.0	0.7	<5
167560	83	1.6	1.1	67%	0.8	N/A	0.5%	0.0%	0.0	13.1	<5
	84	230.0	171.7	75%	3.4	11.5	0.0%	0.0%	0.0	2.3	20
	88	5,285.0	2,832.6	54%	9.9	25.9	0.1%	0.0%	0.0	27.2	204
167570	83	100.4	58.0	58%	3.9	14.3	0.0%	0.0%	0.0	83.2	7
	84	10.7	8.6	80%	3.5	N/A	0.0%	0.0%	0.4	11.7	<5
	87	27.5	7.1	26%	2.4	N/A	0.6%	0.1%	0.0	69.5	<5
167573	82	5.3	3.8	71%	0.4	0.9	0.0%	2.5%	0.6	7.5	6
	83	159.5	121.9	76%	1.7	4.7	0.0%	0.0%	0.4	27.4	34
	87	176.3	70.8	40%	3.7	14.7	0.4%	0.0%	0.0	114.0	12
167580	87	1,151.6	641.6	56%	4.4	15.6	0.1%	0.0%	0.0	260.6	74

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

April
YELLOWFIN SOLE
Data Table

VIII-12

Table VIII.4. (Continued.)

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates (numbers/mt)			
		Total	YFin	(%)	MT Per Hour	Tow	Hai	Her	KC	TC	Tows
168573	82	0.2	0.2	80%	0.1	N/A	0.0%	5.0%	0.0	35.0	<5
	83	11.3	7.3	65%	1.0	2.3	0.2%	0.0%	0.6	8.1	5
	87	9.0	2.4	27%	3.0	N/A	1.0%	0.0%	0.0	621.2	<5
168580	83	7.8	4.2	53%	1.0	N/A	0.0%	0.0%	0.1	23.3	<5
	87	655.4	382.4	58%	4.2	16.0	0.0%	0.0%	0.0	63.6	41
168583	87	156.9	91.4	58%	3.7	14.3	0.0%	0.0%	0.1	52.9	11
171570	84	67.8	49.3	73%	7.0	9.7	0.0%	0.0%	0.0	96.2	7
171573	83	65.6	43.6	66%	1.3	3.0	0.1%	0.0%	0.2	21.4	22
	84	3.2	2.3	72%	3.6	N/A	0.0%	0.0%	0.0	4.4	<5
171580	83	11.9	7.5	63%	0.8	2.4	0.0%	0.0%	0.1	26.8	5

Note: *The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.*

May
YELLOWFIN SOLE
Data Table

Table VIII.5. Data used to prepare CPUE and bycatch rate charts for May.

Block	Yr	Observed			Total CPUEs			Bycatch Rates			
		Total	Catch (mt)	(%)	MT Per	Hour	Tow	(% by weight)	Hal	Her	(numbers/mt)
157580	88	139.0	121.8	88%	9.0	23.2		1.4%	0.1%	0.0	0.0
158570	81	43.0	13.6	32%	N/A	N/A		0.0%	0.0%	0.0	0.0
158573	81	383.0	199.3	52%	N/A	13.2		0.3%	0.1%	1.6	0.0
	83	1,885.8	1,030.9	55%	3.7	12.8		0.1%	0.0%	4.9	0.0
	84	55.0	42.2	77%	7.2	N/A		0.0%	0.0%	1.1	0.5
158580	88	55.3	44.0	80%	2.4	7.9		0.1%	0.1%	0.2	0.0
159563	81	82.0	27.4	33%	N/A	7.5		0.2%	0.0%	55.6	11.8
	82	166.2	70.2	42%	N/A	9.8		0.0%	0.0%	1.7	1.0
	84	83.8	68.3	82%	14.6	N/A		0.0%	0.1%	2.2	1.7
	85	7.1	2.1	29%	2.7	N/A		2.5%	0.0%	3.2	8.2
159570	82	371.0	201.7	54%	N/A	12.0		0.0%	0.0%	2.0	0.4
	83	287.3	213.0	74%	1.7	13.7		0.2%	0.0%	23.7	30.1
	84	236.5	136.8	58%	28.2	16.9		0.1%	0.0%	4.5	2.9
	85	293.0	225.5	77%	9.6	18.3		0.1%	0.0%	4.8	2.3
159573	81	600.8	272.4	45%	N/A	11.6		0.4%	0.0%	64.5	1.3
	82	366.9	312.1	85%	N/A	12.7		0.0%	0.0%	3.6	0.2
	83	983.2	593.8	60%	1.4	10.7		0.4%	0.0%	16.6	8.9
	84	123.0	75.6	61%	16.4	15.4		0.1%	0.0%	7.9	1.4
	85	152.6	90.5	59%	6.8	17.0		0.2%	0.0%	9.9	2.2
	86	2.4	0.8	34%	1.6	N/A		2.0%	0.0%	9.6	4.6
	88	29.1	27.8	95%	6.1	N/A		0.0%	0.0%	0.2	0.0
159580	83	129.1	98.6	76%	N/A	14.3		0.3%	0.0%	50.6	20.3
	87	4,585.3	4,326.0	94%	7.9	19.9		0.0%	0.0%	0.1	0.0
	88	13,241.3	11,856.4	90%	5.1	18.4		0.1%	0.1%	0.1	0.0
159583	87	21,225.0	20,529.6	97%	13.9	23.6		0.0%	0.2%	0.0	0.0
	88	22,220.0	19,928.1	90%	6.0	20.0		0.0%	0.4%	0.0	0.0
										1,113	
160560	82	397.7	124.3	31%	N/A	15.3		0.2%	0.1%	21.3	3.3
	84	77.4	48.8	63%	12.8	15.5		0.2%	0.0%	4.6	3.9
160563	82	192.6	74.4	39%	N/A	16.1		0.0%	0.0%	7.6	2.4
160570	83	61.0	54.8	90%	N/A	N/A		0.1%	0.0%	68.7	50.9
	84	3,900.2	3,143.2	81%	31.7	15.3		0.1%	0.0%	14.3	4.3
	85	744.7	454.6	61%	5.4	14.3		0.4%	0.0%	9.7	5.1
160573	81	74.0	56.5	76%	N/A	12.3		0.2%	0.0%	5.1	0.1
	82	209.0	180.4	86%	N/A	13.9		0.0%	0.0%	1.2	0.0
	83	75.0	53.1	71%	N/A	15.0		0.1%	0.0%	37.1	35.9
	84	832.2	618.5	74%	24.9	16.0		0.0%	0.0%	9.3	4.5
	85	217.5	126.2	58%	5.0	14.5		0.4%	0.0%	18.1	4.3
160580	87	96.4	75.7	78%	5.4	16.1		0.2%	0.0%	0.9	0.0
	88	7,538.9	6,175.9	82%	5.0	18.2		0.3%	0.1%	0.6	0.1
										415	

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

May
YELLOWFIN SOLE
Data Table

VIII-14

Table VIII.5. (Continued.)

Block	Yr	Observed			Total CPUEs			Bycatch Rates			
		Total	Catch (mt)	(%)	MT Per	Hour	Tow	(% by weight)	(numbers/mt)	KC	TC
160583	87	245.9	228.0	93%	5.1	20.5	0.0%	0.1%	0.0	0.0	12
	88	1,819.1	1,719.5	95%	6.2	22.5	0.0%	0.2%	0.0	0.0	81
161553	88	22.7	6.5	29%	8.2	N/A	1.0%	0.3%	1.1	0.0	<5
161560	82	132.0	29.2	22%	N/A	14.7	0.3%	0.0%	34.3	3.8	9
161563	84	38.0	22.6	60%	20.9	N/A	0.6%	0.0%	75.0	10.0	<5
161570	85	1,750.3	1,438.3	82%	9.2	17.3	0.1%	0.0%	4.7	2.8	101
161573	83	32.3	16.7	52%	4.4	N/A	0.8%	0.0%	32.3	0.3	<5
	84	3.6	2.2	60%	2.2	N/A	0.0%	0.0%	114.7	3.9	<5
	85	155.0	118.1	76%	6.3	14.1	0.1%	0.0%	11.9	4.7	11
161580	87	5.2	2.3	44%	1.4	N/A	2.3%	2.3%	2.1	0.2	<5
	88	251.2	169.2	67%	4.0	14.8	0.6%	0.3%	1.4	0.0	17
162553	83	255.4	87.7	34%	N/A	10.6	1.4%	0.0%	11.2	48.1	24
162560	83	584.5	285.5	49%	N/A	11.7	1.2%	0.0%	10.3	25.3	50
	84	73.9	16.8	23%	N/A	N/A	2.2%	0.0%	14.7	76.4	<5
	85	28.1	21.7	77%	4.1	N/A	0.1%	0.0%	1.7	0.3	<5
162563	85	7,670.2	7,244.0	94%	14.7	17.6	0.1%	0.0%	1.4	0.7	436
	86	5,253.6	3,314.3	63%	6.7	17.1	0.5%	0.0%	3.6	1.7	308
162570	83	114.7	38.6	34%	6.9	N/A	0.1%	0.0%	7.0	0.7	<5
	84	19.0	9.9	52%	N/A	3.2	6.9%	0.0%	9.2	0.8	6
	85	1,855.8	1,665.2	90%	7.6	15.7	0.1%	0.0%	1.4	1.0	118
	86	3,963.2	3,048.3	77%	8.0	18.6	0.3%	0.0%	1.0	2.4	213
162573	83	223.0	90.3	40%	4.5	20.3	0.3%	0.0%	13.1	3.2	11
	84	7.7	5.1	66%	1.5	N/A	0.0%	0.0%	34.0	0.5	<5
	85	688.7	509.0	74%	2.7	12.1	0.1%	0.0%	2.2	6.6	57
162580	86	13.2	7.6	57%	3.0	N/A	0.2%	0.2%	1.0	0.1	<5
	88	23.6	15.4	65%	1.5	N/A	0.9%	0.2%	2.2	0.1	<5
163560	85	11.7	9.3	79%	2.1	N/A	0.0%	0.1%	0.0	0.0	<5
163563	81	10.0	4.5	45%	1.9	N/A	0.1%	0.0%	2.4	3.9	<5
	82	17.9	12.2	68%	4.1	N/A	0.7%	0.1%	2.4	1.3	<5
	85	252.6	187.5	74%	5.8	13.3	1.6%	0.0%	3.2	1.9	19
	86	2,230.5	1,510.2	68%	6.4	18.1	0.4%	0.0%	4.2	1.4	123
163570	82	285.7	258.9	91%	14.3	20.4	0.0%	0.6%	2.1	1.2	14
	83	97.8	43.8	45%	4.8	N/A	0.2%	0.0%	4.0	0.4	<5
	85	151.7	104.6	69%	1.9	8.9	0.4%	0.1%	2.3	2.7	17
	86	13,048.3	10,081.4	77%	10.5	21.9	0.2%	0.1%	0.2	2.3	597
163573	83	35.0	15.5	44%	2.7	N/A	0.2%	0.0%	12.2	3.5	<5
	85	162.6	123.2	76%	2.0	10.2	0.2%	0.1%	1.9	4.9	16
	86	77.4	48.0	62%	2.7	11.1	0.6%	0.2%	0.4	32.4	7

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

May
YELLOWFIN SOLE
Data Table

Table VIII.5. (Continued.)

Block	Yr	Observed			Total CPUEs			Bycatch Rates			
		Total	Catch (mt)	(%)	MT Per	Hour	Tow	(% by weight)	KC	TC	Tows
163580	85	5.0	2.4	47%	3.0	N/A	0.0%	0.6%	66.6	0.0	<5
	86	16.1	8.0	50%	1.4	N/A	0.7%	0.1%	0.5	0.6	<5
	87	10.8	3.9	36%	3.6	N/A	1.0%	0.0%	1.1	4.1	<5
163583	86	2.3	1.0	43%	2.3	N/A	2.5%	0.9%	0.0	0.0	<5
164563	81	126.2	90.3	72%	7.5	N/A	0.1%	0.0%	1.6	6.0	<5
	82	39.0	25.4	65%	3.7	N/A	0.2%	0.3%	0.1	1.4	<5
	85	9.3	5.1	55%	1.6	N/A	2.2%	0.0%	11.6	13.8	<5
	86	10.2	5.6	55%	2.1	N/A	3.3%	0.0%	32.5	12.6	<5
164570	81	22.5	11.9	53%	3.0	N/A	0.8%	0.0%	6.8	10.0	<5
	82	34.4	24.4	71%	2.7	N/A	0.1%	0.7%	13.0	12.6	<5
	83	37.0	24.0	65%	6.5	N/A	0.0%	0.0%	0.5	0.0	<5
	84	3.4	2.0	60%	1.5	N/A	0.1%	0.0%	0.3	5.9	<5
	85	10.8	7.9	73%	1.9	N/A	2.6%	0.0%	19.3	17.4	<5
	86	250.6	190.0	76%	4.7	13.9	0.4%	0.1%	0.1	2.7	18
	83	11.9	8.5	71%	2.0	N/A	0.1%	0.0%	0.4	16.8	<5
164573	85	16.9	9.4	56%	1.3	N/A	0.4%	0.1%	0.9	4.8	<5
	86	26.0	14.5	56%	2.7	N/A	0.4%	0.2%	0.0	3.0	<5
164580	85	6.1	2.8	46%	2.0	N/A	0.0%	0.8%	0.5	0.0	<5
164590	86	2.1	1.6	75%	2.1	N/A	0.0%	3.3%	0.0	0.0	<5
165563	81	79.0	41.7	53%	5.7	N/A	1.3%	0.0%	1.0	4.1	<5
	82	47.3	12.4	26%	2.9	N/A	0.7%	0.2%	0.4	7.4	<5
	84	1,759.0	1,561.9	89%	25.4	33.2	0.2%	0.0%	0.0	2.3	53
	85	2.4	0.5	22%	1.6	N/A	5.8%	0.0%	0.0	103.8	<5
165570	81	35.2	13.8	39%	2.7	N/A	0.3%	0.8%	3.5	7.8	<5
	82	4.5	1.1	24%	1.0	N/A	4.7%	5.1%	4.9	1.3	<5
	84	33.1	19.3	58%	1.3	4.1	2.0%	0.0%	0.5	53.7	8
	85	4.8	2.3	48%	1.5	N/A	0.5%	0.0%	0.0	42.1	<5
	86	188.4	96.0	51%	2.6	12.6	0.6%	0.1%	0.1	53.7	15
	88	156.7	65.2	42%	3.7	15.7	0.9%	0.0%	0.5	14.0	10
	82	7.7	1.7	22%	1.5	N/A	0.7%	0.8%	0.8	20.9	<5
165573	83	97.6	54.9	56%	1.5	4.6	0.4%	0.1%	0.6	9.7	21
	84	361.8	230.7	64%	2.8	13.4	0.2%	0.0%	0.3	9.9	27
	85	123.6	55.6	45%	2.1	7.7	0.6%	0.1%	0.4	4.7	16
	86	1,222.8	718.0	59%	2.7	13.3	0.7%	0.2%	0.0	42.3	92
	87	41.3	19.7	48%	2.7	N/A	3.6%	0.0%	0.0	5.3	<5
	88	1,084.2	652.3	60%	3.6	15.1	0.2%	0.3%	0.1	21.0	72
	83	10.5	4.5	43%	1.7	N/A	0.2%	0.3%	0.4	16.8	<5
	85	12.1	6.2	51%	2.0	N/A	1.6%	0.0%	0.2	14.2	<5
165580	86	80.8	47.6	59%	1.7	11.5	0.8%	0.3%	0.0	89.9	7
	87	229.1	126.8	55%	2.5	10.9	1.8%	0.1%	0.0	9.5	21

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

May
YELLOWFIN SOLE
Data Table

VIII-16

Table VIII.5. (Continued.)

Block	Yr	Observed			Total CPUEs			Bycatch Rates				
		Total	Catch (mt)	(%)	MT Per	Hour	Tow	(% by weight)	Hal	Her	KC	TC
166563	84	787.2	602.5	77%	10.2	15.1	0.1%	0.0%	0.0	1.7	52	
	85	26.3	17.4	66%	2.1	N/A	0.7%	0.1%	0.0	14.1	<5	
166570	83	12.2	6.6	54%	1.4	N/A	0.9%	0.0%	0.6	13.0	<5	
	84	162.2	97.4	60%	3.8	8.1	0.6%	0.0%	0.1	9.5	20	
	85	113.8	63.6	56%	2.6	8.8	1.2%	0.1%	0.0	16.3	13	
	88	4.5	1.7	39%	1.5	N/A	0.0%	0.0%	0.2	74.9	<5	
166573	81	13.1	4.2	32%	1.2	N/A	0.3%	0.0%	0.8	9.9	<5	
	82	2.6	0.8	30%	0.2	N/A	1.8%	0.0%	0.8	5.4	<5	
	83	29.5	11.2	38%	1.0	3.0	0.5%	0.0%	0.3	82.4	10	
	84	16.1	9.0	56%	1.1	N/A	0.2%	0.0%	0.2	20.8	<5	
	85	35.1	15.9	45%	2.0	5.9	0.1%	0.2%	0.2	4.0	6	
	86	386.2	180.4	47%	2.6	13.8	0.8%	0.1%	0.0	59.4	28	
	87	7.0	1.8	25%	1.5	N/A	0.4%	0.0%	0.0	612.0	<5	
	88	137.6	83.3	61%	2.7	11.5	0.0%	1.6%	0.0	60.1	12	
166580	83	180.3	95.5	53%	0.9	2.3	0.2%	0.1%	0.5	19.9	79	
	85	17.7	8.0	45%	1.7	N/A	0.0%	0.3%	0.0	7.2	<5	
	86	355.7	173.3	49%	3.1	15.5	0.9%	0.1%	0.0	35.6	23	
	87	142.7	67.7	47%	2.4	10.2	2.7%	0.2%	0.1	10.5	14	
	88	56.0	16.7	30%	2.9	11.2	0.1%	2.3%	0.0	14.8	5	
166583	83	18.6	7.9	42%	0.8	2.1	0.0%	0.1%	0.4	20.3	9	
	84	4.6	2.4	52%	2.0	N/A	0.2%	0.0%	0.2	0.0	<5	
167570	83	4.4	1.6	36%	1.4	N/A	2.2%	0.0%	3.0	0.9	<5	
	84	15.0	7.6	50%	1.5	N/A	0.3%	0.1%	0.3	1.1	<5	
	85	9.1	4.7	52%	3.0	N/A	0.0%	0.0%	0.0	7.3	<5	
167573	82	0.3	0.1	23%	0.1	N/A	0.9%	0.0%	0.0	6.7	<5	
	84	5.4	4.3	80%	0.9	N/A	0.2%	0.0%	0.4	7.8	<5	
	85	6.6	3.8	57%	2.2	N/A	0.0%	0.2%	0.0	44.4	<5	
	86	2.0	0.6	32%	2.0	N/A	2.5%	0.0%	0.0	921.0	<5	
	88	8.0	1.6	20%	2.0	N/A	0.3%	0.0%	0.0	21.6	<5	
	82	1.9	1.0	51%	0.3	N/A	0.6%	0.0%	0.0	1.1	<5	
167580	83	129.4	73.3	57%	0.6	1.7	0.3%	0.2%	0.3	27.3	78	
	84	1.7	0.9	55%	0.7	N/A	0.6%	0.0%	0.0	8.2	<5	
	86	67.4	31.4	47%	2.0	9.6	0.3%	2.0%	0.0	195.5	7	
	87	181.7	62.5	34%	2.6	11.4	0.4%	0.0%	0.1	55.8	16	
	88	15.4	3.4	22%	3.6	N/A	0.1%	0.0%	0.0	114.9	<5	
	82	0.6	0.4	63%	0.2	N/A	0.0%	0.0%	0.0	5.0	<5	
167583	83	1.7	0.8	45%	0.7	N/A	0.1%	0.0%	0.0	5.3	<5	
	87	28.4	13.3	47%	3.5	N/A	0.1%	0.0%	0.0	5.1	<5	

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

YELLOWFIN SOLE
Data Table

Table VIII.5. (Continued.)

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates (numbers/mt)			
		Total	YFin	(%)	MT Per Hour	Tow	Hal	Her	KC	TC	Tows
168573	82	28.5	6.8	24%	2.9	N/A	0.0%	0.5%	0.0	1.1	<5
	84	3.4	2.5	75%	2.3	N/A	0.0%	0.0%	0.3	11.5	<5
	88	17.6	4.8	27%	N/A	N/A	0.0%	0.0%	0.0	31.8	<5
168580	82	4.3	2.0	46%	0.3	N/A	2.1%	0.2%	0.0	0.2	<5
	83	7.0	4.3	62%	1.5	N/A	0.0%	0.0%	0.0	0.0	<5
	84	43.3	34.0	79%	2.0	3.9	0.0%	0.0%	0.1	5.6	11
	85	3.0	0.9	31%	0.8	N/A	0.0%	8.7%	2.7	469.3	<5
	87	565.8	224.3	40%	3.8	16.6	0.1%	0.0%	0.1	141.6	34
	88	26.1	12.7	49%	4.2	N/A	0.0%	0.3%	0.0	54.6	<5
	168583	578.6	254.0	44%	4.2	17.0	0.1%	0.3%	0.1	11.1	34
169580	83	0.4	0.2	38%	0.2	N/A	0.9%	0.0%	0.0	455.0	<5
	84	2.2	1.2	55%	0.5	N/A	0.0%	0.0%	0.0	40.0	<5
169583	87	123.8	68.2	55%	4.8	20.6	0.1%	1.1%	0.0	10.3	6
169590	87	11.8	5.5	47%	2.9	N/A	0.1%	2.2%	0.0	7.4	<5
170580	83	31.1	12.9	41%	0.5	1.3	0.0%	0.0%	0.4	18.2	24
170583	83	9.7	4.5	46%	0.4	1.2	0.0%	0.0%	0.1	89.3	8

Note: *The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.*

June
YELLOWFIN SOLE
Data Table

VIII-18

Table VIII.6. Data used to prepare CPUE and bycatch rate charts for June.

Block	Yr	Observed			Total CPUEs			Bycatch Rates				
		Total	Catch (mt)	(%)	MT Per	Hour	Tow	(% by weight)	Hal	Her	KC	TC
158563	82	84.1	74.3	88%	N/A	16.8	0.2%	0.0%	0.3	0.0	0.0	5
158570	82	80.0	72.6	91%	N/A	N/A	0.1%	0.0%	0.5	0.0	0.0	<5
	85	12.2	8.3	68%	N/A	N/A	0.1%	0.0%	5.2	6.6	6.6	<5
158573	81	47.0	14.7	31%	N/A	N/A	0.1%	0.0%	0.4	0.0	0.0	<5
	82	814.8	592.3	73%	N/A	16.6	0.4%	0.0%	2.6	0.0	0.0	49
	84	91.3	41.4	45%	15.9	11.4	0.2%	0.0%	0.5	0.1	0.1	8
	85	29.3	10.4	36%	2.6	N/A	0.4%	0.0%	4.6	0.1	0.1	<5
158580	87	15.6	5.3	34%	3.9	N/A	0.6%	0.1%	1.0	0.0	0.0	<5
159563	81	380.2	106.4	28%	N/A	14.1	0.2%	0.2%	1.0	0.1	0.1	27
159570	81	110.1	27.5	25%	N/A	12.2	0.1%	0.1%	0.4	0.0	0.0	9
	82	175.0	135.6	77%	N/A	14.6	0.0%	0.0%	0.3	0.0	0.0	12
	83	722.0	589.5	82%	N/A	14.2	0.2%	0.1%	27.6	12.4	12.4	51
	84	288.8	226.2	78%	25.6	20.6	0.1%	0.0%	3.6	0.4	0.4	14
	85	2,153.1	1,543.9	72%	5.4	13.1	0.2%	0.0%	7.3	4.0	4.0	164
159573	81	34.8	21.8	63%	N/A	N/A	0.2%	0.0%	5.0	0.1	0.1	<5
	82	2,223.7	1,729.7	78%	N/A	15.7	0.3%	0.0%	3.8	0.0	0.0	142
	83	380.0	316.3	83%	N/A	14.1	0.1%	0.1%	9.6	7.0	7.0	27
	84	306.5	200.8	65%	23.5	17.0	0.2%	0.0%	63.5	0.9	0.9	18
	85	689.9	432.0	63%	4.0	13.3	0.4%	0.0%	6.0	5.5	5.5	52
159580	82	55.0	47.0	85%	N/A	11.0	0.2%	0.0%	2.8	0.0	0.0	5
	87	6,300.3	5,713.7	91%	4.8	19.7	0.3%	0.3%	0.1	0.0	0.0	320
	88	1,937.4	1,740.7	90%	4.5	17.9	0.1%	0.1%	0.1	0.0	0.0	108
159583	87	13,552.5	12,996.2	96%	5.7	21.7	0.1%	0.5%	0.0	0.0	0.0	625
	88	2,181.5	1,998.4	92%	3.7	16.8	0.1%	0.3%	0.0	0.0	0.0	130
160560	85	350.1	138.8	40%	4.2	14.6	0.6%	4.6%	3.8	0.6	0.6	24
	87	23.6	6.9	29%	4.4	N/A	2.5%	0.0%	0.3	0.0	0.0	<5
160563	81	253.1	63.3	25%	N/A	12.1	0.3%	0.3%	1.7	0.3	0.3	21
	83	453.5	151.9	33%	N/A	11.9	1.0%	0.1%	1.4	0.8	0.8	38
	84	62.0	23.2	37%	30.0	10.3	0.3%	0.0%	4.0	0.4	0.4	6
	85	1.1	0.3	26%	0.6	N/A	2.3%	0.0%	18.2	6.4	6.4	<5
160570	82	36.3	16.3	45%	N/A	N/A	0.1%	0.0%	1.1	0.2	0.2	<5
	83	2,865.3	2,306.1	80%	N/A	14.3	0.1%	0.1%	38.2	21.3	21.3	201
	84	6,893.2	5,484.3	80%	28.8	19.5	0.1%	0.1%	8.0	2.2	2.2	354
	85	6,864.4	4,543.4	66%	4.6	14.5	0.3%	0.1%	5.4	4.1	4.1	474
160573	83	702.1	595.0	85%	N/A	14.3	0.1%	0.1%	12.2	13.6	13.6	49
	84	2,272.8	1,636.8	72%	20.9	18.0	0.1%	0.1%	4.4	1.2	1.2	126
	85	829.4	517.1	62%	4.3	15.4	0.4%	0.3%	4.4	2.2	2.2	54

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

Table VIII.6. (Continued.)

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates (numbers/mt)			
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight) Hal	Her	KC	TC	Tows
160580	85	11.1	8.5	77%	1.5	N/A	0.2%	0.0%	13.9	0.2	<5
	87	805.3	653.8	81%	4.1	18.3	0.4%	0.9%	1.4	0.1	44
	88	144.9	104.6	72%	3.0	14.5	0.4%	0.1%	1.0	0.0	10
160583	87	1,882.0	1,820.9	97%	5.9	21.9	0.1%	0.3%	0.0	0.0	86
	88	584.7	551.9	94%	4.3	17.2	0.1%	0.3%	0.0	0.0	34
161560	85	360.9	128.4	36%	4.8	18.0	0.9%	5.4%	3.4	0.5	20
	86	9.4	2.1	22%	6.3	N/A	5.3%	0.0%	6.2	3.1	<5
	87	81.2	25.4	31%	2.9	8.1	3.1%	1.0%	0.1	0.0	10
	88	34.8	14.3	41%	4.9	N/A	1.1%	0.7%	0.7	0.0	<5
	89	76.1	22.4	29%	7.0	N/A	2.4%	0.0%	50.1	0.2	<5
161563	84	57.3	41.1	72%	14.3	N/A	0.0%	0.1%	10.8	2.6	<5
	85	11.9	3.0	25%	1.2	N/A	1.2%	0.0%	48.1	9.1	<5
161570	84	62.0	55.0	89%	34.4	N/A	0.0%	0.0%	0.0	0.0	<5
	85	245.7	127.4	52%	3.2	12.9	0.7%	0.0%	5.3	6.9	19
161573	82	15.7	11.9	76%	N/A	N/A	0.2%	0.0%	3.8	0.1	<5
	83	79.0	35.6	45%	4.5	N/A	0.3%	1.7%	10.3	1.8	<5
	84	122.7	91.4	75%	20.6	20.5	0.1%	0.0%	11.1	1.5	6
	85	84.7	50.9	60%	1.9	7.7	0.5%	0.0%	7.2	0.4	11
161580	85	4.1	1.5	36%	0.6	N/A	1.8%	0.0%	6.8	0.2	<5
	86	7.5	2.8	38%	1.8	N/A	4.7%	0.0%	2.8	0.0	<5
	87	230.3	132.8	58%	3.5	20.9	2.0%	2.4%	3.8	0.0	11
162553	84	11.2	2.6	24%	2.9	N/A	2.8%	10.0%	1.3	0.4	<5
	87	34.0	13.2	39%	2.1	6.8	6.6%	0.6%	0.1	0.0	5
162560	85	6.5	1.5	23%	1.5	N/A	0.3%	0.0%	8.5	3.5	<5
162563	82	13.0	10.5	81%	N/A	N/A	0.0%	0.0%	0.8	0.0	<5
	84	52.3	22.4	43%	7.4	N/A	0.2%	0.0%	6.5	1.4	<5
	85	555.6	338.5	61%	2.6	11.8	1.1%	0.0%	2.5	3.7	47
162570	84	2.3	0.7	31%	1.1	N/A	0.0%	0.0%	0.0	3.9	<5
	85	507.0	270.9	53%	3.1	14.1	0.6%	0.0%	2.3	11.7	36
	86	5.3	3.0	57%	1.4	N/A	2.3%	0.0%	5.3	12.8	<5
162573	83	59.5	25.4	43%	3.6	N/A	0.7%	2.5%	8.0	19.9	<5
	84	22.9	12.4	54%	1.8	N/A	0.0%	0.0%	1.7	0.0	<5
	85	1,534.0	925.0	60%	3.5	17.0	0.2%	0.1%	1.2	2.0	90
	86	28.9	17.4	60%	1.4	N/A	0.1%	0.1%	0.5	8.7	<5
162580	82	8.7	6.7	77%	N/A	N/A	0.0%	0.0%	0.0	0.0	<5
	85	48.1	19.0	39%	1.5	5.3	2.2%	0.0%	2.7	0.1	9
	86	13.6	8.2	60%	2.4	N/A	0.6%	0.0%	0.3	0.1	<5
	87	72.9	19.5	27%	2.8	14.6	1.2%	0.1%	0.3	0.0	5
	88	6.0	3.0	50%	N/A	N/A	1.5%	0.0%	2.3	0.0	<5

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

June
YELLOWFIN SOLE
Data Table

VIII-20

Table VIII.6. (Continued.)

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates				
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight)	Hal	Her	KC	TC	Tows
162583	87	2,644.0	2,205.5	83%	4.3	17.6	0.5%	0.4%	0.0	0.0	0.0	150
162590	87	858.9	767.0	89%	4.8	17.9	0.5%	0.5%	0.0	0.0	0.0	48
163550	89	41.8	10.7	26%	9.6	N/A	1.5%	1.8%	0.0	2.9	<5	
163560	85	7.2	2.8	38%	2.9	N/A	0.1%	0.0%	0.6	0.0	<5	
163563	85	77.4	43.7	57%	2.5	9.7	1.0%	0.0%	2.6	6.1	8	
	86	24.2	12.1	50%	1.9	N/A	0.2%	0.8%	0.6	8.6	<5	
163570	85	642.1	381.2	59%	2.8	12.8	0.4%	0.1%	1.5	17.2	50	
	86	237.7	169.7	71%	2.2	8.8	0.7%	0.0%	0.6	18.7	27	
	87	26.8	14.2	53%	5.7	N/A	0.0%	0.0%	0.0	18.5	<5	
163573	84	1,502.5	1,224.1	81%	1.3	14.3	1.0%	0.0%	0.9	0.0	105	
	85	304.7	182.2	60%	2.5	11.3	0.6%	0.2%	1.7	1.7	27	
163580	84	263.5	197.0	75%	2.1	6.9	0.6%	0.1%	0.7	0.0	38	
	85	538.8	311.2	58%	1.8	8.2	1.7%	0.1%	1.6	0.0	66	
	86	5.6	3.2	57%	1.4	N/A	4.4%	0.0%	0.5	0.2	<5	
	87	911.7	463.6	51%	3.4	18.6	0.7%	0.1%	0.4	0.0	49	
163583	84	61.2	48.2	79%	1.8	6.1	0.3%	0.0%	0.4	0.0	10	
	87	5,104.1	3,488.8	68%	3.6	16.8	0.5%	0.1%	0.1	0.0	304	
163590	87	4,114.8	3,556.7	86%	3.9	17.2	0.5%	0.1%	0.0	0.1	239	
164550	85	5.4	1.6	31%	1.8	N/A	1.5%	0.0%	12.8	15.9	<5	
	89	31.4	7.9	25%	4.6	N/A	6.3%	0.0%	0.0	6.6	<5	
164570	81	514.0	450.7	88%	N/A	12.5	0.0%	0.0%	0.0	1.3	41	
	85	2.8	1.5	55%	0.6	N/A	0.0%	0.0%	0.0	0.0	<5	
	86	31.1	13.4	43%	1.9	N/A	0.1%	0.0%	0.3	44.9	<5	
164573	83	1,522.9	1,252.7	82%	0.8	9.5	0.2%	0.0%	0.1	0.2	161	
	84	134.7	95.4	71%	1.8	4.2	0.6%	0.0%	1.2	1.3	32	
	85	7.9	4.0	51%	1.9	N/A	0.8%	0.1%	0.0	41.4	<5	
	86	11.0	5.8	53%	1.7	N/A	0.6%	0.1%	0.0	5.3	<5	
	87	28.3	6.6	23%	5.7	N/A	0.4%	0.0%	0.1	2.0	<5	
164580	84	107.7	81.8	76%	1.8	6.0	0.4%	0.0%	0.6	0.0	18	
	85	27.6	17.4	63%	1.7	N/A	0.9%	0.1%	0.7	0.0	<5	
	86	9.6	4.2	44%	1.7	N/A	3.6%	0.0%	0.3	5.5	<5	
	87	129.8	53.5	41%	2.8	11.8	1.4%	0.1%	0.7	0.2	11	
164583	84	31.0	24.1	78%	1.9	6.2	0.4%	0.1%	0.3	0.0	5	
	85	56.3	37.6	67%	1.7	7.0	1.4%	0.0%	0.5	0.0	8	
	86	630.5	510.3	81%	N/A	21.7	0.2%	0.0%	0.0	0.0	29	
	87	633.5	360.1	57%	3.9	16.7	0.5%	0.0%	0.2	0.0	38	
164590	87	2,518.4	2,200.7	87%	3.6	17.4	0.8%	0.0%	0.0	0.0	0.0	145
164593	87	141.7	132.3	93%	3.5	17.7	1.0%	0.1%	0.0	0.0	0.0	8

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

YELLOWFIN SOLE
Data Table

Table VIII.6. (Continued.)

Block	Yr	Observed			Total CPUEs			Bycatch Rates			
		Total	Catch (mt)	(%)	MT Per	Hour	Tow	(% by weight)	KC	TC	Tows
165570	81	1,202.5	971.3	81%	N/A	11.2	0.0%	0.0%	0.2	5.8	107
	86	15.4	10.0	65%	1.6	N/A	1.3%	0.0%	0.1	59.4	<5
165573	83	4.1	2.0	49%	0.8	N/A	0.1%	0.0%	0.5	16.6	<5
	84	6.2	4.1	67%	1.6	N/A	0.0%	0.0%	0.0	38.1	<5
	85	6.5	3.5	53%	1.4	N/A	0.6%	0.5%	0.0	1.5	<5
	86	1,159.8	507.0	44%	2.7	15.3	0.4%	0.0%	0.0	64.8	76
	87	16.9	4.2	25%	2.8	N/A	0.1%	0.0%	0.1	3.1	<5
165580	84	3.6	2.3	65%	1.5	N/A	0.2%	0.0%	0.0	0.0	<5
	85	11.7	4.0	34%	1.5	N/A	2.0%	0.0%	0.1	4.7	<5
	86	483.8	266.0	55%	2.2	11.3	0.5%	0.1%	0.1	4.8	43
	87	10.0	5.0	50%	2.2	N/A	0.8%	0.1%	0.0	0.0	<5
165583	85	10.7	4.6	43%	1.0	N/A	2.3%	0.0%	0.6	0.0	<5
	86	243.0	197.7	81%	N/A	16.2	0.2%	0.0%	0.0	0.0	15
165590	87	44.0	27.9	63%	2.4	N/A	1.1%	0.1%	0.0	0.0	<5
166570	81	759.5	596.7	79%	N/A	10.5	0.0%	0.0%	0.0	15.7	72
	83	17.1	9.1	53%	1.2	N/A	0.2%	0.0%	0.1	24.2	<5
	86	91.5	30.3	33%	2.3	9.1	0.8%	0.1%	0.0	148.7	10
166573	81	319.5	153.0	48%	N/A	7.6	0.1%	0.0%	0.0	35.6	42
	83	3.2	1.4	43%	0.8	N/A	0.3%	0.0%	0.0	39.4	<5
	86	591.1	233.5	40%	3.0	14.4	0.7%	0.1%	0.0	123.5	41
	87	10.4	6.0	58%	2.8	N/A	0.5%	0.0%	0.0	313.8	<5
166580	83	14.1	10.9	77%	1.5	N/A	0.3%	0.0%	0.4	0.0	<5
	85	3.1	1.0	34%	1.0	N/A	1.1%	0.0%	0.3	0.0	<5
	86	1,203.5	572.7	48%	2.7	13.1	0.4%	0.1%	0.0	51.9	92
	87	5.9	2.5	43%	1.2	N/A	2.5%	0.0%	0.0	0.0	<5
166583	84	10.1	5.2	52%	1.6	N/A	0.3%	0.0%	0.1	0.0	<5
	86	560.5	384.3	69%	N/A	14.8	0.6%	0.0%	0.0	0.1	38
166590	87	19.7	14.1	71%	1.9	N/A	6.3%	0.0%	0.2	0.0	<5
166593	87	17.5	11.8	68%	2.1	N/A	4.2%	0.0%	0.1	0.0	<5
166610	87	56.1	51.3	91%	3.2	11.2	0.2%	0.1%	0.0	0.0	5
167560	84	1.0	0.5	54%	0.6	N/A	0.7%	0.0%	14.0	8.0	<5
167570	87	19.1	4.2	22%	3.8	N/A	0.0%	0.0%	0.0	1,664.5	<5
167573	84	18.5	7.3	39%	9.3	N/A	0.6%	0.0%	1.8	0.8	<5
	85	30.6	13.4	44%	3.8	N/A	0.3%	0.1%	0.1	6.4	<5
	86	656.0	212.4	32%	3.7	17.7	0.3%	0.1%	0.0	146.5	37
	87	138.6	39.8	29%	4.0	15.4	0.3%	0.0%	0.0	186.2	9
	88	13.3	4.0	30%	2.7	N/A	0.0%	0.0%	0.0	1,711.1	<5

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

June
YELLOWFIN SOLE
Data Table

VIII-22

Table VIII.6. (Continued.)

Block	Yr	Observed			Total CPUEs			Bycatch Rates			
		Total	Catch (mt)	(%)	MT Per	Hour	Tow	(% by weight)	(numbers/mt)	KC	TC
167580	83	16.0	10.1	63%	1.0	N/A	0.2%	0.0%	0.5	0.0	<5
	86	2,364.1	1,090.3	46%	2.9	14.4	0.4%	0.1%	0.0	129.7	164
	87	6.3	2.5	39%	2.0	N/A	0.3%	0.0%	0.0	5.4	<5
167583	84	19.9	11.2	56%	1.3	4.0	0.2%	0.0%	0.2	0.2	5
	86	171.7	91.2	53%	2.5	12.3	0.2%	0.1%	0.0	2.5	14
167593	87	2.8	0.7	26%	0.6	N/A	15.3%	0.0%	0.7	0.0	<5
168570	86	13.2	3.9	30%	2.2	N/A	0.2%	0.0%	0.1	1,097.0	<5
168573	82	62.0	40.3	65%	N/A	12.4	0.0%	0.0%	0.4	0.0	5
168580	86	252.2	78.2	31%	2.6	14.8	0.8%	0.1%	0.1	230.4	17
	87	7.0	1.6	23%	2.3	N/A	0.7%	0.0%	0.0	0.4	<5
	88	14.9	4.7	31%	4.6	N/A	0.6%	0.0%	0.0	254.6	<5
168583	84	7.4	4.7	63%	1.1	N/A	0.2%	0.0%	0.1	0.1	<5
	86	77.1	23.6	31%	2.1	12.9	0.6%	0.1%	0.0	1.5	6

Note: *The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.*

July
YELLOWFIN SOLE
 Data Table

Table VIII.7. Data used to prepare CPUE and bycatch rate charts for July.

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates (numbers/mt)			
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight) Hal	Her	KC	TC	Tows
158570	82	56.1	25.2	45%	N/A	11.2	0.2%	0.0%	0.8	0.0	5
	84	35.1	9.1	26%	8.5	N/A	1.0%	0.1%	2.8	0.5	<5
158573	81	41.0	30.5	74%	2.4	N/A	2.1%	1.5%	12.5	0.0	<5
	82	3,419.3	1,878.9	55%	N/A	13.8	1.0%	0.0%	4.1	0.0	247
159563	81	54.0	20.8	39%	N/A	10.8	0.5%	0.0%	8.5	1.1	5
	82	18.0	10.2	57%	N/A	N/A	0.5%	0.0%	4.0	0.0	<5
	84	7.0	2.4	34%	1.6	N/A	8.1%	0.0%	0.0	0.0	<5
	87	10.8	2.7	25%	1.9	N/A	3.2%	0.1%	0.0	0.0	<5
159570	81	24.8	7.2	29%	N/A	N/A	0.9%	0.0%	0.3	0.3	<5
	82	235.3	69.6	30%	N/A	11.2	0.3%	0.0%	2.9	0.2	21
	83	239.3	145.4	61%	N/A	12.6	0.2%	0.0%	34.0	5.5	19
	84	182.0	86.6	48%	20.1	16.5	0.1%	0.0%	3.8	0.5	11
	85	531.6	320.0	60%	3.2	10.8	0.3%	0.1%	6.8	4.2	49
	87	13.3	2.7	20%	4.4	N/A	2.0%	0.0%	0.2	0.4	<5
159573	81	7.1	3.0	42%	0.9	N/A	3.6%	2.8%	19.7	0.7	<5
	82	958.7	422.1	44%	N/A	13.5	0.9%	0.0%	11.9	0.0	71
	83	140.0	67.4	48%	N/A	12.7	0.3%	0.0%	27.3	2.7	11
	85	491.9	302.5	62%	3.1	12.0	0.3%	0.2%	4.6	3.1	41
159580	82	12.7	5.9	47%	N/A	N/A	0.3%	0.0%	13.9	0.0	<5
	86	5,890.6	5,549.2	94%	4.6	16.7	0.4%	0.2%	0.1	0.7	352
160560	81	45.7	17.3	38%	N/A	9.1	1.1%	0.1%	1.1	0.1	5
	82	387.9	115.8	30%	N/A	12.9	2.2%	0.0%	0.8	0.0	30
	83	151.8	52.5	35%	N/A	8.9	1.3%	0.0%	6.4	0.2	17
	85	1,333.6	709.1	53%	3.8	15.7	1.0%	2.5%	3.7	1.2	85
	86	18.1	4.7	26%	3.5	N/A	1.0%	0.3%	0.5	0.0	<5
	87	167.8	110.5	66%	4.9	15.3	1.2%	0.4%	0.0	0.0	11
	89	7.3	2.7	37%	1.7	N/A	1.2%	0.1%	6.3	0.1	<5
160563	81	760.4	372.1	49%	N/A	11.3	0.5%	0.0%	12.1	8.4	67
	82	668.7	239.5	36%	N/A	14.5	1.6%	0.0%	2.5	0.4	46
	83	357.2	119.1	33%	N/A	9.7	2.0%	0.0%	12.4	0.8	37
	85	126.0	54.5	43%	3.1	12.6	1.1%	0.7%	2.5	0.5	10
	87	63.5	27.4	43%	3.7	10.6	1.6%	0.9%	0.0	0.0	6
160570	83	1,207.4	633.4	52%	N/A	12.0	0.2%	0.0%	51.8	5.4	101
	84	6,164.4	3,145.9	51%	25.1	16.9	0.2%	0.0%	4.3	1.5	365
	85	4,377.8	2,588.4	59%	3.2	12.0	0.3%	0.2%	7.0	5.4	364
160573	83	273.8	163.0	60%	N/A	12.4	0.4%	0.1%	48.3	2.3	22
	84	572.8	294.1	51%	21.6	15.5	0.3%	0.0%	2.4	1.2	37
	85	1,609.1	987.2	61%	3.0	13.0	0.6%	0.2%	8.3	2.5	124
160580	85	100.3	54.4	54%	2.6	14.3	1.0%	0.0%	45.7	1.4	7
	86	391.0	366.2	94%	4.6	15.0	0.2%	0.2%	0.1	0.0	26

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

July
YELLOWFIN SOLE
Data Table

VIII-24

Table VIII.7. (Continued.)

Block	Yr	Observed			Total CPUEs			Bycatch Rates			
		Catch (mt)	Total	YFin (%)	MT Per Hour	Tow	(% by weight) Hal	Her	KC	TC	Tows
161560	82	39.6	31.5	80%	N/A	7.9	0.0%	0.0%	0.0	0.0	5
	83	121.9	27.9	23%	N/A	8.1	3.1%	0.0%	0.1	0.0	15
	84	57.4	20.2	35%	6.2	7.2	3.5%	0.0%	0.2	0.1	8
	85	1,956.9	1,017.7	52%	4.0	14.0	0.9%	1.0%	3.9	1.8	140
	87	145.1	58.3	40%	3.7	11.2	1.5%	0.6%	0.0	0.0	13
	88	36.3	16.9	47%	6.0	N/A	3.7%	1.0%	0.0	0.0	<5
	89	202.9	90.1	44%	5.9	20.3	1.7%	5.0%	1.0	0.3	10
161563	85	25.4	15.1	59%	3.2	N/A	0.4%	0.0%	10.8	8.4	<5
	87	9.1	5.0	55%	2.9	N/A	1.2%	0.2%	0.1	0.0	<5
161573	81	3.7	1.8	49%	3.2	N/A	0.0%	0.8%	24.9	0.0	<5
	83	182.0	79.5	44%	4.4	20.2	0.1%	0.3%	18.0	18.8	9
	85	428.0	245.3	57%	2.8	14.8	1.2%	0.3%	11.3	0.3	29
161580	85	18.2	9.5	52%	2.0	N/A	2.1%	0.0%	2.3	0.1	<5
162553	83	80.5	21.0	26%	N/A	7.3	2.2%	0.0%	0.1	0.0	11
	85	47.8	15.3	32%	4.1	N/A	1.5%	0.4%	1.7	0.6	<5
	87	62.1	29.8	48%	4.5	12.4	4.9%	0.1%	0.0	0.0	5
162560	85	18.6	7.0	38%	2.0	N/A	0.0%	0.0%	8.8	5.2	<5
162563	85	176.8	105.4	60%	4.1	12.6	0.0%	0.0%	3.2	2.6	14
162570	81	11.3	5.3	47%	2.3	N/A	0.4%	4.2%	4.1	0.5	<5
	82	4.8	2.2	46%	1.9	N/A	0.0%	0.0%	69.0	2.1	<5
	83	282.9	129.7	46%	3.7	14.9	0.2%	0.2%	8.3	4.1	19
	85	471.9	254.4	54%	3.2	16.3	0.1%	0.0%	3.2	3.1	29
	87	100.7	58.5	58%	4.4	11.2	0.2%	0.0%	3.4	4.1	9
162573	81	18.9	7.9	42%	5.8	N/A	0.5%	4.6%	12.4	0.6	<5
	83	472.0	248.0	53%	3.6	12.4	0.7%	1.1%	9.1	7.7	38
	84	1,208.1	950.0	79%	3.0	21.2	0.2%	0.0%	1.0	0.0	57
	85	1,175.0	898.9	77%	2.9	20.6	0.1%	0.0%	0.3	0.4	57
162580	82	16.5	8.9	54%	N/A	N/A	0.3%	0.0%	0.8	0.0	<5
	85	6.1	1.3	21%	1.5	N/A	3.1%	0.0%	2.5	0.0	<5
162583	86	341.8	291.1	85%	N/A	38.0	1.0%	0.0%	0.0	0.0	9
163550	83	23.8	14.8	62%	N/A	4.0	1.1%	0.0%	0.5	1.1	6
	89	1.8	0.8	46%	0.6	N/A	3.3%	0.0%	0.0	9.4	<5
163570	82	71.7	29.1	41%	2.3	9.0	0.0%	0.7%	25.6	26.6	8
	83	18.5	9.2	50%	2.3	N/A	0.3%	0.2%	4.6	0.7	<5
	85	90.7	44.5	49%	3.6	15.1	0.0%	0.0%	3.5	28.9	6
163573	83	3,551.5	2,926.7	82%	4.1	14.7	0.7%	0.0%	0.6	0.1	242
	84	4,213.9	3,499.0	83%	4.7	19.3	0.3%	0.0%	0.2	0.0	218
	85	1,048.1	795.4	76%	3.4	19.8	0.1%	0.0%	0.4	0.4	53

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

July
YELLOWFIN SOLE
Data Table

Table VIII.7. (Continued.)

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates (numbers/mt)			
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight) Hal	Her	KC	TC	Tows
163580	83	651.6	555.2	85%	4.2	17.6	0.3%	0.0%	0.2	0.0	37
	84	2,052.6	1,791.7	87%	2.5	19.2	0.5%	0.0%	0.2	0.0	107
	85	449.2	284.2	63%	N/A	17.3	0.6%	0.0%	0.1	0.1	26
	86	345.1	274.5	80%	N/A	19.2	0.8%	0.0%	0.1	0.0	18
	87	89.8	37.9	42%	3.7	18.0	1.2%	0.6%	0.1	0.0	5
163583	83	43.0	18.7	43%	N/A	8.6	0.2%	0.0%	0.3	0.0	5
	84	21.0	9.2	44%	2.1	N/A	1.7%	0.0%	0.2	0.0	<5
	85	206.3	138.2	67%	N/A	15.9	0.9%	0.0%	0.0	0.0	13
	86	3,238.4	2,865.6	88%	N/A	27.7	0.6%	0.0%	0.0	0.0	117
	87	29.9	12.4	42%	6.3	N/A	0.8%	0.0%	0.0	0.0	<5
164550	89	36.5	13.2	36%	4.3	N/A	7.7%	2.2%	0.1	0.3	<5
164563	81	497.0	418.8	84%	N/A	10.1	0.0%	0.0%	0.0	0.9	49
	82	19.0	4.5	24%	3.4	N/A	4.0%	0.1%	100.0	33.3	<5
	84	10.1	4.8	48%	1.8	N/A	0.0%	1.1%	0.0	23.4	<5
164570	81	508.5	443.3	87%	N/A	10.6	0.0%	0.0%	0.0	0.6	48
	82	71.0	28.0	39%	3.2	14.2	0.0%	0.1%	4.2	2.9	5
164573	83	4,206.8	3,549.6	84%	5.1	15.8	0.2%	0.0%	0.6	0.2	266
	84	455.2	298.7	66%	5.3	19.8	0.2%	0.8%	0.8	0.5	23
	85	217.3	105.4	48%	5.2	27.2	0.0%	0.3%	0.5	30.6	8
	87	16.2	3.7	23%	3.2	N/A	0.5%	0.0%	1.0	9.3	<5
164580	82	2,491.1	2,156.7	87%	N/A	11.7	0.0%	0.0%	0.4	0.1	213
	83	321.8	270.7	84%	2.9	14.6	0.4%	0.0%	0.5	0.1	22
	84	1,717.3	1,366.9	80%	2.3	12.9	0.8%	0.1%	0.4	0.0	133
	85	500.3	398.9	80%	1.7	21.8	0.4%	0.0%	0.2	0.2	23
	87	99.9	45.9	46%	3.9	20.0	0.5%	0.1%	0.3	0.0	5
164583	84	2,903.8	2,311.8	80%	2.4	10.0	1.3%	0.2%	0.2	0.0	290
	85	2,240.1	1,913.6	85%	2.0	18.8	0.3%	0.0%	0.0	0.0	119
	86	1,408.7	1,228.1	87%	N/A	25.6	0.4%	0.0%	0.0	0.0	55
165543	84	18.0	3.7	21%	5.0	N/A	2.7%	1.2%	0.0	1.7	<5
165560	86	6.3	1.4	22%	1.5	N/A	0.0%	0.0%	0.0	7.6	<5
165570	81	1,752.0	1,549.4	88%	N/A	11.3	0.0%	0.0%	0.0	1.4	155
	82	37.0	9.6	26%	3.6	N/A	0.0%	2.0%	15.2	2.2	<5
	85	2.2	1.0	47%	0.9	N/A	0.0%	0.0%	0.0	15.9	<5
	86	29.6	12.2	41%	1.3	5.9	0.1%	0.0%	0.0	101.6	5
165573	82	24.5	16.9	69%	N/A	N/A	0.0%	1.5%	0.0	153.6	<5
	83	909.8	719.0	79%	N/A	15.2	0.1%	0.0%	0.6	0.2	60
	84	6.2	1.9	30%	1.8	N/A	0.0%	0.0%	0.0	4.4	<5
	85	21.0	9.6	46%	3.1	N/A	0.0%	0.5%	0.0	1.0	<5
	86	1,405.9	1,061.5	76%	2.8	23.0	0.0%	0.0%	0.0	0.5	61

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

July
YELLOWFIN SOLE
Data Table

VIII-26

Table VIII.7. (Continued.)

Block	Yr	Observed			Total CPUEs			Bycatch Rates			
		Total	Catch (mt)	(%)	MT Per	Hour	Tow	(% by weight)	KC	TC	Tows
165580	81	952.0	828.3	87%	N/A	9.7	0.1%	0.0%	0.0	0.0	98
	82	2,092.3	1,823.3	87%	N/A	11.3	0.1%	0.0%	0.0	1.2	185
	83	18.7	8.8	47%	1.5	3.7	0.8%	0.0%	0.3	0.3	5
	84	78.8	49.7	63%	2.1	8.8	1.0%	0.1%	0.7	0.0	9
	85	113.1	78.8	70%	2.1	8.7	1.4%	0.0%	0.4	0.0	13
	86	2,471.7	2,061.4	83%	4.2	17.5	0.3%	0.0%	0.0	0.0	141
165583	81	484.5	413.0	85%	N/A	10.3	0.0%	0.0%	0.0	0.0	47
	84	588.5	427.9	73%	2.2	8.0	2.3%	0.1%	0.4	0.0	74
	85	1,691.5	1,412.6	84%	2.3	16.9	0.4%	0.0%	0.1	0.0	100
	86	325.3	275.7	85%	N/A	21.7	0.4%	0.0%	0.0	0.0	15
166570	81	280.5	249.7	89%	N/A	10.8	0.0%	0.0%	0.0	4.7	26
	82	18.3	8.1	44%	2.3	N/A	0.0%	0.0%	0.4	28.9	<5
166573	81	530.0	481.1	91%	N/A	10.6	0.0%	0.0%	0.0	1.3	50
	82	9.3	7.6	82%	N/A	N/A	0.0%	0.0%	0.0	183.3	<5
	83	1.4	0.9	64%	0.4	N/A	2.7%	0.0%	0.0	0.7	<5
	86	7.6	4.6	61%	1.5	N/A	0.0%	0.0%	0.0	18.9	<5
	87	15.0	3.6	24%	3.5	N/A	0.1%	0.0%	0.0	23.0	<5
166580	81	1,187.0	923.1	78%	N/A	9.1	0.0%	0.0%	0.0	0.7	130
	82	605.0	505.3	84%	N/A	9.5	0.1%	0.0%	0.0	0.6	64
	83	257.5	120.5	47%	1.2	5.0	0.1%	0.0%	0.2	44.8	51
	85	677.7	419.9	62%	2.1	10.1	1.2%	0.0%	0.2	0.5	67
	86	446.7	238.0	53%	3.2	15.4	0.1%	0.0%	0.0	9.0	29
166583	81	1,127.5	905.1	80%	N/A	11.5	0.0%	0.0%	0.0	0.0	98
	82	292.7	221.0	76%	N/A	12.2	0.2%	0.0%	0.0	3.0	24
	85	335.8	230.0	68%	1.8	8.0	1.4%	0.0%	0.3	0.0	42
	86	330.2	263.9	80%	N/A	22.0	0.5%	0.0%	0.0	0.0	15
167563	83	14.5	4.3	30%	N/A	N/A	0.0%	0.0%	0.1	5.2	<5
167573	82	21.9	12.9	59%	N/A	N/A	0.0%	0.0%	0.0	572.4	<5
	83	36.2	24.0	66%	N/A	N/A	0.0%	0.0%	0.0	8.3	<5
167580	83	49.6	22.3	45%	1.9	8.3	0.0%	0.0%	0.3	1.0	6
	85	1,106.8	657.6	59%	3.7	15.2	0.1%	0.1%	0.1	0.7	73
	86	273.2	140.2	51%	2.7	13.7	0.1%	0.1%	0.0	8.5	20
167583	81	505.0	388.9	77%	N/A	9.2	0.0%	0.0%	0.0	0.0	55
	82	1,013.0	786.2	78%	N/A	9.7	0.1%	0.0%	0.0	1.7	104
	85	64.1	39.2	61%	1.6	6.4	2.3%	0.0%	0.5	0.0	10
168580	85	4.2	3.0	72%	1.4	N/A	0.3%	0.0%	0.0	5.7	<5
168583	83	1.5	0.4	28%	0.8	N/A	0.0%	0.0%	1.3	0.0	<5
169580	83	3.1	1.8	58%	0.5	N/A	0.0%	0.0%	0.0	4.5	<5
169583	83	2.0	1.3	65%	0.5	N/A	0.0%	0.0%	0.0	18.5	<5

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

July
YELLOWFIN SOLE
Data Table

Table VIII.7. (Continued.)

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates (numbers/mt)			
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight) Hal	Her	KC	TC	Tows
169590	88	17.5	5.0	28%	2.8	N/A	0.3%	0.0%	0.0	5.4	<5
170583	87	9.2	2.0	22%	1.8	N/A	0.1%	0.0%	0.0	53.8	<5
172600	87	21.0	7.3	35%	4.2	N/A	0.2%	0.0%	0.0	10.0	<5
172603	88	6.7	2.8	42%	2.7	N/A	0.1%	0.1%	0.0	794.6	<5

Note: *The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.*

August
YELLOWFIN SOLE
Data Table

VIII-28

Table VIII.8. Data used to prepare CPUE and bycatch rate charts for August.

Block	Yr	Observed			Total CPUEs			Bycatch Rates				
		Total	YFin	(%)	MT Per	Hour	Tow	(% by weight)	Hal	Her	KC	TC
159570	84	222.3	97.0	44%	21.4	20.2	0.9%	0.0%	1.0	0.6	11	
159573	84	113.1	48.4	43%	16.7	12.6	0.8%	0.0%	2.8	1.6	9	
	85	90.8	49.7	55%	3.7	11.4	0.3%	0.0%	3.2	1.3	8	
159580	87	3.6	2.2	62%	1.7	N/A	2.3%	2.2%	0.8	0.0	<5	
160560	82	906.4	263.3	29%	N/A	11.1	3.1%	0.1%	7.7	2.2	82	
	83	1,073.6	613.5	57%	N/A	12.3	2.2%	0.1%	9.4	1.0	87	
	85	762.3	493.5	65%	3.0	12.9	1.1%	0.2%	10.4	2.2	59	
160563	81	263.9	133.6	51%	N/A	9.1	0.8%	0.0%	32.0	55.0	29	
	82	1,093.1	297.6	27%	N/A	10.7	5.0%	0.0%	6.8	0.0	102	
	85	86.9	47.1	54%	2.5	12.4	1.4%	0.4%	8.0	0.4	7	
160570	84	2,421.2	852.4	35%	24.0	17.8	0.3%	0.0%	9.6	2.2	136	
	85	1,110.0	571.4	51%	3.0	15.6	0.5%	0.0%	7.1	9.6	71	
160573	84	373.9	157.2	42%	16.4	14.4	0.7%	0.0%	0.5	0.5	26	
	85	71.2	37.6	53%	2.6	14.2	1.3%	0.0%	14.8	0.7	5	
160580	85	4.4	3.8	86%	2.9	N/A	1.4%	0.0%	1.8	0.0	<5	
	87	17.7	5.1	29%	4.4	N/A	0.0%	1.5%	0.3	0.0	<5	
161560	81	569.1	275.7	48%	N/A	14.6	1.2%	0.0%	56.2	32.7	39	
	82	1,192.4	667.3	56%	N/A	11.6	0.6%	0.2%	5.5	4.5	103	
	83	592.8	361.4	61%	N/A	11.2	1.2%	0.0%	11.4	2.0	53	
	85	4,137.3	2,325.3	56%	3.0	12.1	1.3%	0.4%	3.2	1.0	342	
161563	81	113.9	59.9	53%	N/A	11.4	0.1%	0.0%	196.1	43.7	10	
	83	43.8	11.3	26%	N/A	N/A	0.8%	0.2%	37.0	4.5	<5	
	85	7.5	2.5	34%	3.8	N/A	0.9%	0.0%	22.1	40.8	<5	
161580	87	10.4	4.1	40%	2.4	N/A	1.5%	0.2%	0.2	0.2	<5	
162553	83	94.7	66.4	70%	N/A	10.5	0.8%	0.0%	1.2	9.5	9	
	85	1,389.7	877.4	63%	2.8	11.4	1.3%	0.6%	1.3	3.8	122	
162560	81	65.1	21.6	33%	N/A	N/A	0.8%	0.0%	40.7	19.8	<5	
	83	449.5	274.6	61%	N/A	9.2	1.6%	0.0%	3.4	7.8	49	
	85	786.6	439.6	56%	2.5	10.5	1.1%	0.1%	4.4	9.4	75	
162563	83	69.9	31.8	45%	N/A	14.0	0.2%	0.0%	53.6	0.0	5	
	85	14.4	3.0	21%	2.4	N/A	0.3%	0.1%	5.3	5.1	<5	
162570	83	16.0	6.7	42%	3.9	N/A	0.3%	4.4%	1.3	0.2	<5	
	84	1,048.1	654.9	62%	5.0	15.6	0.2%	0.5%	9.5	0.5	67	
	85	705.9	593.3	84%	N/A	25.2	0.1%	0.0%	0.3	0.4	28	
162573	82	16.8	10.1	60%	3.7	N/A	0.0%	0.0%	3.6	0.2	<5	
	83	156.1	90.7	58%	4.6	15.6	0.1%	0.0%	1.0	0.3	10	
	84	2,102.7	1,625.5	77%	3.2	15.6	0.2%	0.2%	2.6	0.3	135	
	85	660.2	518.2	78%	3.8	27.5	0.2%	0.2%	0.3	0.1	24	
	87	11.1	4.9	44%	2.5	N/A	0.0%	0.0%	0.0	0.6	<5	

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

Table VIII.8. (Continued.)

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates			
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight)	Hal	Her	KC	TC
162580	84	15.3	9.6	63%	1.4	N/A	3.4%	3.1%	0.1	0.1	<5
	85	46.4	25.6	55%	1.4	5.2	1.7%	0.0%	0.6	0.2	9
	86	513.2	365.2	71%	2.6	14.3	1.6%	0.1%	0.0	0.0	36
	87	134.4	65.9	49%	5.3	22.4	0.9%	0.5%	0.1	0.0	6
162583	86	16.6	11.5	70%	2.0	N/A	6.1%	0.0%	0.2	0.1	<5
163560	85	49.9	21.7	43%	2.4	N/A	0.0%	0.0%	5.9	8.9	<5
163563	84	124.3	62.4	50%	4.5	24.9	0.0%	0.1%	0.6	1.3	5
	85	395.5	161.7	41%	5.1	26.4	0.0%	0.2%	3.6	3.8	15
163570	82	180.7	88.1	49%	1.9	10.0	0.1%	0.4%	8.7	1.0	18
	83	103.5	69.0	67%	4.6	17.3	0.0%	0.3%	0.1	0.6	6
	84	707.2	336.6	48%	3.6	22.1	0.0%	1.0%	5.0	0.5	32
	85	1,538.3	980.5	64%	6.1	28.0	0.0%	0.1%	0.5	3.2	55
163573	82	189.7	80.1	42%	3.3	14.6	0.3%	0.0%	4.7	1.7	13
	83	1,965.7	1,452.3	74%	4.6	14.8	0.3%	0.2%	0.5	0.3	133
	84	7,144.1	5,610.7	79%	3.1	16.1	0.2%	0.1%	0.8	0.0	445
	85	3,703.4	2,851.0	77%	4.7	27.2	0.2%	0.2%	0.2	0.4	136
	87	38.3	13.0	34%	3.1	N/A	0.6%	0.0%	0.1	13.8	<5
163580	84	2,692.9	2,192.1	81%	2.1	9.5	1.7%	0.3%	0.2	0.0	284
	85	304.9	228.0	75%	1.2	14.5	0.6%	0.0%	0.2	0.0	21
	86	652.3	443.9	68%	2.5	13.3	1.2%	0.4%	0.1	0.1	49
	87	99.8	44.1	44%	3.1	14.3	1.4%	0.1%	0.0	0.0	7
163583	84	82.1	59.9	73%	1.7	5.5	1.3%	0.0%	0.0	0.0	15
164563	82	0.8	0.4	51%	0.3	N/A	0.0%	0.0%	0.0	7.5	<5
	84	123.8	51.1	41%	26.9	15.5	0.1%	0.0%	1.6	1.6	8
164570	81	323.0	295.6	92%	N/A	19.0	0.0%	0.0%	0.1	0.3	17
	82	2,966.1	2,624.8	88%	2.2	12.7	0.0%	0.0%	0.7	4.2	233
	83	54.9	26.1	48%	3.8	N/A	0.1%	0.9%	2.0	0.2	<5
	84	228.2	119.9	53%	7.4	32.6	0.0%	0.0%	0.0	5.3	7
	85	1,069.3	583.7	55%	5.9	27.4	0.0%	0.1%	0.1	7.5	39
	87	25.5	6.9	27%	5.1	N/A	0.0%	0.0%	0.2	151.0	<5
164573	83	3,815.0	3,138.1	82%	3.3	13.2	0.1%	0.0%	0.4	0.2	289
	84	1,728.2	918.4	53%	4.4	23.4	0.0%	0.1%	0.5	12.6	74
	85	1,193.3	797.5	67%	2.3	14.2	0.1%	0.1%	0.3	1.7	84
164580	82	1,579.0	1,150.3	73%	N/A	9.3	0.2%	0.0%	1.6	0.8	170
	83	46.5	36.5	78%	2.9	7.8	0.2%	0.0%	0.3	0.1	6
	84	1,276.6	1,010.2	79%	1.8	12.3	1.1%	0.0%	0.2	0.0	104
	85	134.3	89.8	67%	1.7	9.0	2.5%	0.0%	0.4	0.0	15
	86	63.8	46.8	73%	2.8	12.8	1.1%	0.2%	0.0	0.0	5
	87	7.7	3.8	50%	0.9	N/A	0.6%	0.6%	0.0	0.1	<5

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

August
YELLOWFIN SOLE
Data Table

VIII-30

Table VIII.8. (Continued.)

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates		
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight)	KC	TC	Tows
164583	84	355.2	260.4	73%	1.7	6.1	1.7%	0.1%	0.0	0.0 58
	85	2,173.7	1,922.4	88%	1.6	19.6	0.6%	0.0%	0.0	0.0 111
165563	82	296.7	286.5	97%	1.4	11.0	0.0%	0.0%	1.0	7.2 27
165570	81	1,682.5	1,544.2	92%	N/A	15.0	0.0%	0.0%	0.0	0.2 112
	82	554.3	435.6	79%	3.1	11.3	0.0%	0.1%	7.1	8.2 49
	83	999.7	845.3	85%	3.7	12.0	0.0%	0.0%	0.1	4.2 83
	84	230.4	142.4	62%	6.3	20.9	0.0%	0.0%	0.1	11.4 11
	85	25.9	16.4	63%	2.1	N/A	0.0%	0.0%	0.0	4.9 <5
165573	82	164.2	99.1	60%	N/A	7.1	0.0%	0.0%	1.5	409.2 23
	83	2,191.1	1,845.3	84%	3.9	13.4	0.0%	0.0%	0.3	0.5 163
	84	1,286.4	763.6	59%	4.5	23.0	0.0%	0.1%	0.3	6.6 56
	85	720.9	438.5	61%	2.1	12.0	0.1%	0.0%	0.2	1.5 60
	86	13.6	4.7	34%	1.8	N/A	0.0%	0.2%	0.0	0.0 <5
165580	82	1,315.9	1,062.5	81%	N/A	10.5	0.1%	0.0%	11.3	1.0 125
	83	48.0	36.6	76%	1.0	2.7	0.6%	0.0%	0.8	0.4 18
	84	94.9	45.4	48%	2.6	9.5	1.1%	0.2%	0.3	0.0 10
	85	1,234.7	783.7	63%	2.1	12.0	1.1%	0.1%	0.4	0.2 103
	86	7,242.0	5,913.9	82%	3.1	19.2	0.4%	0.0%	0.0	0.4 377
	87	40.4	29.5	73%	3.4	N/A	1.5%	0.0%	0.1	11.0 <5
165583	84	23.2	13.5	58%	1.2	3.3	5.2%	0.1%	0.0	0.0 7
	85	314.5	263.3	84%	1.9	13.1	0.6%	0.0%	0.2	0.0 24
	86	775.3	696.8	90%	N/A	28.7	0.2%	0.0%	0.0	0.0 27
166563	81	315.5	290.2	92%	N/A	15.0	0.0%	0.0%	0.0	0.7 21
166570	81	4,415.5	4,224.5	96%	N/A	13.6	0.0%	0.0%	0.0	0.3 325
	82	414.4	342.3	83%	0.5	7.8	0.0%	0.0%	0.1	9.4 53
	83	73.2	25.1	34%	N/A	8.1	0.0%	0.0%	0.1	47.5 9
166573	81	1,201.5	1,089.5	91%	N/A	12.1	0.0%	0.0%	0.0	0.3 99
	82	247.8	212.1	86%	0.5	9.5	0.0%	0.0%	0.2	9.0 26
	83	11.2	8.5	76%	4.5	N/A	0.0%	0.3%	0.2	0.4 <5
	85	929.3	478.2	51%	3.4	16.0	0.1%	0.0%	0.4	5.1 58
	86	731.3	361.1	49%	3.5	16.3	0.0%	0.2%	0.0	9.6 45
166580	83	1,870.4	1,719.4	92%	2.3	14.1	0.0%	0.0%	0.0	0.2 133
	84	275.7	156.1	57%	4.6	10.6	0.8%	0.0%	0.8	0.0 26
	85	4,706.5	2,841.8	60%	3.9	19.2	0.1%	0.0%	0.1	3.0 245
	86	6,356.9	3,946.3	62%	3.5	16.6	0.3%	0.1%	0.0	0.8 382
	87	101.2	52.7	52%	2.0	12.7	2.7%	0.0%	0.4	4.8 8
166583	83	1.8	1.2	67%	0.4	N/A	8.9%	0.0%	0.0	0.6 <5
	84	59.0	39.1	66%	1.3	3.9	2.3%	0.0%	0.2	0.0 15
	85	268.4	191.8	71%	1.8	10.7	1.2%	0.0%	0.2	0.0 25
	86	399.6	285.5	71%	2.6	11.1	1.6%	0.1%	0.1	0.1 36

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

Table VIII.8. (Continued.)

Block	Yr	Observed			Total CPUEs			Bycatch Rates				
		Total	Catch (mt)	(%)	MT Per	Hour	Tow	(% by weight)	(numbers/mt)	KC	TC	Tows
167570	83	38.9	28.8	74%	N/A	6.5	0.0%	0.0%	0.2	14.6	6	
	84	9.8	5.8	59%	1.6	N/A	0.0%	0.0%	0.0	17.4	<5	
167573	83	61.1	20.8	34%	0.2	8.7	0.0%	0.0%	0.0	48.8	7	
	84	26.4	17.6	67%	2.0	N/A	0.0%	0.0%	0.2	15.3	<5	
	86	515.9	242.3	47%	2.9	15.2	0.0%	0.0%	0.0	5.7	34	
167580	83	111.9	59.2	53%	1.4	6.2	0.1%	0.0%	0.2	3.8	18	
	85	2,666.0	1,469.6	55%	4.1	20.0	0.1%	0.0%	0.1	2.0	133	
	86	4,150.7	2,373.3	57%	3.5	18.4	0.1%	0.0%	0.0	2.5	225	
	87	23.9	11.6	49%	1.7	N/A	2.8%	0.0%	0.2	4.0	<5	
167583	83	3.6	2.1	58%	0.7	N/A	1.3%	0.0%	0.0	1.7	<5	
	84	184.7	116.0	63%	17.3	14.2	0.9%	0.0%	0.1	3.3	13	
	86	1,194.2	839.4	70%	2.8	19.9	0.4%	0.0%	0.0	0.1	60	
168563	84	56.7	25.2	44%	8.8	N/A	0.1%	0.4%	0.1	15.4	<5	
168573	83	61.0	41.3	68%	0.6	1.8	0.1%	0.0%	0.8	16.7	33	
	84	5.9	2.8	48%	3.1	N/A	0.1%	0.0%	0.3	0.3	<5	
	87	11.0	4.0	37%	1.3	N/A	0.3%	0.0%	0.2	59.0	<5	
168580	83	102.3	63.5	62%	0.7	1.8	0.0%	0.0%	0.4	27.4	58	
	85	39.3	12.5	32%	2.7	N/A	0.0%	0.0%	0.0	21.2	<5	
	87	63.9	27.8	44%	3.4	N/A	0.0%	0.0%	0.0	115.7	<5	
168583	83	4.7	2.1	46%	0.7	N/A	0.2%	0.0%	0.2	11.9	<5	
	86	113.4	65.0	57%	3.0	14.2	0.1%	0.1%	0.0	0.1	8	
168590	84	197.3	120.2	61%	27.5	15.2	0.0%	0.0%	0.5	0.2	13	
169553	84	2.3	1.9	81%	0.4	N/A	0.0%	0.0%	0.0	75.2	<5	
169563	87	14.5	4.0	27%	2.8	N/A	0.4%	1.6%	1.5	34.5	<5	
169570	83	19.5	8.5	44%	N/A	N/A	0.0%	0.0%	5.5	119.5	<5	
	85	0.8	0.3	36%	0.3	N/A	1.9%	0.0%	6.3	301.3	<5	
	86	145.1	107.8	74%	16.1	N/A	0.1%	0.1%	1.1	7.5	<5	
	87	7.6	1.9	25%	1.3	N/A	3.0%	0.0%	10.0	178.9	<5	
169573	87	128.2	34.7	27%	1.5	8.5	0.7%	0.1%	0.5	198.3	15	
169580	83	42.5	30.1	71%	0.7	1.7	0.0%	0.0%	0.1	32.1	25	
	85	7.2	4.8	67%	1.8	N/A	0.0%	0.1%	0.0	44.4	<5	
169583	83	28.6	18.3	64%	0.6	1.4	0.1%	0.0%	0.1	42.3	20	
	84	275.5	150.1	54%	19.3	13.1	0.4%	0.0%	0.0	10.3	21	
169590	84	153.3	83.5	54%	24.5	12.8	0.1%	0.0%	0.0	4.7	12	
171583	84	54.0	20.5	38%	10.0	7.7	0.3%	0.1%	0.4	255.7	7	
172583	84	1.6	0.4	23%	1.0	N/A	0.6%	0.0%	0.0	0.0	<5	
172590	84	34.1	22.9	67%	6.4	N/A	0.1%	0.1%	0.0	54.0	<5	

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

September
YELLOWFIN SOLE
Data Table

VIII-32

Table VIII.9. Data used to prepare CPUE and bycatch rate charts for September.

Block	Yr	Observed			Total CPUEs			Bycatch Rates				
		Total	Catch (mt)	(%)	MT Per	Hour	Tow	(% by weight)	Hal	Her	KC	TC
159580	84	86.7	46.5	54%	N/A	N/A	0.9%	0.0%	2.5	13.4	<5	
160563	81	111.7	38.9	35%	N/A	8.6	0.9%	0.0%	75.0	35.6	13	
	84	71.0	37.8	53%	15.8	14.2	1.1%	0.0%	1.3	0.1	5	
160570	84	4,896.1	2,393.2	49%	41.7	17.2	1.4%	0.0%	3.0	4.2	285	
	85	156.0	84.0	54%	2.8	15.6	0.9%	0.0%	21.4	6.7	10	
160573	84	544.5	254.2	47%	18.1	13.3	1.5%	0.0%	3.4	0.8	41	
161560	81	752.9	369.7	49%	N/A	13.7	0.4%	0.0%	60.1	67.5	55	
	82	420.0	211.3	50%	N/A	7.6	0.9%	0.0%	10.0	6.0	55	
162553	85	108.5	60.2	55%	2.2	9.9	1.2%	0.0%	1.3	23.7	11	
162560	85	64.0	30.3	47%	2.1	10.7	1.3%	0.0%	2.8	24.9	6	
162570	83	26.5	9.6	36%	4.3	N/A	0.2%	0.0%	2.0	14.7	<5	
	84	363.3	288.0	79%	4.9	18.2	0.1%	0.0%	1.0	0.0	20	
	85	2,024.4	1,626.3	80%	2.7	24.1	0.2%	0.0%	1.2	1.2	84	
162573	83	32.0	14.4	45%	4.6	N/A	0.6%	0.6%	6.0	1.6	<5	
	84	359.7	262.2	73%	2.2	8.6	0.4%	0.1%	1.6	0.1	42	
	85	2,016.6	1,696.8	84%	2.7	26.5	0.3%	0.0%	0.8	0.4	76	
162580	85	12.2	8.7	71%	1.0	N/A	4.0%	0.0%	0.7	0.0	<5	
163560	85	12.2	5.0	41%	N/A	N/A	0.0%	0.0%	2.9	2.2	<5	
163563	85	229.8	90.3	39%	4.0	20.9	0.0%	0.0%	2.2	2.7	11	
163570	83	446.7	194.6	44%	3.6	18.6	0.1%	0.7%	1.3	1.2	24	
	84	3,632.1	2,383.2	66%	4.9	19.3	0.1%	0.2%	1.4	0.9	188	
	85	3,221.8	2,199.6	68%	3.8	23.3	0.1%	0.0%	1.0	1.2	138	
163573	83	64.9	27.6	42%	3.3	N/A	0.2%	1.0%	0.6	1.2	<5	
	84	5,493.3	3,755.2	68%	3.0	13.0	0.3%	0.1%	1.3	0.3	423	
	85	1,880.2	1,420.9	76%	2.7	19.2	0.4%	0.0%	0.6	1.2	98	
163580	84	116.4	77.7	67%	1.3	4.9	2.3%	0.5%	0.2	0.0	24	
	88	8.0	4.5	56%	3.3	N/A	2.4%	0.0%	0.1	0.1	<5	
164553	85	21.4	5.7	27%	2.9	N/A	1.3%	0.0%	1.0	1.8	<5	
164560	85	37.2	21.4	58%	3.2	N/A	0.1%	0.0%	0.8	3.8	<5	
164563	84	3.7	1.8	48%	2.0	N/A	0.1%	1.4%	0.0	15.7	<5	
	85	54.3	18.1	33%	5.9	N/A	0.0%	0.0%	0.3	1.5	<5	
164570	82	1,048.1	991.1	95%	N/A	14.6	0.0%	0.0%	0.4	4.5	72	
	83	695.6	597.5	86%	N/A	13.6	0.0%	0.0%	0.0	0.5	51	
	84	184.5	92.3	50%	3.3	16.8	0.0%	1.0%	0.8	1.0	11	
	85	482.8	266.8	55%	6.0	21.9	0.0%	0.0%	0.5	5.4	22	
164573	83	370.3	329.1	89%	3.3	11.9	0.1%	0.1%	0.1	0.2	31	
	84	932.3	595.9	64%	2.7	12.4	0.6%	0.2%	0.6	0.8	75	
	85	1,338.8	918.7	69%	3.0	17.6	0.2%	0.0%	0.5	5.4	76	

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

September
YELLOWFIN SOLE
 Data Table

Table VIII.9. (Continued.)

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates (numbers/mt)			
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight) Hal	Her	KC	TC	Tows
164580	84	67.1	45.2	67%	1.3	4.2	3.2%	0.7%	0.3	0.3	16
	85	6.4	4.8	76%	1.5	N/A	8.3%	0.0%	0.6	0.0	<5
	86	9.3	6.7	72%	1.7	N/A	0.3%	0.2%	0.8	0.8	<5
164583	84	9.7	7.5	78%	1.1	N/A	2.9%	0.0%	0.0	0.0	<5
165553	85	4.7	1.9	40%	1.4	N/A	5.7%	0.0%	0.2	1.3	<5
165560	82	16.0	8.8	55%	7.4	N/A	0.0%	2.5%	0.0	0.1	<5
	85	16.1	4.5	28%	2.8	N/A	0.8%	0.0%	0.0	16.1	<5
165563	82	651.1	591.8	91%	1.2	15.1	0.0%	0.0%	0.0	4.3	43
	85	4.1	1.9	46%	2.1	N/A	0.0%	0.0%	0.0	0.2	<5
	86	86.8	45.6	52%	2.5	14.5	0.0%	0.0%	0.0	63.5	6
165570	81	2,751.5	2,585.4	94%	N/A	18.8	0.0%	0.0%	0.0	0.2	146
	82	750.9	677.7	90%	N/A	15.6	0.0%	0.0%	0.5	3.9	48
	83	1,170.9	1,052.8	90%	3.3	13.3	0.0%	0.0%	0.0	1.3	88
	84	122.8	82.1	67%	2.3	6.5	0.0%	0.2%	0.3	13.4	19
	85	52.8	26.8	51%	3.1	N/A	0.0%	0.0%	0.5	10.2	<5
	86	474.5	271.7	57%	2.4	17.6	0.0%	0.0%	0.0	5.9	27
	88	67.4	28.9	43%	27.0	N/A	0.0%	0.0%	0.2	6.5	<5
165573	83	2,373.8	2,163.4	91%	3.0	14.6	0.0%	0.0%	0.0	0.4	163
	84	2,876.4	1,987.6	69%	3.0	18.2	0.0%	0.0%	0.1	1.0	158
	85	859.1	490.1	57%	2.8	12.5	0.1%	0.0%	0.4	4.7	69
	86	2,862.3	1,641.0	57%	2.7	16.1	0.1%	0.1%	0.1	3.7	178
	88	1,257.2	460.3	37%	9.7	30.7	0.3%	0.0%	0.3	1.9	41
165580	84	140.6	91.3	65%	1.9	7.0	0.8%	0.1%	0.9	0.4	20
	85	456.2	293.5	64%	2.3	12.0	1.6%	0.1%	0.4	0.3	38
	86	3,298.5	2,106.1	64%	2.6	16.4	0.6%	0.0%	0.1	1.1	201
	87	4.5	1.7	38%	0.7	N/A	13.3%	0.0%	0.4	0.0	<5
	88	142.6	65.8	46%	3.0	14.3	2.7%	0.0%	0.2	0.1	10
165583	84	9.5	5.3	56%	1.7	N/A	5.8%	0.0%	0.0	0.0	<5
166563	81	755.0	711.8	94%	N/A	21.0	0.0%	0.0%	0.0	0.3	36
	83	24.1	21.0	87%	2.8	N/A	0.0%	0.0%	0.0	13.7	<5
166570	81	5,285.0	5,025.8	95%	5.3	18.9	0.0%	0.0%	0.0	0.3	279
	82	4,825.5	4,518.9	94%	N/A	18.8	0.0%	0.0%	0.0	2.8	256
	83	2,993.0	2,692.0	90%	3.8	14.3	0.0%	0.0%	0.0	4.2	209
	84	33.3	15.9	48%	2.1	6.7	0.1%	0.0%	2.7	29.6	5
	85	3.4	0.9	26%	1.5	N/A	0.0%	0.0%	0.0	40.3	<5
	86	556.0	302.7	54%	3.0	17.4	0.0%	0.0%	0.0	14.9	32

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

September
YELLOWFIN SOLE
Data Table

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Table VIII.9. (Continued.)

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates (numbers/mt)			
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight) Hal	Her	KC	TC	Tows
166573	81	551.0	502.2	91%	N/A	20.4	0.0%	0.0%	0.0	0.3	27
	82	1,389.0	1,330.2	96%	N/A	17.6	0.0%	0.0%	0.0	2.7	79
	83	39.7	22.0	55%	3.9	N/A	0.0%	0.2%	0.2	8.1	<5
	84	192.9	106.4	55%	2.7	8.0	0.0%	0.0%	0.2	6.9	24
	85	2,444.8	1,290.7	53%	3.6	15.5	0.0%	0.0%	0.1	10.5	158
	86	2,108.7	933.0	44%	3.6	18.3	0.0%	0.1%	0.0	10.3	115
	89	85.1	35.7	42%	3.2	17.0	0.1%	0.0%	0.0	45.3	5
166580	84	1,023.5	609.2	60%	2.3	9.4	0.7%	0.1%	0.4	0.7	109
	85	2,366.7	1,297.8	55%	3.3	13.8	0.3%	0.0%	0.2	1.1	171
	86	5,629.3	3,135.2	56%	3.2	17.6	0.4%	0.1%	0.0	1.8	320
	87	10.4	4.1	39%	3.1	N/A	0.1%	0.0%	0.0	7.7	<5
	88	711.4	364.0	51%	3.4	16.5	0.4%	0.0%	0.1	1.5	43
	89	39.2	15.6	40%	2.2	N/A	0.0%	0.0%	0.0	5.8	<5
166583	84	61.3	41.1	67%	1.5	5.6	1.0%	0.0%	0.3	0.0	11
	86	7.0	4.3	61%	0.9	N/A	0.7%	0.0%	0.1	0.0	<5
167550	85	3.0	2.9	95%	0.4	N/A	0.0%	0.0%	0.0	20.3	<5
167570	82	255.3	246.1	96%	N/A	18.2	0.0%	0.0%	0.0	1.0	14
	83	1,136.2	1,042.8	92%	3.5	13.7	0.0%	0.0%	0.0	4.7	83
	85	54.8	36.5	67%	2.8	N/A	0.0%	0.0%	0.1	4.6	<5
	86	917.7	494.8	54%	2.1	17.6	0.0%	0.0%	0.0	30.1	52
167573	83	23.5	20.9	89%	2.8	N/A	0.0%	0.0%	0.0	5.2	<5
	84	23.4	18.6	79%	2.6	N/A	0.0%	0.0%	0.0	30.8	<5
	85	1,189.0	716.4	60%	3.7	14.7	0.0%	0.0%	0.1	12.2	81
	86	783.5	359.6	46%	3.1	15.7	0.0%	0.0%	0.0	20.9	50
	89	3,815.4	2,113.2	55%	4.3	20.4	0.1%	0.0%	0.0	25.6	187
167580	84	122.3	67.4	55%	2.3	10.2	0.2%	0.0%	0.4	0.3	12
	85	2,745.3	1,500.2	55%	2.9	13.1	0.2%	0.0%	0.1	1.6	209
	86	3,264.3	1,595.2	49%	3.2	15.6	0.3%	0.0%	0.1	5.7	209
	87	27.4	7.1	26%	2.7	N/A	0.2%	0.0%	0.0	10.1	<5
	88	401.6	206.3	51%	3.9	19.1	0.2%	0.0%	0.0	2.4	21
	89	956.5	510.1	53%	3.6	18.0	0.0%	0.0%	0.0	18.8	53
167583	86	164.2	95.8	58%	2.1	10.9	2.5%	0.0%	0.1	0.1	15
168570	82	3.5	1.6	47%	1.1	N/A	0.0%	15.7%	0.0	27.1	<5
168573	83	12.5	7.6	61%	0.9	1.8	0.0%	0.0%	0.0	8.2	7
	85	47.2	34.4	73%	2.5	7.9	0.0%	0.0%	0.1	9.4	6
	86	35.0	14.6	42%	5.0	N/A	0.0%	0.1%	0.0	40.0	<5
	89	475.3	270.1	57%	4.3	21.6	0.1%	0.0%	0.0	26.3	22

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

September
YELLOWFIN SOLE
Data Table

Table VIII.9. (Continued.)

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates (numbers/mt)			
		Total	YFin	(%)	MT Per Hour	Tow	Hal	Her	KC	TC	Tows
168580	83	7.8	5.5	71%	1.1	N/A	0.1%	0.0%	0.3	10.5	<5
	85	324.0	163.9	51%	2.7	11.2	0.0%	0.0%	0.1	29.7	29
	86	375.3	154.0	41%	2.7	13.9	0.1%	0.0%	0.0	15.3	27
	89	2,068.7	1,067.2	52%	3.6	18.8	0.1%	0.0%	0.0	28.3	110
168583	85	22.7	8.8	39%	4.1	N/A	0.0%	0.0%	0.2	1.6	<5
	86	153.2	67.4	44%	2.3	12.8	0.2%	0.3%	0.0	0.9	12
169570	85	122.4	44.8	37%	2.7	9.4	1.4%	0.0%	3.8	38.1	13
	86	998.9	673.5	67%	4.8	19.6	0.3%	0.0%	1.2	10.1	51
169573	85	19.5	9.9	51%	2.7	N/A	0.0%	0.1%	0.7	275.3	<5
169580	84	7.4	4.7	63%	3.7	N/A	0.0%	0.0%	0.1	5.5	<5
	85	896.3	548.6	61%	2.7	11.8	0.0%	0.0%	0.0	32.7	76
	86	113.0	62.7	56%	2.1	9.4	0.0%	0.0%	0.0	111.1	12
	87	7.2	3.7	52%	1.4	N/A	0.2%	0.0%	0.0	30.0	<5
169583	85	203.7	108.1	53%	2.9	12.0	0.0%	0.0%	0.0	24.8	17
	89	307.9	132.8	43%	3.4	16.2	0.1%	0.0%	0.0	18.9	19
170580	85	110.7	81.8	74%	5.6	22.1	0.0%	0.0%	0.0	58.4	5
170583	85	225.2	128.1	57%	3.8	17.3	0.0%	0.0%	0.0	91.1	13
172600	89	30.0	8.7	29%	6.0	N/A	3.5%	0.1%	3.3	36.8	<5
172603	89	67.7	40.2	59%	6.8	N/A	3.1%	0.0%	0.3	2.7	<5

Note: *The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.*

October
YELLOWFIN SOLE
Data Table

VIII-36

Table VIII.10. Data used to prepare CPUE and bycatch rate charts for October.

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates			
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight) Hal	Her	KC	TC	Tows
159573	84	2.8	0.7	24%	0.7	N/A	0.1%	0.0%	1.8	0.0	<5
159580	84	1.9	0.6	33%	1.1	N/A	3.7%	0.0%	0.5	0.0	<5
160570	84	140.3	81.3	58%	6.5	20.0	1.4%	0.0%	2.5	4.8	7
161580	84	7.9	2.3	29%	0.9	N/A	2.1%	0.0%	1.4	0.0	<5
162563	85	63.4	35.4	56%	2.7	12.7	0.3%	0.0%	5.9	5.0	5
162570	85	703.2	556.4	79%	2.4	22.0	0.2%	0.0%	2.0	1.9	32
162573	83	41.3	20.5	50%	3.1	N/A	0.7%	0.0%	1.3	0.6	<5
	84	5.2	2.7	52%	1.5	N/A	6.4%	0.0%	10.8	0.0	<5
	85	34.0	23.8	70%	3.1	N/A	0.6%	0.0%	1.3	8.7	<5
162580	85	1.8	1.3	69%	0.5	N/A	1.1%	0.0%	0.0	0.0	<5
163560	85	14.4	6.9	48%	N/A	N/A	0.3%	0.0%	4.7	33.9	<5
163563	84	104.5	41.1	39%	2.8	20.9	0.0%	0.0%	0.2	0.9	5
	85	508.0	224.3	44%	4.4	25.4	0.0%	0.0%	2.1	3.0	20
163570	83	8.0	3.7	46%	1.3	N/A	0.0%	0.0%	1.6	1.1	<5
	84	1,024.7	482.9	47%	3.1	19.3	0.0%	0.0%	1.1	4.7	53
	85	4,090.1	2,855.2	70%	2.9	18.5	0.1%	0.0%	1.5	3.6	221
163573	84	162.8	101.0	62%	3.1	11.6	1.2%	0.0%	2.0	0.5	14
	85	552.4	409.5	74%	1.7	23.0	0.2%	0.0%	0.7	0.7	24
163580	84	13.1	9.6	73%	1.5	N/A	3.6%	0.0%	0.1	0.0	<5
164560	84	33.7	13.2	39%	1.6	N/A	0.2%	0.0%	0.4	8.8	<5
	85	23.9	9.2	38%	2.0	N/A	0.0%	0.0%	0.2	9.2	<5
164563	84	35.6	13.5	38%	2.9	N/A	0.6%	0.0%	1.5	3.8	<5
	85	412.7	182.5	44%	3.8	20.6	0.1%	0.0%	0.1	3.8	20
164570	83	79.5	56.8	72%	3.0	8.8	0.0%	0.0%	1.3	12.8	9
	84	647.5	458.3	71%	4.5	17.5	0.1%	0.0%	0.3	0.9	37
	85	641.5	398.6	62%	3.0	16.9	0.0%	0.0%	0.3	6.5	38
164573	84	1,305.6	792.2	61%	4.2	22.9	0.2%	0.0%	0.7	3.7	57
	85	744.2	570.7	77%	2.5	20.7	0.0%	0.0%	0.4	2.7	36
164580	88	15.3	4.0	26%	2.4	N/A	5.9%	0.1%	0.0	6.1	<5
165563	84	97.8	64.3	66%	2.1	9.8	0.0%	0.0%	0.0	11.6	10
	85	485.7	253.5	52%	4.1	22.1	0.0%	0.0%	0.0	14.9	22
	86	65.7	36.6	56%	2.2	11.0	0.0%	0.1%	0.0	84.6	6
	89	833.3	571.3	69%	3.8	19.4	0.1%	0.0%	0.1	26.4	43

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

October
YELLOWFIN SOLE
Data Table

Table VIII.10. (Continued.)

Block	Yr	Observed			Total CPUEs			Bycatch Rates			
		Total	Catch (mt)	(%)	MT Per	(% by weight)	(numbers/mt)	KC	TC	Tows	
165570	81	20.2	11.4	56%	1.5	N/A	0.4%	0.1%	0.7	40.0	<5
	82	85.5	82.4	96%	11.3	N/A	0.0%	0.0%	0.3	6.3	<5
	83	6,185.3	5,514.9	89%	3.3	16.6	0.0%	0.0%	0.0	1.3	373
	84	227.4	142.8	63%	3.7	22.7	0.0%	0.0%	0.1	7.4	10
	85	146.3	91.9	63%	3.1	16.3	0.0%	0.0%	0.0	3.7	9
	86	400.5	170.2	43%	4.2	25.0	0.0%	0.0%	0.0	18.2	16
	89	271.1	176.4	65%	2.5	12.9	0.1%	0.0%	1.6	41.3	21
165573	82	8.7	6.2	72%	3.5	N/A	0.2%	0.0%	0.5	13.4	<5
	83	2,052.6	1,851.4	90%	2.6	17.0	0.0%	0.0%	0.0	0.3	121
	84	2,344.6	1,642.7	70%	4.3	22.8	0.1%	0.0%	0.3	2.0	103
	85	400.8	277.6	69%	2.7	28.6	0.1%	0.0%	0.0	3.6	14
	86	2,341.1	1,419.2	61%	3.4	22.3	0.2%	0.0%	0.0	6.9	105
	88	806.5	345.0	43%	4.7	20.7	0.6%	0.0%	0.2	4.5	39
	89	172.7	112.2	65%	2.5	14.4	0.2%	0.0%	2.0	45.6	12
165580	84	24.5	17.3	71%	1.3	4.1	1.7%	0.0%	0.5	0.0	6
	86	2,355.0	1,751.4	74%	2.7	22.6	0.8%	0.0%	0.0	0.2	104
	88	615.2	263.1	43%	4.1	20.5	1.2%	0.0%	0.1	1.2	30
165583	84	2.7	1.1	39%	1.4	N/A	2.6%	0.0%	0.0	0.0	<5
166563	81	1,599.9	1,510.6	94%	1.2	21.6	0.0%	0.0%	0.0	0.2	74
	82	4.5	3.7	82%	2.3	N/A	0.1%	0.0%	0.0	28.0	<5
	84	35.5	26.7	75%	1.9	7.1	0.2%	0.0%	0.0	6.5	5
	85	107.2	61.8	58%	2.9	13.4	0.0%	0.0%	0.0	10.1	8
	86	43.9	18.1	41%	3.9	N/A	0.0%	0.0%	0.0	294.9	<5
166570	81	5,340.1	4,856.8	91%	2.4	19.5	0.0%	0.0%	0.0	2.9	274
	82	6,056.5	5,717.0	94%	4.3	17.7	0.0%	0.0%	0.0	4.2	343
	83	467.2	357.0	76%	1.8	4.8	0.1%	0.0%	0.1	15.9	98
	84	106.8	72.7	68%	3.1	10.7	0.1%	0.0%	0.1	19.3	10
	85	267.9	159.0	59%	4.0	17.9	0.1%	0.0%	0.0	11.7	15
	86	1,261.2	686.3	54%	3.2	18.3	0.0%	0.0%	0.0	81.0	69
	89	498.0	324.9	65%	3.1	18.4	0.2%	0.0%	0.0	46.0	27
166573	81	1,274.0	1,105.4	87%	N/A	18.5	0.0%	0.0%	0.0	0.2	69
	82	841.2	773.9	92%	3.5	17.5	0.1%	0.0%	0.0	3.6	48
	83	64.7	55.6	86%	1.3	4.0	0.0%	0.0%	0.1	5.5	16
	84	688.6	473.8	69%	2.5	16.0	0.2%	0.0%	0.3	4.4	43
	85	2,537.7	1,794.6	71%	3.0	19.8	0.3%	0.0%	0.0	7.3	128
	86	1,156.2	475.5	41%	3.4	19.6	0.0%	0.0%	0.1	13.6	59
	88	886.5	390.9	44%	4.1	23.3	0.6%	0.0%	0.1	3.9	38
	89	1,284.0	843.8	66%	3.3	17.1	0.2%	0.0%	0.0	42.8	75

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

October
YELLOWFIN SOLE
 Data Table

VIII-38

Table VIII.10. (Continued.)

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates			
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight) Hal	Her	KC	TC	Tows
166580	84	110.9	80.8	73%	1.9	6.2	1.4%	0.0%	0.3	0.2	18
	85	2,504.6	1,748.7	70%	3.2	20.9	0.5%	0.0%	0.1	3.5	120
	86	2,842.0	2,041.9	72%	2.6	19.5	0.9%	0.0%	0.1	0.8	146
	88	2,315.8	1,119.2	48%	4.3	19.8	0.9%	0.0%	0.1	6.1	117
166583	82	0.9	0.7	79%	0.9	N/A	2.5%	0.0%	1.1	0.0	<5
167563	86	11.0	7.8	70%	2.0	N/A	0.0%	0.0%	0.0	66.2	<5
167570	82	2,143.8	2,086.1	97%	5.3	21.2	0.0%	0.0%	0.0	1.6	101
	83	31.2	24.3	78%	2.8	N/A	0.0%	0.0%	0.1	13.1	<5
	84	21.5	17.1	79%	2.0	N/A	0.0%	0.0%	0.0	24.8	<5
	85	162.1	100.4	62%	2.3	11.6	0.0%	0.0%	0.1	22.8	14
	86	181.1	107.8	60%	2.4	15.1	0.1%	0.0%	0.0	89.7	12
167573	82	387.1	357.7	92%	N/A	19.4	0.0%	0.0%	0.0	1.4	20
	83	185.3	144.9	78%	1.5	3.6	0.1%	0.0%	0.3	16.4	52
	84	2,014.3	1,465.9	73%	2.6	15.7	0.1%	0.0%	0.1	6.5	128
	85	1,133.9	696.2	61%	2.7	12.6	0.0%	0.0%	0.1	17.8	90
	86	100.2	49.4	49%	2.5	16.7	0.0%	0.0%	0.1	247.1	6
	87	5.8	5.0	86%	1.9	N/A	0.4%	0.0%	0.0	16.6	<5
	89	1,756.1	1,042.0	59%	3.3	17.0	0.2%	0.0%	0.0	33.2	103
167580	82	7.1	5.5	77%	7.1	N/A	0.0%	0.0%	0.0	42.8	<5
	83	13.5	9.8	72%	2.5	N/A	0.0%	0.0%	0.4	4.6	<5
	84	488.3	301.8	62%	2.2	10.6	0.3%	0.1%	0.3	3.4	46
	85	3,213.7	2,214.8	69%	2.9	17.6	0.4%	0.0%	0.1	3.9	183
	86	2,697.7	1,277.9	47%	2.6	15.8	0.4%	0.1%	0.1	11.8	171
	88	1,158.7	595.3	51%	3.0	18.1	0.4%	0.0%	0.1	7.0	64
	89	1,024.4	626.4	61%	3.7	18.6	0.1%	0.0%	0.0	24.0	55
167583	84	5.1	2.3	46%	1.3	N/A	8.3%	0.0%	2.0	0.0	<5
	85	26.1	17.3	66%	1.7	N/A	3.4%	0.0%	0.3	0.2	<5
	86	26.4	13.0	49%	2.3	N/A	0.6%	0.3%	0.2	1.3	<5
	88	13.0	6.4	49%	2.4	N/A	1.2%	0.0%	0.2	0.1	<5
168573	83	113.6	90.0	79%	1.1	3.2	0.1%	0.0%	0.6	11.6	36
	84	24.5	14.8	60%	2.5	N/A	0.0%	0.1%	0.2	51.5	<5
	85	50.2	29.9	59%	2.2	7.2	0.0%	0.0%	0.2	5.7	7
	86	203.7	115.8	57%	2.7	12.0	0.0%	0.0%	0.0	38.2	17
	87	20.9	16.6	80%	4.8	N/A	0.1%	0.0%	0.0	2.2	<5
	89	293.9	181.1	62%	3.4	14.7	0.1%	0.0%	0.0	43.6	20

Note: *The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.*

October
YELLOWFIN SOLE
Data Table

Table VIII.10. (Continued.)

Block	Yr	Observed			Total CPUEs			Bycatch Rates			
		Total	Catch (mt)	(%)	MT Per	Hour	Tow	(% by weight)	KC	TC	Tows
168580	83	92.0	66.4	72%	0.9	2.8	0.1%	0.0%	0.3	8.9	33
	84	3,177.7	2,248.6	71%	3.3	14.6	0.0%	0.1%	0.1	14.9	218
	85	258.4	162.5	63%	2.8	11.2	0.0%	0.0%	0.1	13.4	23
	86	1,482.5	814.6	55%	2.6	12.8	0.1%	0.0%	0.0	37.7	116
	87	121.5	94.6	78%	3.9	15.2	0.1%	0.0%	0.0	27.2	8
	88	237.5	117.1	49%	2.9	17.0	0.1%	0.0%	0.0	18.7	14
	89	1,736.5	1,024.6	59%	3.2	16.9	0.1%	0.0%	0.0	76.4	103
168583	84	893.2	593.2	66%	3.0	18.2	0.0%	0.0%	0.0	2.9	49
	85	53.6	28.5	53%	4.3	N/A	0.1%	0.0%	0.1	13.2	<5
	86	3.5	1.6	47%	0.7	N/A	2.6%	0.0%	0.3	0.0	<5
	88	1,604.6	792.1	49%	4.3	21.4	0.3%	0.0%	0.1	3.5	75
	89	91.8	65.3	71%	2.3	13.1	0.2%	0.0%	0.0	19.2	7
168590	88	85.5	46.6	55%	6.8	N/A	0.2%	0.0%	0.0	0.9	<5
169563	89	34.3	18.0	52%	2.7	N/A	1.4%	0.0%	8.7	89.4	<5
169570	85	203.0	90.5	45%	3.1	12.7	3.8%	0.0%	2.8	83.1	16
	86	37.6	18.5	49%	3.3	N/A	1.6%	0.0%	42.5	12.7	<5
	89	583.4	337.3	58%	8.8	29.2	0.8%	0.0%	6.5	26.5	20
169573	86	49.7	25.8	52%	2.7	N/A	0.0%	0.0%	0.0	46.2	<5
	89	65.2	23.4	36%	2.3	13.0	0.3%	0.0%	0.6	49.6	5
169580	83	0.7	0.2	29%	0.3	N/A	0.0%	0.0%	1.4	85.7	<5
	84	2,488.9	1,812.0	73%	3.0	12.6	0.0%	0.0%	0.1	21.5	198
	85	143.7	95.5	66%	2.4	10.3	0.0%	0.0%	0.0	28.0	14
	86	1,823.5	1,238.9	68%	3.2	16.7	0.1%	0.0%	0.0	45.5	109
	87	31.0	21.0	68%	2.3	N/A	0.3%	0.0%	0.0	18.5	<5
	88	20.3	8.2	40%	1.0	N/A	0.3%	0.0%	0.0	160.4	<5
	89	1,582.3	1,220.2	77%	3.1	12.1	0.0%	0.0%	0.0	16.8	131
169583	85	465.7	309.4	66%	3.6	12.6	0.0%	0.0%	0.0	44.1	37
	86	553.1	378.7	68%	2.9	15.8	0.1%	0.0%	0.0	72.6	35
	88	1,389.4	654.8	47%	3.5	20.1	0.2%	0.0%	0.0	6.1	69
	89	122.5	77.6	63%	1.8	9.4	0.2%	0.0%	0.0	52.9	13
	84	27.6	21.2	77%	2.7	N/A	0.2%	0.3%	0.0	17.8	<5
169590	86	5.9	2.0	34%	1.5	N/A	1.7%	0.2%	0.0	2.9	<5
	88	920.8	445.8	48%	4.2	21.9	0.8%	0.0%	0.0	8.9	42
	84	144.8	117.3	81%	2.0	9.1	0.0%	0.0%	0.1	49.0	16
170580	85	211.9	163.4	77%	4.6	17.7	0.0%	0.0%	0.1	39.3	12
	86	1,280.1	920.5	72%	3.1	15.8	0.1%	0.0%	0.0	62.9	81
	84	484.2	375.5	78%	2.8	11.0	0.0%	0.0%	0.0	27.7	44
170583	85	365.0	313.7	86%	3.4	12.2	0.0%	0.0%	0.0	50.3	30
	86	811.0	610.2	75%	3.2	16.2	0.1%	0.0%	0.0	80.1	50
	86	7.5	5.1	68%	1.6	N/A	0.0%	0.0%	0.0	194.0	<5

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

November
YELLOWFIN SOLE
Data Table

VIII-40

Table VIII.11. Data used to prepare CPUE and bycatch rate charts for November.

Block	Yr	Observed			Total CPUEs			Bycatch Rates				
		Total	Catch (mt)	(%)	MT Per	Hour	Tow	(% by weight)	Hal	Her	KC	TC
159563	85	8.0	2.3	29%	1.4	N/A	0.7%	0.0%	0.9	0.4	0.4	<5
159570	84	25.4	5.2	21%	1.2	N/A	1.2%	0.0%	1.0	4.4	4.4	<5
	85	26.8	8.9	33%	1.8	N/A	2.4%	0.0%	0.6	6.5	6.5	<5
159573	84	17.0	6.2	36%	0.8	N/A	0.7%	0.0%	0.4	0.1	0.1	<5
	85	4.8	2.2	46%	1.0	N/A	1.3%	0.0%	0.4	1.3	1.3	<5
159580	84	5.5	3.6	66%	1.2	N/A	1.4%	0.0%	0.2	0.2	0.2	<5
160580	84	3.5	1.0	30%	0.9	N/A	2.0%	0.0%	0.0	0.3	0.3	<5
161573	85	8.7	5.1	59%	1.9	N/A	2.7%	0.0%	0.0	0.0	0.0	<5
161580	84	8.7	5.4	63%	0.9	N/A	3.0%	0.0%	0.5	1.0	1.0	<5
162580	84	4.7	3.7	78%	0.9	N/A	2.0%	0.0%	0.2	0.0	0.0	<5
	86	8.4	4.3	51%	1.2	N/A	1.4%	0.0%	0.0	15.2	15.2	<5
163560	85	25.4	9.3	37%	N/A	N/A	0.6%	0.0%	0.0	7.3	7.3	<5
163563	84	61.1	21.8	36%	3.1	N/A	0.2%	0.0%	0.7	3.0	3.0	<5
	85	197.9	82.1	41%	3.5	19.8	0.7%	0.0%	0.4	7.4	7.4	10
163570	83	330.1	265.7	80%	4.8	17.4	0.3%	0.0%	1.3	2.2	2.2	19
	84	797.4	417.4	52%	4.2	22.2	0.1%	0.0%	0.5	1.0	1.0	36
	85	690.6	446.1	65%	5.3	27.6	0.7%	0.0%	0.7	12.1	12.1	25
163573	84	597.0	419.8	70%	1.7	15.7	0.9%	0.0%	0.3	0.2	0.2	38
	85	46.6	33.1	71%	3.2	N/A	2.2%	0.0%	0.6	2.8	2.8	<5
163580	84	22.3	16.8	75%	1.5	N/A	0.6%	0.0%	0.2	0.1	0.1	<5
	86	3.0	2.0	67%	0.9	N/A	1.9%	0.0%	0.3	70.0	70.0	<5
163583	86	2.0	1.6	81%	1.3	N/A	1.5%	0.0%	0.0	0.0	0.0	<5
164560	85	6.7	1.7	26%	1.3	N/A	2.6%	0.0%	0.0	6.7	6.7	<5
164563	83	523.2	306.6	59%	4.0	16.9	0.4%	0.0%	0.1	3.4	3.4	31
	84	34.4	15.9	46%	1.9	N/A	0.4%	0.0%	0.5	1.9	1.9	<5
	85	1,283.8	638.2	50%	3.7	18.9	0.3%	0.0%	0.1	6.7	6.7	68
164570	82	455.6	398.6	87%	5.4	18.2	0.3%	0.0%	0.1	2.3	2.3	25
	83	1,321.2	974.7	74%	4.3	16.9	0.2%	0.0%	0.3	2.4	2.4	78
	84	878.7	470.6	54%	3.7	19.5	0.2%	0.0%	0.2	1.9	1.9	45
	85	384.6	222.4	58%	4.5	21.4	0.4%	0.0%	0.2	7.5	7.5	18
164573	83	109.1	52.3	48%	4.2	21.8	0.3%	0.0%	1.2	2.2	2.2	5
	84	391.3	254.8	65%	2.4	24.5	0.2%	0.0%	0.3	0.1	0.1	16
164580	86	3.0	1.8	59%	1.0	N/A	3.7%	0.0%	0.0	0.0	0.0	<5
165543	85	23.1	9.2	40%	6.0	N/A	0.0%	0.0%	0.0	0.5	0.5	<5

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

Table VIII.11. (Continued.)

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates			
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight) Hal	Her	KC	TC	Tows
165563	81	18.5	7.0	38%	3.2	N/A	0.5%	0.2%	5.2	8.9	<5
	83	347.5	151.3	44%	3.5	13.4	0.4%	0.0%	0.1	10.8	26
	84	6.4	3.2	50%	0.5	N/A	0.2%	0.0%	0.0	3.1	<5
	85	362.9	168.4	46%	4.3	24.2	0.2%	0.0%	0.0	9.3	15
	88	16.0	7.3	46%	2.1	N/A	1.0%	0.0%	0.3	106.9	<5
	89	903.4	549.7	61%	3.2	16.7	0.4%	0.0%	0.0	66.1	54
165570	81	45.8	33.6	73%	4.4	N/A	1.1%	0.1%	1.7	260.4	<5
	82	4,532.9	4,080.6	90%	5.5	20.3	0.2%	0.0%	0.4	3.5	223
	83	1,537.9	959.3	62%	4.4	14.8	0.3%	0.0%	0.2	7.1	104
	84	1,254.2	863.4	69%	5.3	26.7	0.1%	0.0%	0.1	8.8	47
	85	210.1	121.7	58%	3.4	17.5	0.2%	0.0%	0.0	19.2	12
	86	324.6	187.2	58%	3.6	16.2	0.4%	0.0%	0.0	8.1	20
	88	538.8	319.8	59%	5.7	23.4	0.4%	0.0%	1.8	8.9	23
	89	3,406.5	2,306.2	68%	3.7	18.6	0.4%	0.0%	0.1	36.7	183
165573	82	9.1	6.2	68%	2.4	N/A	0.5%	0.0%	0.4	3.5	<5
	83	3,740.9	2,905.6	78%	3.8	17.3	0.3%	0.0%	0.1	1.4	216
	84	128.7	70.6	55%	3.6	12.9	0.2%	0.0%	0.2	32.1	10
	85	711.0	525.0	74%	4.6	27.3	0.7%	0.0%	0.0	1.3	26
	86	943.0	638.3	68%	3.4	15.0	1.1%	0.0%	0.1	3.8	63
	88	1,373.9	822.8	60%	3.7	21.1	0.5%	0.0%	0.9	5.9	65
	89	136.9	85.3	62%	2.4	15.2	2.1%	0.0%	0.1	37.9	9
165580	83	21.2	10.4	49%	2.4	N/A	0.3%	0.0%	0.0	0.3	<5
	86	43.7	36.3	83%	2.9	N/A	1.6%	0.0%	0.1	0.2	<5
	88	145.1	67.9	47%	2.5	16.1	0.9%	0.0%	0.3	1.3	9
166563	81	978.7	852.6	87%	3.0	21.7	0.0%	0.0%	0.0	0.8	45
	82	36.2	29.0	80%	1.6	4.0	1.4%	0.1%	0.6	20.2	9
	83	152.1	77.8	51%	3.8	13.8	0.2%	0.0%	0.1	22.3	11
	84	2.7	1.9	70%	0.3	N/A	0.6%	0.0%	0.0	18.1	<5
	85	24.0	7.7	32%	4.8	N/A	0.1%	0.0%	0.0	2.1	<5
	87	31.6	11.3	36%	2.1	N/A	0.8%	0.0%	0.0	15.1	<5
	89	82.5	42.9	52%	2.0	11.8	1.1%	0.0%	0.0	109.6	7
166570	81	2,069.0	1,822.6	88%	4.0	23.8	0.3%	0.0%	0.2	41.1	87
	82	3,590.9	3,344.9	93%	3.7	15.1	0.2%	0.0%	0.1	3.1	238
	83	292.8	202.6	69%	1.3	3.5	0.5%	0.0%	0.1	28.5	83
	84	997.7	706.5	71%	7.1	34.4	0.1%	0.0%	0.0	11.2	29
	85	420.7	252.4	60%	3.6	18.3	0.6%	0.0%	0.0	18.1	23
	86	498.0	315.6	63%	2.9	14.2	0.8%	0.0%	0.0	36.6	35
	87	39.9	15.0	37%	1.9	8.0	1.2%	0.0%	0.0	33.0	5
	89	336.7	210.2	62%	2.9	15.3	0.8%	0.0%	0.0	54.4	22

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

November
YELLOWFIN SOLE
Data Table

VIII-42

Table VIII.11. (Continued.)

Block	Yr	Observed			Total CPUEs			Bycatch Rates				
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight)	Hal	Her	KC	TC	Tows
166573	81	1,419.5	1,300.1	92%	N/A	21.2	0.0%	0.0%	0.0%	0.0	0.2	67
	82	295.3	280.3	95%	3.5	12.8	0.2%	0.0%	0.0%	0.4	4.5	23
	83	69.5	33.2	48%	3.1	9.9	0.3%	0.0%	0.0%	0.2	3.5	7
	84	1,324.3	936.3	71%	4.4	15.2	0.1%	0.0%	0.0%	0.0	12.5	87
	85	2,136.0	1,574.9	74%	4.2	28.1	0.5%	0.0%	0.0%	0.0	8.5	76
	86	342.8	196.0	57%	2.6	13.7	0.4%	0.0%	0.0%	0.0	46.1	25
	88	54.6	33.0	60%	1.9	10.9	1.3%	0.0%	0.0%	0.3	4.1	5
	89	188.1	125.5	67%	3.3	17.1	1.0%	0.0%	0.0%	0.2	87.9	11
166580	84	366.4	280.1	76%	3.7	11.1	0.2%	0.0%	0.0%	0.1	8.4	33
	85	186.5	156.6	84%	5.5	14.3	0.3%	0.0%	0.0%	0.0	3.1	13
	86	180.5	133.8	74%	3.2	13.9	1.4%	0.0%	0.0%	0.0	5.0	13
	88	301.5	187.8	62%	2.3	15.1	1.4%	0.0%	0.0%	0.1	10.8	20
166583	86	4.5	2.7	59%	0.6	N/A	14.8%	0.0%	0.0%	0.9	0.2	<5
	88	13.2	6.8	52%	N/A	N/A	1.0%	0.0%	0.0%	0.0	14.2	<5
167563	84	12.3	9.1	74%	5.1	N/A	0.0%	0.0%	0.0%	0.0	1.7	<5
167570	81	10.8	8.5	79%	1.3	N/A	0.9%	0.0%	0.0%	0.0	12.4	<5
	82	122.1	112.4	92%	4.0	8.1	0.3%	0.0%	0.0%	0.1	14.4	15
	83	55.3	41.4	75%	0.9	2.4	0.2%	0.0%	0.0%	0.8	19.0	23
	85	36.9	17.1	46%	5.3	N/A	0.2%	0.0%	0.0%	0.0	37.2	<5
	86	22.0	12.7	58%	6.1	N/A	0.0%	0.0%	0.0%	0.0	0.0	<5
	87	12.7	5.9	46%	2.2	N/A	0.1%	0.0%	0.0%	0.0	14.1	<5
167573	81	367.0	280.0	76%	N/A	45.9	0.0%	0.0%	0.0%	0.0	0.1	8
	83	43.8	25.8	59%	1.2	3.4	0.2%	0.0%	0.0%	0.2	15.7	13
	84	1,609.4	1,135.6	71%	4.0	14.0	0.1%	0.0%	0.0%	0.0	15.6	115
	85	110.3	74.7	68%	2.5	6.9	0.7%	0.0%	0.0%	0.1	15.9	16
	86	881.9	529.3	60%	2.9	14.7	0.4%	0.0%	0.0%	0.0	33.3	60
	87	121.3	68.3	56%	2.3	9.3	0.6%	0.0%	0.0%	0.0	7.4	13
	88	14.8	9.5	64%	2.1	N/A	1.0%	0.0%	0.0%	0.0	91.5	<5
	89	590.4	343.2	58%	5.2	21.9	0.9%	0.0%	0.0%	0.0	21.4	27
167580	84	797.9	588.8	74%	3.1	14.8	0.2%	0.0%	0.0%	0.2	9.0	54
	85	245.8	182.3	74%	3.5	9.8	0.8%	0.0%	0.0%	0.0	3.5	25
	86	901.8	581.1	64%	3.5	17.7	0.2%	0.0%	0.0%	0.0	4.4	51
	88	1,501.1	947.3	63%	2.6	16.0	1.2%	0.0%	0.0%	0.1	13.6	94
167583	86	15.0	6.9	46%	3.1	N/A	2.4%	0.0%	0.0%	0.2	1.0	<5
	88	5.1	1.6	31%	0.9	N/A	7.3%	0.0%	0.0%	0.0	0.0	<5

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

November
YELLOWFIN SOLE
Data Table

Table VIII.11. (Continued.)

Block	Yr	Observed			Total CPUEs			Bycatch Rates			
		Catch (mt)			MT Per		(% by weight)		(numbers/mt)		
		Total	YFin	(%)	Hour	Tow	Hal	Her	KC	TC	Tows
168573	83	12.8	6.6	52%	1.1	N/A	0.5%	0.0%	1.2	18.8	<5
	84	277.6	219.9	79%	2.7	13.2	0.2%	0.0%	0.9	14.9	21
	85	5.5	3.9	71%	2.2	N/A	2.5%	0.0%	0.0	112.7	<5
	86	855.7	576.7	67%	2.7	15.6	0.5%	0.0%	0.0	55.5	55
	87	96.8	51.3	53%	2.1	10.8	0.7%	0.0%	0.0	97.6	9
	89	40.3	28.5	71%	1.8	N/A	0.4%	0.0%	0.0	4.9	<5
168580	84	1,742.3	1,328.5	76%	2.9	12.6	0.2%	0.0%	0.2	14.8	138
	85	144.4	107.7	75%	2.6	7.6	0.6%	0.0%	0.1	2.0	19
	86	359.1	233.8	65%	3.0	13.8	0.3%	0.0%	0.0	14.5	26
	87	60.4	38.8	64%	3.4	12.1	0.5%	0.0%	0.0	6.4	5
	88	930.4	564.9	61%	3.1	18.6	0.9%	0.0%	0.1	12.8	50
168583	83	4.4	2.3	53%	2.9	N/A	0.2%	0.0%	0.2	0.0	<5
	84	66.9	48.7	73%	2.6	11.2	0.1%	0.0%	0.1	6.2	6
	85	23.4	14.8	63%	2.2	N/A	1.2%	0.0%	0.0	0.4	<5
	88	288.1	161.1	56%	2.1	14.4	1.3%	0.0%	0.1	6.8	20
169560	81	15.5	11.7	75%	15.5	N/A	0.1%	0.0%	0.0	2.3	<5
169570	86	11.5	7.0	61%	3.1	N/A	1.0%	0.0%	0.7	27.7	<5
169573	86	560.4	330.4	59%	2.6	16.0	1.1%	0.0%	0.1	56.4	35
	87	58.0	16.4	28%	2.1	11.6	0.7%	0.0%	0.4	112.2	5
169580	84	965.1	727.8	75%	2.6	10.6	0.1%	0.0%	0.1	20.0	91
	85	8.2	6.4	78%	2.7	N/A	0.0%	0.0%	0.0	4.0	<5
	86	1,045.6	716.7	69%	3.0	14.5	0.5%	0.0%	0.0	34.3	72
	88	11.5	7.0	61%	1.9	N/A	0.8%	0.0%	0.0	117.0	<5
169583	83	2.5	2.2	87%	1.3	N/A	0.1%	0.0%	0.0	0.8	<5
	84	991.1	711.0	72%	2.9	12.2	0.1%	0.0%	0.1	8.3	81
	85	7.7	5.8	75%	2.6	N/A	0.8%	0.0%	0.1	1.2	<5
	86	66.8	35.7	53%	2.5	11.1	0.7%	0.0%	0.0	52.2	6
	88	408.8	192.5	47%	2.5	16.4	1.8%	0.0%	0.1	9.8	25
169590	84	14.7	11.1	75%	2.9	N/A	0.1%	0.0%	0.0	6.3	<5
	88	171.0	86.6	51%	2.0	13.2	2.3%	0.0%	0.0	16.9	13
170573	84	92.8	60.3	65%	N/A	N/A	0.2%	0.0%	0.0	0.8	<5
170580	84	103.5	83.6	81%	4.6	11.5	0.0%	0.1%	0.0	19.4	9
	86	64.2	40.9	64%	2.1	8.0	1.0%	0.0%	0.0	120.9	8
	87	57.1	34.3	60%	2.3	11.4	0.7%	0.0%	0.0	39.6	5
170583	84	676.0	577.0	85%	4.5	15.0	0.0%	0.0%	0.0	25.6	45
	85	81.5	66.0	81%	3.1	9.1	0.3%	0.0%	0.0	65.9	9
	86	13.8	8.6	62%	1.6	N/A	1.0%	0.0%	0.1	378.8	<5
	87	13.4	7.4	55%	3.4	N/A	0.4%	0.0%	0.0	76.6	<5

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

November
YELLOWFIN SOLE
Data Table

VIII-44

Table VIII.11. (Continued.)

Block	Yr	Observed			Total CPUEs			Bycatch Rates			
		Total	YFin	(%)	MT Per	Hour	Tow	(% by weight)	KC	TC	Tows
170590	84	864.3	750.3	87%	3.7	12.7	0.1%	0.0%	0.0	41.4	68
	85	96.7	78.7	81%	3.6	10.7	0.1%	0.0%	0.0	157.1	9
170593	84	9.6	5.3	55%	2.4	N/A	0.1%	0.0%	0.1	129.4	<5
171573	85	4.4	1.1	26%	1.1	N/A	1.6%	0.0%	7.0	142.7	<5
171580	85	7.3	2.1	28%	1.8	N/A	1.5%	0.1%	0.0	249.9	<5
171590	84	60.6	50.2	83%	3.5	N/A	0.0%	0.0%	0.0	174.5	<5
171593	84	4.0	3.5	89%	2.1	N/A	0.1%	0.0%	0.0	75.3	<5

Note: *The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.*

December
YELLOWFIN SOLE
Data Table

Table VIII.12. Data used to prepare CPUE and bycatch rate charts for December.

Block	Yr	Observed			Total CPUEs			Bycatch Rates			
		Total	Catch (mt)	(%)	MT Per	Hour	Tow	(% by weight)	Hal	Her	(numbers/mt)
158573	85	2.1	0.7	31%	0.5	N/A	3.7%	0.0%	0.0	0.0	<5
159563	85	7.2	1.8	25%	1.0	N/A	1.1%	0.0%	1.8	1.9	<5
159570	84	6.4	1.3	20%	1.3	N/A	0.0%	0.0%	2.3	11.1	<5
	85	378.1	169.0	45%	1.8	8.8	1.8%	0.0%	0.7	2.3	43
159573	85	321.2	159.4	50%	1.7	7.6	1.3%	0.0%	1.2	2.2	42
160580	85	6.5	3.8	59%	0.9	N/A	1.2%	0.0%	2.2	0.3	<5
161573	85	90.1	64.0	71%	2.5	12.9	0.3%	0.0%	18.5	2.5	7
161580	85	10.7	7.7	72%	1.4	N/A	2.0%	0.0%	0.9	0.1	<5
162553	88	58.0	30.4	52%	2.6	11.6	0.9%	0.0%	0.3	3.0	5
162563	88	13.1	9.4	72%	5.8	N/A	0.0%	0.0%	0.3	4.0	<5
162570	84	17.8	7.5	42%	4.2	N/A	0.1%	0.0%	0.5	0.5	<5
	85	28.8	22.2	77%	2.2	N/A	0.3%	0.0%	1.0	0.0	<5
162573	85	119.0	84.2	71%	2.8	13.2	0.5%	0.0%	5.3	0.4	9
163550	88	244.0	155.7	64%	5.7	17.4	0.6%	0.0%	0.0	15.3	14
163553	88	197.1	139.9	71%	5.5	17.9	1.3%	0.0%	0.0	23.7	11
163563	83	440.1	174.0	40%	4.5	24.5	0.4%	0.0%	0.5	10.9	18
	84	199.6	85.8	43%	4.6	20.0	0.4%	0.0%	4.1	0.7	10
	85	88.9	50.2	56%	4.0	N/A	0.1%	0.0%	0.2	6.9	<5
	88	1,088.7	893.3	82%	29.4	38.9	0.1%	0.0%	0.5	4.3	28
163570	83	135.3	74.7	55%	4.6	19.3	0.5%	0.0%	3.5	13.2	7
	84	524.6	381.5	73%	6.8	29.1	0.2%	0.0%	0.6	3.5	18
	85	99.6	50.2	50%	4.7	N/A	0.2%	0.0%	0.1	1.8	<5
	88	84.3	62.7	74%	2.6	12.0	0.2%	0.0%	1.1	12.9	7
163573	83	1.7	1.1	65%	0.9	N/A	1.1%	0.0%	0.6	1.2	<5
	84	3.4	1.9	56%	0.9	N/A	0.0%	0.0%	0.0	0.0	<5
163580	88	4.6	2.0	44%	1.0	N/A	0.0%	0.0%	1.1	1.5	<5
164560	83	17.8	11.7	66%	4.5	N/A	0.0%	0.0%	0.0	1.4	<5
	88	29.8	23.2	78%	N/A	N/A	0.2%	0.0%	0.3	73.6	<5
164563	82	24.1	22.1	92%	3.8	N/A	0.0%	0.0%	0.1	1.5	<5
	83	238.7	108.1	45%	3.5	11.4	1.1%	0.0%	0.1	11.9	21
	84	88.8	30.6	34%	2.2	11.1	0.3%	0.0%	0.2	2.7	8
	85	750.6	461.5	61%	4.0	19.8	0.3%	0.0%	0.0	7.8	38
	88	833.2	613.4	74%	N/A	49.0	0.2%	0.0%	0.0	4.2	17
164570	82	488.9	418.1	86%	4.5	15.3	0.2%	0.0%	0.4	8.9	32
	83	806.6	416.0	52%	5.0	20.7	0.2%	0.0%	1.7	9.2	39
	84	747.2	411.0	55%	6.4	29.9	0.3%	0.0%	0.4	5.1	25
	85	809.5	440.2	54%	3.6	18.8	0.2%	0.0%	0.1	9.5	43
	88	297.1	211.5	71%	N/A	42.4	0.4%	0.0%	0.2	7.5	7

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

December
YELLOWFIN SOLE
Data Table

VIII-46

Table VIII.12. (Continued.)

Block	Yr	Observed			Total CPUEs			Bycatch Rates			
		Total	Catch (mt)	(%)	MT Per	Hour	Tow	(% by weight)	(numbers/mt)	KC	TC
164573	83	55.7	39.4	71%	2.3	6.2	0.5%	0.0%	2.1	0.8	9
	84	733.7	455.1	62%	5.8	30.6	0.3%	0.0%	0.3	6.3	24
	85	51.0	25.3	50%	3.7	N/A	0.3%	0.0%	0.1	4.1	<5
	88	25.3	17.5	69%	N/A	N/A	0.0%	0.0%	0.9	37.6	<5
164580	84	2.5	1.7	66%	0.8	N/A	0.2%	0.0%	0.4	4.8	<5
	88	9.9	4.5	46%	1.5	N/A	0.7%	0.0%	1.2	0.6	<5
165563	82	155.6	116.4	75%	4.3	19.5	0.2%	0.0%	0.2	5.1	8
	83	275.1	115.7	42%	2.3	9.5	1.1%	0.0%	0.0	15.7	29
	84	66.0	38.8	59%	2.3	9.4	0.1%	0.0%	0.0	2.2	7
	85	90.1	40.6	45%	2.6	11.3	0.8%	0.0%	0.0	8.0	8
165570	82	1,382.9	1,053.5	76%	3.4	11.4	0.4%	0.0%	1.1	14.7	121
	83	628.4	375.6	60%	3.6	13.7	0.6%	0.0%	0.2	8.5	46
	84	437.1	247.7	57%	6.1	27.3	0.2%	0.0%	0.1	11.1	16
	85	566.7	272.6	48%	4.0	22.7	0.3%	0.0%	0.0	30.3	25
	86	41.6	31.2	75%	4.4	N/A	1.0%	0.0%	0.0	17.4	<5
165573	82	220.0	175.1	80%	4.7	18.3	0.2%	0.0%	0.2	6.4	12
	83	785.8	506.9	65%	5.6	20.1	0.2%	0.0%	0.1	3.1	39
	84	726.5	497.1	68%	5.1	25.1	0.2%	0.0%	0.1	7.5	29
	85	47.3	28.0	59%	4.3	N/A	0.4%	0.0%	0.0	19.6	<5
	86	654.0	510.0	78%	4.9	21.8	0.5%	0.0%	0.0	3.0	30
	88	92.3	63.1	68%	2.0	11.5	1.4%	0.0%	0.5	7.3	8
165580	83	6.0	3.5	58%	1.1	N/A	1.1%	0.0%	0.7	0.5	<5
	85	11.2	9.9	89%	4.5	N/A	0.1%	0.0%	0.0	2.7	<5
	86	9.3	7.6	82%	2.3	N/A	0.9%	0.0%	0.0	24.5	<5
	88	44.4	20.4	46%	N/A	N/A	0.2%	0.0%	0.0	0.0	<5
166563	82	4.1	2.5	62%	1.1	N/A	2.6%	0.0%	0.5	179.3	<5
	83	41.1	30.1	73%	3.4	N/A	0.3%	0.0%	0.0	3.6	<5
166570	81	1.1	0.6	59%	0.9	N/A	1.2%	0.0%	0.0	0.9	<5
	82	94.9	65.2	69%	2.1	7.3	0.5%	0.0%	0.6	19.9	13
	83	746.1	458.8	61%	2.9	9.9	1.1%	0.0%	0.1	22.5	75
	84	666.6	505.6	76%	4.5	13.6	0.3%	0.0%	0.0	8.5	49
	85	1,227.4	781.8	64%	5.3	20.5	0.4%	0.0%	0.0	23.8	60
	86	241.1	136.8	57%	5.4	24.1	0.9%	0.0%	0.0	14.3	10
	88	52.3	35.6	68%	4.9	N/A	0.5%	0.0%	0.0	19.8	<5

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

December
YELLOWFIN SOLE
Data Table

Table VIII.12. (Continued.)

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates (numbers/mt)			
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight) Hal	Her	KC	TC	Tows
166573	82	173.2	128.6	74%	3.8	14.4	0.7%	0.0%	0.5	10.7	12
	83	200.5	146.0	73%	2.9	9.1	0.9%	0.0%	0.1	9.6	22
	84	643.3	479.5	75%	3.7	12.1	0.3%	0.0%	0.0	9.5	53
	85	397.2	287.7	72%	4.3	14.7	0.3%	0.0%	0.0	41.9	27
	86	245.0	155.5	63%	3.9	18.8	0.5%	0.0%	0.0	12.8	13
	88	55.1	37.7	68%	4.5	N/A	0.7%	0.0%	0.0	24.9	<5
	89	93.2	59.1	63%	3.8	13.3	0.2%	0.0%	0.1	24.3	7
166580	83	4.0	1.7	43%	1.1	N/A	1.0%	0.0%	0.5	0.0	<5
	84	147.8	111.4	75%	3.4	13.4	0.1%	0.0%	0.0	10.6	11
	85	270.3	226.1	84%	5.7	14.2	0.1%	0.0%	0.0	8.3	19
	86	188.0	136.5	73%	7.3	31.3	0.3%	0.0%	0.0	3.2	6
	88	20.8	12.0	58%	N/A	N/A	0.1%	0.0%	0.0	7.4	<5
166583	83	3.2	2.1	67%	6.4	N/A	0.3%	0.0%	0.3	0.3	<5
167570	83	125.0	82.2	66%	3.5	12.5	0.6%	0.0%	0.1	17.8	10
	84	30.0	19.2	64%	2.3	N/A	0.9%	0.0%	0.0	18.0	<5
	85	26.8	12.1	45%	2.6	N/A	0.7%	0.0%	0.1	7.9	<5
	86	27.0	10.3	38%	3.0	N/A	1.3%	0.0%	0.0	111.6	<5
	89	48.6	34.2	70%	N/A	N/A	0.2%	0.0%	0.0	10.6	<5
167573	83	342.8	254.7	74%	2.6	7.8	0.5%	0.0%	0.2	6.1	44
	84	565.3	425.0	75%	3.3	11.5	0.1%	0.0%	0.0	13.3	49
	85	169.9	79.7	47%	3.8	10.6	0.7%	0.0%	0.0	7.0	16
	86	1,167.8	803.5	69%	3.4	19.5	0.5%	0.0%	0.0	13.5	60
	89	695.9	422.7	61%	5.8	19.9	0.4%	0.0%	0.0	10.7	35
167580	83	43.6	31.1	71%	3.3	8.7	0.3%	0.0%	0.3	2.9	5
	84	252.1	175.6	70%	2.9	11.0	0.1%	0.0%	0.1	14.1	23
	85	100.4	64.6	64%	3.1	9.1	0.3%	0.0%	0.1	3.3	11
	86	772.0	481.4	62%	4.0	22.1	0.3%	0.0%	0.0	10.0	35
	89	945.8	705.9	75%	6.0	20.6	0.2%	0.0%	0.0	15.2	46
167583	83	2.2	1.1	52%	1.0	N/A	0.6%	0.0%	0.5	0.0	<5
168570	83	1.4	0.4	32%	0.6	N/A	5.7%	0.0%	11.4	65.7	<5
168573	83	280.6	203.8	73%	2.5	8.3	0.3%	0.0%	0.6	6.5	34
	84	6.2	3.7	60%	2.1	N/A	0.0%	0.0%	0.2	4.4	<5
	85	4.4	3.9	88%	1.5	N/A	0.4%	0.0%	0.0	1.4	<5
	86	262.4	149.9	57%	2.5	12.5	0.6%	0.0%	0.0	34.6	21
	89	105.8	53.5	51%	9.6	N/A	0.8%	0.0%	0.6	18.3	<5
168580	83	874.3	689.1	79%	3.4	10.5	0.2%	0.0%	0.3	5.9	83
	84	623.8	474.0	76%	3.6	13.3	0.1%	0.0%	0.2	3.1	47
	85	73.7	51.7	70%	2.7	8.2	0.5%	0.0%	0.0	1.9	9
	86	620.0	429.8	69%	3.2	18.8	0.4%	0.0%	0.0	17.1	33
	89	1,159.3	701.5	61%	7.5	27.6	0.3%	0.0%	0.1	60.8	42

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.

December
YELLOWFIN SOLE
 Data Table

VIII-48

Table VIII.12. (Continued.)

Block	Yr	Observed Catch (mt)			Total CPUEs			Bycatch Rates (numbers/mt)			
		Total	YFin	(%)	MT Per Hour	Tow	(% by weight) Hal	Her	KC	TC	Tows
168583	84	145.6	107.3	74%	4.5	18.2	0.1%	0.0%	0.1	1.7	8
	89	10.6	7.5	71%	2.1	N/A	0.3%	0.0%	0.6	52.4	<5
168590	83	2.3	1.1	49%	0.9	N/A	0.1%	0.0%	0.0	1.3	<5
169563	86	6.0	2.3	38%	1.7	N/A	2.3%	0.0%	4.8	17.7	<5
169570	85	12.2	5.4	45%	2.3	N/A	0.7%	0.0%	0.0	10.7	<5
	86	23.0	11.6	50%	1.8	N/A	0.7%	0.0%	0.9	30.1	<5
169573	86	50.3	22.7	45%	1.8	10.1	0.9%	0.0%	0.0	47.9	5
	89	15.9	9.5	60%	N/A	N/A	0.2%	0.0%	0.2	44.8	<5
169580	83	579.8	467.4	81%	3.6	12.3	0.1%	0.0%	0.1	8.0	47
	84	192.0	145.1	76%	3.5	13.7	0.1%	0.0%	0.1	3.4	14
	85	18.3	13.0	71%	3.1	N/A	0.2%	0.0%	0.0	2.0	<5
	86	148.6	94.6	64%	1.9	7.4	0.5%	0.0%	0.0	83.1	20
	89	8.0	3.5	43%	1.8	N/A	0.2%	0.0%	0.1	532.5	<5
169583	83	40.2	32.0	80%	2.7	N/A	0.1%	0.0%	0.1	14.6	<5
	84	254.0	192.0	76%	3.3	12.7	0.1%	0.0%	0.1	3.1	20
	85	6.8	5.0	74%	2.3	N/A	0.1%	0.0%	0.0	1.8	<5
	86	37.3	23.5	63%	1.9	7.5	0.3%	0.0%	0.1	110.3	5
170580	83	14.7	12.9	88%	5.5	N/A	0.0%	0.0%	0.1	5.1	<5
	84	25.8	23.0	89%	4.2	N/A	0.0%	0.0%	0.0	62.5	<5
	86	7.2	5.0	69%	2.1	N/A	0.2%	0.0%	0.1	53.5	<5
170583	84	499.7	434.5	87%	3.9	12.8	0.1%	0.0%	0.1	25.1	39
	86	13.3	6.9	52%	1.5	N/A	0.8%	0.0%	0.2	398.3	<5
170590	84	431.1	348.8	81%	3.1	9.8	0.1%	0.0%	0.0	73.1	44
170593	84	10.4	5.0	48%	1.2	N/A	0.0%	0.0%	0.3	204.1	<5
171580	84	1.1	0.2	22%	0.9	N/A	1.7%	0.0%	1.8	2,179.1	<5
171590	84	105.2	91.1	87%	3.7	11.7	0.0%	0.0%	0.0	148.6	9
171593	84	18.6	10.1	54%	2.9	N/A	0.1%	0.0%	0.0	597.9	<5

Note: The locations of records shown in bold italics lie outside the chart boundaries in Sections III-VII.