

**Summaries of British Columbia
Herring Sampling Data for the
1982-83 Season**



L. Rosenfeld, M. Stocker, and V. Haist

Department of Fisheries and Oceans
Fisheries Research Branch
Pacific Biological Station
Nanaimo, British Columbia V9R 5K6

December 1983

**Canadian Data Report of
Fisheries and Aquatic Sciences
No. 431**



Fisheries
and Oceans

Pêches
et Océans

Canada

Canadian Data Report of Fisheries and Aquatic Sciences

These reports provide a medium for filing and archiving data compilations where little or no analysis is included. Such compilations commonly will have been prepared in support of other journal publications or reports. The subject matter of Data Reports reflects the broad interests and policies of the Department of Fisheries and Oceans, namely, fisheries management, technology and development, ocean sciences, and aquatic environments relevant to Canada.

Numbers 1-25 in this series were issued as Fisheries and Marine Service Data Records. Numbers 26-160 were issued as Department of Fisheries and the Environment, Fisheries and Marine Service Data Reports. The current series name was changed with report number 161.

The correct citation appears above the abstract of each report.

Rapport statistique canadien des sciences halieutiques et aquatiques

Ces rapports servent de base à la compilation des données de classement et d'archives pour lesquelles il y a peu ou point d'analyse. Cette compilation aura d'ordinaire été préparée pour appuyer d'autres publications ou rapports. Les sujets des Rapports statistiques reflètent la vaste gamme des intérêts et politiques du Ministère des Pêches et des Océans, notamment gestion des pêches, techniques et développement, sciences océaniques et environnements aquatiques, au Canada.

Les numéros 1 à 25 de cette série ont été publiés à titre de Records statistiques, Service des pêches et de la mer. Les numéros 26-160 ont été publiés à titre de Rapports statistiques du Service des pêches et de la mer, Ministère des Pêches et de l'Environnement. Le nom de la série a été modifié à partir du numéro 161.

Le titre exact paraît au haut du résumé de chaque rapport.

Canadian Data Report of
Fisheries and Aquatic Sciences No. 431

December 1983



SUMMARIES OF BRITISH COLUMBIA HERRING SAMPLING DATA
FOR THE 1982-83 SEASON

by

L. Rosenfeld, M. Stocker, and V. Haist

Department of Fisheries and Oceans
Fisheries Research Branch
Pacific Biological Station
Nanaimo, B.C. V9R 5K6

(c)Minister of Supply and Services Canada 1983

Cat. No. Fs 97-13/431

ISSN 0706-6465

ABSTRACT

Rosenfeld, L., M. Stocker, and V. Haist. 1983. Summaries of British Columbia herring sampling data for the 1982-83 season. Can. Data Rep. Fish. Aquat. Sci. No. 431: v + 281 p.

Age compositions and the average length and weight at age, the sex ratio, and the maturity stages of combined samples by geographical area, time period, gear type, and source are tabulated. Tables are given for two geographical groupings: statistical areas and sections.

Key words: Clupea harengus pallasii

RÉSUMÉ

Rosenfeld, L., M. Stocker, and V. Haist. 1983. Summaries of British Columbia herring sampling data for the 1982-83 season. Can. Data Rep. Fish. Aquat. Sci. No. 431: v + 281 p.

On présente sous forme de tableaux la composition par âge, la longueur et le poids moyens selon l'âge, la proportion des sexes et les stades de maturité des échantillons combinés selon la zone, la période, le type d'engin et l'origine des données. Les tableaux sont disposés en fonction de deux groupements géographiques, soit les sections et les zones statistiques.

Mots-clés: Clupea harengus pallasii

LIST OF TABLES

| | Page |
|---|------|
| Table 1. Number of herring samples collected in British Columbia for the 1982-83 season by gear type and division. | 4 |
| Table 2. Number of herring samples and number of fish collected in British Columbia for the 1982-83 season by source and division. | 5 |
| Table 3. Week numbers for Pacific herring data for the 1982-83 season. | 6 |
| Table 4. Maturity stages for Pacific herring. The descriptions of each stage are adapted from criteria developed for Atlantic herring (Bowers and Holliday 1961; Parrish and Saville 1965) and modified to suit the unique characteristics of Pacific herring which are exclusively winter-spring spawners. | 7 |
| Table 5. Seine commercial food sample summaries by area. | 9 |
| Table 6. Seine commercial food sample summaries by section. | 12 |
| Table 7. Trawl commercial food sample summaries by area. | 17 |
| Table 8. Trawl commercial food sample summaries by section. | 18 |
| Table 9. Pre-fishery charter sample summaries by area. | 20 |
| Table 10. Pre-fishery charter sample summaries by section. | 39 |
| Table 11. Seine roe fishery sample summaries by area. | 83 |
| Table 12. Seine roe fishery sample summaries by section. | 90 |
| Table 13. Gillnet roe fishery sample summaries by area. | 100 |
| Table 14. Gillnet roe fishery sample summaries by section. | 106 |
| Table 15. Seine sample summaries by section and week. | 114 |
| Table 16. Trawl sample summaries by section and week. | 235 |
| Table 17. Inshore research sample summaries by section and week. | 240 |
| Table 18. Inshore research sample summaries by area and week. | 261 |
| Table 19. Seine commercial bait sample summaries by area. | 273 |

LIST OF FIGURES

| | Page |
|---|------|
| Fig. 1. Herring sections in northern British Columbia. | 275 |
| Fig. 2. Herring sections in southern British Columbia. | 277 |
| Fig. 3. Statistical areas in northern British Columbia. | 279 |
| Fig. 4. Statistical areas in southern British Columbia. | 281 |

INTRODUCTION

Biological samples of herring are collected on an annual basis. The information obtained is used in stock assessments, and for determining stock characteristics. Length, weight, sex, maturity, age, and gonad weight, are determined for individual fish. The data are summarized in various formats for different analysis. Biological characteristics are summarized in this report by various geographical groupings, time periods, gear types, and source types. This information is used by fishery managers in the field prior to and during fisheries in their respective areas.

The sampling data also form an integral part of Hourston's stock assessment method (Hourston and Schweigert 1981). Estimates of the age composition, the average length, average weight, and percent females at age in the catch summarized by section, week, and gear are calculated by computer analysis. These summaries combined with estimates of spawning escapements from egg depositions are added to an ongoing inventory of the stocks. The sampling information is also used for alternative stock assessment methods (Stocker et al. 1983).

Detailed sampling data have been archived since the 1950-51 season (Hourston and Isaacson 1972). Individual fish records are maintained on permanent computer files providing a 33-year series of data accessible for analyses and modelling.

METHODS

COLLECTION AND PROCESSING OF SAMPLES

Samples are collected from a variety of sources with the majority obtained from commercial catches and from pre-fishery charter and research cruises. Port samplers collect catch samples for all major fisheries from vessels unloading at processing plants. The objective of the catch sampling program is to obtain 10 samples from each seine roe fishery and six samples from each gillnet roe fishery. When the fisheries occur over relatively large geographical areas or over a number of days an attempt is made to collect samples throughout the range of the fishery.

Samples from the test fisheries are collected by fisheries officers aboard the pre-fishery charter vessels. Research samples, primarily from the herring tagging program, are collected by staff of the Pacific Biological Station.

Samples are frozen on board vessels or at district offices and later shipped to the Pacific Biological Station where they are processed following standard procedures described by Hourston and Miller (1980).

DATA COMPILATION AND SCREENING

The recorded data are entered onto computer tapes. The data are screened by computer for relationships between age, length, and weight which are outside the normal range for the coast as a whole (mean \pm 2 standard deviations). Anomalies are listed and the associated data checked for possible errors in recording or coding.

RESULTS

Number of herring samples collected in British Columbia for the 1982-83 season are summarized by gear type and division (Table 1). Number of samples and number of fish collected are also summarized by source and statistical area (Table 2).

The summary reports include various groupings of samples by geographical area, time period, gear type, and source (Tables 5-19). The two levels of geographic grouping used are sections (Figs. 1 and 2) and statistical areas (Figs. 3 and 4). The time periods used are weeks (Table 3) and season.

Each summary contains information on the age composition, the average length and weight at age, the sex ratio, and the maturity stages of the combined samples in that report. Female roe maturity is defined as:

- immature - Hjort stages 1-4 (Table 4)
- mature - Hjort stages 5-6 (Table 4)
- spent - Hjort stages 7-8 (Table 4)

Fish classified as immature in estimating the sex ratio are those whose gonads are not developed for distinguishing their sex.

ACKNOWLEDGMENTS

Bruce McCarter kept track of all the samples. We thank Margret Burke and the Fish Ageing Unit for determining the ages. Unicore Services Ltd. collected and processed the samples. The figures were prepared by Doug Miller.

REFERENCES

- Bowers, A. B. and F. G. T. Holiday. 1961. Historical changes in the gonad associated with the reproductive cycle of the herring (Clupea harengus L.). Mar. Res. Scot. No. 5: 16 p.
- Hourston, A. S. and R. S. K. Isaacson. 1972. British Columbia herring sampling data, 1950-51 to 1969-70 (in 20 parts). Fish. Res. Board Can. MS Rep. 1185: 3269 p.
- Hourston, A. S. and D. C. Miller. 1980. Procedures for sampling herring at the Pacific Biological Station. Can. MS Rep. Fish. Aquat. Sci. 1554: 23 p.
- Hourston, A. S. and J. F. Schweigert. 1981. Procedures for assessing and forecasting British Columbia herring stocks from catch, sampling and spawn deposition data. Can. Tech. Rep. Fish. Aquat. Sci. 1000: 58 p.
- Parrish, B. B. and A. Saville. 1965. The biology of the north-east Atlantic herring populations. Oceanog. Mar. Biol. Annu. Rev. 3: 323-373.
- Stocker, M. V. Haist and D. Fournier. 1983. Stock assessments for British Columbia herring in 1982 and forecasts of the potential catch in 1983. Can. Tech. Rep. Fish. Aquat. Sci. 1158: 53 p.

TABLE 1. Number of herring samples collected in British Columbia for the 1982-83 season by gear type and division.

| Gear type | Queen Charlotte Islands | North Coast | Central Coast | Johnstone Strait | Gulf of Georgia | West Coast Vancouver Island | All |
|---------------|-------------------------------|----------------|------------------|---------------------|--------------------|-----------------------------------|-----|
| Gillnet | 13 | | 25 | | 6 | 7 | 51 |
| Herring seine | 73 | 55 | 61 | 22 | 202 | 39 | 452 |
| Herring trawl | | | | | 6 | | 6 |
| Other | 2 | | | 1 | | 2 | 5 |
| All | 88 | 55 | 86 | 23 | 214 | 48 | 514 |

Table 2. Number of herring samples and number of fish collected in British Columbia for the 1982-83 season by source and division.

| | Roe fishery | | | Food fishery | | | Inshore research | | | Pre-fish charter | | | Other | | | All | | |
|---|----------------|-------------|-----------|----------------|-------------|-----------|------------------|-------------|-----------|------------------|-------------|-----------|----------------|-------------|-----------|----------------|-------------|-----------|
| | No. of samples | No. of fish | Fish aged | No. of samples | No. of fish | Fish aged | No. of samples | No. of fish | Fish aged | No. of samples | No. of fish | Fish aged | No. of samples | No. of fish | Fish aged | No. of samples | No. of fish | Fish aged |
| Area 2W | 12 | 1196 | 1040 | | | | | | | 26 | 2513 | 2395 | | | | 38 | 3709 | 3435 |
| Area 1 | | | | 9 | 789 | 595 | | | | | | | | | | 9 | 789 | 595 |
| Area 2E | 23 | 2281 | 1662 | | | | | | | 11 | 1094 | 1026 | 7 | 666 | 623 | 41 | 4041 | 3311 |
| Queen Charlotte Islands Division total | 35 | 3477 | 2702 | 9 | 789 | 595 | | | | 37 | 3607 | 3421 | 7 | 666 | 623 | 88 | 8539 | 7341 |
| Area 3 | | | | | | | | | | 29 | 2895 | 2659 | | | | 29 | 2895 | 2659 |
| Area 4 | | | | | | | | | | 5 | 499 | 454 | | | | 5 | 499 | 454 |
| Area 5 | | | | | | | | | | 21 | 2094 | 1919 | | | | 21 | 2094 | 1919 |
| North Coast Division total | | | | | | | | | | 55 | 5488 | 5032 | | | | 55 | 5488 | 5032 |
| Area 6 | 7 | 698 | 472 | | | | | | | 11 | 1047 | 967 | | | | 18 | 1745 | 1439 |
| Area 7 | 33 | 3295 | 2688 | | | | | | | 34 | 3277 | 3086 | | | | 67 | 6572 | 5774 |
| Area 8 | | | | | | | | | | 1 | 100 | 96 | | | | 1 | 100 | 96 |
| Central Division total | 40 | 3993 | 3160 | | | | | | | 46 | 4424 | 4149 | | | | 86 | 8417 | 7309 |
| Area 12 | | | | | | | | | | 2 | 200 | 191 | 1 | 97 | 89 | 3 | 297 | 280 |
| Area 13 | | | | 2 | 197 | 180 | 12 | 1180 | 1022 | 6 | 596 | 539 | | | | 20 | 1973 | 1741 |
| Johnstone Strait Division total | | | | 2 | 197 | 180 | 12 | 1180 | 1022 | 8 | 796 | 730 | 1 | 97 | 89 | 23 | 2270 | 2021 |
| Area 14 | 17 | 1687 | 1366 | | | | | | | 13 | 1294 | 1123 | | | | 30 | 2981 | 2489 |
| Area 15 | 15 | 1499 | 1372 | | | | | | | 43 | 4256 | 3955 | | | | 58 | 5755 | 5327 |
| Area 16 | | | | | | | | | | 6 | 593 | 527 | | | | 6 | 593 | 527 |
| Area 17 | 10 | 995 | 857 | 26 | 2582 | 1910 | 45 | 4425 | 3504 | 28 | 2760 | 2413 | 1 | 100 | 76 | 110 | 10862 | 8760 |
| Area 18 | | | | | | | | | | 6 | 592 | 489 | | | | 6 | 592 | 489 |
| Area 19 | | | | | | | | | | 4 | 399 | 276 | | | | 4 | 399 | 276 |
| Gulf of Georgia Division total | 42 | 4181 | 3595 | 26 | 2582 | 1910 | 49 | 4824 | 3780 | 96 | 9495 | 8507 | 1 | 100 | 76 | 214 | 21182 | 17868 |
| Area 23 | 10 | 917 | 809 | | | | | | | 12 | 1174 | 1040 | | | | 22 | 2091 | 1849 |
| Area 24 | | | | | | | | | | 12 | 1194 | 1093 | | | | 12 | 1194 | 1093 |
| Area 25 | 6 | 598 | 519 | | | | | | | 5 | 500 | 444 | | | | 11 | 1098 | 963 |
| Area 27 | 1 | 100 | 80 | | | | | | | 2 | 105 | 101 | | | | 3 | 205 | 181 |
| WCVI Division total | 17 | 1615 | 1408 | | | | | | | 31 | 2973 | 2678 | | | | 48 | 4588 | 4086 |
| Total for coast | 134 | 13266 | 10865 | 37 | 3568 | 2685 | 61 | 6004 | 4802 | 273 | 26783 | 24517 | 9 | 863 | 788 | 514 | 50484 | 43657 |

TABLE 3. Week numbers for Pacific herring data for the 1982-83 season.

| Number | Dates | Number | Dates |
|--------|-----------------|--------|----------------|
| 1 | July 1-3 | 27 | Dec. 26-Jan. 1 |
| 2 | July 4-10 | 28 | Jan. 2-8 |
| 3 | July 11-17 | 29 | Jan. 9-15 |
| 4 | July 18-24 | 30 | Jan. 16-22 |
| 5 | July 25-31 | 31 | Jan. 23-29 |
| 6 | Aug. 1-7 | 32 | Jan. 30-Feb. 5 |
| 7 | Aug. 8-14 | 33 | Feb. 6-12 |
| 8 | Aug. 15-21 | 34 | Feb. 13-19 |
| 9 | Aug. 22-28 | 35 | Feb. 20-26 |
| 10 | Aug. 29-Sept. 4 | 36 | Feb. 27-Mar. 5 |
| 11 | Sept. 5-11 | 37 | Mar. 6-12 |
| 12 | Sept. 12-18 | 38 | Mar. 13-19 |
| 13 | Sept. 19-25 | 39 | Mar. 20-26 |
| 14 | Sept. 26-Oct. 2 | 40 | Mar. 27-Apr. 2 |
| 15 | Oct. 3-9 | 41 | Apr. 3-9 |
| 16 | Oct. 10-16 | 42 | Apr. 10-16 |
| 17 | Oct. 17-23 | 43 | Apr. 17-23 |
| 18 | Oct. 24-30 | 44 | Apr. 24-30 |
| 19 | Oct. 31-Nov. 6 | 45 | May 1-7 |
| 20 | Nov. 7-13 | 46 | May 8-14 |
| 21 | Nov. 14-20 | 47 | May 15-21 |
| 22 | Nov. 21-27 | 48 | May 22-28 |
| 23 | Nov. 28-Dec. 4 | 49 | May 29-Jun. 4 |
| 24 | Dec. 5-11 | 50 | Jun. 5-11 |
| 25 | Dec. 12-18 | 51 | Jun. 12-18 |
| 26 | Dec. 19-25 | 52 | Jun. 19-25 |
| | | 53 | Jun. 26-30 |

Table 4. Maturity stages for Pacific herring. The descriptions of each stage are adapted from criteria developed for Atlantic herring (Bowers and Holliday 1961; Parrish and Saville 1965) and modified to suit the unique characteristics of Pacific herring which are exclusively winter-spring spawners.

| Stage | State of maturity | Gonad appearance | Description | Timing |
|-------|-------------------|------------------|--|--|
| I. | Undeveloped | Thread-shaped | Virgin herring with small gonads, less than 2 mm broad. Accurate macroscopic determination of sex not usually possible. | Year-round for young herring, usually less than 150 mm in standard length. |
| II. | Starting | Ribbon-shaped | Gonads increased in breadth to 3-5 mm. Sex determination possible. Testes reddish-gray colored and knife-shaped; ovaries reddish-wine colored and rounder. (The gonads of virgins and some repeat spawners cannot be distinguished macroscopically.) | Late spring and early summer. |
| III. | Developing | Tube-like | Gonads thickened, increased in breadth (5-15 mm) and elongated, but not extending full length of body cavity. Ovaries red to reddish-orange with granular appearance; testes reddish-gray with smooth texture. | Late summer and early fall. |
| IV. | Maturing | Prominent | Gonads extend full length of body cavity. Ovaries reddish-orange to yellow; eggs distinguishable, opaque, variable in size and separable. Testes mostly grey; and will ooze sperm if sliced with a knife. Blood vessels clearly visible in the ovary and testes walls. | Late fall and early winter (slightly earlier in males than females). |

Table 4 (cont'd)

| Stage | State of maturity | Gonad appearance | Description | Timing |
|-------|-------------------|------------------|---|--|
| V. | Mature | Bulging | No blood vessels visible in gonad walls. Ovaries gold-yellow; eggs mostly transparent and uniform in size. Eggs can be exuded from the ovary under pressure and are adhesive on contact. Testes milk-white; sperm will flow under pressure. | Early winter for males, late winter for females. |
| VI. | Ripe | Running | Eggs transparent. Eggs and sperm flow easily without external pressure. | A few days prior to spawning (usually in late winter or early spring). |
| VII. | Spent | Baggy | Gonads slack. Ovaries may contain a few residual eggs. Testes limp and bloodshot. | Early spring for the first few weeks following spawning. |
| VIII. | Recovering | Compressed | Gonads wine-colored and usually longer and thicker than in Stage II. Blood vessels prominent. (This stage passes into Stage III, but may resemble Stage II in the process.) | Late spring and early summer. |

TABLE 5 SEINE COMMERCIAL FOOD SAMPLE SUMMARIES BY AREA
 =====

AREA: 1 - NORTH COAST Q.C.I.

SAMPLE NUMBERS: 69, 71, 75, 65, 68, 73, 76, 74, 77

SOURCE: FOOD FISHERY

GEAR: HERRING SEINE

DATE: NOV 22/82 - NOV 30/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 38 | 38 | 101 | 32 | 318 | 27 | 11 | 16 | 14 | 194 | 789 |
| % AT AGE | 0.00 | 6.39 | 6.39 | 16.97 | 5.38 | 53.45 | 4.54 | 1.85 | 2.69 | 2.35 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 157.32 | 185.97 | 204.61 | 213.13 | 224.16 | 232.41 | 244.82 | 245.44 | 251.57 | 216.13 | 215.67 |
| - STD. DEV. | 0.00 | 7.41 | 9.87 | 11.46 | 8.26 | 9.21 | 9.75 | 14.81 | 12.87 | 11.53 | 16.97 | 21.37 |
| WEIGHT - MEAN(gm) | 0.00 | 59.13 | 101.21 | 137.57 | 154.50 | 186.48 | 206.81 | 222.73 | 230.44 | 237.71 | 168.63 | 167.29 |
| - STD. DEV. | 0.00 | 9.17 | 16.32 | 24.03 | 16.35 | 23.41 | 21.14 | 31.78 | 31.58 | 24.71 | 36.93 | 44.95 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 28 | 240 | 484 | 37 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 3.55 | 30.42 | 61.34 | 4.69 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 397 | 1 | 0 | 398 |
| % | 99.75 | 0.25 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 388 | 398 | 2 | 788 |
| % | 49.24 | 50.51 | 0.25 | 100.00 |
| MEAN WEIGHT | 165.08 | 169.45 | 171.50 | 167.30 |
| % SAMP. WT. | 48.58 | 51.16 | 0.26 | 100.00 |

TABLE 5 (CONT.) SEINE COMMERCIAL FOOD SAMPLE SUMMARIES BY AREA
 =====

AREA: 13 - QUATHIASKI

SAMPLE NUMBERS: 86, 85

SOURCE: FOOD FISHERY

GEAR: HERRING SEINE

DATE: NOV 23/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 49 | 85 | 25 | 14 | 5 | 0 | 2 | 0 | 0 | 17 | 197 |
| % AT AGE | 0.00 | 27.22 | 47.22 | 13.89 | 7.78 | 2.78 | 0.00 | 1.11 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 148.59 | 173.46 | 178.40 | 186.29 | 188.20 | 0.00 | 203.50 | 0.00 | 0.00 | 167.65 | 168.99 |
| - STD. DEV. | 0.00 | 12.11 | 13.45 | 12.67 | 12.82 | 11.45 | 0.00 | 4.95 | 0.00 | 0.00 | 20.78 | 18.68 |
| WEIGHT - MEAN(gm) | 0.00 | 48.78 | 81.62 | 91.36 | 101.36 | 106.00 | 0.00 | 151.00 | 0.00 | 0.00 | 81.76 | 77.43 |
| - STD. DEV. | 0.00 | 13.87 | 19.13 | 24.16 | 24.27 | 26.20 | 0.00 | 9.90 | 0.00 | 0.00 | 34.13 | 27.94 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|-------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 47 | 116 | 33 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.51 | 23.86 | 58.88 | 16.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 89 | 0 | 0 | 89 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 108 | 89 | 0 | 197 |
| % | 54.82 | 45.18 | 0.00 | 100.00 |
| MEAN WEIGHT | 80.21 | 74.04 | 0.00 | 77.43 |
| % SAMP. WT. | 56.80 | 43.20 | 0.00 | 100.00 |

TABLE 5 (CONT.) SEINE COMMERCIAL FOOD SAMPLE SUMMARIES BY AREA

=====

AREA: 17 - NANAIMO

SAMPLE NUMBERS: 15, 37, 45, 16, 38, 39, 18, 40, 17, 6,
41, 20, 25, 21, 12, 44, 36, 28, 9, 43,
33

SOURCE: FOOD FISHERY

GEAR: HERRING SEINE

DATE: NOV 22/82 - DEC 1/82

SPECIMENS AT EACH AGE:

=====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 11 | 251 | 482 | 378 | 206 | 77 | 89 | 44 | 9 | 539 | 2086 |
| % AT AGE | 0.00 | 0.71 | 16.22 | 31.16 | 24.43 | 13.32 | 4.98 | 5.75 | 2.84 | 0.58 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 167.27 | 188.52 | 203.36 | 210.62 | 216.30 | 219.32 | 226.87 | 232.00 | 236.00 | 204.70 | 206.66 |
| - STD. DEV. | 0.00 | 8.67 | 9.35 | 8.09 | 7.69 | 7.87 | 7.03 | 7.83 | 7.36 | 11.70 | 14.11 | 14.28 |
| WEIGHT - MEAN(gm) | 0.00 | 73.55 | 106.11 | 135.32 | 153.81 | 167.20 | 175.03 | 195.36 | 207.05 | 210.11 | 140.23 | 145.11 |
| - STD. DEV. | 0.00 | 9.03 | 15.52 | 16.69 | 18.06 | 17.94 | 18.28 | 18.98 | 20.21 | 23.80 | 30.16 | 31.58 |

HJORT MATURITY STAGES:

=====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 1 | 16 | 918 | 1147 | 3 | 0 | 0 | 1 | 0 |
| % AT STAGE | 0.05 | 0.77 | 44.01 | 54.99 | 0.14 | 0.00 | 0.00 | 0.05 | 0.00 |

ROE MATURITY (FEMALE):

=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 1000 | 1 | 1 | 1002 |
| % | 99.80 | 0.10 | 0.10 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:

=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 1082 | 1002 | 0 | 2084 |
| % | 51.92 | 48.08 | 0.00 | 100.00 |
| MEAN WEIGHT | 143.63 | 146.71 | 0.00 | 145.11 |
| % SAMP. WT. | 51.39 | 48.61 | 0.00 | 100.00 |

TABLE 6 SEINE COMMERCIAL FOOD SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 11 - OTHER AREA 1

SAMPLE NUMBERS: 69, 71, 75, 65, 68, 73, 76, 74

SOURCE: FOOD FISHERY

GEAR: HERRING SEINE

DATE: NOV 22/82 - NOV 30/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 6 | 26 | 76 | 30 | 300 | 27 | 11 | 15 | 12 | 187 | 690 |
| % AT AGE | 0.00 | 1.19 | 5.17 | 15.11 | 5.96 | 59.64 | 5.37 | 2.19 | 2.98 | 2.39 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 153.83 | 188.85 | 208.16 | 213.60 | 224.51 | 232.41 | 244.82 | 246.60 | 251.25 | 217.50 | 219.96 |
| - STD. DEV. | 0.00 | 3.97 | 8.62 | 8.86 | 7.70 | 9.08 | 9.75 | 14.81 | 12.43 | 12.50 | 14.92 | 16.53 |
| WEIGHT - MEAN (gm) | 0.00 | 52.50 | 104.88 | 143.80 | 154.93 | 187.76 | 206.81 | 222.73 | 234.73 | 239.08 | 171.27 | 175.94 |
| - STD. DEV. | 0.00 | 7.82 | 14.34 | 19.88 | 16.46 | 22.98 | 21.14 | 31.78 | 27.43 | 26.55 | 33.46 | 37.31 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 7 | 200 | 448 | 35 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 1.01 | 28.99 | 64.93 | 5.07 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 342 | 1 | 0 | 343 |
| % | 99.71 | 0.29 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 344 | 343 | 2 | 689 |
| % | 49.93 | 49.78 | 0.29 | 100.00 |
| MEAN WEIGHT | 172.18 | 179.78 | 171.50 | 175.96 |
| % SAMP. WT. | 48.85 | 50.86 | 0.28 | 100.00 |

TABLE 6 (CONT.) SEINE COMMERCIAL FOOD SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 12 - NADEN HARBOUR

SAMPLE NUMBERS: 77

SOURCE: FOOD FISHERY

GEAR: HERRING SEINE

DATE: NOV 28/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|------|------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 32 | 12 | 25 | 2 | 18 | 0 | 0 | 1 | 2 | 7 | 99 |
| % AT AGE | 0.00 | 34.78 | 13.04 | 27.17 | 2.17 | 19.57 | 0.00 | 0.00 | 1.09 | 2.17 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 157.97 | 179.75 | 193.84 | 206.00 | 218.28 | 0.00 | 0.00 | 228.00 | 253.50 | 179.71 | 185.78 |
| - STD. DEV. | 0.00 | 7.76 | 9.85 | 11.88 | 16.97 | 9.71 | 0.00 | 0.00 | 0.00 | 0.71 | 27.46 | 26.84 |
| WEIGHT - MEAN (gm) | 0.00 | 60.38 | 93.25 | 118.64 | 148.00 | 165.11 | 0.00 | 0.00 | 166.00 | 229.50 | 98.14 | 107.04 |
| - STD. DEV. | 0.00 | 8.97 | 18.10 | 25.95 | 18.38 | 20.42 | 0.00 | 0.00 | 0.00 | 4.95 | 56.11 | 47.60 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|-------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 21 | 40 | 36 | 2 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 21.21 | 40.40 | 36.36 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 55 | 0 | 0 | 55 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

| SEX RATIO: ===== | SEX RATIO: | | | |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 44 | 55 | 0 | 99 |
| % | 44.44 | 55.56 | 0.00 | 100.00 |
| MEAN WEIGHT | 109.55 | 105.04 | 0.00 | 107.04 |
| % SAMP. WT. | 45.48 | 54.52 | 0.00 | 100.00 |

TABLE 6 (CONT.) SEINE COMMERCIAL FOOD SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 132 - KANISH BAY
 SAMPLE NUMBERS: 86, 85
 SOURCE: FOOD FISHERY
 GEAR: HERRING SEINE
 DATE: NOV 23/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 49 | 85 | 25 | 14 | 5 | 0 | 2 | 0 | 0 | 17 | 197 |
| % AT AGE | 0.00 | 27.22 | 47.22 | 13.89 | 7.78 | 2.78 | 0.00 | 1.11 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 148.59 | 173.46 | 178.40 | 186.29 | 188.20 | 0.00 | 203.50 | 0.00 | 0.00 | 167.65 | 168.99 |
| - STD. DEV. | 0.00 | 12.11 | 13.45 | 12.67 | 12.82 | 11.45 | 0.00 | 4.95 | 0.00 | 0.00 | 20.78 | 18.68 |
| WEIGHT - MEAN(gm) | 0.00 | 48.78 | 81.62 | 91.36 | 101.36 | 106.00 | 0.00 | 151.00 | 0.00 | 0.00 | 81.76 | 77.43 |
| - STD. DEV. | 0.00 | 13.87 | 19.13 | 24.16 | 24.27 | 26.20 | 0.00 | 9.90 | 0.00 | 0.00 | 34.13 | 27.94 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|-------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 47 | 116 | 33 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.51 | 23.86 | 58.88 | 16.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 89 | 0 | 0 | 89 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

| SEX RATIO: ===== | SEX RATIO: | | | |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 108 | 89 | 0 | 197 |
| % | 54.82 | 45.18 | 0.00 | 100.00 |
| MEAN WEIGHT | 80.21 | 74.04 | 0.00 | 77.43 |
| % SAMP. WT. | 56.80 | 43.20 | 0.00 | 100.00 |

TABLE 6 (CONT.) SEINE COMMERCIAL FOOD SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 37, 45, 16, 39, 18, 40, 17, 6, 41, 20,
 21, 12, 44, 36, 9, 43

SOURCE: FOOD FISHERY

GEAR: HERRING SEINE

DATE: NOV 22/82 - DEC 1/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 9 | 169 | 379 | 302 | 152 | 69 | 76 | 35 | 7 | 394 | 1592 |
| % AT AGE | 0.00 | 0.75 | 14.11 | 31.64 | 25.21 | 12.69 | 5.76 | 6.34 | 2.92 | 0.58 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 167.67 | 189.22 | 203.43 | 210.74 | 216.03 | 218.68 | 226.64 | 232.23 | 237.71 | 205.93 | 207.48 |
| - STD. DEV. | 0.00 | 9.62 | 9.12 | 7.91 | 7.55 | 7.49 | 6.75 | 8.12 | 6.17 | 12.93 | 12.42 | 13.53 |
| WEIGHT - MEAN(gm) | 0.00 | 74.00 | 108.09 | 136.35 | 154.31 | 167.28 | 173.88 | 195.04 | 205.74 | 213.71 | 143.51 | 147.42 |
| - STD. DEV. | 0.00 | 10.00 | 15.30 | 16.61 | 17.91 | 17.02 | 18.57 | 19.30 | 18.78 | 22.43 | 27.92 | 30.35 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 1 | 10 | 652 | 925 | 3 | 0 | 0 | 1 | 0 |
| % AT STAGE | 0.06 | 0.63 | 40.95 | 58.10 | 0.19 | 0.00 | 0.00 | 0.06 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 759 | 1 | 1 | 761 |
| % | 99.74 | 0.13 | 0.13 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 829 | 761 | 0 | 1590 |
| % | 52.14 | 47.86 | 0.00 | 100.00 |
| MEAN WEIGHT | 145.83 | 149.18 | 0.00 | 147.43 |
| % SAMP. WT. | 51.57 | 48.43 | 0.00 | 100.00 |

TABLE 6 (CONT.) SEINE COMMERCIAL FOOD SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 173 - YELLOW POINT
 SAMPLE NUMBERS: 33, 28, 25, 38, 15
 SOURCE: FOOD FISHERY
 GEAR: HERRING SEINE
 DATE: NOV 22/82 - NOV 30/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 2 | 82 | 103 | 76 | 54 | 8 | 13 | 9 | 2 | 145 | 494 |
| % AT AGE | 0.00 | 0.57 | 23.50 | 29.51 | 21.78 | 15.47 | 2.29 | 3.72 | 2.58 | 0.57 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 165.50 | 187.07 | 203.13 | 210.16 | 217.06 | 224.88 | 228.15 | 231.11 | 230.00 | 201.36 | 204.02 |
| - STD. DEV. | 0.00 | 2.12 | 9.70 | 8.71 | 8.27 | 8.89 | 7.36 | 5.97 | 11.31 | 0.00 | 17.51 | 16.20 |
| WEIGHT - MEAN(gm) | 0.00 | 71.50 | 102.02 | 131.50 | 151.82 | 166.98 | 184.88 | 197.23 | 212.11 | 197.50 | 131.31 | 137.64 |
| - STD. DEV. | 0.00 | 2.12 | 15.28 | 16.51 | 18.62 | 20.48 | 12.45 | 17.56 | 25.71 | 33.23 | 34.07 | 34.26 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 6 | 266 | 222 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 1.21 | 53.85 | 44.94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 241 | 0 | 0 | 241 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

| SEX RATIO: ===== | SEX RATIO: | | | |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 253 | 241 | 0 | 494 |
| % | 51.21 | 48.79 | 0.00 | 100.00 |
| MEAN WEIGHT | 136.42 | 138.93 | 0.00 | 137.64 |
| % SAMP. WT. | 50.76 | 49.24 | 0.00 | 100.00 |

TABLE 7 TRAWL COMMERCIAL FOOD SAMPLE SUMMARIES BY AREA
 =====

AREA: 17 - NANAIMO
 SAMPLE NUMBERS: 13, 42, 46, 19, 35
 SOURCE: FOOD FISHERY
 GEAR: HERRING TRAWL
 DATE: NOV 23/82 - DEC 1/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 4 | 67 | 129 | 66 | 46 | 16 | 19 | 14 | 2 | 133 | 496 |
| % AT AGE | 0.00 | 1.10 | 18.46 | 35.54 | 18.18 | 12.67 | 4.41 | 5.23 | 3.86 | 0.55 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 166.25 | 186.49 | 202.71 | 211.71 | 220.59 | 227.50 | 228.47 | 230.86 | 231.50 | 203.62 | 206.02 |
| - STD. DEV. | 0.00 | 5.06 | 9.33 | 8.10 | 7.84 | 6.26 | 7.24 | 9.09 | 8.97 | 0.71 | 16.01 | 16.21 |
| WEIGHT - MEAN (gm) | 0.00 | 72.25 | 105.21 | 133.56 | 156.50 | 175.26 | 191.56 | 196.21 | 197.79 | 192.50 | 139.38 | 144.04 |
| - STD. DEV. | 0.00 | 9.71 | 16.57 | 14.08 | 19.29 | 19.04 | 18.85 | 18.96 | 24.84 | 19.09 | 32.58 | 33.97 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 3 | 274 | 219 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.60 | 55.24 | 44.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 263 | 0 | 0 | 263 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

| SEX RATIO: ===== | SEX RATIO: | | | TOTAL |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | |
| NO. | 233 | 263 | 0 | 496 |
| % | 46.98 | 53.02 | 0.00 | 100.00 |
| MEAN WEIGHT | 139.52 | 148.04 | 0.00 | 144.04 |
| % SAMP. WT. | 45.50 | 54.50 | 0.00 | 100.00 |

TABLE 8 TRAWL COMMERCIAL FOOD SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 13, 42, 46

SOURCE: FOOD FISHERY

GEAR: HERRING TRAWL

DATE: NOV 23/82 - DEC 1/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 2 | 24 | 77 | 48 | 26 | 10 | 16 | 8 | 2 | 83 | 296 |
| % AT AGE | 0.00 | 0.94 | 11.27 | 36.15 | 22.54 | 12.21 | 4.69 | 7.51 | 3.76 | 0.94 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 164.00 | 186.71 | 201.87 | 211.77 | 220.69 | 228.20 | 230.00 | 231.38 | 231.50 | 207.49 | 208.63 |
| - STD. DEV. | 0.00 | 5.66 | 10.45 | 7.91 | 7.23 | 5.19 | 8.02 | 7.52 | 11.50 | 0.71 | 12.89 | 14.97 |
| WEIGHT - MEAN(gm) | 0.00 | 69.00 | 106.79 | 135.19 | 158.79 | 177.96 | 194.00 | 198.25 | 190.75 | 192.50 | 146.36 | 150.44 |
| - STD. DEV. | 0.00 | 11.31 | 15.93 | 14.34 | 18.08 | 16.69 | 22.35 | 13.38 | 23.97 | 19.09 | 28.26 | 31.59 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 3 | 189 | 104 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 1.01 | 63.85 | 35.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: ===== | | | | | | | | |
|---------------------------------|---------------------|--------|-------|--------|-------------|--------|----------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL | |
| NO. | 161 | 0 | 0 | 161 | NO. | 135 | 161 | 0 | 296 |
| % | 100.00 | 0.00 | 0.00 | 100.00 | % | 45.61 | 54.39 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 | MEAN WEIGHT | 145.44 | 154.64 | 0.00 | 150.44 |
| | | | | | % SAMP. WT. | 44.09 | 55.91 | 0.00 | 100.00 |

TABLE 8 (CONT.) TRAWL COMMERCIAL FOOD SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 173 - YELLOW POINT

SAMPLE NUMBERS: 19, 35

SOURCE: FOOD FISHERY

GEAR: HERRING TRAWL

DATE: NOV 26/82 - NOV 29/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 2 | 43 | 52 | 18 | 20 | 6 | 3 | 6 | 0 | 50 | 200 |
| % AT AGE | 0.00 | 1.33 | 28.67 | 34.67 | 12.00 | 13.33 | 4.00 | 2.00 | 4.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 168.50 | 186.37 | 203.94 | 211.56 | 220.45 | 226.33 | 220.33 | 230.17 | 0.00 | 197.18 | 202.16 |
| - STD. DEV. | 0.00 | 4.95 | 8.78 | 8.30 | 9.53 | 7.58 | 6.22 | 14.22 | 4.79 | 0.00 | 18.57 | 17.20 |
| WEIGHT - MEAN(gm) | 0.00 | 75.50 | 104.33 | 131.13 | 150.39 | 171.75 | 187.50 | 185.33 | 207.17 | 0.00 | 127.80 | 134.56 |
| - STD. DEV. | 0.00 | 10.61 | 17.03 | 13.46 | 21.57 | 21.65 | 11.62 | 41.00 | 24.80 | 0.00 | 36.11 | 35.22 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 85 | 115 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 42.50 | 57.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 102 | 0 | 0 | 102 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 98 | 102 | 0 | 200 |
| % | 49.00 | 51.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 131.37 | 137.63 | 0.00 | 134.56 |
| % SAMP. WT. | 47.84 | 52.16 | 0.00 | 100.00 |

TABLE 9 PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA
 =====

AREA: 2W - WEST COAST Q.C.I.

SAMPLE NUMBERS: 115,194,185,118,147,213,132,191,114,123,
 180,196,264,176,186,386,183, 97,206,177,
 208,256,189,181,139, 98

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 1/83 - MAR 23/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 38 | 33 | 1148 | 61 | 992 | 72 | 23 | 16 | 12 | 118 | 2513 |
| % AT AGE | 0.00 | 1.59 | 1.38 | 47.93 | 2.55 | 41.42 | 3.01 | 0.96 | 0.67 | 0.50 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 171.24 | 190.88 | 206.29 | 211.74 | 220.94 | 229.47 | 234.00 | 237.44 | 245.25 | 211.55 | 213.02 |
| - STD. DEV. | 0.00 | 7.53 | 11.01 | 10.51 | 9.90 | 10.33 | 11.48 | 14.01 | 14.72 | 11.50 | 18.00 | 14.79 |
| WEIGHT - MEAN(gm) | 0.00 | 71.42 | 106.18 | 143.40 | 158.21 | 177.96 | 198.15 | 206.04 | 199.81 | 224.25 | 155.08 | 159.26 |
| - STD. DEV. | 0.00 | 12.51 | 19.78 | 24.78 | 24.23 | 27.25 | 32.39 | 30.32 | 30.07 | 18.40 | 41.56 | 34.95 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 1 | 0 | 2 | 565 | 1504 | 338 | 102 | 0 | 1 |
| % AT STAGE | 0.04 | 0.00 | 0.08 | 22.48 | 59.85 | 13.45 | 4.06 | 0.00 | 0.04 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 523 | 809 | 38 | 1370 |
| % | 38.18 | 59.05 | 2.77 | 100.00 |
| % SAMPLE WEIGHT | 8.47 | 17.83 | 0.09 | 26.39 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 1141 | 1370 | 2 | 2513 |
| % | 45.40 | 54.52 | 0.08 | 100.00 |
| MEAN WEIGHT | 147.99 | 168.69 | 131.00 | 159.26 |
| % SAMP. WT. | 42.19 | 57.74 | 0.07 | 100.00 |

TABLE 9 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA
 =====

AREA: 2E - EAST COAST Q.C.I.

SAMPLE NUMBERS: 95,281,214,190,102,197,101,232,204,198,
 295

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 7/83 - MAR 28/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 52 | 66 | 43 | 70 | 712 | 47 | 21 | 11 | 4 | 68 | 1094 |
| % AT AGE | 0.00 | 5.07 | 6.43 | 4.19 | 6.82 | 69.40 | 4.58 | 2.05 | 1.07 | 0.39 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 166.50 | 181.36 | 196.40 | 205.50 | 209.96 | 217.60 | 224.90 | 234.45 | 244.75 | 203.32 | 205.92 |
| - STD. DEV. | 0.00 | 6.62 | 11.21 | 10.54 | 8.44 | 9.23 | 10.84 | 11.12 | 14.04 | 5.25 | 14.54 | 15.72 |
| WEIGHT - MEAN(gm) | 0.00 | 71.12 | 97.74 | 124.79 | 140.61 | 153.89 | 166.19 | 180.52 | 199.45 | 214.75 | 139.37 | 145.39 |
| - STD. DEV. | 0.00 | 9.87 | 17.08 | 17.78 | 18.55 | 22.30 | 30.09 | 22.40 | 31.71 | 21.82 | 31.65 | 32.48 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 1 | 60 | 947 | 84 | 2 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.09 | 5.48 | 86.56 | 7.68 | 0.18 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 40 | 516 | 1 | 557 |
| % | 7.18 | 92.64 | 0.18 | 100.00 |
| % SAMPLE WEIGHT | 1.45 | 26.75 | 0.00 | 28.20 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 537 | 557 | 0 | 1094 |
| % | 49.09 | 50.91 | 0.00 | 100.00 |
| MEAN WEIGHT | 134.77 | 155.63 | 0.00 | 145.39 |
| % SAMP. WT. | 45.50 | 54.50 | 0.00 | 100.00 |

TABLE 9 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA
 =====

AREA: 3 - NASS

SAMPLE NUMBERS: 307,341,359,409,421,372,353,360,314,369,
 387,408,370,331,379,315,418,319,327,382,
 328,310,311,338,424,427,337,323,346

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 9/83 - APR 16/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 404 | 624 | 472 | 92 | 949 | 66 | 28 | 20 | 5 | 234 | 2894 |
| % AT AGE | 0.00 | 15.19 | 23.46 | 17.74 | 3.46 | 35.68 | 2.48 | 1.05 | 0.75 | 0.19 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 137.93 | 169.74 | 186.35 | 194.79 | 200.90 | 211.48 | 220.39 | 231.70 | 238.00 | 178.63 | 181.73 |
| - STD. DEV. | 0.00 | 8.88 | 11.55 | 12.46 | 12.61 | 13.00 | 13.21 | 13.80 | 10.76 | 8.60 | 27.01 | 26.03 |
| WEIGHT - MEAN (gm) | 0.00 | 33.19 | 73.55 | 102.31 | 117.47 | 132.28 | 155.05 | 171.43 | 194.60 | 191.40 | 92.85 | 98.67 |
| - STD. DEV. | 0.00 | 7.94 | 16.23 | 19.40 | 22.47 | 23.52 | 28.24 | 22.97 | 22.81 | 7.99 | 43.81 | 42.77 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 271 | 30 | 115 | 857 | 1370 | 141 | 8 | 0 | 102 |
| % AT STAGE | 9.36 | 1.04 | 3.97 | 29.61 | 47.34 | 4.87 | 0.28 | 0.00 | 3.52 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 864 | 514 | 4 | 1382 |
| % | 62.52 | 37.19 | 0.29 | 100.00 |
| % SAMPLE WEIGHT | 10.71 | 12.00 | 0.01 | 22.72 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 1410 | 1382 | 102 | 2894 |
| % | 48.72 | 47.75 | 3.52 | 100.00 |
| MEAN WEIGHT | 97.95 | 104.23 | 33.14 | 98.67 |
| % SAMP. WT. | 48.37 | 50.45 | 1.18 | 100.00 |

TABLE 9 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA
 =====

AREA: 4 - SKEENA

SAMPLE NUMBERS: 325,348,340,306,351

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 22/83 - APR 4/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 1 | 33 | 53 | 43 | 232 | 73 | 13 | 4 | 2 | 45 | 499 |
| % AT AGE | 0.00 | 0.22 | 7.27 | 11.67 | 9.47 | 51.10 | 16.08 | 2.86 | 0.88 | 0.44 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 173.00 | 174.73 | 190.17 | 203.21 | 206.03 | 214.38 | 226.54 | 219.00 | 230.00 | 201.78 | 203.54 |
| - STD. DEV. | 0.00 | 0.00 | 8.64 | 12.34 | 10.44 | 11.18 | 13.29 | 10.30 | 18.20 | 2.83 | 19.03 | 16.28 |
| WEIGHT - MEAN(gm) | 0.00 | 81.00 | 79.27 | 105.43 | 126.00 | 137.05 | 152.07 | 170.08 | 170.00 | 201.50 | 126.29 | 131.42 |
| - STD. DEV. | 0.00 | 0.00 | 11.18 | 15.59 | 21.24 | 21.35 | 22.76 | 22.94 | 20.93 | 28.99 | 33.61 | 29.74 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|-------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 2 | 87 | 197 | 176 | 6 | 30 | 0 | 1 |
| % AT STAGE | 0.00 | 0.40 | 17.43 | 39.48 | 35.27 | 1.20 | 6.01 | 0.00 | 0.20 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 205 | 48 | 18 | 271 |
| % | 75.65 | 17.71 | 6.64 | 100.00 |
| % SAMPLE WEIGHT | 9.73 | 5.49 | 0.08 | 15.29 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 227 | 271 | 1 | 499 |
| % | 45.49 | 54.31 | 0.20 | 100.00 |
| MEAN WEIGHT | 132.39 | 130.55 | 145.00 | 131.42 |
| % SAMP. WT. | 45.83 | 53.95 | 0.22 | 100.00 |

TABLE 9 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA
 =====

AREA: 5 - GRENVILLE-PRINCIPE

SAMPLE NUMBERS: 332,407,354,376,321,347,329,312,373,364,
 375,326,356,308,417,336,330,339,419,309

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 17/83 - APR 13/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 22 | 330 | 283 | 105 | 1034 | 31 | 11 | 3 | 3 | 172 | 1994 |
| % AT AGE | 0.00 | 1.21 | 18.11 | 15.53 | 5.76 | 56.75 | 1.70 | 0.60 | 0.16 | 0.16 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 159.36 | 177.24 | 189.92 | 199.55 | 203.98 | 214.61 | 219.09 | 230.33 | 242.67 | 196.37 | 196.52 |
| - STD. DEV. | 0.00 | 8.69 | 9.68 | 10.74 | 11.59 | 9.89 | 11.58 | 15.20 | 8.96 | 16.29 | 17.44 | 15.65 |
| WEIGHT - MEAN(gm) | 0.00 | 61.27 | 84.93 | 105.64 | 123.83 | 136.45 | 153.94 | 164.91 | 198.33 | 209.00 | 121.36 | 121.39 |
| - STD. DEV. | 0.00 | 11.00 | 14.66 | 18.78 | 18.95 | 21.12 | 24.73 | 24.35 | 60.93 | 64.09 | 32.91 | 30.17 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 2 | 8 | 50 | 246 | 1516 | 134 | 38 | 0 | 0 |
| % AT STAGE | 0.10 | 0.40 | 2.51 | 12.34 | 76.03 | 6.72 | 1.91 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 176 | 787 | 13 | 976 |
| % | 18.03 | 80.64 | 1.33 | 100.00 |
| % SAMPLE WEIGHT | 3.02 | 24.16 | 0.02 | 27.20 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 1018 | 976 | 0 | 1994 |
| % | 51.05 | 48.95 | 0.00 | 100.00 |
| MEAN WEIGHT | 114.58 | 128.49 | 0.00 | 121.39 |
| % SAMP. WT. | 48.19 | 51.81 | 0.00 | 100.00 |

TABLE 9 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA
 =====

AREA: 6 - BUTEDALE

SAMPLE NUMBERS: 70,290, 83, 82,428,420,111, 72,110, 85,
 276

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 3/83 - APR 13/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 6 | 56 | 139 | 95 | 586 | 45 | 28 | 10 | 2 | 80 | 1047 |
| % AT AGE | 0.00 | 0.62 | 5.79 | 14.37 | 9.82 | 60.60 | 4.65 | 2.90 | 1.03 | 0.21 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 158.33 | 179.71 | 190.63 | 199.85 | 205.36 | 207.80 | 215.00 | 231.60 | 230.50 | 192.27 | 200.93 |
| - STD. DEV. | 0.00 | 11.84 | 8.79 | 11.14 | 10.86 | 10.62 | 13.64 | 15.59 | 13.76 | 2.12 | 17.28 | 14.72 |
| WEIGHT - MEAN(gm) | 0.00 | 61.17 | 91.70 | 107.47 | 124.00 | 135.35 | 147.69 | 157.00 | 185.50 | 187.00 | 114.43 | 127.95 |
| - STD. DEV. | 0.00 | 10.63 | 14.62 | 16.39 | 18.65 | 21.51 | 23.03 | 26.75 | 37.09 | 38.18 | 31.25 | 27.21 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 12 | 240 | 580 | 210 | 4 | 0 | 1 |
| % AT STAGE | 0.00 | 0.00 | 1.15 | 22.92 | 55.40 | 20.06 | 0.38 | 0.00 | 0.10 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 183 | 377 | 0 | 560 |
| % | 32.68 | 67.32 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 6.56 | 19.04 | 0.00 | 25.60 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 486 | 560 | 1 | 1047 |
| % | 46.42 | 53.49 | 0.10 | 100.00 |
| MEAN WEIGHT | 121.86 | 133.27 | 108.00 | 127.95 |
| % SAMP. WT. | 44.21 | 55.71 | 0.08 | 100.00 |

TABLE 9 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA
 =====

AREA: 7 - BELLA BELLA

SAMPLE NUMBERS: 142, 62, 112, 87, 203, 239, 140, 298, 64, 257,
 162, 65, 141, 93, 277, 230, 258, 246, 160, 86,
 66, 129, 135, 67, 130, 68, 137, 169, 267, 113,
 63, 223, 156, 234

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 1/83 - MAR 22/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 21 | 243 | 497 | 340 | 1704 | 164 | 91 | 19 | 7 | 191 | 3277 |
| % AT AGE | 0.00 | 0.68 | 7.87 | 16.10 | 11.02 | 55.22 | 5.31 | 2.95 | 0.62 | 0.23 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 161.48 | 180.65 | 192.30 | 202.76 | 209.25 | 210.49 | 216.93 | 226.05 | 232.86 | 200.45 | 203.49 |
| - STD. DEV. | 0.00 | 10.31 | 10.69 | 11.85 | 9.98 | 9.70 | 11.01 | 9.69 | 12.86 | 19.19 | 17.30 | 14.71 |
| WEIGHT - MEAN(gm) | 0.00 | 62.05 | 89.07 | 109.07 | 128.86 | 143.18 | 146.98 | 157.04 | 176.26 | 183.43 | 126.02 | 131.84 |
| - STD. DEV. | 0.00 | 11.75 | 16.85 | 23.23 | 20.27 | 19.81 | 22.26 | 22.30 | 40.48 | 37.00 | 34.16 | 28.79 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 0 | 10 | 1176 | 1719 | 300 | 44 | 0 | 27 |
| % AT STAGE | 0.03 | 0.00 | 0.31 | 35.89 | 52.46 | 9.15 | 1.34 | 0.00 | 0.82 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 951 | 782 | 22 | 1755 |
| % | 54.19 | 44.56 | 1.25 | 100.00 |
| % SAMPLE WEIGHT | 13.15 | 13.90 | 0.02 | 27.07 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 1493 | 1755 | 29 | 3277 |
| % | 45.56 | 53.56 | 0.88 | 100.00 |
| MEAN WEIGHT | 124.55 | 139.11 | 67.28 | 131.84 |
| % SAMP. WT. | 43.04 | 56.51 | 0.45 | 100.00 |

TABLE 9 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA

=====

AREA: 8 - BELLA COOLA

SAMPLE NUMBERS: 202

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 6/83

SPECIMENS AT EACH AGE:

=====

AGE

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
|--------------------|------|------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| NO. AT AGE | 0 | 0 | 11 | 33 | 8 | 31 | 3 | 7 | 3 | 0 | 4 | 100 |
| % AT AGE | 0.00 | 0.00 | 11.46 | 34.38 | 8.33 | 32.29 | 3.13 | 7.29 | 3.13 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 179.09 | 189.09 | 198.13 | 201.19 | 202.67 | 206.57 | 220.00 | 0.00 | 182.25 | 194.75 |
| - STD. DEV. | 0.00 | 0.00 | 8.54 | 8.69 | 8.72 | 8.79 | 4.04 | 12.05 | 8.54 | 0.00 | 9.84 | 12.78 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 77.91 | 95.12 | 107.00 | 116.03 | 111.67 | 126.71 | 141.33 | 0.00 | 83.75 | 104.30 |
| - STD. DEV. | 0.00 | 0.00 | 13.03 | 14.38 | 14.42 | 19.30 | 4.51 | 22.54 | 20.98 | 0.00 | 14.91 | 22.44 |

HJORT MATURITY STAGES:

=====

MATURITY STAGE

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
|--------------|------|------|------|-------|-------|------|------|------|---------|
| NO. AT STAGE | 0 | 0 | 1 | 58 | 37 | 1 | 3 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 1.00 | 58.00 | 37.00 | 1.00 | 3.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 45 | 1 | 1 | 47 |
| % | 95.74 | 2.13 | 2.13 | 100.00 |
| % SAMPLE WEIGHT | 21.61 | 0.44 | 0.10 | 22.15 |

SEX RATIO:

=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 53 | 47 | 0 | 100 |
| % | 53.00 | 47.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 97.89 | 111.53 | 0.00 | 104.30 |
| % SAMP. WT. | 49.74 | 50.26 | 0.00 | 100.00 |

TABLE 9 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA
 =====

AREA: 12 - ALERT BAY
 SAMPLE NUMBERS: 126,236
 SOURCE: PRE-FISHERY CHARTER
 GEAR: OTHER
 HERRING SEINE
 DATE: MAR 16/83 - MAR 17/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 1 | 18 | 19 | 15 | 106 | 11 | 14 | 7 | 0 | 9 | 200 |
| % AT AGE | 0.00 | 0.52 | 9.42 | 9.95 | 7.85 | 55.50 | 5.76 | 7.33 | 3.66 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 164.00 | 172.17 | 179.16 | 190.27 | 194.09 | 210.91 | 224.14 | 222.43 | 0.00 | 198.67 | 194.49 |
| - STD. DEV. | 0.00 | 0.00 | 10.26 | 10.35 | 8.71 | 14.13 | 15.07 | 11.56 | 11.40 | 0.00 | 18.35 | 18.59 |
| WEIGHT - MEAN(gm) | 0.00 | 54.00 | 85.94 | 91.84 | 107.87 | 110.13 | 147.09 | 185.86 | 174.71 | 0.00 | 118.89 | 115.75 |
| - STD. DEV. | 0.00 | 0.00 | 16.89 | 19.74 | 25.85 | 37.75 | 48.72 | 25.15 | 34.86 | 0.00 | 36.73 | 42.53 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|------|------|-------|-------|-------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 4 | 42 | 66 | 57 | 30 | 0 | 1 |
| % AT STAGE | 0.00 | 0.00 | 2.00 | 21.00 | 33.00 | 28.50 | 15.00 | 0.00 | 0.50 |

| ROE MATURITY (FEMALE): ===== | IMMATURE | | | | MATURE | | | | SPENT | | | | TOTAL | | | |
|---------------------------------|----------|-------|------|-------|--------|-------|-------|--------|-------|---|-----|---|-------|---|--|--|
| | NO. | % | NO. | % | NO. | % | NO. | % | NO. | % | NO. | % | NO. | % | | |
| NO. | 39 | 43.33 | 39 | 43.33 | 12 | 13.33 | 90 | 100.00 | | | | | | | | |
| % SAMPLE WEIGHT | 12.24 | | 6.80 | | 0.15 | | 19.19 | | | | | | | | | |

| SEX RATIO: ===== | MALE | | | | FEMALE | | | | IMMATURE | | | | TOTAL | | | |
|---------------------|--------|-------|--------|-------|--------|------|--------|--------|----------|---|-----|---|-------|---|--|--|
| | NO. | % | NO. | % | NO. | % | NO. | % | NO. | % | NO. | % | NO. | % | | |
| NO. | 109 | 54.50 | 90 | 45.00 | 1 | 0.50 | 200 | 100.00 | | | | | | | | |
| MEAN WEIGHT | 109.67 | | 122.94 | | 132.00 | | 115.75 | | | | | | | | | |
| % SAMP. WT. | 51.63 | | 47.79 | | 0.57 | | 100.00 | | | | | | | | | |

TABLE 9 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA
 =====

AREA: 13 - QUATHIASKI

SAMPLE NUMBERS: 41, 35, 138, 39, 14, 131

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 26/83 - MAR 18/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 6 | 313 | 114 | 58 | 38 | 6 | 2 | 1 | 1 | 57 | 596 |
| % AT AGE | 0.00 | 1.11 | 58.07 | 21.15 | 10.76 | 7.05 | 1.11 | 0.37 | 0.19 | 0.19 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 162.00 | 177.58 | 188.32 | 199.43 | 205.89 | 204.83 | 209.50 | 233.00 | 226.00 | 182.88 | 184.47 |
| - STD. DEV. | 0.00 | 7.90 | 8.49 | 10.26 | 9.21 | 12.47 | 9.66 | 3.54 | 0.00 | 0.00 | 14.59 | 13.95 |
| WEIGHT - MEAN (gm) | 0.00 | 54.17 | 77.24 | 96.32 | 113.81 | 122.66 | 129.83 | 119.00 | 180.00 | 165.00 | 86.54 | 88.99 |
| - STD. DEV. | 0.00 | 5.38 | 10.33 | 17.01 | 18.03 | 21.65 | 17.75 | 5.66 | 0.00 | 0.00 | 19.34 | 21.93 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | |
| NO. AT STAGE | 3 | 6 | 3 | 402 | 140 | 10 | 32 | 0 | 0 | |
| % AT STAGE | 0.50 | 1.01 | 0.50 | 67.45 | 23.49 | 1.68 | 5.37 | 0.00 | 0.00 | |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 232 | 57 | 8 | 297 |
| % | 78.11 | 19.19 | 2.69 | 100.00 |
| % SAMPLE WEIGHT | 13.49 | 5.20 | 0.05 | 18.74 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 298 | 297 | 0 | 595 |
| % | 50.08 | 49.92 | 0.00 | 100.00 |
| MEAN WEIGHT | 87.66 | 90.29 | 0.00 | 88.97 |
| % SAMP. WT. | 49.35 | 50.65 | 0.00 | 100.00 |

TABLE 9 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA

AREA: 14 - COMOX

SAMPLE NUMBERS: 247,224,221,170,243,299, 25,268, 15,217,
28,122, 12

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 18/83 - MAR 18/83

SPECIMENS AT EACH AGE:
=====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 27 | 322 | 367 | 233 | 99 | 28 | 31 | 14 | 2 | 171 | 1294 |
| % AT AGE | 0.00 | 2.40 | 28.67 | 32.68 | 20.75 | 8.82 | 2.49 | 2.76 | 1.25 | 0.18 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 163.56 | 181.05 | 196.70 | 205.49 | 210.29 | 214.32 | 221.35 | 230.21 | 230.00 | 199.75 | 196.53 |
| - STD. DEV. | 0.00 | 9.59 | 10.37 | 10.42 | 10.76 | 9.82 | 10.26 | 11.51 | 9.38 | 14.14 | 14.31 | 16.40 |
| WEIGHT - MEAN(gm) | 0.00 | 61.52 | 87.47 | 117.17 | 137.21 | 147.97 | 156.86 | 175.16 | 189.36 | 211.00 | 121.87 | 118.38 |
| - STD. DEV. | 0.00 | 9.19 | 17.06 | 22.60 | 25.11 | 25.44 | 20.71 | 21.05 | 31.64 | 25.46 | 29.42 | 33.77 |

HJORT MATURITY STAGES:
=====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 2 | 0 | 2 | 462 | 615 | 52 | 161 | 0 | 0 |
| % AT STAGE | 0.15 | 0.00 | 0.15 | 35.70 | 47.53 | 4.02 | 12.44 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 311 | 302 | 81 | 694 |
| % | 44.81 | 43.52 | 11.67 | 100.00 |
| % SAMPLE WEIGHT | 10.11 | 13.13 | 0.12 | 23.36 |

SEX RATIO:
=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 600 | 694 | 0 | 1294 |
| % | 46.37 | 53.63 | 0.00 | 100.00 |
| MEAN WEIGHT | 114.49 | 121.73 | 0.00 | 118.38 |
| % SAMP. WT. | 44.85 | 55.15 | 0.00 | 100.00 |

TABLE 9 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA
 =====

AREA: 15 - WESTVIEW

SAMPLE NUMBERS: 31, 37, 19, 30, 38, 20,237, 80,241, 18,
 61, 36,152,159, 52,151, 78, 92, 90, 88,
 56, 40, 76,289,244,157,235,172, 71,150,
 24, 55, 81, 89,163,305,155,228, 50, 75,
 32,270,124

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 16/83 - MAR 17/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 22 | 1379 | 1050 | 659 | 532 | 125 | 135 | 44 | 9 | 301 | 4256 |
| % AT AGE | 0.00 | 0.56 | 34.87 | 26.55 | 16.66 | 13.45 | 3.16 | 3.41 | 1.11 | 0.23 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 162.73 | 180.81 | 194.82 | 202.28 | 205.89 | 213.02 | 217.21 | 222.18 | 237.33 | 196.91 | 194.42 |
| - STD. DEV. | 0.00 | 9.28 | 8.78 | 10.02 | 9.14 | 10.05 | 10.05 | 10.81 | 12.56 | 8.19 | 14.46 | 15.14 |
| WEIGHT - MEAN(gm) | 0.00 | 59.41 | 83.07 | 106.38 | 121.25 | 128.49 | 142.34 | 149.68 | 161.50 | 201.56 | 110.01 | 107.11 |
| - STD. DEV. | 0.00 | 7.20 | 12.92 | 17.09 | 18.13 | 20.10 | 20.43 | 23.72 | 28.89 | 23.55 | 25.03 | 27.25 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 2 | 5 | 22 | 1498 | 2174 | 351 | 204 | 0 | 0 |
| % AT STAGE | 0.05 | 0.12 | 0.52 | 35.20 | 51.08 | 8.25 | 4.79 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 1071 | 1140 | 84 | 2295 |
| % | 46.67 | 49.67 | 3.66 | 100.00 |
| % SAMPLE WEIGHT | 8.86 | 13.31 | 0.05 | 22.22 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 1958 | 2295 | 3 | 4256 |
| % | 46.01 | 53.92 | 0.07 | 100.00 |
| MEAN WEIGHT | 104.09 | 109.73 | 78.33 | 107.11 |
| % SAMP. WT. | 44.71 | 55.24 | 0.05 | 100.00 |

TABLE 9 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA
 =====

AREA: 16 - PENDER HARBOUR
 SAMPLE NUMBERS: 91,164,153,215,165, 16
 SOURCE: PRE-FISHERY CHARTER
 GEAR: HERRING SEINE
 DATE: FEB 24/83 - MAR 9/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 5 | 238 | 142 | 69 | 53 | 8 | 9 | 3 | 0 | 66 | 593 |
| % AT AGE | 0.00 | 0.95 | 45.16 | 26.94 | 13.09 | 10.06 | 1.52 | 1.71 | 0.57 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 152.00 | 178.68 | 192.92 | 202.78 | 201.66 | 207.75 | 209.11 | 218.67 | 0.00 | 194.39 | 189.53 |
| - STD. DEV. | 0.00 | 4.30 | 9.73 | 11.20 | 8.92 | 9.78 | 15.41 | 12.13 | 4.16 | 0.00 | 13.99 | 14.99 |
| WEIGHT - MEAN(gm) | 0.00 | 54.60 | 85.86 | 109.89 | 127.10 | 124.66 | 140.75 | 153.89 | 146.67 | 0.00 | 114.03 | 104.83 |
| - STD. DEV. | 0.00 | 11.35 | 11.38 | 14.26 | 14.25 | 19.59 | 21.14 | 24.15 | 8.74 | 0.00 | 24.36 | 23.97 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 4 | 221 | 351 | 17 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.67 | 37.27 | 59.19 | 2.87 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: ===== | | | | | | | | |
|---------------------------------|---------------------|--------|-------|--------|-------------|--------|----------|--------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL | |
| NO. | 156 | 211 | 0 | 367 | 226 | 367 | 0 | 593 | |
| % | 42.51 | 57.49 | 0.00 | 100.00 | 38.11 | 61.89 | 0.00 | 100.00 | |
| % SAMPLE WEIGHT | 8.43 | 14.71 | 0.00 | 23.14 | MEAN WEIGHT | 99.59 | 108.06 | 0.00 | 104.83 |
| | | | | | % SAMP. WT. | 36.20 | 63.80 | 0.00 | 100.00 |

TABLE 9 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA
 =====

AREA: 17 - NANAIMO

SAMPLE NUMBERS: 59,226, 34, 29, 74, 46, 23, 84,220, 26,
 33,229,133,154, 43, 58,296, 94, 57,233,
 297,216,199,149,304, 69,148,161

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 22/83 - MAR 18/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 234 | 780 | 651 | 399 | 184 | 55 | 71 | 28 | 11 | 347 | 2760 |
| % AT AGE | 0.00 | 9.70 | 32.32 | 26.98 | 16.54 | 7.63 | 2.28 | 2.94 | 1.16 | 0.46 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 159.81 | 182.92 | 198.69 | 208.97 | 216.30 | 222.45 | 227.39 | 229.54 | 240.09 | 195.97 | 194.94 |
| - STD. DEV. | 0.00 | 8.11 | 10.99 | 10.38 | 9.90 | 9.69 | 11.08 | 12.01 | 11.82 | 10.77 | 17.32 | 20.03 |
| WEIGHT - MEAN(gm) | 0.00 | 57.62 | 88.01 | 115.17 | 138.65 | 152.32 | 161.09 | 179.96 | 188.57 | 201.18 | 112.08 | 111.77 |
| - STD. DEV. | 0.00 | 9.08 | 16.22 | 21.41 | 26.64 | 27.31 | 30.68 | 32.88 | 30.73 | 29.08 | 35.40 | 37.97 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 6 | 7 | 91 | 997 | 1098 | 118 | 439 | 0 | 4 |
| % AT STAGE | 0.22 | 0.25 | 3.30 | 36.12 | 39.78 | 4.28 | 15.91 | 0.00 | 0.14 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 710 | 519 | 197 | 1426 |
| % | 49.79 | 36.40 | 13.81 | 100.00 |
| % SAMPLE WEIGHT | 9.07 | 9.70 | 0.20 | 18.97 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 1330 | 1426 | 4 | 2760 |
| % | 48.19 | 51.67 | 0.14 | 100.00 |
| MEAN WEIGHT | 107.53 | 115.82 | 75.25 | 111.77 |
| % SAMP. WT. | 46.36 | 53.54 | 0.10 | 100.00 |

TABLE 9 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA

=====

AREA: 18 - COWICHAN

SAMPLE NUMBERS: 219,143, 22, 21,121,134

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 24/83 - MAR 16/83

SPECIMENS AT EACH AGE:

=====

AGE

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| NO. AT AGE | 0 | 15 | 145 | 167 | 74 | 46 | 16 | 13 | 12 | 1 | 103 | 592 |
| % AT AGE | 0.00 | 3.07 | 29.65 | 34.15 | 15.13 | 9.41 | 3.27 | 2.66 | 2.45 | 0.20 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 165.93 | 186.63 | 199.88 | 208.39 | 216.72 | 221.69 | 225.77 | 232.83 | 232.00 | 199.54 | 199.97 |
| - STD. DEV. | 0.00 | 8.60 | 8.96 | 9.21 | 8.68 | 9.48 | 7.69 | 11.32 | 9.70 | 0.00 | 17.38 | 16.56 |
| WEIGHT - MEAN(gm) | 0.00 | 61.60 | 83.71 | 102.29 | 120.81 | 143.39 | 149.13 | 148.62 | 180.67 | 152.00 | 108.08 | 107.18 |
| - STD. DEV. | 0.00 | 9.45 | 12.87 | 17.46 | 24.38 | 27.80 | 25.44 | 27.62 | 30.19 | 0.00 | 33.00 | 31.87 |

HJORT MATURITY STAGES:

=====

MATURITY STAGE

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
|--------------|------|------|------|-------|-------|------|-------|------|---------|
| NO. AT STAGE | 2 | 1 | 4 | 156 | 62 | 5 | 361 | 0 | 1 |
| % AT STAGE | 0.34 | 0.17 | 0.68 | 26.35 | 10.47 | 0.84 | 60.98 | 0.00 | 0.17 |

ROE MATURITY (FEMALE):

=====

SEX RATIO:

=====

| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
|-----------------|----------|--------|-------|--------|-------------|--------|--------|----------|--------|
| NO. | 91 | 11 | 160 | 262 | NO. | 329 | 262 | 1 | 592 |
| % | 34.73 | 4.20 | 61.07 | 100.00 | % | 55.57 | 44.26 | 0.17 | 100.00 |
| % SAMPLE WEIGHT | 8.55 | 1.19 | 1.14 | 10.88 | MEAN WEIGHT | 105.79 | 109.15 | 48.00 | 107.18 |
| | | | | | % SAMP. WT. | 54.85 | 45.07 | 0.08 | 100.00 |

TABLE 9 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA
 =====

AREA: 23 - BARKLEY SOUND

SAMPLE NUMBERS: 127,240, 53, 73,293,167, 51,125,225,166,
 171,280

SOURCE: PRE-FISHERY CHARTER

GEAR: OTHER
 HERRING SEINE

DATE: FEB 24/83 - MAR 15/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 43 | 207 | 256 | 244 | 182 | 40 | 45 | 10 | 13 | 134 | 1174 |
| % AT AGE | 0.00 | 4.13 | 19.90 | 24.62 | 23.46 | 17.50 | 3.85 | 4.33 | 0.96 | 1.25 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 159.72 | 185.43 | 199.07 | 209.15 | 216.22 | 222.88 | 226.98 | 233.60 | 234.69 | 200.96 | 202.76 |
| - STD. DEV. | 0.00 | 6.18 | 9.97 | 9.44 | 9.22 | 8.74 | 8.61 | 8.62 | 5.85 | 6.33 | 16.57 | 17.92 |
| WEIGHT - MEAN(gm) | 0.00 | 59.30 | 94.86 | 118.97 | 139.93 | 160.37 | 174.77 | 178.42 | 206.80 | 191.69 | 124.40 | 129.66 |
| - STD. DEV. | 0.00 | 7.62 | 16.63 | 20.07 | 22.64 | 22.16 | 23.90 | 25.29 | 26.55 | 20.62 | 35.36 | 36.88 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 2 | 2 | 75 | 788 | 199 | 107 | 0 | 1 |
| % AT STAGE | 0.00 | 0.17 | 0.17 | 6.39 | 67.12 | 16.95 | 9.11 | 0.00 | 0.09 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 56 | 445 | 42 | 543 |
| % | 10.31 | 81.95 | 7.73 | 100.00 |
| % SAMPLE WEIGHT | 2.08 | 25.60 | 0.10 | 27.78 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 630 | 543 | 1 | 1174 |
| % | 53.66 | 46.25 | 0.09 | 100.00 |
| MEAN WEIGHT | 123.44 | 136.91 | 112.00 | 129.66 |
| % SAMP. WT. | 51.09 | 48.84 | 0.07 | 100.00 |

TABLE 9 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA
 =====

AREA: 24 - CLAYOQUOT SOUND

SAMPLE NUMBERS: 218, 77,222,105,238, 42, 48,245,145, 49,
 79,242

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 26/83 - MAR 12/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 61 | 322 | 233 | 209 | 168 | 35 | 54 | 8 | 3 | 101 | 1194 |
| % AT AGE | 0.00 | 5.58 | 29.46 | 21.32 | 19.12 | 15.37 | 3.20 | 4.94 | 0.73 | 0.27 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 161.31 | 184.02 | 196.49 | 208.66 | 215.39 | 220.91 | 226.67 | 228.00 | 233.67 | 199.35 | 198.74 |
| - STD. DEV. | 0.00 | 6.87 | 10.48 | 10.43 | 11.12 | 8.51 | 10.80 | 9.55 | 10.57 | 8.14 | 17.87 | 19.12 |
| WEIGHT - MEAN(gm) | 0.00 | 63.28 | 91.65 | 114.57 | 139.47 | 153.04 | 167.03 | 174.17 | 178.13 | 193.67 | 121.50 | 120.98 |
| - STD. DEV. | 0.00 | 8.58 | 16.21 | 20.00 | 24.04 | 21.89 | 24.13 | 23.98 | 33.78 | 19.50 | 33.35 | 36.10 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 1 | 4 | 3 | 261 | 837 | 82 | 5 | 0 | 1 |
| % AT STAGE | 0.08 | 0.34 | 0.25 | 21.86 | 70.10 | 6.87 | 0.42 | 0.00 | 0.08 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 194 | 464 | 1 | 659 |
| % | 29.44 | 70.41 | 0.15 | 100.00 |
| % SAMPLE WEIGHT | 5.08 | 22.33 | 0.00 | 27.41 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 533 | 659 | 2 | 1194 |
| % | 44.64 | 55.19 | 0.17 | 100.00 |
| MEAN WEIGHT | 116.94 | 124.31 | 102.50 | 120.98 |
| % SAMP. WT. | 43.15 | 56.71 | 0.14 | 100.00 |

TABLE 9 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA

AREA: 25 - NOOTKA SOUND
 SAMPLE NUMBERS: 27, 44, 54, 60, 47,358
 SOURCE: PRE-FISHERY CHARTER
 GEAR: HERRING SEINE
 DATE: FEB 25/83 - MAR 24/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 21 | 108 | 86 | 105 | 160 | 32 | 28 | 1 | 0 | 59 | 600 |
| % AT AGE | 0.00 | 3.88 | 19.96 | 15.90 | 19.41 | 29.57 | 5.91 | 5.18 | 0.18 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 159.67 | 180.71 | 195.02 | 203.57 | 210.13 | 215.63 | 214.50 | 233.00 | 0.00 | 198.42 | 199.14 |
| - STD. DEV. | 0.00 | 6.29 | 7.58 | 9.10 | 8.39 | 8.64 | 9.10 | 9.43 | 0.00 | 0.00 | 16.15 | 16.45 |
| WEIGHT - MEAN (gm) | 0.00 | 57.24 | 86.22 | 113.14 | 131.92 | 144.18 | 152.28 | 153.11 | 171.00 | 0.00 | 120.41 | 122.67 |
| - STD. DEV. | 0.00 | 7.76 | 12.52 | 16.92 | 17.54 | 19.84 | 18.18 | 16.52 | 0.00 | 0.00 | 32.42 | 31.55 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 1 | 0 | 165 | 384 | 50 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.17 | 0.00 | 27.50 | 64.00 | 8.33 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | IMMATURE | | | | SEX RATIO: ===== | | | | |
|---------------------------------|----------|--------|-------|--------|---------------------|--------|----------|--------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL | |
| NO. | 111 | 214 | 0 | 325 | 275 | 325 | 0 | 600 | |
| % | 34.15 | 65.85 | 0.00 | 100.00 | 45.83 | 54.17 | 0.00 | 100.00 | |
| % SAMPLE WEIGHT | 6.87 | 19.87 | 0.00 | 26.75 | MEAN WEIGHT | 116.32 | 128.03 | 0.00 | 122.67 |
| | | | | | % SAMP. WT. | 43.46 | 56.54 | 0.00 | 100.00 |

TABLE 9 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY AREA
 =====

AREA: 27 - QUATSINO SOUND

SAMPLE NUMBERS: 168,174

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 10/83 - MAR 13/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 4 | 21 | 32 | 11 | 29 | 0 | 4 | 0 | 0 | 4 | 105 |
| % AT AGE | 0.00 | 3.96 | 20.79 | 31.68 | 10.89 | 28.71 | 0.00 | 3.96 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 159.25 | 186.62 | 200.06 | 206.64 | 213.52 | 0.00 | 216.75 | 0.00 | 0.00 | 199.50 | 200.84 |
| - STD. DEV. | 0.00 | 10.34 | 7.75 | 6.32 | 5.52 | 9.60 | 0.00 | 6.34 | 0.00 | 0.00 | 13.58 | 15.05 |
| WEIGHT - MEAN(gm) | 0.00 | 50.75 | 88.38 | 105.97 | 114.09 | 127.48 | 0.00 | 136.50 | 0.00 | 0.00 | 107.25 | 108.35 |
| - STD. DEV. | 0.00 | 5.38 | 14.10 | 17.56 | 17.98 | 27.30 | 0.00 | 23.81 | 0.00 | 0.00 | 17.44 | 27.09 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 3 | 47 | 13 | 42 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 2.86 | 44.76 | 12.38 | 40.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 0 | 25 | 29 | 54 |
| % | 0.00 | 46.30 | 53.70 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 14.75 | 2.06 | 16.80 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 51 | 54 | 0 | 105 |
| % | 48.57 | 51.43 | 0.00 | 100.00 |
| MEAN WEIGHT | 105.80 | 110.76 | 0.00 | 108.35 |
| % SAMP. WT. | 47.43 | 52.57 | 0.00 | 100.00 |

TABLE 10 PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 2 - PORT LOUIS

SAMPLE NUMBERS: 115,118,147,132,114,123,264,386, 97,139

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 1/83 - MAR 6/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 11 | 8 | 191 | 14 | 644 | 32 | 4 | 3 | 3 | 38 | 948 |
| % AT AGE | 0.00 | 1.21 | 0.88 | 20.99 | 1.54 | 70.77 | 3.52 | 0.44 | 0.33 | 0.33 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 170.45 | 192.75 | 208.76 | 211.57 | 221.84 | 229.34 | 228.75 | 244.67 | 250.67 | 211.97 | 218.26 |
| - STD. DEV. | 0.00 | 7.71 | 9.57 | 9.88 | 11.52 | 10.40 | 12.38 | 23.39 | 12.70 | 23.44 | 20.18 | 13.84 |
| WEIGHT - MEAN (gm) | 0.00 | 67.82 | 106.13 | 146.85 | 156.43 | 178.18 | 195.63 | 216.00 | 178.33 | 221.00 | 152.87 | 169.53 |
| - STD. DEV. | 0.00 | 9.34 | 18.25 | 22.86 | 23.64 | 26.69 | 29.65 | 23.58 | 7.02 | 15.62 | 44.96 | 32.76 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|-------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 2 | 237 | 448 | 159 | 101 | 0 | 1 |
| % AT STAGE | 0.00 | 0.00 | 0.21 | 25.00 | 47.26 | 16.77 | 10.65 | 0.00 | 0.11 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 225 | 292 | 38 | 555 |
| % | 40.54 | 52.61 | 6.85 | 100.00 |
| % SAMPLE WEIGHT | 9.26 | 15.90 | 0.21 | 25.37 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 391 | 555 | 2 | 948 |
| % | 41.24 | 58.54 | 0.21 | 100.00 |
| MEAN WEIGHT | 158.48 | 177.46 | 131.00 | 169.53 |
| % SAMP. WT. | 38.56 | 61.28 | 0.16 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 3 - RENNELL SOUND

SAMPLE NUMBERS: 98,186,194,185

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 1/83 - MAR 23/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 3 | 4 | 180 | 8 | 139 | 21 | 7 | 4 | 1 | 23 | 390 |
| % AT AGE | 0.00 | 0.82 | 1.09 | 49.05 | 2.18 | 37.87 | 5.72 | 1.91 | 1.09 | 0.27 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 173.67 | 190.25 | 210.08 | 211.63 | 223.48 | 229.57 | 236.29 | 235.50 | 240.00 | 216.65 | 216.65 |
| - STD. DEV. | 0.00 | 12.50 | 11.79 | 11.69 | 8.45 | 9.63 | 11.92 | 14.42 | 21.93 | 0.00 | 17.19 | 14.47 |
| WEIGHT - MEAN(gm) | 0.00 | 87.33 | 118.25 | 158.05 | 167.25 | 187.27 | 207.24 | 218.29 | 210.75 | 218.00 | 174.30 | 173.08 |
| - STD. DEV. | 0.00 | 14.64 | 10.34 | 25.24 | 25.40 | 27.52 | 36.11 | 39.92 | 43.18 | 0.00 | 39.13 | 33.95 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 18 | 301 | 71 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 4.62 | 77.18 | 18.21 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 17 | 198 | 0 | 215 |
| % | 7.91 | 92.09 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 1.63 | 26.89 | 0.00 | 28.52 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 175 | 215 | 0 | 390 |
| % | 44.87 | 55.13 | 0.00 | 100.00 |
| MEAN WEIGHT | 159.56 | 184.09 | 0.00 | 173.08 |
| % SAMP. WT. | 41.37 | 58.63 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 5 - ENGLEFIELD BAY

SAMPLE NUMBERS: 176,180,196,191,213,183,206,177,181,256,
 208

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 9/83 - MAR 20/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 6 | 16 | 776 | 32 | 166 | 17 | 10 | 8 | 8 | 46 | 1085 |
| % AT AGE | 0.00 | 0.58 | 1.54 | 74.69 | 3.08 | 15.98 | 1.64 | 0.96 | 0.77 | 0.77 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 174.83 | 193.88 | 204.79 | 212.38 | 216.35 | 229.59 | 232.00 | 234.63 | 243.88 | 211.76 | 207.90 |
| - STD. DEV. | 0.00 | 10.28 | 9.54 | 10.07 | 9.70 | 9.57 | 8.75 | 10.04 | 12.97 | 5.67 | 11.88 | 12.46 |
| WEIGHT - MEAN(gm) | 0.00 | 83.17 | 108.00 | 139.15 | 160.69 | 175.11 | 195.94 | 193.80 | 200.50 | 226.25 | 154.85 | 147.67 |
| - STD. DEV. | 0.00 | 16.40 | 19.66 | 23.72 | 21.88 | 26.16 | 30.08 | 24.58 | 28.72 | 21.16 | 29.17 | 30.53 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 0 | 0 | 308 | 667 | 108 | 1 | 0 | 0 |
| % AT STAGE | 0.09 | 0.00 | 0.00 | 28.39 | 61.47 | 9.95 | 0.09 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 279 | 276 | 0 | 555 |
| % | 50.27 | 49.73 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 11.34 | 14.83 | 0.00 | 26.17 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 530 | 555 | 0 | 1085 |
| % | 48.85 | 51.15 | 0.00 | 100.00 |
| MEAN WEIGHT | 139.41 | 155.56 | 0.00 | 147.67 |
| % SAMP. WT. | 46.11 | 53.89 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 6 - LOUSCOONE INLET
 SAMPLE NUMBERS: 189
 SOURCE: PRE-FISHERY CHARTER
 GEAR: HERRING SEINE
 DATE: MAR 13/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 18 | 5 | 1 | 7 | 43 | 2 | 2 | 1 | 0 | 11 | 90 |
| % AT AGE | 0.00 | 22.78 | 6.33 | 1.27 | 8.86 | 54.43 | 2.53 | 2.53 | 1.27 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 170.11 | 178.80 | 210.00 | 209.29 | 216.98 | 229.50 | 246.50 | 246.00 | 0.00 | 198.55 | 203.81 |
| - STD. DEV. | 0.00 | 5.62 | 11.76 | 0.00 | 10.64 | 8.24 | 23.33 | 4.95 | 0.00 | 0.00 | 27.45 | 23.95 |
| WEIGHT - MEAN (gm) | 0.00 | 67.06 | 90.80 | 142.00 | 140.14 | 155.58 | 162.00 | 204.50 | 215.00 | 0.00 | 123.45 | 130.89 |
| - STD. DEV. | 0.00 | 7.93 | 23.75 | 0.00 | 30.09 | 24.59 | 45.25 | 24.75 | 0.00 | 0.00 | 59.73 | 47.55 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 2 | 88 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 2.22 | 97.78 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 2 | 43 | 0 | 45 |
| % | 4.44 | 95.56 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.43 | 31.22 | 0.00 | 31.65 |

| SEX RATIO: ===== | SEX RATIO: | | | |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 45 | 45 | 0 | 90 |
| % | 50.00 | 50.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 112.87 | 148.91 | 0.00 | 130.89 |
| % SAMP. WT. | 43.12 | 56.88 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 23 - CUMSHEWA INLET
 SAMPLE NUMBERS: 214,197
 SOURCE: PRE-FISHERY CHARTER
 GEAR: HERRING SEINE
 DATE: MAR 22/83 - MAR 23/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 8 | 16 | 8 | 18 | 113 | 12 | 4 | 3 | 1 | 15 | 198 |
| % AT AGE | 0.00 | 4.37 | 8.74 | 4.37 | 9.84 | 61.75 | 6.56 | 2.19 | 1.64 | 0.55 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 164.75 | 178.25 | 193.75 | 205.33 | 208.19 | 219.50 | 229.00 | 248.33 | 245.00 | 204.80 | 204.82 |
| - STD. DEV. | 0.00 | 5.39 | 11.58 | 12.59 | 8.88 | 9.64 | 6.67 | 20.41 | 4.51 | 0.00 | 9.75 | 16.98 |
| WEIGHT - MEAN (gm) | 0.00 | 77.75 | 97.25 | 120.25 | 141.94 | 153.67 | 165.42 | 186.50 | 223.33 | 193.00 | 146.80 | 145.74 |
| - STD. DEV. | 0.00 | 13.32 | 16.01 | 17.64 | 16.52 | 21.61 | 23.58 | 30.73 | 6.11 | 0.00 | 21.38 | 31.73 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 4 | 191 | 3 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 2.02 | 96.46 | 1.52 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 2 | 96 | 0 | 98 |
| % | 2.04 | 97.96 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.42 | 28.08 | 0.00 | 28.51 |

| SEX RATIO: ===== | SEX RATIO: | | | |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 100 | 98 | 0 | 198 |
| % | 50.51 | 49.49 | 0.00 | 100.00 |
| MEAN WEIGHT | 135.19 | 156.50 | 0.00 | 145.74 |
| % SAMP. WT. | 46.85 | 53.15 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 24 - LASKEEK BAY

SAMPLE NUMBERS: 204,295,190,102,281

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 9/83 - MAR 28/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 33 | 32 | 22 | 32 | 314 | 20 | 11 | 5 | 3 | 24 | 496 |
| % AT AGE | 0.00 | 6.99 | 6.78 | 4.66 | 6.78 | 66.53 | 4.24 | 2.33 | 1.06 | 0.64 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 166.76 | 182.31 | 198.91 | 204.50 | 210.86 | 219.70 | 224.00 | 228.40 | 244.67 | 198.33 | 205.57 |
| - STD. DEV. | 0.00 | 7.40 | 10.33 | 10.77 | 8.46 | 7.92 | 10.48 | 6.75 | 11.97 | 6.43 | 17.47 | 16.37 |
| WEIGHT - MEAN(gm) | 0.00 | 69.33 | 95.22 | 128.82 | 136.72 | 151.15 | 165.70 | 174.82 | 182.20 | 222.00 | 125.21 | 140.77 |
| - STD. DEV. | 0.00 | 9.10 | 15.59 | 18.61 | 18.78 | 21.60 | 31.66 | 17.75 | 12.83 | 19.97 | 34.81 | 33.56 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 1 | 41 | 430 | 24 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.20 | 8.27 | 86.69 | 4.84 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 25 | 234 | 0 | 259 |
| % | 9.65 | 90.35 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 2.02 | 26.48 | 0.00 | 28.50 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 237 | 259 | 0 | 496 |
| % | 47.78 | 52.22 | 0.00 | 100.00 |
| MEAN WEIGHT | 130.01 | 150.63 | 0.00 | 140.77 |
| % SAMP. WT. | 44.13 | 55.87 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

=====

SECTION: 25 - SKINCUTTLE INLET
 SAMPLE NUMBERS: 95,198,232,101
 SOURCE: PRE-FISHERY CHARTER
 GEAR: HERRING SEINE
 DATE: MAR 7/83 - MAR 16/83

| SPECIMENS AT EACH AGE: | | AGE | | | | | | | | | | | |
|------------------------|--|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| ===== | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | | 0 | 11 | 18 | 13 | 20 | 285 | 15 | 6 | 3 | 0 | 29 | 400 |
| % AT AGE | | 0.00 | 2.96 | 4.85 | 3.50 | 5.39 | 76.82 | 4.04 | 1.62 | 0.81 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | | 0.00 | 167.00 | 182.44 | 193.77 | 207.25 | 209.66 | 213.27 | 223.83 | 230.67 | 0.00 | 206.69 | 206.91 |
| - STD. DEV. | | 0.00 | 4.98 | 12.45 | 8.34 | 8.15 | 10.24 | 13.13 | 11.69 | 16.62 | 0.00 | 13.16 | 14.16 |
| WEIGHT - MEAN (gm) | | 0.00 | 71.64 | 102.67 | 120.77 | 145.65 | 156.99 | 167.47 | 187.00 | 204.33 | 0.00 | 147.24 | 150.94 |
| - STD. DEV. | | 0.00 | 7.83 | 20.21 | 16.04 | 19.38 | 22.98 | 34.28 | 25.68 | 54.99 | 0.00 | 30.13 | 30.61 |

| HJORT MATURITY STAGES: | | MATURITY STAGE | | | | | | | | |
|------------------------|--|----------------|------|------|------|-------|-------|------|------|---------|
| ===== | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | | 0 | 0 | 0 | 15 | 326 | 57 | 2 | 0 | 0 |
| % AT STAGE | | 0.00 | 0.00 | 0.00 | 3.75 | 81.50 | 14.25 | 0.50 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): | | | | | SEX RATIO: | | | | |
|------------------------|----------|--------|-------|--------|-------------|--------|--------|----------|--------|
| ===== | | | | | ===== | | | | |
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 13 | 186 | 1 | 200 | NO. | 200 | 200 | 0 | 400 |
| % | 6.50 | 93.00 | 0.50 | 100.00 | % | 50.00 | 50.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 1.25 | 26.43 | 0.01 | 27.69 | MEAN WEIGHT | 140.21 | 161.68 | 0.00 | 150.94 |
| | | | | | % SAMP. WT. | 46.44 | 53.56 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 32 - PORTLAND INLET

SAMPLE NUMBERS: 353,421,424,346,418,310,311,338,369,370,
 331

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 10/83 - MAR 18/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 381 | 169 | 146 | 31 | 261 | 19 | 4 | 4 | 1 | 81 | 1097 |
| % AT AGE | 0.00 | 37.50 | 16.63 | 14.37 | 3.05 | 25.69 | 1.87 | 0.39 | 0.39 | 0.10 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 136.90 | 164.22 | 184.66 | 192.32 | 199.40 | 207.79 | 223.75 | 233.50 | 234.00 | 165.58 | 168.00 |
| - STD. DEV. | 0.00 | 7.48 | 14.64 | 15.00 | 16.10 | 15.30 | 15.12 | 20.01 | 12.87 | 0.00 | 31.79 | 30.16 |
| WEIGHT - MEAN(gm) | 0.00 | 31.94 | 65.24 | 95.74 | 106.71 | 122.99 | 137.53 | 177.00 | 198.25 | 185.00 | 70.33 | 75.28 |
| - STD. DEV. | 0.00 | 5.52 | 18.42 | 23.06 | 24.33 | 25.68 | 27.59 | 32.01 | 2.99 | 0.00 | 45.98 | 44.07 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 266 | 27 | 64 | 349 | 283 | 24 | 1 | 0 | 83 |
| % AT STAGE | 24.25 | 2.46 | 5.83 | 31.81 | 25.80 | 2.19 | 0.09 | 0.00 | 7.57 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 469 | 53 | 0 | 522 |
| % | 89.85 | 10.15 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 14.24 | 4.22 | 0.00 | 18.46 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 492 | 522 | 83 | 1097 |
| % | 44.85 | 47.58 | 7.57 | 100.00 |
| MEAN WEIGHT | 79.37 | 78.55 | 30.40 | 75.28 |
| % SAMP. WT. | 47.29 | 49.66 | 3.06 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 33 - PORT SIMPSON

SAMPLE NUMBERS: 379,408,315,314,387,328,319,327,382,323,
427,337,372,409,341,359,360,307

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 9/83 - APR 16/83

SPECIMENS AT EACH AGE:
=====

AGE

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| NO. AT AGE | 0 | 23 | 455 | 326 | 61 | 688 | 47 | 24 | 16 | 4 | 153 | 1797 |
| % AT AGE | 0.00 | 1.40 | 27.68 | 19.83 | 3.71 | 41.85 | 2.86 | 1.46 | 0.97 | 0.24 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 155.00 | 171.79 | 187.10 | 196.05 | 201.48 | 212.98 | 219.83 | 231.25 | 239.00 | 185.54 | 190.11 |
| - STD. DEV. | 0.00 | 12.43 | 9.39 | 11.09 | 10.34 | 11.98 | 12.21 | 13.00 | 10.61 | 9.59 | 21.15 | 18.72 |
| WEIGHT - MEAN(gm) | 0.00 | 53.91 | 76.64 | 105.26 | 122.93 | 135.80 | 162.13 | 170.50 | 193.69 | 193.00 | 104.76 | 112.95 |
| - STD. DEV. | 0.00 | 12.35 | 14.17 | 16.73 | 19.49 | 21.65 | 25.52 | 21.90 | 25.55 | 8.25 | 37.64 | 34.96 |

HJORT MATURITY STAGES:
=====

MATURITY STAGE

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
|--------------|------|------|------|-------|-------|------|------|------|---------|
| NO. AT STAGE | 5 | 3 | 51 | 508 | 1087 | 117 | 7 | 0 | 19 |
| % AT STAGE | 0.28 | 0.17 | 2.84 | 28.27 | 60.49 | 6.51 | 0.39 | 0.00 | 1.06 |

ROE MATURITY (FEMALE):
=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 395 | 461 | 4 | 860 |
| % | 45.93 | 53.60 | 0.47 | 100.00 |
| % SAMPLE WEIGHT | 9.30 | 15.10 | 0.01 | 24.42 |

SEX RATIO:
=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 918 | 860 | 19 | 1797 |
| % | 51.09 | 47.86 | 1.06 | 100.00 |
| MEAN WEIGHT | 107.91 | 119.82 | 45.11 | 112.95 |
| % SAMP. WT. | 48.81 | 50.77 | 0.42 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

=====

SECTION: 42 - BIG BAY
 SAMPLE NUMBERS: 325
 SOURCE: PRE-FISHERY CHARTER
 GEAR: HERRING SEINE
 DATE: MAR 22/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 1 | 12 | 14 | 7 | 60 | 3 | 1 | 0 | 0 | 2 | 100 |
| % AT AGE | 0.00 | 1.02 | 12.24 | 14.29 | 7.14 | 61.22 | 3.06 | 1.02 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 173.00 | 176.33 | 197.36 | 208.86 | 209.17 | 209.67 | 232.00 | 0.00 | 0.00 | 208.00 | 203.41 |
| - STD. DEV. | 0.00 | 0.00 | 8.97 | 7.91 | 11.50 | 9.45 | 5.77 | 0.00 | 0.00 | 0.00 | 49.50 | 15.47 |
| WEIGHT - MEAN (gm) | 0.00 | 81.00 | 80.08 | 112.07 | 136.71 | 144.83 | 138.67 | 190.00 | 0.00 | 0.00 | 146.50 | 131.57 |
| - STD. DEV. | 0.00 | 0.00 | 14.61 | 14.84 | 26.09 | 19.81 | 7.51 | 0.00 | 0.00 | 0.00 | 98.29 | 31.25 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 8 | 86 | 6 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 8.00 | 86.00 | 6.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 7 | 45 | 0 | 52 |
| % | 13.46 | 86.54 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 3.24 | 25.06 | 0.00 | 28.30 |

| SEX RATIO: ===== | SEX RATIO: | | | |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 48 | 52 | 0 | 100 |
| % | 48.00 | 52.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 122.23 | 140.19 | 0.00 | 131.57 |
| % SAMP. WT. | 44.59 | 55.41 | 0.00 | 100.00 |

40

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 44 - EDYE PASSAGE

SAMPLE NUMBERS: 340,348,306,351

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: APR 2/83 - APR 4/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|--------------------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 0 | 21 | 39 | 36 | 172 | 70 | 12 | 4 | 2 | 43 | 399 |
| % AT AGE | 0.00 | 0.00 | 5.90 | 10.96 | 10.11 | 48.31 | 19.66 | 3.37 | 1.12 | 0.56 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 173.81 | 187.59 | 202.11 | 204.94 | 214.59 | 226.08 | 219.00 | 230.00 | 201.49 | 203.57 |
| - STD. DEV. | 0.00 | 0.00 | 8.54 | 12.69 | 10.02 | 11.55 | 13.51 | 10.62 | 18.20 | 2.83 | 17.86 | 16.49 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 78.81 | 103.05 | 123.92 | 134.34 | 152.64 | 168.42 | 170.00 | 201.50 | 125.35 | 131.38 |
| - STD. DEV. | 0.00 | 0.00 | 9.06 | 15.33 | 19.94 | 21.26 | 23.04 | 23.13 | 20.93 | 28.99 | 30.54 | 29.40 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|-------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 2 | 87 | 189 | 90 | 0 | 30 | 0 | 1 |
| % AT STAGE | 0.00 | 0.50 | 21.80 | 47.37 | 22.56 | 0.00 | 7.52 | 0.00 | 0.25 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 198 | 3 | 18 | 219 |
| % | 90.41 | 1.37 | 8.22 | 100.00 |
| % SAMPLE WEIGHT | 11.41 | 0.41 | 0.10 | 11.92 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 179 | 219 | 1 | 399 |
| % | 44.86 | 54.89 | 0.25 | 100.00 |
| MEAN WEIGHT | 135.11 | 128.26 | 145.00 | 131.38 |
| % SAMP. WT. | 46.14 | 53.59 | 0.28 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

=====

SECTION: 52 - KITKATLA CHANNEL

SAMPLE NUMBERS: 332,407,376,321,347,329,312,373,364,375,
326,356,336,419,339,309

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 17/83 - MAR 29/83

SPECIMENS AT EACH AGE:

=====

AGE

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| NO. AT AGE | 0 | 18 | 290 | 198 | 84 | 865 | 23 | 8 | 3 | 3 | 103 | 1595 |
| % AT AGE | 0.00 | 1.21 | 19.44 | 13.27 | 5.63 | 57.98 | 1.54 | 0.54 | 0.20 | 0.20 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 157.61 | 176.93 | 188.86 | 200.24 | 203.87 | 215.43 | 216.38 | 230.33 | 242.67 | 196.46 | 196.27 |
| - STD. DEV. | 0.00 | 7.95 | 9.60 | 11.39 | 11.84 | 10.11 | 12.27 | 16.75 | 8.96 | 16.29 | 18.49 | 16.09 |
| WEIGHT - MEAN(gm) | 0.00 | 60.33 | 84.60 | 104.33 | 124.75 | 136.76 | 157.17 | 163.25 | 198.33 | 209.00 | 121.01 | 121.42 |
| - STD. DEV. | 0.00 | 10.69 | 14.52 | 19.42 | 18.87 | 20.73 | 25.71 | 27.83 | 60.93 | 64.09 | 33.07 | 30.60 |

HJORT MATURITY STAGES:

=====

MATURITY STAGE

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
|--------------|------|------|------|-------|-------|------|------|------|---------|
| NO. AT STAGE | 2 | 8 | 50 | 243 | 1155 | 99 | 38 | 0 | 0 |
| % AT STAGE | 0.13 | 0.50 | 3.13 | 15.24 | 72.41 | 6.21 | 2.38 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

=====

IMMATURE MATURE SPENT TOTAL

| | | | | |
|-----------------|-------|-------|------|--------|
| NO. | 174 | 584 | 13 | 771 |
| % | 22.57 | 75.75 | 1.69 | 100.00 |
| % SAMPLE WEIGHT | 3.76 | 23.16 | 0.03 | 26.96 |

SEX RATIO:

=====

MALE FEMALE IMMATURE TOTAL

| | | | | |
|-------------|--------|--------|------|--------|
| NO. | 824 | 771 | 0 | 1595 |
| % | 51.66 | 48.34 | 0.00 | 100.00 |
| MEAN WEIGHT | 114.66 | 128.64 | 0.00 | 121.42 |
| % SAMP. WT. | 48.79 | 51.21 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 53 - ANGER ISLAND

SAMPLE NUMBERS: 330,308,417,354

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: APR 13/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 4 | 40 | 85 | 21 | 169 | 8 | 3 | 0 | 0 | 69 | 399 |
| % AT AGE | 0.00 | 1.21 | 12.12 | 25.76 | 6.36 | 51.21 | 2.42 | 0.91 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 167.25 | 179.48 | 192.38 | 196.81 | 204.56 | 212.25 | 226.33 | 0.00 | 0.00 | 196.23 | 197.54 |
| - STD. DEV. | 0.00 | 8.30 | 10.04 | 8.61 | 10.35 | 8.72 | 9.66 | 8.02 | 0.00 | 0.00 | 15.88 | 13.72 |
| WEIGHT - MEAN (gm) | 0.00 | 65.50 | 87.35 | 108.71 | 120.14 | 134.86 | 144.63 | 169.33 | 0.00 | 0.00 | 121.88 | 121.27 |
| - STD. DEV. | 0.00 | 13.08 | 15.63 | 16.92 | 19.32 | 23.01 | 20.26 | 14.57 | 0.00 | 0.00 | 32.90 | 28.44 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 3 | 361 | 35 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.75 | 90.48 | 8.77 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 2 | 203 | 0 | 205 |
| % | 0.98 | 99.02 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.20 | 27.94 | 0.00 | 28.14 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 194 | 205 | 0 | 399 |
| % | 48.62 | 51.38 | 0.00 | 100.00 |
| MEAN WEIGHT | 114.22 | 127.94 | 0.00 | 121.27 |
| % SAMP. WT. | 45.80 | 54.20 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 67 - KITASU BAY

SAMPLE NUMBERS: 276,111, 72,110, 85,428,420,290, 83, 82,
70

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 3/83 - APR 13/83

SPECIMENS AT EACH AGE:
=====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 6 | 56 | 139 | 95 | 586 | 45 | 28 | 10 | 2 | 80 | 1047 |
| % AT AGE | 0.00 | 0.62 | 5.79 | 14.37 | 9.82 | 60.60 | 4.65 | 2.90 | 1.03 | 0.21 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 158.33 | 179.71 | 190.63 | 199.85 | 205.36 | 207.80 | 215.00 | 231.60 | 230.50 | 192.27 | 200.93 |
| - STD. DEV. | 0.00 | 11.84 | 8.79 | 11.14 | 10.86 | 10.62 | 13.64 | 15.59 | 13.76 | 2.12 | 17.28 | 14.72 |
| WEIGHT - MEAN(gm) | 0.00 | 61.17 | 91.70 | 107.47 | 124.00 | 135.35 | 147.69 | 157.00 | 185.50 | 187.00 | 114.43 | 127.95 |
| - STD. DEV. | 0.00 | 10.63 | 14.62 | 16.39 | 18.65 | 21.51 | 23.03 | 26.75 | 37.09 | 38.18 | 31.25 | 27.21 |

HJORT MATURITY STAGES:
=====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 12 | 240 | 580 | 210 | 4 | 0 | 1 |
| % AT STAGE | 0.00 | 0.00 | 1.15 | 22.92 | 55.40 | 20.06 | 0.38 | 0.00 | 0.10 |

ROE MATURITY (FEMALE):
=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 183 | 377 | 0 | 560 |
| % | 32.68 | 67.32 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 6.56 | 19.04 | 0.00 | 25.60 |

SEX RATIO:
=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 486 | 560 | 1 | 1047 |
| % | 46.42 | 53.49 | 0.10 | 100.00 |
| MEAN WEIGHT | 121.86 | 133.27 | 108.00 | 127.95 |
| % SAMP. WT. | 44.21 | 55.71 | 0.08 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 71 - OTHER AREA 7

SAMPLE NUMBERS: 277,258

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 20/83 - MAR 22/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 18 | 86 | 13 | 45 | 5 | 1 | 2 | 0 | 28 | 198 |
| % AT AGE | 0.00 | 0.00 | 10.59 | 50.59 | 7.65 | 26.47 | 2.94 | 0.59 | 1.18 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 173.22 | 179.66 | 191.15 | 195.76 | 188.20 | 213.00 | 207.50 | 0.00 | 183.04 | 184.63 |
| - STD. DEV. | 0.00 | 0.00 | 11.09 | 13.92 | 16.28 | 13.96 | 14.18 | 0.00 | 10.61 | 0.00 | 20.14 | 16.67 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 71.50 | 81.13 | 97.46 | 113.27 | 93.60 | 153.00 | 130.00 | 0.00 | 84.36 | 90.26 |
| - STD. DEV. | 0.00 | 0.00 | 16.76 | 25.52 | 35.33 | 30.74 | 37.60 | 0.00 | 43.84 | 0.00 | 32.31 | 31.75 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 11 | 103 | 14 | 44 | 0 | 26 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 5.56 | 52.02 | 7.07 | 22.22 | 0.00 | 13.13 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 11 | 61 | 22 | 94 |
| % | 11.70 | 64.89 | 23.40 | 100.00 |
| % SAMPLE WEIGHT | 1.10 | 21.09 | 0.47 | 22.65 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 78 | 94 | 26 | 198 |
| % | 39.39 | 47.47 | 13.13 | 100.00 |
| MEAN WEIGHT | 87.94 | 100.35 | 60.75 | 90.26 |
| % SAMP. WT. | 38.38 | 52.78 | 8.84 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

=====

SECTION: 72 - POWELL ANCHORAGE

SAMPLE NUMBERS: 246,257, 63,169

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 2/83 - MAR 19/83

SPECIMENS AT EACH AGE:
=====

AGE

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| NO. AT AGE | 0 | 1 | 28 | 67 | 45 | 193 | 17 | 13 | 1 | 0 | 21 | 386 |
| % AT AGE | 0.00 | 0.27 | 7.67 | 18.36 | 12.33 | 52.88 | 4.66 | 3.56 | 0.27 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 173.00 | 182.29 | 195.54 | 204.62 | 211.14 | 213.24 | 220.15 | 254.00 | 0.00 | 204.43 | 205.62 |
| - STD. DEV. | 0.00 | 0.00 | 8.93 | 9.27 | 9.86 | 9.75 | 8.24 | 7.86 | 0.00 | 0.00 | 12.92 | 13.55 |
| WEIGHT - MEAN(gm) | 0.00 | 87.00 | 87.36 | 116.81 | 133.11 | 147.17 | 152.24 | 169.38 | 289.00 | 0.00 | 134.52 | 136.42 |
| - STD. DEV. | 0.00 | 0.00 | 15.01 | 18.95 | 19.25 | 21.27 | 19.64 | 24.55 | 0.00 | 0.00 | 29.87 | 29.03 |

HJORT MATURITY STAGES:
=====

MATURITY STAGE

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
|--------------|------|------|------|-------|-------|------|------|------|---------|
| NO. AT STAGE | 0 | 0 | 0 | 143 | 224 | 19 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 37.05 | 58.03 | 4.92 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
=====

SEX RATIO:
=====

| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
|-----------------|----------|--------|-------|--------|-------------|--------|--------|----------|--------|
| NO. | 97 | 116 | 0 | 213 | NO. | 173 | 213 | 0 | 386 |
| % | 45.54 | 54.46 | 0.00 | 100.00 | % | 44.82 | 55.18 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 10.81 | 17.24 | 0.00 | 28.05 | MEAN WEIGHT | 128.06 | 143.21 | 0.00 | 136.42 |
| | | | | | % SAMP. WT. | 42.07 | 57.93 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 74 - THOMPSON BAY

SAMPLE NUMBERS: 267,113,137,223,156,234,162,140,298, 64,
203,239,142, 62,112, 87,160, 86, 66,129,
135, 67,230, 65,141, 93,130, 68

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 1/83 - MAR 18/83

SPECIMENS AT EACH AGE:
=====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 20 | 197 | 344 | 282 | 1466 | 142 | 77 | 16 | 7 | 142 | 2693 |
| % AT AGE | 0.00 | 0.78 | 7.72 | 13.48 | 11.05 | 57.47 | 5.57 | 3.02 | 0.63 | 0.27 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 160.90 | 181.10 | 194.83 | 202.99 | 209.41 | 210.94 | 216.44 | 226.63 | 232.86 | 203.29 | 204.57 |
| - STD. DEV. | 0.00 | 10.22 | 10.66 | 9.48 | 9.32 | 9.22 | 10.39 | 9.97 | 9.63 | 19.19 | 15.21 | 13.74 |
| WEIGHT - MEAN(gm) | 0.00 | 60.80 | 90.91 | 114.55 | 129.63 | 143.57 | 148.23 | 155.01 | 175.00 | 183.43 | 132.98 | 134.24 |
| - STD. DEV. | 0.00 | 10.54 | 16.22 | 17.67 | 18.31 | 18.41 | 19.57 | 21.53 | 26.53 | 37.00 | 29.01 | 26.05 |

HJORT MATURITY STAGES:
=====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 0 | 10 | 1022 | 1392 | 267 | 0 | 0 | 1 |
| % AT STAGE | 0.04 | 0.00 | 0.37 | 37.95 | 51.69 | 9.91 | 0.00 | 0.00 | 0.04 |

ROE MATURITY (FEMALE):
=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 843 | 605 | 0 | 1448 |
| % | 58.22 | 41.78 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 14.06 | 13.07 | 0.00 | 27.13 |

SEX RATIO:
=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 1242 | 1448 | 3 | 2693 |
| % | 46.12 | 53.77 | 0.11 | 100.00 |
| MEAN WEIGHT | 126.36 | 141.02 | 124.00 | 134.24 |
| % SAMP. WT. | 43.41 | 56.48 | 0.10 | 100.00 |

15

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 85 - KWAKSHUA CHANNEL

SAMPLE NUMBERS: 202

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 6/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 11 | 33 | 8 | 31 | 3 | 7 | 3 | 0 | 4 | 100 |
| % AT AGE | 0.00 | 0.00 | 11.46 | 34.38 | 8.33 | 32.29 | 3.13 | 7.29 | 3.13 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 179.09 | 189.09 | 198.13 | 201.19 | 202.67 | 206.57 | 220.00 | 0.00 | 182.25 | 194.75 |
| - STD. DEV. | 0.00 | 0.00 | 8.54 | 8.69 | 8.72 | 8.79 | 4.04 | 12.05 | 8.54 | 0.00 | 9.84 | 12.78 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 77.91 | 95.12 | 107.00 | 116.03 | 111.67 | 126.71 | 141.33 | 0.00 | 83.75 | 104.30 |
| - STD. DEV. | 0.00 | 0.00 | 13.03 | 14.38 | 14.42 | 19.30 | 4.51 | 22.54 | 20.98 | 0.00 | 14.91 | 22.44 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 1 | 58 | 37 | 1 | 3 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 1.00 | 58.00 | 37.00 | 1.00 | 3.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 45 | 1 | 1 | 47 |
| % | 95.74 | 2.13 | 2.13 | 100.00 |
| % SAMPLE WEIGHT | 21.61 | 0.44 | 0.10 | 22.15 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 53 | 47 | 0 | 100 |
| % | 53.00 | 47.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 97.89 | 111.53 | 0.00 | 104.30 |
| % SAMP. WT. | 49.74 | 50.26 | 0.00 | 100.00 |

- 56 -

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 123 - CRACROFT ISLAND

SAMPLE NUMBERS: 236

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 17/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|--------------------|------|------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 0 | 16 | 9 | 8 | 35 | 7 | 14 | 6 | 0 | 5 | 100 |
| % AT AGE | 0.00 | 0.00 | 16.84 | 9.47 | 8.42 | 36.84 | 7.37 | 14.74 | 6.32 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 174.25 | 179.78 | 192.13 | 207.97 | 218.00 | 224.14 | 225.67 | 0.00 | 204.60 | 202.63 |
| - STD. DEV. | 0.00 | 0.00 | 8.79 | 12.41 | 10.79 | 11.55 | 13.59 | 11.56 | 8.24 | 0.00 | 15.37 | 20.76 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 89.06 | 108.00 | 124.38 | 156.34 | 173.43 | 185.86 | 186.50 | 0.00 | 137.80 | 144.88 |
| - STD. DEV. | 0.00 | 0.00 | 15.16 | 13.59 | 23.42 | 25.72 | 41.34 | 25.15 | 17.07 | 0.00 | 29.52 | 40.77 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 4 | 42 | 51 | 2 | 0 | 0 | 1 |
| % AT STAGE | 0.00 | 0.00 | 4.00 | 42.00 | 51.00 | 2.00 | 0.00 | 0.00 | 1.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 39 | 9 | 0 | 48 |
| % | 81.25 | 18.75 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 18.44 | 4.55 | 0.00 | 22.99 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 51 | 48 | 1 | 100 |
| % | 51.00 | 48.00 | 1.00 | 100.00 |
| MEAN WEIGHT | 137.53 | 152.96 | 132.00 | 144.88 |
| % SAMP. WT. | 48.41 | 50.68 | 0.91 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 127 - KNIGHT INLET

SAMPLE NUMBERS: 126

SOURCE: PRE-FISHERY CHARTER

GEAR: OTHER

DATE: MAR 16/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 1 | 2 | 10 | 7 | 71 | 4 | 0 | 1 | 0 | 4 | 100 |
| % AT AGE | 0.00 | 1.04 | 2.08 | 10.42 | 7.29 | 73.96 | 4.17 | 0.00 | 1.04 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 164.00 | 155.50 | 178.60 | 188.14 | 187.25 | 198.50 | 0.00 | 203.00 | 0.00 | 191.25 | 186.35 |
| - STD. DEV. | 0.00 | 0.00 | 2.12 | 8.75 | 5.58 | 9.53 | 8.06 | 0.00 | 0.00 | 0.00 | 21.23 | 11.59 |
| WEIGHT - MEAN(gm) | 0.00 | 54.00 | 61.00 | 77.30 | 89.00 | 87.35 | 101.00 | 0.00 | 104.00 | 0.00 | 95.25 | 86.63 |
| - STD. DEV. | 0.00 | 0.00 | 1.41 | 10.92 | 11.86 | 14.92 | 6.48 | 0.00 | 0.00 | 0.00 | 33.09 | 16.10 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 0 | 15 | 55 | 30 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.00 | 15.00 | 55.00 | 30.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 0 | 30 | 12 | 42 |
| % | 0.00 | 71.43 | 28.57 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 11.23 | 0.46 | 11.68 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 58 | 42 | 0 | 100 |
| % | 58.00 | 42.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 85.17 | 88.64 | 0.00 | 86.63 |
| % SAMP. WT. | 57.02 | 42.98 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 132 - KANISH BAY

SAMPLE NUMBERS: 14,131

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 26/83 - MAR 18/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|------|------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 5 | 114 | 28 | 15 | 15 | 0 | 0 | 1 | 0 | 20 | 198 |
| % AT AGE | 0.00 | 2.81 | 64.04 | 15.73 | 8.43 | 8.43 | 0.00 | 0.00 | 0.56 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 161.20 | 179.27 | 189.71 | 201.87 | 207.27 | 0.00 | 0.00 | 233.00 | 0.00 | 188.35 | 185.31 |
| - STD. DEV. | 0.00 | 8.56 | 8.25 | 9.52 | 9.13 | 14.08 | 0.00 | 0.00 | 0.00 | 0.00 | 11.42 | 13.93 |
| WEIGHT - MEAN (gm) | 0.00 | 52.80 | 75.93 | 92.18 | 109.53 | 120.93 | 0.00 | 0.00 | 180.00 | 0.00 | 87.00 | 85.24 |
| - STD. DEV. | 0.00 | 4.71 | 9.98 | 16.23 | 13.39 | 24.89 | 0.00 | 0.00 | 0.00 | 0.00 | 14.68 | 21.04 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 1 | 5 | 3 | 131 | 28 | 0 | 30 | 0 | 0 |
| % AT STAGE | 0.51 | 2.53 | 1.52 | 66.16 | 14.14 | 0.00 | 15.15 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 80 | 4 | 8 | 92 |
| % | 86.96 | 4.35 | 8.70 | 100.00 |
| % SAMPLE WEIGHT | 12.11 | 1.16 | 0.16 | 13.43 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 106 | 92 | 0 | 198 |
| % | 53.54 | 46.46 | 0.00 | 100.00 |
| MEAN WEIGHT | 83.58 | 87.16 | 0.00 | 85.24 |
| % SAMP. WT. | 52.49 | 47.51 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 136 - OTHER AREA 13 GULF

SAMPLE NUMBERS: 39, 41, 35

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 28/83 - MAR 1/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 1 | 154 | 61 | 32 | 17 | 5 | 1 | 0 | 1 | 27 | 299 |
| % AT AGE | 0.00 | 0.37 | 56.62 | 22.43 | 11.76 | 6.25 | 1.84 | 0.37 | 0.00 | 0.37 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 166.00 | 176.18 | 187.85 | 198.47 | 206.88 | 202.40 | 212.00 | 0.00 | 226.00 | 179.11 | 183.65 |
| - STD. DEV. | 0.00 | 0.00 | 8.73 | 10.60 | 9.92 | 11.08 | 8.50 | 0.00 | 0.00 | 0.00 | 15.78 | 14.34 |
| WEIGHT - MEAN(gm) | 0.00 | 61.00 | 77.61 | 96.62 | 115.22 | 127.00 | 124.80 | 123.00 | 0.00 | 165.00 | 85.52 | 90.21 |
| - STD. DEV. | 0.00 | 0.00 | 10.66 | 14.26 | 21.16 | 19.49 | 14.27 | 0.00 | 0.00 | 0.00 | 20.66 | 22.10 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 2 | 1 | 0 | 261 | 31 | 4 | 0 | 0 | 0 |
| % AT STAGE | 0.67 | 0.33 | 0.00 | 87.29 | 10.37 | 1.34 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 145 | 11 | 0 | 156 |
| % | 92.95 | 7.05 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 17.72 | 2.42 | 0.00 | 20.15 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 142 | 156 | 0 | 298 |
| % | 47.65 | 52.35 | 0.00 | 100.00 |
| MEAN WEIGHT | 89.28 | 90.99 | 0.00 | 90.18 |
| % SAMP. WT. | 47.18 | 52.82 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 137 - HERIOT BAY

SAMPLE NUMBERS: 138

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 14/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 0 | 45 | 25 | 11 | 6 | 1 | 1 | 0 | 0 | 10 | 99 |
| % AT AGE | 0.00 | 0.00 | 50.56 | 28.09 | 12.36 | 6.74 | 1.12 | 1.12 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 178.09 | 187.92 | 198.91 | 199.67 | 217.00 | 207.00 | 0.00 | 0.00 | 182.10 | 185.28 |
| - STD. DEV. | 0.00 | 0.00 | 7.57 | 10.49 | 7.06 | 12.14 | 0.00 | 0.00 | 0.00 | 0.00 | 14.83 | 12.67 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 79.31 | 100.24 | 115.55 | 114.67 | 155.00 | 115.00 | 0.00 | 0.00 | 88.40 | 92.81 |
| - STD. DEV. | 0.00 | 0.00 | 9.79 | 22.85 | 13.29 | 19.17 | 0.00 | 0.00 | 0.00 | 0.00 | 25.15 | 22.30 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 10 | 81 | 6 | 2 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 10.10 | 81.82 | 6.06 | 2.02 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 7 | 42 | 0 | 49 |
| % | 14.29 | 85.71 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 2.82 | 20.80 | 0.00 | 23.62 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 50 | 49 | 0 | 99 |
| % | 50.51 | 49.49 | 0.00 | 100.00 |
| MEAN WEIGHT | 91.72 | 93.92 | 0.00 | 92.81 |
| % SAMP. WT. | 49.91 | 50.09 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 142 - BAYNES SOUND

SAMPLE NUMBERS: 15,217, 28,122, 12,247,221,170,243, 25

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 18/83 - MAR 18/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 23 | 277 | 274 | 166 | 68 | 15 | 17 | 8 | 1 | 146 | 995 |
| % AT AGE | 0.00 | 2.71 | 32.63 | 32.27 | 19.55 | 8.01 | 1.77 | 2.00 | 0.94 | 0.12 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 164.70 | 181.17 | 198.81 | 207.98 | 213.31 | 219.07 | 227.59 | 233.63 | 240.00 | 200.60 | 197.01 |
| - STD. DEV. | 0.00 | 9.90 | 10.43 | 10.15 | 10.33 | 9.19 | 7.71 | 9.09 | 9.43 | 0.00 | 14.72 | 17.02 |
| WEIGHT - MEAN(gm) | 0.00 | 62.35 | 86.92 | 118.53 | 138.51 | 149.79 | 161.20 | 176.65 | 183.50 | 229.00 | 121.67 | 116.63 |
| - STD. DEV. | 0.00 | 9.51 | 17.40 | 23.22 | 25.32 | 27.38 | 18.06 | 23.53 | 35.68 | 0.00 | 29.66 | 34.00 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|-------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 2 | 0 | 2 | 449 | 396 | 40 | 106 | 0 | 0 |
| % AT STAGE | 0.20 | 0.00 | 0.20 | 45.13 | 39.80 | 4.02 | 10.65 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | | | | | SEX RATIO: ===== | | | | |
|---------------------------------|----------|--------|-------|--------|---------------------|--------|--------|----------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 304 | 201 | 49 | 554 | NO. | 441 | 554 | 0 | 995 |
| % | 54.87 | 36.28 | 8.84 | 100.00 | % | 44.32 | 55.68 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 12.51 | 11.05 | 0.10 | 23.66 | MEAN WEIGHT | 110.98 | 121.13 | 0.00 | 116.63 |
| | | | | | % SAMP. WT. | 42.17 | 57.83 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

=====

SECTION: 143 - QUALICUM

SAMPLE NUMBERS: 268

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 1/83

SPECIMENS AT EACH AGE:

=====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 3 | 12 | 32 | 19 | 13 | 6 | 7 | 1 | 1 | 6 | 100 |
| % AT AGE | 0.00 | 3.19 | 12.77 | 34.04 | 20.21 | 13.83 | 6.38 | 7.45 | 1.06 | 1.06 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 155.67 | 184.50 | 193.16 | 199.21 | 201.46 | 206.17 | 217.43 | 230.00 | 220.00 | 195.17 | 196.46 |
| - STD. DEV. | 0.00 | 2.08 | 6.87 | 7.14 | 9.21 | 7.33 | 6.79 | 7.83 | 0.00 | 0.00 | 9.91 | 13.57 |
| WEIGHT - MEAN(gm) | 0.00 | 57.33 | 96.17 | 122.59 | 133.53 | 141.00 | 146.00 | 178.71 | 177.00 | 193.00 | 128.67 | 128.88 |
| - STD. DEV. | 0.00 | 6.81 | 15.60 | 18.73 | 27.59 | 18.18 | 26.73 | 19.58 | 0.00 | 0.00 | 30.81 | 31.67 |

HJORT MATURITY STAGES:

=====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 6 | 68 | 5 | 21 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 6.00 | 68.00 | 5.00 | 21.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 5 | 25 | 14 | 44 |
| % | 11.36 | 56.82 | 31.82 | 100.00 |
| % SAMPLE WEIGHT | 2.10 | 18.11 | 0.37 | 20.57 |

SEX RATIO:

=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 56 | 44 | 0 | 100 |
| % | 56.00 | 44.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 132.41 | 124.39 | 0.00 | 128.88 |
| % SAMP. WT. | 57.53 | 42.47 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 144 - FRENCH CREEK

SAMPLE NUMBERS: 299,224

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 2/83 - MAR 10/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 1 | 33 | 61 | 48 | 18 | 7 | 7 | 5 | 0 | 19 | 199 |
| % AT AGE | 0.00 | 0.56 | 18.33 | 33.89 | 26.67 | 10.00 | 3.89 | 3.89 | 2.78 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 161.00 | 178.79 | 189.08 | 199.40 | 205.28 | 211.14 | 210.14 | 224.80 | 0.00 | 194.68 | 194.14 |
| - STD. DEV. | 0.00 | 0.00 | 10.64 | 9.00 | 9.41 | 7.89 | 12.72 | 10.32 | 8.41 | 0.00 | 11.02 | 14.27 |
| WEIGHT - MEAN(gm) | 0.00 | 55.00 | 88.91 | 108.21 | 134.17 | 146.11 | 156.86 | 168.00 | 201.20 | 0.00 | 121.21 | 121.82 |
| - STD. DEV. | 0.00 | 0.00 | 13.85 | 19.43 | 23.43 | 22.13 | 20.21 | 16.62 | 27.25 | 0.00 | 28.43 | 32.49 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 7 | 151 | 7 | 34 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 3.52 | 75.88 | 3.52 | 17.09 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 2 | 76 | 18 | 96 |
| % | 2.08 | 79.17 | 18.75 | 100.00 |
| % SAMPLE WEIGHT | 0.28 | 22.60 | 0.08 | 22.97 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 103 | 96 | 0 | 199 |
| % | 51.76 | 48.24 | 0.00 | 100.00 |
| MEAN WEIGHT | 119.79 | 124.01 | 0.00 | 121.82 |
| % SAMP. WT. | 50.89 | 49.11 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 152 - LUND

SAMPLE NUMBERS: 270,155,228, 50, 75, 32,124,163,305,150,
 55, 81, 24, 89, 78, 92, 90, 88, 56, 40,
 235,172, 71, 76,289,244,157, 31, 37, 19,
 30, 38, 20,237, 80,241, 18, 61, 36,152,
 52,151,159

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 16/83 - MAR 17/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 22 | 1379 | 1050 | 659 | 532 | 125 | 135 | 44 | 9 | 301 | 4256 |
| % AT AGE | 0.00 | 0.56 | 34.87 | 26.55 | 16.66 | 13.45 | 3.16 | 3.41 | 1.11 | 0.23 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 162.73 | 180.81 | 194.82 | 202.28 | 205.89 | 213.02 | 217.21 | 222.18 | 237.33 | 196.91 | 194.42 |
| - STD. DEV. | 0.00 | 9.28 | 8.78 | 10.02 | 9.14 | 10.06 | 10.05 | 10.81 | 12.56 | 8.19 | 14.46 | 15.14 |
| WEIGHT - MEAN(gm) | 0.00 | 59.41 | 83.07 | 106.38 | 121.25 | 128.49 | 142.34 | 149.68 | 161.50 | 201.56 | 110.01 | 107.11 |
| - STD. DEV. | 0.00 | 7.20 | 12.92 | 17.09 | 18.13 | 20.10 | 20.43 | 23.72 | 28.89 | 23.55 | 25.03 | 27.25 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 2 | 5 | 22 | 1498 | 2174 | 351 | 204 | 0 | 0 |
| % AT STAGE | 0.05 | 0.12 | 0.52 | 35.20 | 51.08 | 8.25 | 4.79 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 1071 | 1140 | 84 | 2295 |
| % | 46.67 | 49.67 | 3.66 | 100.00 |
| % SAMPLE WEIGHT | 8.86 | 13.31 | 0.05 | 22.22 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 1958 | 2295 | 3 | 4256 |
| % | 46.01 | 53.92 | 0.07 | 100.00 |
| MEAN WEIGHT | 104.09 | 109.73 | 78.33 | 107.11 |
| % SAMP. WT. | 44.71 | 55.24 | 0.05 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 162 - STILLWATER

SAMPLE NUMBERS: 16,165,153,215, 91,164

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 24/83 - MAR 9/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 5 | 238 | 142 | 69 | 53 | 8 | 9 | 3 | 0 | 66 | 593 |
| % AT AGE | 0.00 | 0.95 | 45.16 | 26.94 | 13.09 | 10.06 | 1.52 | 1.71 | 0.57 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 152.00 | 178.68 | 192.92 | 202.78 | 201.66 | 207.75 | 209.11 | 218.67 | 0.00 | 194.39 | 189.53 |
| - STD. DEV. | 0.00 | 4.30 | 9.73 | 11.20 | 8.92 | 9.78 | 15.41 | 12.13 | 4.16 | 0.00 | 13.99 | 14.99 |
| WEIGHT - MEAN(gm) | 0.00 | 54.60 | 85.86 | 109.89 | 127.10 | 124.66 | 140.75 | 153.89 | 146.67 | 0.00 | 114.03 | 104.83 |
| - STD. DEV. | 0.00 | 11.35 | 11.38 | 14.26 | 14.25 | 19.59 | 21.14 | 24.15 | 8.74 | 0.00 | 24.36 | 23.97 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 4 | 221 | 351 | 17 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.67 | 37.27 | 59.19 | 2.87 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 156 | 211 | 0 | 367 |
| % | 42.51 | 57.49 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 8.43 | 14.71 | 0.00 | 23.14 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 226 | 367 | 0 | 593 |
| % | 38.11 | 61.89 | 0.00 | 100.00 |
| MEAN WEIGHT | 99.59 | 108.06 | 0.00 | 104.83 |
| % SAMP. WT. | 36.20 | 63.80 | 0.00 | 100.00 |

106

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 216, 69,148,161,304, 26, 33,133, 29

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 23/83 - MAR 18/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 63 | 187 | 180 | 168 | 74 | 26 | 43 | 18 | 9 | 124 | 892 |
| % AT AGE | 0.00 | 8.20 | 24.35 | 23.44 | 21.88 | 9.64 | 3.39 | 5.60 | 2.34 | 1.17 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 158.83 | 182.86 | 198.76 | 210.50 | 216.39 | 222.08 | 228.74 | 229.56 | 239.44 | 199.53 | 199.54 |
| - STD. DEV. | 0.00 | 7.84 | 10.86 | 9.44 | 10.00 | 10.44 | 12.37 | 12.36 | 13.01 | 11.56 | 19.28 | 21.31 |
| WEIGHT - MEAN (gm) | 0.00 | 56.48 | 85.54 | 111.38 | 143.95 | 148.32 | 160.23 | 185.14 | 188.11 | 201.67 | 118.43 | 119.70 |
| - STD. DEV. | 0.00 | 10.32 | 15.61 | 19.88 | 29.17 | 31.86 | 32.71 | 35.60 | 34.72 | 32.48 | 41.39 | 43.32 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 7 | 73 | 428 | 127 | 14 | 238 | 0 | 4 |
| % AT STAGE | 0.11 | 0.78 | 8.18 | 47.98 | 14.24 | 1.57 | 26.68 | 0.00 | 0.45 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 331 | 19 | 111 | 461 |
| % | 71.80 | 4.12 | 24.08 | 100.00 |
| % SAMPLE WEIGHT | 12.51 | 0.73 | 0.36 | 13.61 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 427 | 461 | 4 | 892 |
| % | 47.87 | 51.68 | 0.45 | 100.00 |
| MEAN WEIGHT | 117.43 | 122.19 | 75.25 | 119.70 |
| % SAMP. WT. | 46.96 | 52.76 | 0.28 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

=====

SECTION: 172 - NANOOSE BAY

SAMPLE NUMBERS: 74, 59,226, 43, 58,296, 57,149,233,297

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 26/83 - MAR 4/83

SPECIMENS AT EACH AGE:

=====

| | AGE | | | | | | | | | | | |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 130 | 324 | 251 | 97 | 46 | 13 | 5 | 6 | 1 | 99 | 972 |
| % AT AGE | 0.00 | 14.89 | 37.11 | 28.75 | 11.11 | 5.27 | 1.49 | 0.57 | 0.69 | 0.11 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 159.67 | 182.72 | 199.54 | 209.19 | 218.33 | 224.08 | 227.80 | 227.83 | 237.00 | 192.09 | 190.38 |
| - STD. DEV. | 0.00 | 8.22 | 11.12 | 10.98 | 10.09 | 8.19 | 10.28 | 11.69 | 12.83 | 0.00 | 17.64 | 20.05 |
| WEIGHT - MEAN (gm) | 0.00 | 57.63 | 88.72 | 117.98 | 138.22 | 158.96 | 172.23 | 172.20 | 180.50 | 200.00 | 105.41 | 104.31 |
| - STD. DEV. | 0.00 | 8.62 | 16.46 | 22.62 | 24.91 | 22.87 | 26.94 | 22.25 | 27.25 | 0.00 | 32.43 | 35.31 |

HJORT MATURITY STAGES:

=====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 5 | 0 | 14 | 325 | 523 | 46 | 59 | 0 | 0 |
| % AT STAGE | 0.51 | 0.00 | 1.44 | 33.44 | 53.81 | 4.73 | 6.07 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 226 | 267 | 28 | 521 |
| % | 43.38 | 51.25 | 5.37 | 100.00 |
| % SAMPLE WEIGHT | 6.96 | 16.59 | 0.09 | 23.64 |

SEX RATIO:

=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 451 | 521 | 0 | 972 |
| % | 46.40 | 53.60 | 0.00 | 100.00 |
| MEAN WEIGHT | 100.45 | 107.65 | 0.00 | 104.31 |
| % SAMP. WT. | 44.68 | 55.32 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 173 - YELLOW POINT

SAMPLE NUMBERS: 199, 94, 154, 229, 220, 84, 34, 46, 23

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 22/83 - MAR 14/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 41 | 269 | 220 | 134 | 64 | 16 | 23 | 4 | 1 | 124 | 896 |
| % AT AGE | 0.00 | 5.31 | 34.84 | 28.50 | 17.36 | 8.29 | 2.07 | 2.98 | 0.52 | 0.13 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 161.78 | 183.20 | 197.65 | 206.90 | 214.75 | 221.75 | 224.78 | 232.00 | 249.00 | 195.51 | 195.32 |
| - STD. DEV. | 0.00 | 8.03 | 10.91 | 10.33 | 9.33 | 9.64 | 9.95 | 11.49 | 3.16 | 0.00 | 14.09 | 17.45 |
| WEIGHT - MEAN (gm) | 0.00 | 59.37 | 88.87 | 115.07 | 132.32 | 152.16 | 153.44 | 171.96 | 202.75 | 198.00 | 111.06 | 111.96 |
| - STD. DEV. | 0.00 | 8.42 | 16.23 | 20.80 | 23.05 | 23.78 | 29.22 | 28.24 | 5.56 | 0.00 | 29.95 | 33.16 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|-------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 4 | 244 | 448 | 58 | 142 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.45 | 27.23 | 50.00 | 6.47 | 15.85 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 153 | 233 | 58 | 444 |
| % | 34.46 | 52.48 | 13.06 | 100.00 |
| % SAMPLE WEIGHT | 7.62 | 11.95 | 0.16 | 19.72 |

| SEX RATIO: ===== | SEX RATIO: | | | |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 452 | 444 | 0 | 896 |
| % | 50.45 | 49.55 | 0.00 | 100.00 |
| MEAN WEIGHT | 105.24 | 118.80 | 0.00 | 111.96 |
| % SAMP. WT. | 47.42 | 52.58 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 181 - OTHER AREA 18

SAMPLE NUMBERS: 21,121,143,219

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 25/83 - MAR 10/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 12 | 101 | 111 | 51 | 27 | 10 | 9 | 7 | 1 | 65 | 394 |
| % AT AGE | 0.00 | 3.65 | 30.70 | 33.74 | 15.50 | 8.21 | 3.04 | 2.74 | 2.13 | 0.30 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 164.25 | 186.70 | 200.07 | 207.37 | 215.44 | 219.30 | 226.00 | 234.57 | 232.00 | 199.60 | 199.25 |
| - STD. DEV. | 0.00 | 8.70 | 8.57 | 9.41 | 9.25 | 9.36 | 5.91 | 11.97 | 11.18 | 0.00 | 18.23 | 16.68 |
| WEIGHT - MEAN (gm) | 0.00 | 60.17 | 83.23 | 101.21 | 117.14 | 135.78 | 137.90 | 151.44 | 179.86 | 152.00 | 107.05 | 104.35 |
| - STD. DEV. | 0.00 | 9.58 | 12.75 | 17.04 | 21.97 | 25.30 | 15.55 | 23.88 | 34.56 | 0.00 | 33.61 | 30.04 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|-------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 2 | 0 | 0 | 68 | 52 | 4 | 267 | 0 | 1 |
| % AT STAGE | 0.51 | 0.00 | 0.00 | 17.26 | 13.20 | 1.02 | 67.77 | 0.00 | 0.25 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: ===== | | | | | | | | |
|---------------------------------|---------------------|--------|-------|--------|-------------|--------|----------|--------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL | |
| NO. | 44 | 7 | 116 | 167 | 226 | 167 | 1 | 394 | |
| % | 26.35 | 4.19 | 69.46 | 100.00 | 57.36 | 42.39 | 0.25 | 100.00 | |
| % SAMPLE WEIGHT | 6.93 | 1.10 | 1.36 | 9.39 | MEAN WEIGHT | 103.12 | 106.35 | 48.00 | 104.35 |
| | | | | | % SAMP. WT. | 56.68 | 43.20 | 0.12 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 183 - PLUMPER SOUND

SAMPLE NUMBERS: 134, 22

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 24/83 - MAR 16/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 3 | 44 | 56 | 23 | 19 | 6 | 4 | 5 | 0 | 38 | 198 |
| % AT AGE | 0.00 | 1.88 | 27.50 | 35.00 | 14.38 | 11.88 | 3.75 | 2.50 | 3.13 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 172.67 | 186.45 | 199.50 | 210.65 | 218.53 | 225.67 | 225.25 | 230.40 | 0.00 | 199.45 | 201.40 |
| - STD. DEV. | 0.00 | 4.04 | 9.90 | 8.88 | 6.92 | 9.60 | 9.18 | 11.41 | 7.67 | 0.00 | 16.04 | 16.26 |
| WEIGHT - MEAN (gm) | 0.00 | 67.33 | 84.82 | 104.45 | 128.96 | 154.21 | 167.83 | 142.25 | 181.80 | 0.00 | 109.84 | 112.82 |
| - STD. DEV. | 0.00 | 7.64 | 13.21 | 18.24 | 27.83 | 28.22 | 28.88 | 38.11 | 26.70 | 0.00 | 32.31 | 34.63 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 1 | 4 | 88 | 10 | 1 | 94 | 0 | 0 |
| % AT STAGE | 0.00 | 0.51 | 2.02 | 44.44 | 5.05 | 0.51 | 47.47 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 47 | 4 | 44 | 95 |
| % | 49.47 | 4.21 | 46.32 | 100.00 |
| % SAMPLE WEIGHT | 11.20 | 1.34 | 0.77 | 13.31 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 103 | 95 | 0 | 198 |
| % | 52.02 | 47.98 | 0.00 | 100.00 |
| MEAN WEIGHT | 111.67 | 114.06 | 0.00 | 112.82 |
| % SAMP. WT. | 51.49 | 48.51 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 231 - OTHER AREA 23

SAMPLE NUMBERS: 167,171

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 27/83 - MAR 11/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 4 | 22 | 46 | 44 | 28 | 13 | 8 | 1 | 2 | 32 | 200 |
| % AT AGE | 0.00 | 2.38 | 13.10 | 27.38 | 26.19 | 16.67 | 7.74 | 4.76 | 0.60 | 1.19 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 160.75 | 186.77 | 200.54 | 210.61 | 216.96 | 224.69 | 226.13 | 224.00 | 236.50 | 200.81 | 205.86 |
| - STD. DEV. | 0.00 | 6.13 | 11.66 | 10.24 | 9.07 | 6.05 | 6.56 | 6.15 | 0.00 | 0.71 | 15.40 | 16.34 |
| WEIGHT - MEAN(gm) | 0.00 | 56.25 | 92.95 | 119.80 | 141.09 | 159.18 | 171.85 | 169.13 | 176.00 | 191.00 | 120.84 | 132.29 |
| - STD. DEV. | 0.00 | 9.74 | 19.20 | 21.40 | 20.92 | 17.18 | 17.67 | 21.97 | 0.00 | 31.11 | 35.90 | 34.41 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 3 | 117 | 78 | 2 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 1.50 | 58.50 | 39.00 | 1.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 2 | 101 | 0 | 103 |
| % | 1.94 | 98.06 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.21 | 30.67 | 0.00 | 30.88 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 97 | 103 | 0 | 200 |
| % | 48.50 | 51.50 | 0.00 | 100.00 |
| MEAN WEIGHT | 125.20 | 138.97 | 0.00 | 132.29 |
| % SAMP. WT. | 45.90 | 54.10 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 232 - MACOAH PASS

SAMPLE NUMBERS: 166,280,293, 51,125,225,240, 53, 73

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE
OTHER

DATE: FEB 24/83 - MAR 15/83

SPECIMENS AT EACH AGE:
=====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 36 | 163 | 183 | 184 | 132 | 24 | 37 | 9 | 11 | 95 | 874 |
| % AT AGE | 0.00 | 4.62 | 20.92 | 23.49 | 23.62 | 16.94 | 3.08 | 4.75 | 1.16 | 1.41 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 159.86 | 186.48 | 200.05 | 209.75 | 218.14 | 222.50 | 227.16 | 234.67 | 234.36 | 201.47 | 203.35 |
| - STD. DEV. | 0.00 | 6.35 | 9.38 | 8.84 | 8.74 | 7.65 | 9.11 | 9.12 | 5.07 | 6.87 | 17.17 | 18.14 |
| WEIGHT - MEAN(gm) | 0.00 | 59.47 | 95.15 | 119.98 | 139.58 | 161.30 | 175.92 | 180.43 | 210.22 | 191.82 | 125.93 | 129.80 |
| - STD. DEV. | 0.00 | 7.71 | 16.27 | 19.82 | 23.08 | 23.53 | 21.00 | 25.78 | 25.72 | 20.33 | 36.26 | 37.71 |

HJORT MATURITY STAGES:
=====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 2 | 2 | 69 | 584 | 120 | 96 | 0 | 1 |
| % AT STAGE | 0.00 | 0.23 | 0.23 | 7.89 | 66.82 | 13.73 | 10.98 | 0.00 | 0.11 |

ROE MATURITY (FEMALE):
=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 53 | 310 | 39 | 402 |
| % | 13.18 | 77.11 | 9.70 | 100.00 |
| % SAMPLE WEIGHT | 2.70 | 24.18 | 0.12 | 27.00 |

SEX RATIO:
=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 471 | 402 | 1 | 874 |
| % | 53.89 | 46.00 | 0.11 | 100.00 |
| MEAN WEIGHT | 123.28 | 137.48 | 112.00 | 129.80 |
| % SAMP. WT. | 51.18 | 48.72 | 0.10 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 238 - OFFSHORE AREA 23

SAMPLE NUMBERS: 127

SOURCE: PRE-FISHERY CHARTER

GEAR: OTHER

DATE: MAR 15/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 3 | 22 | 27 | 16 | 22 | 3 | 0 | 0 | 0 | 7 | 100 |
| % AT AGE | 0.00 | 3.23 | 23.66 | 29.03 | 17.20 | 23.66 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 156.67 | 176.36 | 189.93 | 198.19 | 203.73 | 218.00 | 0.00 | 0.00 | 0.00 | 194.57 | 191.47 |
| - STD. DEV. | 0.00 | 4.93 | 8.04 | 7.03 | 8.36 | 7.66 | 13.11 | 0.00 | 0.00 | 0.00 | 13.70 | 14.69 |
| WEIGHT - MEAN(gm) | 0.00 | 61.33 | 94.64 | 110.70 | 140.75 | 156.32 | 178.33 | 0.00 | 0.00 | 0.00 | 120.00 | 123.21 |
| - STD. DEV. | 0.00 | 3.21 | 17.31 | 18.19 | 23.34 | 19.27 | 64.07 | 0.00 | 0.00 | 0.00 | 18.38 | 33.79 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 3 | 87 | 1 | 9 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 3.00 | 87.00 | 1.00 | 9.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 1 | 34 | 3 | 38 |
| % | 2.63 | 89.47 | 7.89 | 100.00 |
| % SAMPLE WEIGHT | 0.53 | 26.77 | 0.13 | 27.42 |

| SEX RATIO: ===== | SEX RATIO: | | | TOTAL |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | |
| NO. | 62 | 38 | 0 | 100 |
| % | 62.00 | 38.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 121.97 | 125.24 | 0.00 | 123.21 |
| % SAMP. WT. | 61.37 | 38.63 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 243 - SYDNEY INLET

SAMPLE NUMBERS: 49,222, 42,218

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 26/83 - MAR 5/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 34 | 120 | 63 | 55 | 53 | 12 | 19 | 2 | 0 | 38 | 396 |
| % AT AGE | 0.00 | 9.50 | 33.52 | 17.60 | 15.36 | 14.80 | 3.35 | 5.31 | 0.56 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 161.82 | 184.00 | 196.67 | 206.35 | 213.40 | 218.92 | 223.58 | 233.00 | 0.00 | 195.82 | 195.49 |
| - STD. DEV. | 0.00 | 7.78 | 9.46 | 8.84 | 9.27 | 8.17 | 9.70 | 7.69 | 1.41 | 0.00 | 18.94 | 19.05 |
| WEIGHT - MEAN(gm) | 0.00 | 64.62 | 90.88 | 115.57 | 134.35 | 150.55 | 161.08 | 169.84 | 182.00 | 0.00 | 113.50 | 115.12 |
| - STD. DEV. | 0.00 | 8.70 | 15.37 | 19.49 | 21.99 | 22.22 | 24.12 | 17.93 | 5.66 | 0.00 | 33.19 | 35.38 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 1 | 3 | 1 | 147 | 186 | 53 | 4 | 0 | 1 |
| % AT STAGE | 0.25 | 0.76 | 0.25 | 37.12 | 46.97 | 13.38 | 1.01 | 0.00 | 0.25 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 96 | 119 | 1 | 216 |
| % | 44.44 | 55.09 | 0.46 | 100.00 |
| % SAMPLE WEIGHT | 7.64 | 17.71 | 0.01 | 25.36 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 179 | 216 | 1 | 396 |
| % | 45.20 | 54.55 | 0.25 | 100.00 |
| MEAN WEIGHT | 115.97 | 114.64 | 67.00 | 115.12 |
| % SAMP. WT. | 45.53 | 54.32 | 0.15 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 244 - WHITEPINE COVE

SAMPLE NUMBERS: 48,242

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 26/83 - MAR 2/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 7 | 59 | 49 | 33 | 23 | 5 | 5 | 2 | 0 | 17 | 200 |
| % AT AGE | 0.00 | 3.83 | 32.24 | 26.78 | 18.03 | 12.57 | 2.73 | 2.73 | 1.09 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 164.00 | 187.02 | 195.69 | 211.67 | 220.09 | 227.40 | 225.80 | 217.50 | 0.00 | 204.41 | 199.97 |
| - STD. DEV. | 0.00 | 3.74 | 9.77 | 10.81 | 10.30 | 9.53 | 9.37 | 10.18 | 14.85 | 0.00 | 10.61 | 17.53 |
| WEIGHT - MEAN (gm) | 0.00 | 64.14 | 93.63 | 112.08 | 141.15 | 162.39 | 188.80 | 168.60 | 158.50 | 0.00 | 127.24 | 120.63 |
| - STD. DEV. | 0.00 | 4.98 | 18.37 | 21.24 | 21.83 | 21.90 | 24.00 | 30.04 | 34.65 | 0.00 | 20.69 | 34.90 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 1 | 2 | 80 | 113 | 4 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.50 | 1.00 | 40.00 | 56.50 | 2.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 77 | 51 | 0 | 128 |
| % | 60.16 | 39.84 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 11.55 | 13.82 | 0.00 | 25.36 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 72 | 128 | 0 | 200 |
| % | 36.00 | 64.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 119.74 | 121.13 | 0.00 | 120.63 |
| % SAMP. WT. | 35.73 | 64.27 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 245 - MEARES ISLAND

SAMPLE NUMBERS: 145, 79,245,105,238, 77

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 4/83 - MAR 12/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 20 | 143 | 121 | 121 | 92 | 18 | 30 | 4 | 3 | 46 | 598 |
| % AT AGE | 0.00 | 3.62 | 25.91 | 21.92 | 21.92 | 16.67 | 3.26 | 5.43 | 0.72 | 0.54 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 159.50 | 182.79 | 196.72 | 208.88 | 215.37 | 220.44 | 228.77 | 230.75 | 233.67 | 200.39 | 200.49 |
| - STD. DEV. | 0.00 | 5.75 | 11.35 | 11.09 | 11.93 | 8.05 | 11.68 | 10.24 | 9.29 | 8.14 | 18.79 | 19.44 |
| WEIGHT - MEAN(gm) | 0.00 | 60.70 | 91.48 | 115.06 | 141.34 | 152.13 | 164.94 | 177.83 | 186.00 | 193.67 | 126.00 | 124.98 |
| - STD. DEV. | 0.00 | 9.09 | 16.00 | 19.84 | 25.31 | 21.33 | 21.98 | 26.37 | 43.61 | 19.50 | 36.43 | 36.49 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 34 | 538 | 25 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 5.69 | 89.97 | 4.18 | 0.17 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 21 | 294 | 0 | 315 |
| % | 6.67 | 93.33 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 1.15 | 28.25 | 0.00 | 29.39 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 282 | 315 | 1 | 598 |
| % | 47.16 | 52.68 | 0.17 | 100.00 |
| MEAN WEIGHT | 116.84 | 132.24 | 138.00 | 124.98 |
| % SAMP. WT. | 44.08 | 55.73 | 0.18 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 251 - OTHER AREA 25

SAMPLE NUMBERS: 358

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 24/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 10 | 29 | 14 | 2 | 41 | 1 | 0 | 0 | 0 | 3 | 100 |
| % AT AGE | 0.00 | 10.31 | 29.90 | 14.43 | 2.06 | 42.27 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 160.60 | 177.14 | 192.14 | 203.00 | 208.05 | 225.00 | 0.00 | 0.00 | 0.00 | 208.33 | 192.19 |
| - STD. DEV. | 0.00 | 5.78 | 6.33 | 9.42 | 5.66 | 8.75 | 0.00 | 0.00 | 0.00 | 0.00 | 8.02 | 18.74 |
| WEIGHT - MEAN (gm) | 0.00 | 57.30 | 78.31 | 105.43 | 127.00 | 139.46 | 167.00 | 0.00 | 0.00 | 0.00 | 147.33 | 109.01 |
| - STD. DEV. | 0.00 | 8.96 | 8.33 | 16.28 | 12.73 | 19.69 | 0.00 | 0.00 | 0.00 | 0.00 | 28.88 | 35.41 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 32 | 66 | 2 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 32.00 | 66.00 | 2.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 22 | 30 | 0 | 52 |
| % | 42.31 | 57.69 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 9.86 | 16.94 | 0.00 | 26.80 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 48 | 52 | 0 | 100 |
| % | 48.00 | 52.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 97.81 | 119.35 | 0.00 | 109.01 |
| % SAMP. WT. | 43.07 | 56.93 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

=====

SECTION: 252 - WEST NOOTKA

SAMPLE NUMBERS: 60

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 25/83

SPECIMENS AT EACH AGE:

=====

| | AGE | | | | | | | | | | | |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 7 | 31 | 7 | 15 | 19 | 3 | 3 | 0 | 0 | 15 | 100 |
| % AT AGE | 0.00 | 8.24 | 36.47 | 8.24 | 17.65 | 22.35 | 3.53 | 3.53 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 159.86 | 183.13 | 195.14 | 202.20 | 211.53 | 216.00 | 216.67 | 0.00 | 0.00 | 187.60 | 193.26 |
| - STD. DEV. | 0.00 | 5.01 | 7.77 | 6.39 | 9.49 | 7.32 | 12.77 | 5.51 | 0.00 | 0.00 | 15.91 | 17.58 |
| WEIGHT - MEAN (gm) | 0.00 | 59.29 | 92.45 | 111.00 | 126.67 | 141.05 | 160.00 | 154.33 | 0.00 | 0.00 | 98.27 | 110.55 |
| - STD. DEV. | 0.00 | 4.39 | 11.36 | 14.17 | 17.77 | 21.42 | 26.46 | 15.37 | 0.00 | 0.00 | 25.26 | 30.84 |

HJORT MATURITY STAGES:

=====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 11 | 73 | 16 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 11.00 | 73.00 | 16.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 7 | 53 | 0 | 60 |
| % | 11.67 | 88.33 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 2.06 | 25.66 | 0.00 | 27.72 |

SEX RATIO:

=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 40 | 60 | 0 | 100 |
| % | 40.00 | 60.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 98.18 | 118.80 | 0.00 | 110.55 |
| % SAMP. WT. | 35.52 | 64.48 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 253 - NUCHATLITZ INLET

SAMPLE NUMBERS: 54, 27, 44, 47

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: FEB 25/83 - FEB 27/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | 10+ | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|---------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | | |
| NO. AT AGE | 0 | 4 | 48 | 65 | 88 | 100 | 28 | 25 | 1 | 0 | 41 | 400 | |
| % AT AGE | 0.00 | 1.11 | 13.37 | 18.11 | 24.51 | 27.86 | 7.80 | 6.96 | 0.28 | 0.00 | 0.00 | 100.00 | |
| LENGTH - MEAN(mm) | 0.00 | 157.00 | 181.31 | 195.63 | 203.82 | 210.72 | 215.25 | 214.24 | 233.00 | 0.00 | 201.66 | 202.35 | |
| - STD. DEV. | 0.00 | 10.03 | 7.50 | 9.27 | 8.30 | 8.75 | 8.92 | 9.84 | 0.00 | 0.00 | 14.98 | 14.53 | |
| WEIGHT - MEAN(gm) | 0.00 | 53.50 | 86.98 | 115.03 | 132.93 | 146.70 | 150.93 | 152.96 | 171.00 | 0.00 | 126.54 | 129.11 | |
| - STD. DEV. | 0.00 | 9.68 | 12.98 | 17.04 | 17.57 | 19.35 | 17.64 | 16.95 | 0.00 | 0.00 | 31.35 | 28.67 | |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 1 | 0 | 122 | 245 | 32 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.25 | 0.00 | 30.50 | 61.25 | 8.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | IMMATURE | MATURE | SPENT | TOTAL | SEX RATIO: ===== | | | | |
|---------------------------------|----------|--------|-------|--------|---------------------|--------|----------|--------|--------|
| | | | | | MALE | FEMALE | IMMATURE | TOTAL | |
| NO. | 82 | 131 | 0 | 213 | 187 | 213 | 0 | 400 | |
| % | 38.50 | 61.50 | 0.00 | 100.00 | 46.75 | 53.25 | 0.00 | 100.00 | |
| % SAMPLE WEIGHT | 7.43 | 19.06 | 0.00 | 26.49 | | | | | |
| | | | | | MEAN WEIGHT | 124.96 | 132.75 | 0.00 | 129.11 |
| | | | | | % SAMP. WT. | 45.25 | 54.75 | 0.00 | 100.00 |

108

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 272 - BROOKS BAY

SAMPLE NUMBERS: 168

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 10/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 3 | 10 | 15 | 5 | 9 | 0 | 4 | 0 | 0 | 2 | 48 |
| % AT AGE | 0.00 | 6.52 | 21.74 | 32.61 | 10.87 | 19.57 | 0.00 | 8.70 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 154.67 | 184.50 | 198.07 | 205.80 | 214.11 | 0.00 | 216.75 | 0.00 | 0.00 | 189.50 | 197.54 |
| - STD. DEV. | 0.00 | 5.86 | 6.59 | 5.98 | 3.03 | 7.03 | 0.00 | 6.34 | 0.00 | 0.00 | 10.61 | 16.80 |
| WEIGHT - MEAN (gm) | 0.00 | 49.67 | 92.10 | 113.67 | 121.40 | 133.11 | 0.00 | 136.50 | 0.00 | 0.00 | 101.00 | 111.00 |
| - STD. DEV. | 0.00 | 6.03 | 13.08 | 16.10 | 13.83 | 20.84 | 0.00 | 23.81 | 0.00 | 0.00 | 19.80 | 27.01 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 0 | 29 | 13 | 6 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.00 | 60.42 | 27.08 | 12.50 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 0 | 14 | 4 | 18 |
| % | 0.00 | 77.78 | 22.22 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 23.12 | 0.43 | 23.54 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 30 | 18 | 0 | 48 |
| % | 62.50 | 37.50 | 0.00 | 100.00 |
| MEAN WEIGHT | 107.23 | 117.28 | 0.00 | 111.00 |
| % SAMP. WT. | 60.38 | 39.62 | 0.00 | 100.00 |

TABLE 10 (CONT.) PRE-FISHERY CHARTER SAMPLE SUMMARIES BY SECTION

SECTION: 273 - WINTER HARBOUR

SAMPLE NUMBERS: 174

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

DATE: MAR 13/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|------|------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 1 | 11 | 17 | 6 | 20 | 0 | 0 | 0 | 0 | 2 | 57 |
| % AT AGE | 0.00 | 1.82 | 20.00 | 30.91 | 10.91 | 36.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 173.00 | 188.55 | 201.82 | 207.33 | 213.25 | 0.00 | 0.00 | 0.00 | 0.00 | 209.50 | 203.61 |
| - STD. DEV. | 0.00 | 0.00 | 8.51 | 6.26 | 7.23 | 10.72 | 0.00 | 0.00 | 0.00 | 0.00 | 6.36 | 12.91 |
| WEIGHT - MEAN(gm) | 0.00 | 54.00 | 85.00 | 99.18 | 108.00 | 124.95 | 0.00 | 0.00 | 0.00 | 0.00 | 113.50 | 106.12 |
| - STD. DEV. | 0.00 | 0.00 | 14.74 | 16.32 | 19.89 | 29.89 | 0.00 | 0.00 | 0.00 | 0.00 | 19.09 | 27.20 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 3 | 18 | 0 | 36 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 5.26 | 31.58 | 0.00 | 63.16 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 0 | 11 | 25 | 36 |
| % | 0.00 | 30.56 | 69.44 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 10.18 | 2.95 | 13.13 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 21 | 36 | 0 | 57 |
| % | 36.84 | 63.16 | 0.00 | 100.00 |
| MEAN WEIGHT | 103.76 | 107.50 | 0.00 | 106.12 |
| % SAMP. WT. | 36.02 | 63.98 | 0.00 | 100.00 |

TABLE 11 SEINE ROE FISHERY SAMPLE SUMMARIES BY AREA
 =====

AREA: 2W - WEST COAST Q.C.I.

SAMPLE NUMBERS: 324,352,333,374,188,403,422,287,320,368,
 316,426

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

DATE: MAR 21/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 3 | 17 | 746 | 47 | 162 | 28 | 21 | 10 | 6 | 156 | 1196 |
| % AT AGE | 0.00 | 0.29 | 1.63 | 71.73 | 4.52 | 15.58 | 2.69 | 2.02 | 0.96 | 0.58 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 170.67 | 192.82 | 207.63 | 216.60 | 222.62 | 226.00 | 235.95 | 240.90 | 247.50 | 206.65 | 210.99 |
| - STD. DEV. | 0.00 | 5.51 | 8.66 | 9.32 | 9.16 | 10.05 | 10.01 | 11.34 | 8.75 | 12.28 | 15.22 | 13.26 |
| WEIGHT - MEAN(gm) | 0.00 | 73.67 | 105.29 | 138.49 | 154.77 | 174.02 | 184.82 | 198.86 | 192.20 | 202.67 | 142.35 | 146.73 |
| - STD. DEV. | 0.00 | 4.62 | 15.08 | 21.78 | 23.58 | 28.51 | 24.05 | 23.88 | 22.94 | 27.02 | 31.46 | 29.82 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 19 | 893 | 283 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 1.59 | 74.67 | 23.66 | 0.08 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 17 | 591 | 1 | 609 |
| % | 2.79 | 97.04 | 0.16 | 100.00 |
| % SAMPLE WEIGHT | 0.51 | 29.80 | 0.02 | 30.34 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 587 | 609 | 0 | 1196 |
| % | 49.08 | 50.92 | 0.00 | 100.00 |
| MEAN WEIGHT | 137.45 | 155.67 | 0.00 | 146.73 |
| % SAMP. WT. | 45.98 | 54.02 | 0.00 | 100.00 |

TABLE 11 (CONT.) SEINE ROE FISHERY SAMPLE SUMMARIES BY AREA
 =====

AREA: 2E - EAST COAST Q.C.I.

SAMPLE NUMBERS: 411,362,390,384,343,404,345,405,355,357,
 371

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

DATE: MAR 8/83 - MAR 23/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 26 | 32 | 28 | 62 | 723 | 29 | 9 | 6 | 1 | 184 | 1100 |
| % AT AGE | 0.00 | 2.84 | 3.49 | 3.06 | 6.77 | 78.93 | 3.17 | 0.98 | 0.66 | 0.11 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 163.15 | 181.38 | 197.21 | 203.05 | 209.00 | 216.24 | 214.11 | 235.83 | 235.00 | 202.81 | 205.85 |
| - STD. DEV. | 0.00 | 8.11 | 8.80 | 8.89 | 11.96 | 10.18 | 8.43 | 11.03 | 9.83 | 0.00 | 17.29 | 14.65 |
| WEIGHT - MEAN (gm) | 0.00 | 65.54 | 100.13 | 124.18 | 141.40 | 155.09 | 168.21 | 167.56 | 199.33 | 181.00 | 137.41 | 147.57 |
| - STD. DEV. | 0.00 | 8.00 | 14.60 | 18.59 | 19.83 | 20.60 | 20.90 | 17.54 | 26.25 | 0.00 | 31.91 | 28.78 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 1 | 0 | 0 | 122 | 816 | 160 | 1 | 0 | 0 |
| % AT STAGE | 0.09 | 0.00 | 0.00 | 11.09 | 74.18 | 14.55 | 0.09 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 39 | 480 | 0 | 519 |
| % | 7.51 | 92.49 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 1.43 | 26.63 | 0.00 | 28.06 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 581 | 519 | 0 | 1100 |
| % | 52.82 | 47.18 | 0.00 | 100.00 |
| MEAN WEIGHT | 138.37 | 157.87 | 0.00 | 147.57 |
| % SAMP. WT. | 49.53 | 50.47 | 0.00 | 100.00 |

TABLE 11 (CONT.) SEINE ROE FISHERY SAMPLE SUMMARIES BY AREA
 =====

AREA: 7 - BELLA BELLA

SAMPLE NUMBERS: 415,302,286,385,334,273,342,288,413,349,
 283,400,425,423

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

DATE: MAR 15/83 - MAR 17/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 2 | 71 | 168 | 142 | 744 | 61 | 42 | 8 | 5 | 153 | 1396 |
| % AT AGE | 0.00 | 0.16 | 5.71 | 13.52 | 11.42 | 59.86 | 4.91 | 3.38 | 0.64 | 0.40 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 148.50 | 183.30 | 194.20 | 200.78 | 206.66 | 209.39 | 216.38 | 215.25 | 228.60 | 200.78 | 203.19 |
| - STD. DEV. | 0.00 | 19.09 | 10.77 | 9.92 | 11.00 | 10.62 | 11.99 | 14.14 | 16.57 | 9.81 | 13.14 | 13.20 |
| WEIGHT - MEAN(gm) | 0.00 | 56.00 | 97.35 | 120.95 | 134.55 | 146.76 | 157.90 | 160.48 | 159.75 | 192.80 | 138.15 | 159.97 |
| - STD. DEV. | 0.00 | 9.90 | 17.25 | 18.30 | 20.32 | 19.18 | 19.30 | 25.56 | 23.64 | 10.06 | 25.28 | 24.78 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 1 | 1 | 100 | 1121 | 172 | 0 | 0 | 1 |
| % AT STAGE | 0.00 | 0.07 | 0.07 | 7.16 | 80.30 | 12.32 | 0.00 | 0.00 | 0.07 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 93 | 681 | 0 | 774 |
| % | 12.02 | 87.98 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 2.91 | 27.07 | 0.00 | 29.98 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 622 | 774 | 0 | 1396 |
| % | 44.56 | 55.44 | 0.00 | 100.00 |
| MEAN WEIGHT | 133.74 | 144.97 | 0.00 | 139.97 |
| % SAMP. WT. | 42.57 | 57.43 | 0.00 | 100.00 |

105

TABLE 11 (CONT.) SEINE ROE FISHERY SAMPLE SUMMARIES BY AREA

=====

AREA: 14 - COMOX

SAMPLE NUMBERS: 398,399,392,383,393,397,396,402,388,401,
394

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

DATE: FEB 27/83

SPECIMENS AT EACH AGE:

=====

AGE

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| NO. AT AGE | 0 | 11 | 186 | 308 | 226 | 128 | 37 | 39 | 19 | 5 | 138 | 1097 |
| % AT AGE | 0.00 | 1.15 | 19.40 | 32.12 | 23.57 | 13.35 | 3.86 | 4.07 | 1.98 | 0.52 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 157.55 | 181.84 | 197.93 | 204.96 | 210.05 | 218.35 | 220.41 | 228.95 | 223.80 | 202.08 | 200.32 |
| - STD. DEV. | 0.00 | 8.70 | 12.22 | 12.19 | 11.87 | 10.15 | 8.34 | 13.61 | 9.30 | 12.87 | 12.53 | 16.58 |
| WEIGHT - MEAN (gm) | 0.00 | 51.64 | 90.72 | 124.30 | 140.19 | 151.16 | 170.51 | 178.56 | 184.21 | 186.20 | 130.52 | 129.87 |
| - STD. DEV. | 0.00 | 8.98 | 15.97 | 19.86 | 21.65 | 21.22 | 15.34 | 18.73 | 24.87 | 14.97 | 27.64 | 32.25 |

HJORT MATURITY STAGES:

=====

MATURITY STAGE

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
|--------------|------|------|------|------|-------|-------|------|------|---------|
| NO. AT STAGE | 0 | 0 | 0 | 64 | 802 | 230 | 0 | 0 | 1 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 5.83 | 73.11 | 20.97 | 0.00 | 0.00 | 0.09 |

ROE MATURITY (FEMALE):

=====

SEX RATIO:

=====

| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
|-----------------|----------|--------|-------|--------|-------------|--------|--------|----------|--------|
| NO. | 50 | 482 | 0 | 532 | NO. | 564 | 532 | 1 | 1097 |
| % | 9.40 | 90.60 | 0.00 | 100.00 | % | 51.41 | 48.50 | 0.09 | 100.00 |
| % SAMPLE WEIGHT | 1.67 | 26.58 | 0.00 | 28.25 | MEAN WEIGHT | 124.71 | 135.51 | 44.00 | 129.87 |
| | | | | | % SAMP. WT. | 49.37 | 50.60 | 0.03 | 100.00 |

TABLE 11 (CONT.) SEINE ROE FISHERY SAMPLE SUMMARIES BY AREA
 =====

AREA: 15 - WESTVIEW

SAMPLE NUMBERS: 291,272,104,255, 96,263,107,261,294,282,
 99,250,266,380,265

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

DATE: MAR 4/83 - MAR 5/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 1 | 295 | 405 | 281 | 235 | 84 | 47 | 18 | 6 | 127 | 1499 |
| % AT AGE | 0.00 | 0.07 | 21.50 | 29.52 | 20.48 | 17.13 | 6.12 | 3.43 | 1.31 | 0.44 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 157.00 | 180.86 | 195.40 | 201.67 | 205.58 | 212.15 | 214.23 | 223.44 | 228.33 | 199.58 | 197.64 |
| - STD. DEV. | 0.00 | 0.00 | 8.53 | 9.57 | 9.37 | 10.09 | 11.73 | 9.95 | 11.66 | 16.15 | 13.03 | 14.21 |
| WEIGHT - MEAN(gm) | 0.00 | 53.00 | 84.20 | 107.67 | 121.46 | 128.87 | 142.38 | 150.02 | 165.72 | 184.33 | 116.02 | 113.91 |
| - STD. DEV. | 0.00 | 0.00 | 11.70 | 16.07 | 18.19 | 18.76 | 25.80 | 24.77 | 24.77 | 28.43 | 25.33 | 26.54 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 100 | 1121 | 274 | 3 | 1 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 6.67 | 74.78 | 18.28 | 0.20 | 0.07 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 72 | 668 | 1 | 741 |
| % | 9.72 | 90.15 | 0.13 | 100.00 |
| % SAMPLE WEIGHT | 2.00 | 23.92 | 0.00 | 25.91 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 758 | 741 | 0 | 1499 |
| % | 50.57 | 49.43 | 0.00 | 100.00 |
| MEAN WEIGHT | 109.23 | 118.70 | 0.00 | 113.91 |
| % SAMP. WT. | 48.49 | 51.51 | 0.00 | 100.00 |

TABLE 11 (CONT.) SEINE ROE FISHERY SAMPLE SUMMARIES BY AREA
 =====

AREA: 17 - NANAIMO

SAMPLE NUMBERS: 391,100,378,108,109,146,116,389,377,103

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

DATE: MAR 2/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 38 | 255 | 264 | 167 | 74 | 27 | 20 | 11 | 1 | 138 | 995 |
| % AT AGE | 0.00 | 4.43 | 29.75 | 30.81 | 19.49 | 8.63 | 3.15 | 2.33 | 1.28 | 0.12 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 158.66 | 181.29 | 197.40 | 206.20 | 213.70 | 218.74 | 224.65 | 228.82 | 228.00 | 199.27 | 196.25 |
| - STD. DEV. | 0.00 | 10.35 | 10.00 | 10.58 | 10.15 | 10.03 | 12.99 | 9.94 | 13.67 | 0.00 | 15.45 | 17.89 |
| WEIGHT - MEAN (gm) | 0.00 | 58.71 | 87.37 | 117.68 | 136.80 | 152.54 | 171.48 | 179.95 | 185.27 | 172.00 | 117.18 | 116.91 |
| - STD. DEV. | 0.00 | 10.57 | 14.11 | 18.66 | 19.67 | 17.82 | 27.32 | 16.80 | 22.17 | 0.00 | 29.62 | 33.41 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 4 | 0 | 0 | 85 | 658 | 226 | 22 | 0 | 0 |
| % AT STAGE | 0.40 | 0.00 | 0.00 | 8.54 | 66.13 | 22.71 | 2.21 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 70 | 350 | 10 | 430 |
| % | 16.28 | 81.40 | 2.33 | 100.00 |
| % SAMPLE WEIGHT | 2.54 | 21.60 | 0.04 | 24.18 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 565 | 430 | 0 | 995 |
| % | 56.78 | 43.22 | 0.00 | 100.00 |
| MEAN WEIGHT | 111.65 | 123.82 | 0.00 | 116.91 |
| % SAMP. WT. | 54.23 | 45.77 | 0.00 | 100.00 |

108

TABLE 11 (CONT.) SEINE ROE FISHERY SAMPLE SUMMARIES BY AREA
 =====

AREA: 23 - BARKLEY SOUND

SAMPLE NUMBERS: 251,271,292,252,279,278,406,301,361,248

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

DATE: MAR 1/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 23 | 161 | 183 | 196 | 130 | 39 | 49 | 15 | 13 | 108 | 917 |
| % AT AGE | 0.00 | 2.84 | 19.90 | 22.62 | 24.23 | 16.07 | 4.82 | 6.06 | 1.85 | 1.61 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 161.91 | 186.98 | 199.40 | 208.43 | 215.52 | 219.31 | 225.49 | 233.33 | 231.08 | 200.44 | 203.86 |
| - STD. DEV. | 0.00 | 9.55 | 9.25 | 9.60 | 9.88 | 9.20 | 11.98 | 10.71 | 9.13 | 10.20 | 15.56 | 17.16 |
| WEIGHT - MEAN(gm) | 0.00 | 60.52 | 97.87 | 123.49 | 142.50 | 157.20 | 168.36 | 178.35 | 198.73 | 192.77 | 124.91 | 133.47 |
| - STD. DEV. | 0.00 | 9.62 | 13.80 | 18.49 | 20.10 | 19.59 | 23.15 | 22.22 | 18.55 | 18.93 | 30.01 | 34.18 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 54 | 643 | 219 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 5.89 | 70.12 | 23.88 | 0.11 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 44 | 372 | 0 | 416 |
| % | 10.58 | 89.42 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 2.23 | 27.27 | 0.00 | 29.50 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 501 | 416 | 0 | 917 |
| % | 54.63 | 45.37 | 0.00 | 100.00 |
| MEAN WEIGHT | 128.60 | 139.35 | 0.00 | 133.47 |
| % SAMP. WT. | 52.64 | 47.36 | 0.00 | 100.00 |

TABLE 12 SEINE ROE FISHERY SAMPLE SUMMARIES BY SECTION

=====

SECTION: 5 - ENGLEFIELD BAY

SAMPLE NUMBERS: 324,352,333,374,188,403,422,287,320,368,
316,426

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

DATE: MAR 21/83

SPECIMENS AT EACH AGE:

=====

| | AGE | | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL | |
| NO. AT AGE | 0 | 3 | 17 | 746 | 47 | 162 | 28 | 21 | 10 | 6 | 156 | 1196 | |
| % AT AGE | 0.00 | 0.29 | 1.63 | 71.73 | 4.52 | 15.58 | 2.69 | 2.02 | 0.96 | 0.58 | 0.00 | 100.00 | |
| LENGTH - MEAN(mm) | 0.00 | 170.67 | 192.82 | 207.63 | 216.60 | 222.62 | 226.00 | 235.95 | 240.90 | 247.50 | 206.65 | 210.99 | |
| - STD. DEV. | 0.00 | 5.51 | 8.66 | 9.32 | 9.16 | 10.05 | 10.01 | 11.34 | 8.75 | 12.28 | 15.22 | 13.26 | |
| WEIGHT - MEAN(gm) | 0.00 | 73.67 | 105.29 | 138.49 | 154.77 | 174.02 | 184.82 | 198.86 | 192.20 | 202.67 | 142.35 | 146.73 | |
| - STD. DEV. | 0.00 | 4.62 | 15.08 | 21.78 | 23.58 | 28.51 | 24.05 | 23.88 | 22.94 | 27.02 | 31.46 | 29.82 | |

HJORT MATURITY STAGES:

=====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 19 | 893 | 283 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 1.59 | 74.67 | 23.66 | 0.08 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 17 | 591 | 1 | 609 |
| % | 2.79 | 97.04 | 0.16 | 100.00 |
| % SAMPLE WEIGHT | 0.51 | 29.80 | 0.02 | 30.34 |

SEX RATIO:

=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 587 | 609 | 0 | 1196 |
| % | 49.08 | 50.92 | 0.00 | 100.00 |
| MEAN WEIGHT | 137.45 | 155.67 | 0.00 | 146.73 |
| % SAMP. WT. | 45.98 | 54.02 | 0.00 | 100.00 |

TABLE 12 (CONT.) SEINE ROE FISHERY SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 24 - LASKEEK BAY

SAMPLE NUMBERS: 362,390,343,404,345,357

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

DATE: MAR 8/83 - MAR 9/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 19 | 26 | 16 | 33 | 414 | 17 | 4 | 4 | 1 | 66 | 600 |
| % AT AGE | 0.00 | 3.56 | 4.87 | 3.00 | 6.18 | 77.53 | 3.18 | 0.75 | 0.75 | 0.19 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 163.68 | 181.35 | 197.75 | 201.85 | 208.63 | 215.18 | 211.50 | 235.00 | 235.00 | 200.61 | 204.90 |
| - STD. DEV. | 0.00 | 7.19 | 9.11 | 7.60 | 13.39 | 10.33 | 5.81 | 14.80 | 12.57 | 0.00 | 18.40 | 15.22 |
| WEIGHT - MEAN (gm) | 0.00 | 65.89 | 99.04 | 127.19 | 140.55 | 155.10 | 162.18 | 158.25 | 196.75 | 181.00 | 135.39 | 146.68 |
| - STD. DEV. | 0.00 | 7.87 | 15.09 | 18.80 | 22.84 | 21.22 | 21.80 | 9.60 | 28.00 | 0.00 | 32.83 | 30.00 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 0 | 0 | 75 | 453 | 71 | 0 | 0 | 0 |
| % AT STAGE | 0.17 | 0.00 | 0.00 | 12.50 | 75.50 | 11.83 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 29 | 250 | 0 | 279 |
| % | 10.39 | 89.61 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 2.03 | 25.59 | 0.00 | 27.62 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 321 | 279 | 0 | 600 |
| % | 53.50 | 46.50 | 0.00 | 100.00 |
| MEAN WEIGHT | 136.94 | 157.87 | 0.00 | 146.68 |
| % SAMP. WT. | 49.95 | 50.05 | 0.00 | 100.00 |

TABLE 12 (CONT.) SEINE ROE FISHERY SAMPLE SUMMARIES BY SECTION

=====

SECTION: 25 - SKINCUTTLE INLET

SAMPLE NUMBERS: 355,371,405,384,411

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

DATE: MAR 9/83 - MAR 23/83

SPECIMENS AT EACH AGE:

=====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 7 | 6 | 12 | 29 | 309 | 12 | 5 | 2 | 0 | 118 | 500 |
| % AT AGE | 0.00 | 1.83 | 1.57 | 3.14 | 7.59 | 80.89 | 3.14 | 1.31 | 0.52 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 161.71 | 181.50 | 196.50 | 204.41 | 209.51 | 217.75 | 216.20 | 237.50 | 0.00 | 204.04 | 206.98 |
| - STD. DEV. | 0.00 | 10.75 | 8.09 | 10.69 | 10.16 | 9.95 | 11.29 | 8.17 | 0.71 | 0.00 | 16.59 | 13.87 |
| WEIGHT - MEAN (gm) | 0.00 | 64.57 | 104.83 | 120.17 | 142.38 | 155.08 | 176.75 | 175.00 | 204.50 | 0.00 | 138.54 | 148.65 |
| - STD. DEV. | 0.00 | 8.90 | 12.24 | 18.31 | 16.07 | 19.77 | 16.89 | 19.76 | 31.82 | 0.00 | 31.46 | 27.23 |

HJORT MATURITY STAGES:

=====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 47 | 363 | 89 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 9.40 | 72.60 | 17.80 | 0.20 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 10 | 230 | 0 | 240 |
| % | 4.17 | 95.83 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.74 | 27.83 | 0.00 | 28.57 |

SEX RATIO:

=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 260 | 240 | 0 | 500 |
| % | 52.00 | 48.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 140.13 | 157.87 | 0.00 | 148.65 |
| % SAMP. WT. | 49.02 | 50.98 | 0.00 | 100.00 |

TABLE 12 (CONT.) SEINE ROE FISHERY SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 74 - THOMPSON BAY

SAMPLE NUMBERS: 423,400,425,288,413,349,283,342,415,302,
 286,385,334,273

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

DATE: MAR 15/83 - MAR 17/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 2 | 71 | 168 | 142 | 744 | 61 | 42 | 8 | 5 | 153 | 1396 |
| % AT AGE | 0.00 | 0.16 | 5.71 | 13.52 | 11.42 | 59.86 | 4.91 | 3.38 | 0.64 | 0.40 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 148.50 | 183.30 | 194.20 | 200.78 | 206.66 | 209.39 | 216.38 | 215.25 | 228.60 | 200.78 | 203.19 |
| - STD. DEV. | 0.00 | 19.09 | 10.77 | 9.92 | 11.00 | 10.62 | 11.99 | 14.14 | 16.57 | 9.81 | 13.14 | 13.20 |
| WEIGHT - MEAN(gm) | 0.00 | 56.00 | 97.35 | 120.95 | 134.55 | 146.76 | 157.90 | 160.48 | 159.75 | 192.80 | 138.15 | 139.97 |
| - STD. DEV. | 0.00 | 9.90 | 17.25 | 18.30 | 20.32 | 19.18 | 19.30 | 25.56 | 23.64 | 10.06 | 25.28 | 24.78 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 1 | 1 | 100 | 1121 | 172 | 0 | 0 | 1 |
| % AT STAGE | 0.00 | 0.07 | 0.07 | 7.16 | 80.30 | 12.32 | 0.00 | 0.00 | 0.07 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 93 | 681 | 0 | 774 |
| % | 12.02 | 87.98 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 2.91 | 27.07 | 0.00 | 29.98 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 622 | 774 | 0 | 1396 |
| % | 44.56 | 55.44 | 0.00 | 100.00 |
| MEAN WEIGHT | 133.74 | 144.97 | 0.00 | 139.97 |
| % SAMP. WT. | 42.57 | 57.43 | 0.00 | 100.00 |

103

TABLE 12 (CONT.) SEINE ROE FISHERY SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 142 - BAYNES SOUND

SAMPLE NUMBERS: 396,402,388,401,394,397,393,398,399,392,
 383

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

DATE: FEB 27/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 11 | 186 | 308 | 226 | 128 | 37 | 39 | 19 | 5 | 138 | 1097 |
| % AT AGE | 0.00 | 1.15 | 19.40 | 32.12 | 23.57 | 13.35 | 3.86 | 4.07 | 1.98 | 0.52 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 157.55 | 181.84 | 197.93 | 204.96 | 210.05 | 218.35 | 220.41 | 228.95 | 223.80 | 202.08 | 200.32 |
| - STD. DEV. | 0.00 | 8.70 | 12.22 | 12.19 | 11.87 | 10.15 | 8.34 | 13.61 | 9.30 | 12.87 | 12.53 | 16.58 |
| WEIGHT - MEAN (gm) | 0.00 | 51.64 | 90.72 | 124.30 | 140.19 | 151.16 | 170.51 | 178.56 | 184.21 | 186.20 | 130.52 | 129.87 |
| - STD. DEV. | 0.00 | 8.98 | 15.97 | 19.86 | 21.65 | 21.22 | 15.34 | 18.73 | 24.87 | 14.97 | 27.64 | 32.25 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 64 | 802 | 230 | 0 | 0 | 1 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 5.83 | 73.11 | 20.97 | 0.00 | 0.00 | 0.09 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 50 | 482 | 0 | 532 |
| % | 9.40 | 90.60 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 1.67 | 26.58 | 0.00 | 28.25 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 564 | 532 | 1 | 1097 |
| % | 51.41 | 48.50 | 0.09 | 100.00 |
| MEAN WEIGHT | 124.71 | 135.51 | 44.00 | 129.87 |
| % SAMP. WT. | 49.37 | 50.60 | 0.03 | 100.00 |

TABLE 12 (CONT.) SEINE ROE FISHERY SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 152 - LUND

SAMPLE NUMBERS: 380,265,250,266,294,282, 99,291,272,104,
 255, 96,263,107,261

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

DATE: MAR 4/83 - MAR 5/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 1 | 295 | 405 | 281 | 235 | 84 | 47 | 18 | 6 | 127 | 1499 |
| % AT AGE | 0.00 | 0.07 | 21.50 | 29.52 | 20.48 | 17.13 | 6.12 | 3.43 | 1.31 | 0.44 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 157.00 | 180.86 | 195.40 | 201.67 | 205.58 | 212.15 | 214.23 | 223.44 | 228.33 | 199.58 | 197.64 |
| - STD. DEV. | 0.00 | 0.00 | 8.53 | 9.57 | 9.37 | 10.09 | 11.73 | 9.95 | 11.66 | 16.15 | 13.03 | 14.21 |
| WEIGHT - MEAN(gm) | 0.00 | 53.00 | 84.20 | 107.67 | 121.46 | 128.87 | 142.38 | 150.02 | 165.72 | 184.33 | 116.02 | 113.91 |
| - STD. DEV. | 0.00 | 0.00 | 11.70 | 16.07 | 18.19 | 18.76 | 25.80 | 24.77 | 24.77 | 28.43 | 25.33 | 26.54 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 100 | 1121 | 274 | 3 | 1 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 6.67 | 74.78 | 18.28 | 0.20 | 0.07 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 72 | 668 | 1 | 741 |
| % | 9.72 | 90.15 | 0.13 | 100.00 |
| % SAMPLE WEIGHT | 2.00 | 23.92 | 0.00 | 25.91 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 758 | 741 | 0 | 1499 |
| % | 50.57 | 49.43 | 0.00 | 100.00 |
| MEAN WEIGHT | 109.23 | 118.70 | 0.00 | 113.91 |
| % SAMP. WT. | 48.49 | 51.51 | 0.00 | 100.00 |

TABLE 12 (CONT.) SEINE ROE FISHERY SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 172 - NANOOSE BAY

SAMPLE NUMBERS: 378,108,109,146,116,389,377,103,391,100

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

DATE: MAR 2/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 38 | 255 | 264 | 167 | 74 | 27 | 20 | 11 | 1 | 138 | 995 |
| % AT AGE | 0.00 | 4.43 | 29.75 | 30.81 | 19.49 | 8.63 | 3.15 | 2.33 | 1.28 | 0.12 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 158.66 | 181.29 | 197.40 | 206.20 | 213.70 | 218.74 | 224.65 | 228.82 | 228.00 | 199.27 | 196.25 |
| - STD. DEV. | 0.00 | 10.35 | 10.00 | 10.58 | 10.15 | 10.03 | 12.99 | 9.94 | 13.67 | 0.00 | 15.45 | 17.89 |
| WEIGHT - MEAN(gm) | 0.00 | 58.71 | 87.37 | 117.68 | 136.80 | 152.54 | 171.48 | 179.95 | 185.27 | 172.00 | 117.18 | 116.91 |
| - STD. DEV. | 0.00 | 10.57 | 14.11 | 18.66 | 19.67 | 17.82 | 27.32 | 16.80 | 22.17 | 0.00 | 29.62 | 33.41 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 4 | 0 | 0 | 85 | 658 | 226 | 22 | 0 | 0 |
| % AT STAGE | 0.40 | 0.00 | 0.00 | 8.54 | 66.13 | 22.71 | 2.21 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 70 | 350 | 10 | 430 |
| % | 16.28 | 81.40 | 2.33 | 100.00 |
| % SAMPLE WEIGHT | 2.54 | 21.60 | 0.04 | 24.18 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 565 | 430 | 0 | 995 |
| % | 56.78 | 43.22 | 0.00 | 100.00 |
| MEAN WEIGHT | 111.65 | 123.82 | 0.00 | 116.91 |
| % SAMP. WT. | 54.23 | 45.77 | 0.00 | 100.00 |

TABLE 12 (CONT.) SEINE ROE FISHERY SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 231 - OTHER AREA 23

SAMPLE NUMBERS: 248

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

DATE: MAR 1/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 1 | 31 | 23 | 25 | 8 | 2 | 3 | 0 | 0 | 7 | 100 |
| % AT AGE | 0.00 | 1.08 | 33.33 | 24.73 | 26.88 | 8.60 | 2.15 | 3.23 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 187.00 | 189.32 | 203.17 | 212.84 | 219.25 | 230.00 | 226.67 | 0.00 | 0.00 | 201.71 | 203.56 |
| - STD. DEV. | 0.00 | 0.00 | 8.77 | 9.76 | 8.53 | 9.69 | 2.83 | 8.02 | 0.00 | 0.00 | 12.38 | 14.76 |
| WEIGHT - MEAN (gm) | 0.00 | 90.00 | 99.13 | 122.87 | 146.64 | 159.50 | 203.50 | 175.00 | 0.00 | 0.00 | 125.86 | 127.44 |
| - STD. DEV. | 0.00 | 0.00 | 13.87 | 22.07 | 18.50 | 18.06 | 0.71 | 18.19 | 0.00 | 0.00 | 24.95 | 30.80 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 5 | 66 | 29 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 5.00 | 66.00 | 29.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 2 | 52 | 0 | 54 |
| % | 3.70 | 96.30 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.83 | 27.21 | 0.00 | 28.04 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 46 | 54 | 0 | 100 |
| % | 46.00 | 54.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 122.76 | 131.43 | 0.00 | 127.44 |
| % SAMP. WT. | 44.31 | 55.69 | 0.00 | 100.00 |

TABLE 12 (CONT.) SEINE ROE FISHERY SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 232 - MACOAH PASS

SAMPLE NUMBERS: 406,301,361,251,271,292,252,278

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

DATE: MAR 1/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 22 | 126 | 155 | 168 | 118 | 37 | 45 | 15 | 13 | 97 | 796 |
| % AT AGE | 0.00 | 3.15 | 18.03 | 22.17 | 24.03 | 16.88 | 5.29 | 6.44 | 2.15 | 1.86 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 160.77 | 186.26 | 198.92 | 207.75 | 215.06 | 218.73 | 225.20 | 233.33 | 231.08 | 200.04 | 203.84 |
| - STD. DEV. | 0.00 | 8.01 | 9.34 | 9.55 | 9.90 | 9.21 | 12.02 | 10.96 | 9.13 | 10.20 | 15.87 | 17.50 |
| WEIGHT - MEAN(gm) | 0.00 | 59.18 | 97.55 | 123.91 | 141.98 | 156.74 | 166.46 | 178.27 | 198.73 | 192.77 | 124.77 | 134.32 |
| - STD. DEV. | 0.00 | 7.33 | 13.81 | 18.11 | 20.35 | 19.96 | 22.21 | 22.77 | 18.55 | 18.93 | 30.66 | 34.61 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 49 | 566 | 180 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 6.16 | 71.11 | 22.61 | 0.13 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 42 | 314 | 0 | 356 |
| % | 11.80 | 88.20 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 2.46 | 27.21 | 0.00 | 29.68 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 440 | 356 | 0 | 796 |
| % | 55.28 | 44.72 | 0.00 | 100.00 |
| MEAN WEIGHT | 129.14 | 140.71 | 0.00 | 134.32 |
| % SAMP. WT. | 53.15 | 46.85 | 0.00 | 100.00 |

TABLE 12 (CONT.) SEINE ROE FISHERY SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 233 - MAYNE BAY

SAMPLE NUMBERS: 279

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

DATE: MAR 1/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|------|--------|--------|--------|--------|------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 0 | 4 | 5 | 3 | 4 | 0 | 1 | 0 | 0 | 4 | 21 |
| % AT AGE | 0.00 | 0.00 | 23.53 | 29.41 | 17.65 | 23.53 | 0.00 | 5.88 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 191.25 | 196.80 | 209.67 | 221.75 | 0.00 | 235.00 | 0.00 | 0.00 | 207.75 | 206.24 |
| - STD. DEV. | 0.00 | 0.00 | 7.41 | 7.73 | 13.20 | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 14.01 | 15.10 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 98.25 | 113.20 | 137.33 | 166.25 | 0.00 | 192.00 | 0.00 | 0.00 | 126.50 | 130.19 |
| - STD. DEV. | 0.00 | 0.00 | 16.19 | 9.81 | 20.55 | 8.62 | 0.00 | 0.00 | 0.00 | 0.00 | 28.07 | 31.11 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 0 | 11 | 10 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.00 | 52.38 | 47.62 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | IMMATURE | | | | SEX RATIO: ===== | | | | |
|---------------------------------|----------|--------|-------|--------|---------------------|--------|----------|--------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL | |
| NO. | 0 | 6 | 0 | 6 | 15 | 6 | 0 | 21 | |
| % | 0.00 | 100.00 | 0.00 | 100.00 | 71.43 | 28.57 | 0.00 | 100.00 | |
| % SAMPLE WEIGHT | 0.00 | 31.66 | 0.00 | 31.66 | MEAN WEIGHT | 130.47 | 129.50 | 0.00 | 130.19 |
| | | | | | % SAMP. WT. | 71.58 | 28.42 | 0.00 | 100.00 |

TABLE 13 GILLNET ROE FISHERY SAMPLE SUMMARIES BY AREA

=====

AREA: 2E - EAST COAST Q.C.I.

SAMPLE NUMBERS: 227,210,300,211,195,253,260,313,350,254,
285,303

SOURCE: ROE FISHERY

GEAR: GILLNET

DATE: MAR 15/83

SPECIMENS AT EACH AGE:

=====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|------|------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 0 | 10 | 21 | 665 | 23 | 19 | 5 | 4 | 434 | 1181 |
| % AT AGE | 0.00 | 0.00 | 0.00 | 1.34 | 2.81 | 89.02 | 3.08 | 2.54 | 0.67 | 0.54 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 0.00 | 205.50 | 208.48 | 213.09 | 218.96 | 225.05 | 229.20 | 233.25 | 210.33 | 212.37 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 4.99 | 9.14 | 8.69 | 9.57 | 8.02 | 11.99 | 11.53 | 9.41 | 9.41 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 0.00 | 141.80 | 147.67 | 156.85 | 170.57 | 176.63 | 181.60 | 203.50 | 154.28 | 156.46 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 8.97 | 15.30 | 17.70 | 16.16 | 19.77 | 28.61 | 18.91 | 18.15 | 18.49 |

HJORT MATURITY STAGES:

=====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 1 | 12 | 942 | 226 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.08 | 1.02 | 79.76 | 19.14 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 12 | 575 | 0 | 587 |
| % | 2.04 | 97.96 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.50 | 28.60 | 0.00 | 29.09 |

SEX RATIO:

=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 594 | 587 | 0 | 1181 |
| % | 50.30 | 49.70 | 0.00 | 100.00 |
| MEAN WEIGHT | 149.05 | 163.96 | 0.00 | 156.46 |
| % SAMP. WT. | 47.91 | 52.09 | 0.00 | 100.00 |

TABLE 13 (CONT.) GILLNET ROE FISHERY SAMPLE SUMMARIES BY AREA
 =====

AREA: 6 - BUTEDALE
 SAMPLE NUMBERS: 205,184,412,212,318,175,179
 SOURCE: ROE FISHERY
 GEAR: GILLNET
 DATE: MAR 21/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|------|------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 0 | 17 | 22 | 389 | 15 | 21 | 5 | 3 | 226 | 698 |
| % AT AGE | 0.00 | 0.00 | 0.00 | 3.60 | 4.66 | 82.42 | 3.18 | 4.45 | 1.06 | 0.64 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 0.00 | 203.47 | 207.95 | 210.17 | 217.27 | 220.38 | 223.60 | 230.00 | 210.81 | 210.79 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 5.83 | 8.80 | 7.68 | 10.56 | 10.13 | 3.13 | 14.11 | 8.88 | 8.70 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 0.00 | 126.76 | 135.41 | 141.10 | 156.27 | 155.86 | 168.60 | 176.67 | 140.94 | 141.64 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 12.30 | 15.38 | 17.80 | 19.99 | 19.08 | 19.40 | 14.05 | 18.04 | 18.48 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 11 | 614 | 72 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 1.58 | 87.97 | 10.32 | 0.14 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | | | | | SEX RATIO: ===== | | | | |
|---------------------------------|----------|--------|-------|--------|---------------------|--------|----------|--------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL | |
| NO. | 9 | 348 | 1 | 358 | 340 | 358 | 0 | 698 | |
| % | 2.51 | 97.21 | 0.28 | 100.00 | 48.71 | 51.29 | 0.00 | 100.00 | |
| % SAMPLE WEIGHT | 0.55 | 24.52 | 0.00 | 25.07 | MEAN WEIGHT | 136.68 | 146.35 | 0.00 | 141.64 |
| | | | | | % SAMP. WT. | 47.00 | 53.00 | 0.00 | 100.00 |

TABLE 13 (CONT.) GILLNET ROE FISHERY SAMPLE SUMMARIES BY AREA
 =====

AREA: 7 - BELLA BELLA

SAMPLE NUMBERS: 178,201,200,322,381,367,193,366,414,192,
 317,187,207,365,363,344,182,410

SOURCE: ROE FISHERY

GEAR: GILLNET

DATE: MAR 18/83 - MAR 23/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 9 | 117 | 215 | 913 | 76 | 52 | 7 | 3 | 407 | 1799 |
| % AT AGE | 0.00 | 0.00 | 0.65 | 8.41 | 15.45 | 65.59 | 5.46 | 3.74 | 0.50 | 0.22 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 194.33 | 198.87 | 203.67 | 208.81 | 211.78 | 215.42 | 216.57 | 235.00 | 206.96 | 207.45 |
| - STD. DEV. | 0.00 | 0.00 | 7.12 | 8.62 | 9.06 | 9.04 | 10.78 | 9.88 | 8.96 | 10.15 | 10.29 | 10.03 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 120.44 | 133.43 | 139.31 | 149.19 | 154.74 | 162.12 | 165.14 | 193.00 | 146.39 | 146.95 |
| - STD. DEV. | 0.00 | 0.00 | 17.19 | 14.39 | 15.87 | 17.14 | 17.70 | 19.98 | 18.19 | 36.51 | 17.01 | 18.03 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 35 | 1566 | 188 | 9 | 0 | 1 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 1.95 | 87.05 | 10.45 | 0.50 | 0.00 | 0.06 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 1 | 962 | 7 | 970 |
| % | 0.10 | 99.18 | 0.72 | 100.00 |
| % SAMPLE WEIGHT | 0.03 | 30.10 | 0.05 | 30.18 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 828 | 970 | 1 | 1799 |
| % | 46.03 | 53.92 | 0.06 | 100.00 |
| MEAN WEIGHT | 141.52 | 151.60 | 131.00 | 146.95 |
| % SAMP. WT. | 44.32 | 55.63 | 0.05 | 100.00 |

TABLE 13 (CONT.) GILLNET ROE FISHERY SAMPLE SUMMARIES BY AREA
 =====

AREA: 14 - COMOX

SAMPLE NUMBERS: 284,269,274,259,275,249

SOURCE: ROE FISHERY

GEAR: GILLNET

DATE: FEB 27/83 - FEB 28/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 2 | 113 | 120 | 96 | 38 | 30 | 7 | 1 | 183 | 590 |
| % AT AGE | 0.00 | 0.00 | 0.49 | 27.76 | 29.48 | 23.59 | 9.34 | 7.37 | 1.72 | 0.25 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 203.00 | 206.41 | 213.23 | 219.05 | 222.95 | 228.70 | 237.00 | 236.00 | 212.25 | 214.27 |
| - STD. DEV. | 0.00 | 0.00 | 11.31 | 7.77 | 7.67 | 8.70 | 7.04 | 9.24 | 13.20 | 0.00 | 9.00 | 10.49 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 123.50 | 134.90 | 149.24 | 159.52 | 172.76 | 177.47 | 194.00 | 217.00 | 145.98 | 150.67 |
| - STD. DEV. | 0.00 | 0.00 | 6.36 | 12.59 | 16.17 | 17.06 | 18.89 | 21.02 | 33.89 | 0.00 | 17.58 | 21.20 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 18 | 457 | 112 | 3 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 3.05 | 77.46 | 18.98 | 0.51 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 17 | 264 | 0 | 281 |
| % | 6.05 | 93.95 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 1.64 | 27.68 | 0.00 | 29.32 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 309 | 281 | 0 | 590 |
| % | 52.37 | 47.63 | 0.00 | 100.00 |
| MEAN WEIGHT | 146.76 | 154.96 | 0.00 | 150.67 |
| % SAMP. WT. | 51.02 | 48.98 | 0.00 | 100.00 |

TABLE 13 (CONT.) GILLNET ROE FISHERY SAMPLE SUMMARIES BY AREA
 =====

AREA: 25 - NOOTKA SOUND
 SAMPLE NUMBERS: 173,158,106,144,136,395,119
 SOURCE: ROE FISHERY
 GEAR: GILLNET
 DATE: MAR 3/83 - MAR 4/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 0 | 2 | 81 | 136 | 256 | 37 | 56 | 2 | 1 | 127 | 698 |
| % AT AGE | 0.00 | 0.00 | 0.35 | 14.19 | 23.82 | 44.83 | 6.48 | 9.81 | 0.35 | 0.18 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 195.50 | 198.96 | 202.53 | 207.69 | 208.84 | 213.46 | 208.50 | 219.00 | 208.78 | 206.38 |
| - STD. DEV. | 0.00 | 0.00 | 2.12 | 9.34 | 8.50 | 10.05 | 8.45 | 9.65 | 24.75 | 0.00 | 12.49 | 10.83 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 109.00 | 124.93 | 133.51 | 140.60 | 143.62 | 151.32 | 139.50 | 151.00 | 139.71 | 138.18 |
| - STD. DEV. | 0.00 | 0.00 | 9.90 | 11.60 | 12.92 | 15.38 | 13.97 | 20.28 | 4.95 | 0.00 | 16.94 | 16.56 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 7 | 576 | 108 | 7 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 1.00 | 82.52 | 15.47 | 1.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | | SEX RATIO: | | | | |
|---------------------------------|------------|--------|-------|--------|-------------|--------|----------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL | |
| NO. | 2 | 330 | 2 | 334 | NO. | 364 | 334 | 0 | 698 |
| % | 0.60 | 98.80 | 0.60 | 100.00 | % | 52.15 | 47.85 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.15 | 29.20 | 0.01 | 29.36 | MEAN WEIGHT | 134.31 | 142.39 | 0.00 | 138.18 |
| | | | | | % SAMP. WT. | 50.69 | 49.31 | 0.00 | 100.00 |

TABLE 13 (CONT.) GILLNET ROE FISHERY SAMPLE SUMMARIES BY AREA
 =====

AREA: 27 - QUATSINO SOUND

SAMPLE NUMBERS: 128

SOURCE: ROE FISHERY

GEAR: GILLNET

DATE: FEB 28/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|------|------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 0 | 7 | 12 | 50 | 2 | 9 | 0 | 0 | 20 | 100 |
| % AT AGE | 0.00 | 0.00 | 0.00 | 8.75 | 15.00 | 62.50 | 2.50 | 11.25 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 0.00 | 205.86 | 210.17 | 210.88 | 206.50 | 212.00 | 0.00 | 0.00 | 214.50 | 211.18 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 8.84 | 7.41 | 6.66 | 2.12 | 4.66 | 0.00 | 0.00 | 8.35 | 7.27 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 0.00 | 137.14 | 138.50 | 139.38 | 137.50 | 139.00 | 0.00 | 0.00 | 144.30 | 140.03 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 11.07 | 16.14 | 14.72 | 9.19 | 12.37 | 0.00 | 0.00 | 14.84 | 14.29 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 4 | 63 | 32 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 4.00 | 63.00 | 32.00 | 1.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 4 | 59 | 0 | 63 |
| % | 6.35 | 93.65 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 1.62 | 28.10 | 0.00 | 29.72 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 37 | 63 | 0 | 100 |
| % | 37.00 | 63.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 135.30 | 142.81 | 0.00 | 140.03 |
| % SAMP. WT. | 35.75 | 64.25 | 0.00 | 100.00 |

TABLE 14 GILLNET ROE FISHERY SAMPLE SUMMARIES BY SECTION

=====

SECTION: 25 - SKINCUTTLE INLET

SAMPLE NUMBERS: 227,210,300,211,195,253,260,313,350,254,
285,303

SOURCE: ROE FISHERY

GEAR: GILLNET

DATE: MAR 15/83

SPECIMENS AT EACH AGE:

=====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|------|------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 0 | 10 | 21 | 665 | 23 | 19 | 5 | 4 | 434 | 1181 |
| % AT AGE | 0.00 | 0.00 | 0.00 | 1.34 | 2.81 | 89.02 | 3.08 | 2.54 | 0.67 | 0.54 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 0.00 | 205.50 | 208.48 | 213.09 | 218.96 | 225.05 | 229.20 | 233.25 | 210.33 | 212.37 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 4.99 | 9.14 | 8.69 | 9.57 | 8.02 | 11.99 | 11.53 | 9.41 | 9.41 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 0.00 | 141.80 | 147.67 | 156.85 | 170.57 | 176.63 | 181.60 | 203.50 | 154.28 | 156.46 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 8.97 | 15.30 | 17.70 | 16.16 | 19.77 | 28.61 | 18.91 | 18.15 | 18.49 |

HJORT MATURITY STAGES:

=====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 1 | 12 | 942 | 226 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.08 | 1.02 | 79.76 | 19.14 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 12 | 575 | 0 | 587 |
| % | 2.04 | 97.96 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.50 | 28.60 | 0.00 | 29.09 |

SEX RATIO:

=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 594 | 587 | 0 | 1181 |
| % | 50.30 | 49.70 | 0.00 | 100.00 |
| MEAN WEIGHT | 149.05 | 163.96 | 0.00 | 156.46 |
| % SAMP. WT. | 47.91 | 52.09 | 0.00 | 100.00 |

TABLE 14 (CONT.) GILLNET ROE FISHERY SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 61 - OTHER AREA 6

SAMPLE NUMBERS: 318

SOURCE: ROE FISHERY

GEAR: GILLNET

DATE: MAR. 21/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | |
|--------------------|------|------|------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 0 | 0 | 5 | 3 | 57 | 1 | 3 | 1 | 1 | 29 | 100 |
| % AT AGE | 0.00 | 0.00 | 0.00 | 7.04 | 4.23 | 80.28 | 1.41 | 4.23 | 1.41 | 1.41 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 0.00 | 203.20 | 204.67 | 208.82 | 207.00 | 217.33 | 223.00 | 245.00 | 210.21 | 209.56 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 7.43 | 7.51 | 7.87 | 0.00 | 10.50 | 0.00 | 0.00 | 8.13 | 8.88 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 0.00 | 126.80 | 123.00 | 130.25 | 125.00 | 144.00 | 175.00 | 190.00 | 138.03 | 133.52 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 12.40 | 12.17 | 17.93 | 0.00 | 30.51 | 0.00 | 0.00 | 13.15 | 18.17 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 2 | 87 | 11 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 2.00 | 87.00 | 11.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 1 | 54 | 0 | 55 |
| % | 1.82 | 98.18 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 45 | 55 | 0 | 100 |
| % | 45.00 | 55.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 126.78 | 139.04 | 0.00 | 133.52 |
| % SAMP. WT. | 42.73 | 57.27 | 0.00 | 100.00 |

TABLE 14 (CONT.) GILLNET ROE FISHERY SAMPLE SUMMARIES BY SECTION

=====

SECTION: 67 - KITASU BAY

SAMPLE NUMBERS: 212,175,179,412,205,184

SOURCE: ROE FISHERY

GEAR: GILLNET

DATE: MAR 21/83

SPECIMENS AT EACH AGE:

=====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|------|------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 0 | 12 | 19 | 332 | 14 | 18 | 4 | 2 | 197 | 598 |
| % AT AGE | 0.00 | 0.00 | 0.00 | 2.99 | 4.74 | 82.79 | 3.49 | 4.49 | 1.00 | 0.50 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 0.00 | 203.58 | 208.47 | 210.40 | 218.00 | 220.89 | 223.75 | 222.50 | 210.89 | 210.99 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 5.42 | 9.06 | 7.63 | 10.55 | 10.29 | 3.59 | 7.78 | 9.00 | 8.65 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 0.00 | 126.75 | 137.37 | 142.97 | 158.50 | 157.83 | 167.00 | 170.00 | 141.37 | 143.00 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 12.81 | 15.16 | 17.13 | 18.71 | 17.02 | 22.02 | 11.31 | 18.64 | 18.19 |

HJORT MATURITY STAGES:

=====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 9 | 527 | 61 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 1.51 | 88.13 | 10.20 | 0.17 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 8 | 294 | 1 | 303 |
| % | 2.64 | 97.03 | 0.33 | 100.00 |
| % SAMPLE WEIGHT | 0.65 | 28.71 | 0.00 | 29.36 |

SEX RATIO:

=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 295 | 303 | 0 | 598 |
| % | 49.33 | 50.67 | 0.00 | 100.00 |
| MEAN WEIGHT | 138.19 | 147.68 | 0.00 | 143.00 |
| % SAMP. WT. | 47.67 | 52.33 | 0.00 | 100.00 |

TABLE 14 (CONT.) GILLNET ROE FISHERY SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 72 - POWELL ANCHORAGE

SAMPLE NUMBERS: 410,187,365,363,344,178,201,414

SOURCE: ROE FISHERY

GEAR: GILLNET

DATE: MAR 23/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 0 | 4 | 50 | 68 | 450 | 31 | 18 | 2 | 1 | 175 | 799 |
| % AT AGE | 0.00 | 0.00 | 0.64 | 8.01 | 10.90 | 72.12 | 4.97 | 2.88 | 0.32 | 0.16 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 191.75 | 198.18 | 202.32 | 208.55 | 211.55 | 211.89 | 215.50 | 237.00 | 204.98 | 206.75 |
| - STD. DEV. | 0.00 | 0.00 | 6.85 | 9.69 | 9.03 | 9.28 | 10.58 | 7.78 | 16.26 | 0.00 | 10.55 | 10.21 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 115.50 | 132.98 | 136.82 | 149.42 | 153.65 | 155.78 | 170.50 | 229.00 | 146.79 | 147.03 |
| - STD. DEV. | 0.00 | 0.00 | 20.92 | 16.96 | 14.14 | 17.24 | 18.11 | 14.57 | 21.92 | 0.00 | 17.52 | 18.18 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 20 | 697 | 80 | 2 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 2.50 | 87.23 | 10.01 | 0.25 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 1 | 390 | 1 | 392 |
| % | 0.26 | 99.49 | 0.26 | 100.00 |
| % SAMPLE WEIGHT | 0.07 | 30.26 | 0.01 | 30.34 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 407 | 392 | 0 | 799 |
| % | 50.94 | 49.06 | 0.00 | 100.00 |
| MEAN WEIGHT | 141.97 | 152.29 | 0.00 | 147.03 |
| % SAMP. WT. | 49.18 | 50.82 | 0.00 | 100.00 |

109

TABLE 14 (CONT.) GILLNET ROE FISHERY SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 74 - THOMPSON BAY

SAMPLE NUMBERS: 192,366,317,322,381,367,193,200,182,207

SOURCE: ROE FISHERY

GEAR: GILLNET

DATE: MAR 18/83 - MAR 23/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 0 | 5 | 67 | 147 | 463 | 45 | 34 | 5 | 2 | 232 | 1000 |
| % AT AGE | 0.00 | 0.00 | 0.65 | 8.72 | 19.14 | 60.29 | 5.86 | 4.43 | 0.65 | 0.26 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 196.40 | 199.39 | 204.29 | 209.06 | 211.93 | 217.29 | 217.00 | 234.00 | 208.44 | 208.00 |
| - STD. DEV. | 0.00 | 0.00 | 7.37 | 7.76 | 9.04 | 8.80 | 11.04 | 10.45 | 7.31 | 14.14 | 9.84 | 9.87 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 124.40 | 133.76 | 140.46 | 148.98 | 155.49 | 165.47 | 163.00 | 175.00 | 146.08 | 146.89 |
| - STD. DEV. | 0.00 | 0.00 | 14.79 | 12.25 | 16.53 | 17.06 | 17.58 | 21.78 | 18.87 | 26.87 | 16.64 | 17.92 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 15 | 869 | 108 | 7 | 0 | 1 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 1.50 | 86.90 | 10.80 | 0.70 | 0.00 | 0.10 |

| ROE MATURITY (FEMALE): ===== | | | | | SEX RATIO: ===== | | | | |
|---------------------------------|----------|--------|-------|--------|---------------------|--------|--------|----------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 0 | 572 | 6 | 578 | NO. | 421 | 578 | 1 | 1000 |
| % | 0.00 | 98.96 | 1.04 | 100.00 | % | 42.10 | 57.80 | 0.10 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 29.99 | 0.08 | 30.07 | MEAN WEIGHT | 141.09 | 151.14 | 131.00 | 146.89 |
| | | | | | % SAMP. WT. | 40.44 | 59.47 | 0.09 | 100.00 |

TABLE 14 (CONT.) GILLNET ROE FISHERY SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 142 - BAYNES SOUND

SAMPLE NUMBERS: 269,284,249,275,274,259

SOURCE: ROE FISHERY

GEAR: GILLNET

DATE: FEB 27/83 - FEB 28/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 0 | 2 | 113 | 120 | 96 | 38 | 30 | 7 | 1 | 183 | 590 |
| % AT AGE | 0.00 | 0.00 | 0.49 | 27.76 | 29.48 | 23.59 | 9.34 | 7.37 | 1.72 | 0.25 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 203.00 | 206.41 | 213.23 | 219.05 | 222.95 | 228.70 | 237.00 | 236.00 | 212.25 | 214.27 |
| - STD. DEV. | 0.00 | 0.00 | 11.31 | 7.77 | 7.67 | 8.70 | 7.04 | 9.24 | 13.20 | 0.00 | 9.00 | 10.49 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 123.50 | 134.90 | 149.24 | 159.52 | 172.76 | 177.47 | 194.00 | 217.00 | 145.98 | 150.67 |
| - STD. DEV. | 0.00 | 0.00 | 6.36 | 12.59 | 16.17 | 17.06 | 18.89 | 21.02 | 33.89 | 0.00 | 17.58 | 21.20 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 18 | 457 | 112 | 3 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 3.05 | 77.46 | 18.98 | 0.51 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 17 | 264 | 0 | 281 |
| % | 6.05 | 93.95 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 1.64 | 27.68 | 0.00 | 29.32 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 309 | 281 | 0 | 590 |
| % | 52.37 | 47.63 | 0.00 | 100.00 |
| MEAN WEIGHT | 146.76 | 154.96 | 0.00 | 150.67 |
| % SAMP. WT. | 51.02 | 48.98 | 0.00 | 100.00 |

TABLE 14 (CONT.) GILLNET ROE FISHERY SAMPLE SUMMARIES BY SECTION
 =====

SECTION: 253 - NUCHATLITZ INLET

SAMPLE NUMBERS: 136, 144, 173, 158, 106, 395, 119

SOURCE: ROE FISHERY

GEAR: GILLNET

DATE: MAR 3/83 - MAR 4/83

| SPECIMENS AT EACH AGE: | | AGE | | | | | | | | | | TOTAL | |
|------------------------|--|------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| ===== | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | | 0 | 0 | 2 | 81 | 136 | 256 | 37 | 56 | 2 | 1 | 127 | 698 |
| % AT AGE | | 0.00 | 0.00 | 0.35 | 14.19 | 23.82 | 44.83 | 6.48 | 9.81 | 0.35 | 0.18 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | | 0.00 | 0.00 | 195.50 | 198.96 | 202.53 | 207.69 | 208.84 | 213.46 | 208.50 | 219.00 | 208.78 | 206.38 |
| - STD. DEV. | | 0.00 | 0.00 | 2.12 | 9.34 | 8.50 | 10.05 | 8.45 | 9.65 | 24.75 | 0.00 | 12.49 | 10.83 |
| WEIGHT - MEAN (gm) | | 0.00 | 0.00 | 109.00 | 124.93 | 133.51 | 140.60 | 143.62 | 151.32 | 139.50 | 151.00 | 139.71 | 138.18 |
| - STD. DEV. | | 0.00 | 0.00 | 9.90 | 11.60 | 12.92 | 15.38 | 13.97 | 20.28 | 4.95 | 0.00 | 16.94 | 16.56 |

| HJORT MATURITY STAGES: | | MATURITY STAGE | | | | | | | | |
|------------------------|--|----------------|------|------|------|-------|-------|------|------|---------|
| ===== | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | | 0 | 0 | 0 | 7 | 576 | 108 | 7 | 0 | 0 |
| % AT STAGE | | 0.00 | 0.00 | 0.00 | 1.00 | 82.52 | 15.47 | 1.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): | | | | SEX RATIO: | | | | | |
|------------------------|----------|--------|-------|------------|-------------|--------|--------|----------|--------|
| ===== | | | | ===== | | | | | |
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 2 | 330 | 2 | 334 | NO. | 364 | 334 | 0 | 698 |
| % | 0.60 | 98.80 | 0.60 | 100.00 | % | 52.15 | 47.85 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.15 | 29.20 | 0.01 | 29.36 | MEAN WEIGHT | 134.31 | 142.39 | 0.00 | 138.18 |
| | | | | | % SAMP. WT. | 50.69 | 49.31 | 0.00 | 100.00 |

TABLE 14 (CONT.) GILLNET ROE FISHERY SAMPLE SUMMARIES BY SECTION

SECTION: 273 - WINTER HARBOUR

SAMPLE NUMBERS: 128

SOURCE: ROE FISHERY

GEAR: GILLNET

DATE: FEB 28/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|------|------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 0 | 7 | 12 | 50 | 2 | 9 | 0 | 0 | 20 | 100 |
| % AT AGE | 0.00 | 0.00 | 0.00 | 8.75 | 15.00 | 62.50 | 2.50 | 11.25 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 0.00 | 205.86 | 210.17 | 210.88 | 206.50 | 212.00 | 0.00 | 0.00 | 214.50 | 211.18 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 8.84 | 7.41 | 6.66 | 2.12 | 4.66 | 0.00 | 0.00 | 8.35 | 7.27 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 0.00 | 137.14 | 138.50 | 139.38 | 137.50 | 139.00 | 0.00 | 0.00 | 144.30 | 140.03 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 11.07 | 16.14 | 14.72 | 9.19 | 12.37 | 0.00 | 0.00 | 14.84 | 14.29 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 4 | 63 | 32 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 4.00 | 63.00 | 32.00 | 1.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 4 | 59 | 0 | 63 |
| % | 6.35 | 93.65 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 1.62 | 28.10 | 0.00 | 29.72 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 37 | 63 | 0 | 100 |
| % | 37.00 | 63.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 135.30 | 142.81 | 0.00 | 140.03 |
| % SAMP. WT. | 35.75 | 64.25 | 0.00 | 100.00 |

TABLE 15 SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 2 - PORT LOUIS

SAMPLE NUMBERS: 386,139,132,115,147,264, 97,118

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 36 DATE: MAR 1/83 - MAR 4/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 9 | 6 | 151 | 11 | 521 | 27 | 3 | 2 | 2 | 29 | 761 |
| % AT AGE | 0.00 | 1.23 | 0.82 | 20.63 | 1.50 | 71.17 | 3.69 | 0.41 | 0.27 | 0.27 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 171.22 | 195.67 | 210.87 | 211.55 | 223.31 | 229.48 | 232.00 | 252.00 | 264.00 | 211.93 | 219.84 |
| - STD. DEV. | 0.00 | 7.40 | 9.00 | 8.64 | 12.08 | 9.77 | 12.88 | 27.51 | 0.00 | 5.66 | 22.08 | 13.45 |
| WEIGHT - MEAN(gm) | 0.00 | 68.78 | 108.00 | 147.09 | 154.64 | 179.20 | 196.00 | 224.33 | 178.00 | 225.00 | 148.69 | 170.33 |
| - STD. DEV. | 0.00 | 9.44 | 21.18 | 22.84 | 25.66 | 26.17 | 26.31 | 20.43 | 9.90 | 19.80 | 47.48 | 32.72 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|-------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 1 | 187 | 353 | 139 | 80 | 0 | 1 |
| % AT STAGE | 0.00 | 0.00 | 0.13 | 24.57 | 46.39 | 18.27 | 10.51 | 0.00 | 0.13 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 175 | 229 | 27 | 431 |
| % | 40.60 | 53.13 | 6.26 | 100.00 |
| % SAMPLE WEIGHT | 9.62 | 15.66 | 0.24 | 25.52 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 329 | 431 | 1 | 761 |
| % | 43.23 | 56.64 | 0.13 | 100.00 |
| MEAN WEIGHT | 159.79 | 178.30 | 206.00 | 170.33 |
| % SAMP. WT. | 40.56 | 59.29 | 0.16 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 2 - PORT LOUIS

SAMPLE NUMBERS: 123,114

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 6/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 2 | 2 | 40 | 3 | 123 | 5 | 1 | 1 | 1 | 9 | 187 |
| % AT AGE | 0.00 | 1.12 | 1.12 | 22.47 | 1.69 | 69.10 | 2.81 | 0.56 | 0.56 | 0.56 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 167.00 | 184.00 | 200.80 | 211.67 | 215.60 | 228.60 | 219.00 | 230.00 | 224.00 | 212.11 | 211.83 |
| - STD. DEV. | 0.00 | 11.31 | 5.66 | 10.30 | 11.55 | 10.67 | 10.41 | 0.00 | 0.00 | 0.00 | 13.27 | 13.60 |
| WEIGHT - MEAN(gm) | 0.00 | 63.50 | 100.50 | 145.95 | 163.00 | 173.90 | 193.60 | 191.00 | 179.00 | 213.00 | 166.33 | 166.27 |
| - STD. DEV. | 0.00 | 10.61 | 2.12 | 23.20 | 16.09 | 28.53 | 48.04 | 0.00 | 0.00 | 0.00 | 34.51 | 32.78 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|-------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 1 | 50 | 95 | 20 | 21 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.53 | 26.74 | 50.80 | 10.70 | 11.23 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 50 | 63 | 11 | 124 |
| % | 40.32 | 50.81 | 8.87 | 100.00 |
| % SAMPLE WEIGHT | 7.96 | 16.74 | 0.12 | 24.82 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 62 | 124 | 1 | 187 |
| % | 33.16 | 66.31 | 0.53 | 100.00 |
| MEAN WEIGHT | 151.53 | 174.53 | 56.00 | 166.27 |
| % SAMP. WT. | 30.22 | 69.60 | 0.18 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 3 - RENNELL SOUND

SAMPLE NUMBERS: 98

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 36 DATE: MAR 1/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 1 | 1 | 47 | 0 | 37 | 4 | 3 | 2 | 0 | 5 | 100 |
| % AT AGE | 0.00 | 1.05 | 1.05 | 49.47 | 0.00 | 38.95 | 4.21 | 3.16 | 2.11 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 188.00 | 207.00 | 214.32 | 0.00 | 224.92 | 228.25 | 237.00 | 251.00 | 0.00 | 222.80 | 220.30 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 7.80 | 0.00 | 7.55 | 3.30 | 5.00 | 5.66 | 0.00 | 11.37 | 11.09 |
| WEIGHT - MEAN (gm) | 0.00 | 103.00 | 131.00 | 157.53 | 0.00 | 185.38 | 188.00 | 218.67 | 238.00 | 0.00 | 186.40 | 173.13 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 20.44 | 0.00 | 22.25 | 24.40 | 25.50 | 22.63 | 0.00 | 35.30 | 29.42 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 4 | 36 | 60 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 4.00 | 36.00 | 60.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 4 | 60 | 0 | 64 |
| % | 6.25 | 93.75 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 1.57 | 23.24 | 0.00 | 24.81 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 36 | 64 | 0 | 100 |
| % | 36.00 | 64.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 160.31 | 180.34 | 0.00 | 173.13 |
| % SAMP. WT. | 33.33 | 66.67 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 3 - RENNELL SOUND

SAMPLE NUMBERS: 185,186

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 15/83 - MAR 16/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 2 | 3 | 96 | 7 | 61 | 10 | 1 | 1 | 0 | 9 | 190 |
| % AT AGE | 0.00 | 1.10 | 1.66 | 53.04 | 3.87 | 33.70 | 5.52 | 0.55 | 0.55 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 166.50 | 184.67 | 204.36 | 210.43 | 222.70 | 234.10 | 225.00 | 235.00 | 0.00 | 211.67 | 211.95 |
| - STD. DEV. | 0.00 | 2.12 | 4.62 | 11.02 | 8.36 | 10.34 | 13.40 | 0.00 | 0.00 | 0.00 | 21.06 | 15.96 |
| WEIGHT - MEAN (gm) | 0.00 | 79.50 | 114.00 | 153.59 | 165.00 | 191.30 | 229.20 | 227.00 | 216.00 | 0.00 | 168.22 | 170.10 |
| - STD. DEV. | 0.00 | 7.78 | 7.21 | 25.79 | 26.56 | 28.04 | 30.86 | 0.00 | 0.00 | 0.00 | 46.41 | 37.12 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 14 | 165 | 11 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 7.37 | 86.84 | 5.79 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 13 | 90 | 0 | 103 |
| % | 12.62 | 87.38 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 2.48 | 26.83 | 0.00 | 29.31 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 87 | 103 | 0 | 190 |
| % | 45.79 | 54.21 | 0.00 | 100.00 |
| MEAN WEIGHT | 155.67 | 182.29 | 0.00 | 170.10 |
| % SAMP. WT. | 41.90 | 58.10 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 3 - RENNELL SOUND

SAMPLE NUMBERS: 194

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 39 DATE: MAR 23/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | |
|-------------------|------|------|------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 0 | 0 | 37 | 1 | 41 | 7 | 3 | 1 | 1 | 9 | 100 |
| % AT AGE | 0.00 | 0.00 | 0.00 | 40.66 | 1.10 | 45.05 | 7.69 | 3.30 | 1.10 | 1.10 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 0.00 | 219.51 | 220.00 | 223.34 | 223.86 | 239.33 | 205.00 | 240.00 | 218.22 | 221.93 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 8.88 | 0.00 | 10.25 | 11.20 | 22.81 | 0.00 | 0.00 | 15.83 | 11.37 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 0.00 | 170.27 | 183.00 | 183.00 | 186.86 | 215.00 | 151.00 | 218.00 | 173.67 | 178.71 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 25.92 | 0.00 | 30.68 | 32.94 | 63.84 | 0.00 | 0.00 | 36.05 | 31.34 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|--------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 0 | 48 | 0 | 48 |
| % | 0.00 | 100.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 31.56 | 0.00 | 31.56 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 52 | 48 | 0 | 100 |
| % | 52.00 | 48.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 165.56 | 192.96 | 0.00 | 178.71 |
| % SAMP. WT. | 48.17 | 51.83 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 5 - ENGLEFIELD BAY

SAMPLE NUMBERS: 208,181,213,183

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 9/83 - MAR 12/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 4 | 3 | 292 | 10 | 55 | 6 | 4 | 3 | 4 | 18 | 399 |
| % AT AGE | 0.00 | 1.05 | 0.79 | 76.64 | 2.62 | 14.44 | 1.57 | 1.05 | 0.79 | 1.05 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 170.00 | 191.67 | 203.43 | 212.00 | 216.64 | 224.50 | 239.25 | 232.67 | 241.00 | 209.72 | 206.60 |
| - STD. DEV. | 0.00 | 4.76 | 5.69 | 9.36 | 11.10 | 9.09 | 6.83 | 7.27 | 3.51 | 6.06 | 10.17 | 12.42 |
| WEIGHT - MEAN (gm) | 0.00 | 77.75 | 104.67 | 136.51 | 154.10 | 170.35 | 171.17 | 191.75 | 199.33 | 217.75 | 150.11 | 143.76 |
| - STD. DEV. | 0.00 | 13.45 | 16.92 | 21.49 | 17.60 | 19.65 | 18.08 | 21.14 | 33.95 | 10.37 | 26.80 | 27.45 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 0 | 0 | 180 | 188 | 30 | 0 | 0 | 0 |
| % AT STAGE | 0.25 | 0.00 | 0.00 | 45.11 | 47.12 | 7.52 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 158 | 50 | 0 | 208 |
| % | 75.96 | 24.04 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 17.63 | 6.91 | 0.00 | 24.54 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 191 | 208 | 0 | 399 |
| % | 47.87 | 52.13 | 0.00 | 100.00 |
| MEAN WEIGHT | 135.99 | 150.90 | 0.00 | 143.76 |
| % SAMP. WT. | 45.28 | 54.72 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 5 - ENGLEFIELD BAY

SAMPLE NUMBERS: 206,177,191,256,196,176

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 13/83 - MAR 19/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 2 | 11 | 425 | 22 | 89 | 6 | 5 | 2 | 3 | 22 | 587 |
| % AT AGE | 0.00 | 0.35 | 1.95 | 75.22 | 3.89 | 15.75 | 1.06 | 0.88 | 0.35 | 0.53 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 184.50 | 193.82 | 205.30 | 212.55 | 214.40 | 230.17 | 226.40 | 226.00 | 248.33 | 210.55 | 207.58 |
| - STD. DEV. | 0.00 | 13.44 | 11.03 | 10.62 | 9.27 | 9.43 | 11.03 | 9.76 | 21.21 | 3.06 | 12.05 | 11.99 |
| WEIGHT - MEAN(gm) | 0.00 | 94.00 | 109.18 | 141.40 | 163.68 | 178.12 | 224.00 | 190.00 | 174.00 | 245.67 | 153.95 | 149.41 |
| - STD. DEV. | 0.00 | 21.21 | 22.42 | 25.20 | 23.32 | 30.79 | 26.44 | 28.59 | 21.21 | 20.03 | 30.64 | 31.93 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 119 | 397 | 70 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 20.27 | 67.63 | 11.93 | 0.17 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 112 | 166 | 0 | 278 |
| % | 40.29 | 59.71 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 8.99 | 17.94 | 0.00 | 26.93 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 309 | 278 | 0 | 587 |
| % | 52.64 | 47.36 | 0.00 | 100.00 |
| MEAN WEIGHT | 141.92 | 157.74 | 0.00 | 149.41 |
| % SAMP. WT. | 50.00 | 50.00 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 5 - ENGLEFIELD BAY

SAMPLE NUMBERS: 352,333,180,188,324,316,320,287,368,426,
 422,403,374

SOURCE: ROE FISHERY
 PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 39 DATE: MAR 20/83 - MAR 21/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 3 | 19 | 805 | 47 | 184 | 33 | 22 | 13 | 7 | 162 | 1295 |
| % AT AGE | 0.00 | 0.26 | 1.68 | 71.05 | 4.15 | 16.24 | 2.91 | 1.94 | 1.15 | 0.62 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 170.67 | 193.32 | 207.65 | 216.60 | 222.73 | 227.36 | 235.73 | 241.23 | 246.71 | 207.23 | 211.30 |
| - STD. DEV. | 0.00 | 5.51 | 8.43 | 9.23 | 9.16 | 9.81 | 9.89 | 11.12 | 9.39 | 11.40 | 15.39 | 13.29 |
| WEIGHT - MEAN(gm) | 0.00 | 73.67 | 105.42 | 138.30 | 154.77 | 174.13 | 185.91 | 199.86 | 198.46 | 202.57 | 143.46 | 147.21 |
| - STD. DEV. | 0.00 | 4.62 | 14.50 | 21.78 | 23.58 | 27.41 | 22.84 | 23.78 | 24.12 | 24.66 | 31.79 | 30.04 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 28 | 975 | 291 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 2.16 | 75.29 | 22.47 | 0.08 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | | | | | SEX RATIO: ===== | | | | |
|---------------------------------|----------|--------|-------|--------|---------------------|--------|--------|----------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 26 | 651 | 1 | 678 | NO. | 617 | 678 | 0 | 1295 |
| % | 3.83 | 96.02 | 0.15 | 100.00 | % | 47.64 | 52.36 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.76 | 29.30 | 0.02 | 30.07 | MEAN WEIGHT | 137.34 | 156.19 | 0.00 | 147.21 |
| | | | | | % SAMP. WT. | 44.45 | 55.55 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 6 - LOUSCOONE INLET
 SAMPLE NUMBERS: 189
 SOURCE: PRE-FISHERY CHARTER
 GEAR: HERRING SEINE
 WEEK: 38 DATE: MAR 13/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 18 | 5 | 1 | 7 | 43 | 2 | 2 | 1 | 0 | 11 | 90 |
| % AT AGE | 0.00 | 22.78 | 6.33 | 1.27 | 8.86 | 54.43 | 2.53 | 2.53 | 1.27 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 170.11 | 178.80 | 210.00 | 209.29 | 216.98 | 229.50 | 246.50 | 246.00 | 0.00 | 198.55 | 203.81 |
| - STD. DEV. | 0.00 | 5.62 | 11.76 | 0.00 | 10.64 | 8.24 | 23.33 | 4.95 | 0.00 | 0.00 | 27.45 | 23.95 |
| WEIGHT - MEAN (gm) | 0.00 | 67.06 | 90.80 | 142.00 | 140.14 | 155.58 | 162.00 | 204.50 | 215.00 | 0.00 | 123.45 | 130.89 |
| - STD. DEV. | 0.00 | 7.93 | 23.75 | 0.00 | 30.09 | 24.59 | 45.25 | 24.75 | 0.00 | 0.00 | 59.73 | 47.55 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 2 | 88 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 2.22 | 97.78 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 2 | 43 | 0 | 45 |
| % | 4.44 | 95.56 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.43 | 31.22 | 0.00 | 31.65 |

| SEX RATIO: ===== | SEX RATIO: | | | |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 45 | 45 | 0 | 90 |
| % | 50.00 | 50.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 112.87 | 148.91 | 0.00 | 130.89 |
| % SAMP. WT. | 43.12 | 56.88 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 11 - OTHER AREA 1
 SAMPLE NUMBERS: 73, 71, 75
 SOURCE: FOOD FISHERY
 GEAR: HERRING SEINE
 WEEK: 22 DATE: NOV 22/82 - NOV 25/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 0 | 2 | 21 | 10 | 105 | 7 | 1 | 8 | 5 | 96 | 255 |
| % AT AGE | 0.00 | 0.00 | 1.26 | 13.21 | 6.29 | 66.04 | 4.40 | 0.63 | 5.03 | 3.14 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 192.50 | 208.90 | 213.50 | 224.86 | 234.29 | 238.00 | 247.38 | 257.60 | 217.46 | 221.72 |
| - STD. DEV. | 0.00 | 0.00 | 9.19 | 8.48 | 7.81 | 8.53 | 13.67 | 0.00 | 14.69 | 15.19 | 14.95 | 14.86 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 111.00 | 147.10 | 157.00 | 189.24 | 200.86 | 198.00 | 235.13 | 254.00 | 167.54 | 178.78 |
| - STD. DEV. | 0.00 | 0.00 | 1.41 | 18.57 | 16.58 | 21.70 | 23.65 | 0.00 | 33.72 | 31.36 | 31.33 | 33.37 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 72 | 177 | 6 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 28.24 | 69.41 | 2.35 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | | | | | SEX RATIO: ===== | | | | |
|---------------------------------|----------|--------|-------|--------|---------------------|--------|--------|----------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 139 | 0 | 0 | 139 | NO. | 114 | 139 | 1 | 254 |
| % | 100.00 | 0.00 | 0.00 | 100.00 | % | 44.88 | 54.72 | 0.39 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 | MEAN WEIGHT | 175.32 | 181.90 | 161.00 | 178.86 |
| | | | | | % SAMP. WT. | 43.99 | 55.65 | 0.35 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 11 - OTHER AREA 1
 SAMPLE NUMBERS: 74, 69, 65, 68, 76
 SOURCE: FOOD FISHERY
 GEAR: HERRING SEINE
 WEEK: 23 DATE: NOV 30/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 6 | 24 | 55 | 20 | 195 | 20 | 10 | 7 | 7 | 91 | 435 |
| % AT AGE | 0.00 | 1.74 | 6.98 | 15.99 | 5.81 | 56.69 | 5.81 | 2.91 | 2.03 | 2.03 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 153.83 | 188.54 | 207.87 | 213.65 | 224.33 | 231.75 | 245.50 | 245.71 | 246.71 | 217.54 | 218.92 |
| - STD. DEV. | 0.00 | 3.97 | 8.71 | 9.05 | 7.86 | 9.37 | 8.33 | 15.43 | 10.34 | 8.65 | 14.96 | 17.35 |
| WEIGHT - MEAN(gm) | 0.00 | 52.50 | 104.38 | 142.55 | 153.90 | 186.96 | 208.90 | 225.20 | 234.29 | 228.43 | 175.20 | 174.27 |
| - STD. DEV. | 0.00 | 7.82 | 14.83 | 20.38 | 16.73 | 23.66 | 20.42 | 32.37 | 20.69 | 17.85 | 35.31 | 39.37 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 7 | 128 | 271 | 29 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 1.61 | 29.43 | 62.30 | 6.67 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 203 | 1 | 0 | 204 |
| % | 99.51 | 0.49 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

| SEX RATIO: ===== | SEX RATIO: | | | |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 230 | 204 | 1 | 435 |
| % | 52.87 | 46.90 | 0.23 | 100.00 |
| MEAN WEIGHT | 170.63 | 178.34 | 182.00 | 174.27 |
| % SAMP. WT. | 51.77 | 47.99 | 0.24 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 12 - NADEN HARBOUR

SAMPLE NUMBERS: 77

SOURCE: FOOD FISHERY

GEAR: HERRING SEINE

WEEK: 23 DATE: NOV 28/82

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|------|------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 32 | 12 | 25 | 2 | 18 | 0 | 0 | 1 | 2 | 7 | 99 |
| % AT AGE | 0.00 | 34.78 | 13.04 | 27.17 | 2.17 | 19.57 | 0.00 | 0.00 | 1.09 | 2.17 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 157.97 | 179.75 | 193.84 | 206.00 | 218.28 | 0.00 | 0.00 | 228.00 | 253.50 | 179.71 | 185.78 |
| - STD. DEV. | 0.00 | 7.76 | 9.85 | 11.88 | 16.97 | 9.71 | 0.00 | 0.00 | 0.00 | 0.71 | 27.46 | 26.84 |
| WEIGHT - MEAN (gm) | 0.00 | 60.38 | 93.25 | 118.64 | 148.00 | 165.11 | 0.00 | 0.00 | 166.00 | 229.50 | 98.14 | 107.04 |
| - STD. DEV. | 0.00 | 8.97 | 18.10 | 25.95 | 18.38 | 20.42 | 0.00 | 0.00 | 0.00 | 4.95 | 56.11 | 47.60 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|-------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 21 | 40 | 36 | 2 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 21.21 | 40.40 | 36.36 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 55 | 0 | 0 | 55 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 44 | 55 | 0 | 99 |
| % | 44.44 | 55.56 | 0.00 | 100.00 |
| MEAN WEIGHT | 109.55 | 105.04 | 0.00 | 107.04 |
| % SAMP. WT. | 45.48 | 54.52 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 22 - SKIDEGATE INLET

SAMPLE NUMBERS: 433,431,432

SOURCE: BAIT FISHERY
 OTHER

GEAR: HERRING SEINE

WEEK: 45 DATE: MAY 1/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 5 | 77 | 37 | 57 | 25 | 16 | 9 | 14 | 8 | 20 | 268 |
| % AT AGE | 0.00 | 2.02 | 31.05 | 14.92 | 22.98 | 10.08 | 6.45 | 3.63 | 5.65 | 3.23 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 150.80 | 185.99 | 195.32 | 212.30 | 218.04 | 226.25 | 233.22 | 241.14 | 246.75 | 199.45 | 204.90 |
| - STD. DEV. | 0.00 | 7.85 | 10.15 | 12.32 | 9.21 | 12.46 | 11.02 | 11.24 | 7.37 | 10.94 | 16.46 | 22.24 |
| WEIGHT - MEAN(gm) | 0.00 | 48.60 | 97.18 | 111.11 | 147.12 | 156.52 | 172.63 | 196.22 | 198.36 | 245.50 | 129.00 | 134.27 |
| - STD. DEV. | 0.00 | 9.74 | 20.57 | 22.58 | 28.27 | 29.88 | 31.20 | 23.42 | 27.24 | 23.69 | 40.86 | 46.64 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 22 | 154 | 40 | 52 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 8.21 | 57.46 | 14.93 | 19.40 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 14 | 119 | 16 | 149 |
| % | 9.40 | 79.87 | 10.74 | 100.00 |
| % SAMPLE WEIGHT | 1.69 | 24.84 | 0.17 | 26.70 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 119 | 149 | 0 | 268 |
| % | 44.40 | 55.60 | 0.00 | 100.00 |
| MEAN WEIGHT | 120.87 | 144.98 | 0.00 | 134.27 |
| % SAMP. WT. | 39.97 | 60.03 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 23 - CUMSHEWA INLET

SAMPLE NUMBERS: 197,214

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 39 DATE: MAR 22/83 - MAR 23/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 8 | 16 | 8 | 18 | 113 | 12 | 4 | 3 | 1 | 15 | 198 |
| % AT AGE | 0.00 | 4.37 | 8.74 | 4.37 | 9.84 | 61.75 | 6.56 | 2.19 | 1.64 | 0.55 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 164.75 | 178.25 | 193.75 | 205.33 | 208.19 | 219.50 | 229.00 | 248.33 | 245.00 | 204.80 | 204.82 |
| - STD. DEV. | 0.00 | 5.39 | 11.58 | 12.59 | 8.88 | 9.64 | 6.67 | 20.41 | 4.51 | 0.00 | 9.75 | 16.98 |
| WEIGHT - MEAN(gm) | 0.00 | 77.75 | 97.25 | 120.25 | 141.94 | 153.67 | 165.42 | 186.50 | 223.33 | 193.00 | 146.80 | 145.74 |
| - STD. DEV. | 0.00 | 13.32 | 16.01 | 17.64 | 16.52 | 21.61 | 23.58 | 30.73 | 6.11 | 0.00 | 21.38 | 31.73 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 4 | 191 | 3 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 2.02 | 96.46 | 1.52 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 2 | 96 | 0 | 98 |
| % | 2.04 | 97.96 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.42 | 28.08 | 0.00 | 28.51 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 100 | 98 | 0 | 198 |
| % | 50.51 | 49.49 | 0.00 | 100.00 |
| MEAN WEIGHT | 135.19 | 156.50 | 0.00 | 145.74 |
| % SAMP. WT. | 46.85 | 53.15 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 24 - LASKEEK BAY

SAMPLE NUMBERS: 102,343,362,345,281,295,357,404,390

SOURCE: PRE-FISHERY CHARTER
 ROE FISHERY

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 8/83 - MAR 12/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 41 | 41 | 24 | 40 | 622 | 31 | 11 | 6 | 2 | 82 | 900 |
| % AT AGE | 0.00 | 5.01 | 5.01 | 2.93 | 4.89 | 76.04 | 3.79 | 1.34 | 0.73 | 0.24 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 165.83 | 182.93 | 199.92 | 202.48 | 209.75 | 216.61 | 218.00 | 236.50 | 238.50 | 200.70 | 205.70 |
| - STD. DEV. | 0.00 | 6.60 | 8.81 | 8.31 | 12.40 | 9.71 | 8.71 | 9.92 | 11.36 | 4.95 | 18.29 | 15.47 |
| WEIGHT - MEAN(gm) | 0.00 | 67.32 | 98.51 | 128.33 | 140.07 | 153.87 | 159.48 | 168.64 | 193.67 | 208.00 | 133.73 | 145.03 |
| - STD. DEV. | 0.00 | 7.59 | 13.64 | 17.17 | 21.82 | 21.45 | 26.46 | 16.69 | 24.54 | 38.18 | 33.63 | 31.26 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 1 | 0 | 0 | 96 | 709 | 94 | 0 | 0 | 0 |
| % AT STAGE | 0.11 | 0.00 | 0.00 | 10.67 | 78.78 | 10.44 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 50 | 387 | 0 | 437 |
| % | 11.44 | 88.56 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 2.29 | 25.48 | 0.00 | 27.77 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 463 | 437 | 0 | 900 |
| % | 51.44 | 48.56 | 0.00 | 100.00 |
| MEAN WEIGHT | 135.06 | 155.60 | 0.00 | 145.03 |
| % SAMP. WT. | 47.91 | 52.09 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 24 - LASKEEK BAY

SAMPLE NUMBERS: 190

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 39 DATE: MAR 23/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 4 | 5 | 5 | 18 | 53 | 3 | 2 | 2 | 2 | 4 | 98 |
| % AT AGE | 0.00 | 4.26 | 5.32 | 5.32 | 19.15 | 56.38 | 3.19 | 2.13 | 2.13 | 2.13 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 167.75 | 183.20 | 199.20 | 204.89 | 209.62 | 220.00 | 235.00 | 219.50 | 246.00 | 198.75 | 206.50 |
| - STD. DEV. | 0.00 | 4.99 | 8.07 | 15.09 | 9.81 | 8.71 | 11.27 | 0.00 | 2.12 | 8.49 | 14.52 | 15.47 |
| WEIGHT - MEAN(gm) | 0.00 | 71.00 | 100.80 | 137.80 | 135.28 | 153.00 | 190.00 | 186.50 | 178.00 | 215.50 | 128.00 | 145.54 |
| - STD. DEV. | 0.00 | 7.62 | 15.37 | 24.12 | 21.08 | 24.51 | 28.00 | 26.16 | 4.24 | 23.33 | 27.04 | 33.22 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 1 | 3 | 93 | 1 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 1.02 | 3.06 | 94.90 | 1.02 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 2 | 51 | 0 | 53 |
| % | 3.77 | 96.23 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.73 | 29.26 | 0.00 | 29.99 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 45 | 53 | 0 | 98 |
| % | 45.92 | 54.08 | 0.00 | 100.00 |
| MEAN WEIGHT | 130.64 | 158.19 | 0.00 | 145.54 |
| % SAMP. WT. | 41.22 | 58.78 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 24 - LASKEEK BAY

SAMPLE NUMBERS: 204

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 40 DATE: MAR 28/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 7 | 12 | 9 | 7 | 53 | 3 | 2 | 1 | 0 | 4 | 98 |
| % AT AGE | 0.00 | 7.45 | 12.77 | 9.57 | 7.45 | 56.38 | 3.19 | 2.13 | 1.06 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 163.29 | 177.75 | 194.00 | 202.57 | 207.66 | 225.67 | 221.00 | 224.00 | 0.00 | 187.00 | 199.36 |
| - STD. DEV. | 0.00 | 12.41 | 12.69 | 8.54 | 7.74 | 6.15 | 4.73 | 9.90 | 0.00 | 0.00 | 14.85 | 17.39 |
| WEIGHT - MEAN(gm) | 0.00 | 70.86 | 89.92 | 122.22 | 139.29 | 148.26 | 185.67 | 164.00 | 180.00 | 0.00 | 115.75 | 133.02 |
| - STD. DEV. | 0.00 | 14.84 | 19.73 | 18.41 | 15.53 | 17.71 | 7.57 | 11.31 | 0.00 | 0.00 | 39.31 | 33.30 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 17 | 81 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 17.35 | 82.65 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 2 | 46 | 0 | 48 |
| % | 4.17 | 95.83 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.99 | 27.31 | 0.00 | 28.30 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 50 | 48 | 0 | 98 |
| % | 51.02 | 48.98 | 0.00 | 100.00 |
| MEAN WEIGHT | 127.22 | 139.06 | 0.00 | 133.02 |
| % SAMP. WT. | 48.80 | 51.20 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 25 - SKINCUTTLE INLET

SAMPLE NUMBERS: 101,355,232, 95,384,371,405

SOURCE: PRE-FISHERY CHARTER
 ROE FISHERY

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 7/83 - MAR 10/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 15 | 18 | 20 | 41 | 482 | 23 | 9 | 3 | 0 | 89 | 700 |
| % AT AGE | 0.00 | 2.45 | 2.95 | 3.27 | 6.71 | 78.89 | 3.76 | 1.47 | 0.49 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 164.53 | 178.83 | 194.35 | 205.41 | 208.91 | 215.22 | 219.67 | 236.00 | 0.00 | 201.84 | 206.13 |
| - STD. DEV. | 0.00 | 8.61 | 10.85 | 10.24 | 10.01 | 10.37 | 13.17 | 11.42 | 2.65 | 0.00 | 19.39 | 14.78 |
| WEIGHT - MEAN(gm) | 0.00 | 69.20 | 99.56 | 121.10 | 144.76 | 156.71 | 173.70 | 183.00 | 218.33 | 0.00 | 137.54 | 150.37 |
| - STD. DEV. | 0.00 | 9.49 | 18.57 | 18.52 | 17.95 | 21.39 | 29.11 | 24.87 | 32.87 | 0.00 | 38.09 | 30.11 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 58 | 528 | 111 | 3 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 8.29 | 75.43 | 15.86 | 0.43 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 20 | 317 | 1 | 338 |
| % | 5.92 | 93.79 | 0.30 | 100.00 |
| % SAMPLE WEIGHT | 1.12 | 26.26 | 0.00 | 27.38 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 362 | 338 | 0 | 700 |
| % | 51.71 | 48.29 | 0.00 | 100.00 |
| MEAN WEIGHT | 141.14 | 160.26 | 0.00 | 150.37 |
| % SAMP. WT. | 48.54 | 51.46 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 25 - SKINCUTTLE INLET

SAMPLE NUMBERS: 198

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 16/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 3 | 6 | 2 | 4 | 68 | 3 | 1 | 2 | 0 | 11 | 100 |
| % AT AGE | 0.00 | 3.37 | 6.74 | 2.25 | 4.49 | 76.40 | 3.37 | 1.12 | 2.25 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 167.00 | 192.33 | 195.00 | 208.25 | 212.35 | 214.00 | 228.00 | 229.50 | 0.00 | 210.18 | 209.59 |
| - STD. DEV. | 0.00 | 2.00 | 5.43 | 7.07 | 5.68 | 8.57 | 7.21 | 0.00 | 23.33 | 0.00 | 6.26 | 12.57 |
| WEIGHT - MEAN(gm) | 0.00 | 67.33 | 114.17 | 110.00 | 133.75 | 153.28 | 152.00 | 185.00 | 183.50 | 0.00 | 149.45 | 147.17 |
| - STD. DEV. | 0.00 | 4.04 | 13.35 | 1.41 | 11.90 | 23.29 | 8.89 | 0.00 | 58.69 | 0.00 | 18.70 | 28.54 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 3 | 96 | 1 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 3.00 | 96.00 | 1.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 3 | 43 | 0 | 46 |
| % | 6.52 | 93.48 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 1.06 | 27.09 | 0.00 | 28.16 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 54 | 46 | 0 | 100 |
| % | 54.00 | 46.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 133.30 | 163.46 | 0.00 | 147.17 |
| % SAMP. WT. | 48.91 | 51.09 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 25 - SKINCUTTLE INLET

SAMPLE NUMBERS: 411

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

WEEK: 39 DATE: MAR 23/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|------|------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 0 | 3 | 4 | 44 | 1 | 1 | 0 | 0 | 47 | 100 |
| % AT AGE | 0.00 | 0.00 | 0.00 | 5.66 | 7.55 | 83.02 | 1.89 | 1.89 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 0.00 | 200.00 | 204.50 | 212.57 | 220.00 | 219.00 | 0.00 | 0.00 | 208.40 | 210.05 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 2.65 | 6.14 | 7.63 | 0.00 | 0.00 | 0.00 | 0.00 | 6.63 | 7.56 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 0.00 | 123.33 | 143.00 | 152.30 | 182.00 | 165.00 | 0.00 | 0.00 | 143.26 | 147.23 |
| - STD. DEV. | 0.00 | 0.00 | 0.00 | 1.53 | 15.71 | 17.49 | 0.00 | 0.00 | 0.00 | 0.00 | 14.58 | 17.07 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 1 | 65 | 34 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 1.00 | 65.00 | 34.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 0 | 56 | 0 | 56 |
| % | 0.00 | 100.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 33.17 | 0.00 | 33.17 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 44 | 56 | 0 | 100 |
| % | 44.00 | 56.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 140.59 | 152.45 | 0.00 | 147.23 |
| % SAMP. WT. | 42.02 | 57.98 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 25 - SKINCUTTLE INLET

SAMPLE NUMBERS: 430,429

SOURCE: OTHER

GEAR: HERRING SEINE

WEEK: 45 DATE: MAY 4/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 116 | 19 | 4 | 5 | 35 | 3 | 1 | 0 | 0 | 15 | 198 |
| % AT AGE | 0.00 | 63.39 | 10.38 | 2.19 | 2.73 | 19.13 | 1.64 | 0.55 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 166.28 | 178.05 | 192.75 | 208.40 | 208.66 | 209.33 | 227.00 | 0.00 | 0.00 | 170.00 | 177.74 |
| - STD. DEV. | 0.00 | 7.14 | 8.87 | 4.50 | 9.86 | 6.27 | 3.51 | 0.00 | 0.00 | 0.00 | 7.78 | 18.93 |
| WEIGHT - MEAN(gm) | 0.00 | 69.58 | 90.79 | 99.50 | 132.80 | 127.83 | 137.33 | 138.00 | 0.00 | 0.00 | 73.87 | 85.81 |
| - STD. DEV. | 0.00 | 10.14 | 17.99 | 20.09 | 32.90 | 24.35 | 20.65 | 0.00 | 0.00 | 0.00 | 10.99 | 28.79 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|------|-------|-------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 14 | 93 | 59 | 32 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 7.07 | 46.97 | 29.80 | 16.16 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | | | | | SEX RATIO: ===== | | | | |
|---------------------------------|----------|--------|-------|--------|---------------------|-------|--------|----------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 0 | 61 | 15 | 76 | NO. | 122 | 76 | 0 | 198 |
| % | 0.00 | 80.26 | 19.74 | 100.00 | % | 61.62 | 38.38 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 21.04 | 0.73 | 21.77 | MEAN WEIGHT | 77.36 | 99.37 | 0.00 | 85.81 |
| | | | | | % SAMP. WT. | 55.55 | 44.45 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 32 - PORTLAND INLET

SAMPLE NUMBERS: 421,338,331,369,353

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 10/83 - MAR 12/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 53 | 105 | 96 | 19 | 161 | 16 | 1 | 3 | 1 | 45 | 500 |
| % AT AGE | 0.00 | 11.65 | 23.08 | 21.10 | 4.18 | 35.38 | 3.52 | 0.22 | 0.66 | 0.22 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 140.60 | 164.44 | 184.61 | 190.32 | 198.19 | 204.81 | 240.00 | 239.67 | 234.00 | 174.36 | 180.56 |
| - STD. DEV. | 0.00 | 7.69 | 13.86 | 15.67 | 18.72 | 17.56 | 13.72 | 0.00 | 4.51 | 0.00 | 32.36 | 26.27 |
| WEIGHT - MEAN (gm) | 0.00 | 35.60 | 65.64 | 92.51 | 100.68 | 116.07 | 132.31 | 196.00 | 198.00 | 185.00 | 81.44 | 90.04 |
| - STD. DEV. | 0.00 | 6.30 | 15.92 | 23.24 | 25.76 | 25.74 | 25.38 | 0.00 | 3.61 | 0.00 | 45.63 | 37.92 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 33 | 10 | 39 | 248 | 143 | 12 | 1 | 0 | 14 |
| % AT STAGE | 6.60 | 2.00 | 7.80 | 49.60 | 28.60 | 2.40 | 0.20 | 0.00 | 2.80 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 227 | 20 | 0 | 247 |
| % | 91.90 | 8.10 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 16.95 | 2.13 | 0.00 | 19.07 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 239 | 247 | 14 | 500 |
| % | 47.80 | 49.40 | 2.80 | 100.00 |
| MEAN WEIGHT | 90.75 | 92.53 | 33.86 | 90.04 |
| % SAMP. WT. | 48.18 | 50.77 | 1.05 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK

SECTION: 32 - PORTLAND INLET

SAMPLE NUMBERS: 370,310,346,311,418,424

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 13/83 - MAR 18/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 328 | 64 | 50 | 12 | 100 | 3 | 3 | 1 | 0 | 36 | 597 |
| % AT AGE | 0.00 | 58.47 | 11.41 | 8.91 | 2.14 | 17.83 | 0.53 | 0.53 | 0.18 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 136.30 | 163.86 | 184.76 | 195.50 | 201.34 | 223.67 | 218.33 | 215.00 | 0.00 | 154.61 | 157.48 |
| - STD. DEV. | 0.00 | 7.29 | 15.95 | 13.78 | 10.73 | 10.49 | 14.01 | 20.60 | 0.00 | 0.00 | 27.75 | 29.18 |
| WEIGHT - MEAN (gm) | 0.00 | 31.35 | 64.59 | 101.94 | 116.25 | 134.13 | 165.33 | 170.67 | 199.00 | 0.00 | 56.44 | 62.92 |
| - STD. DEV. | 0.00 | 5.15 | 22.05 | 21.62 | 19.13 | 21.40 | 25.32 | 36.00 | 0.00 | 0.00 | 43.10 | 45.08 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 233 | 17 | 25 | 101 | 140 | 12 | 0 | 0 | 69 |
| % AT STAGE | 39.03 | 2.85 | 4.19 | 16.92 | 23.45 | 2.01 | 0.00 | 0.00 | 11.56 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 242 | 33 | 0 | 275 |
| % | 88.00 | 12.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 10.84 | 6.85 | 0.00 | 17.68 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 253 | 275 | 69 | 597 |
| % | 42.38 | 46.06 | 11.56 | 100.00 |
| MEAN WEIGHT | 68.62 | 66.00 | 29.70 | 62.92 |
| % SAMP. WT. | 46.22 | 48.32 | 5.46 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 33 - PORT SIMPSON

SAMPLE NUMBERS: 328

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 9/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|------|--------|--------|--------|--------|--------|------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 18 | 27 | 4 | 35 | 5 | 0 | 1 | 0 | 10 | 100 |
| % AT AGE | 0.00 | 0.00 | 20.00 | 30.00 | 4.44 | 38.89 | 5.56 | 0.00 | 1.11 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 169.83 | 179.63 | 193.75 | 190.00 | 204.00 | 0.00 | 240.00 | 0.00 | 194.10 | 185.33 |
| - STD. DEV. | 0.00 | 0.00 | 11.88 | 7.90 | 5.38 | 8.76 | 9.33 | 0.00 | 0.00 | 0.00 | 10.75 | 14.16 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 83.78 | 104.85 | 133.25 | 129.46 | 158.60 | 0.00 | 217.00 | 0.00 | 127.90 | 116.92 |
| - STD. DEV. | 0.00 | 0.00 | 13.11 | 14.15 | 11.87 | 17.49 | 24.46 | 0.00 | 0.00 | 0.00 | 23.07 | 27.77 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 26 | 73 | 1 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 26.00 | 73.00 | 1.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 26 | 16 | 0 | 42 |
| % | 61.90 | 38.10 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 14.16 | 11.63 | 0.00 | 25.79 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 58 | 42 | 0 | 100 |
| % | 58.00 | 42.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 113.53 | 121.60 | 0.00 | 116.92 |
| % SAMP. WT. | 56.32 | 43.68 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 33 - PORT SIMPSON

SAMPLE NUMBERS: 327,359,337,315,323,319,387,427

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 14/83 - MAR 19/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|--------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 2 | 128 | 164 | 35 | 369 | 29 | 14 | 8 | 2 | 48 | 799 |
| % AT AGE | 0.00 | 0.27 | 17.04 | 21.84 | 4.66 | 49.13 | 3.86 | 1.86 | 1.07 | 0.27 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 17.00 | 47.00 | 50.00 | 54.00 | 58.00 | 62.00 | 65.00 | 68.00 | 72.00 | 75.00 | 65.00 |
| WEIGHT - STD. DEV. | 0.00 | 20.51 | 12.33 | 14.67 | 19.24 | 20.33 | 23.44 | 23.13 | 27.21 | 5.66 | 26.63 | 30.18 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 1 | 234 | 502 | 58 | 1 | 0 | 3 |
| % AT STAGE | 0.00 | 0.00 | 0.13 | 29.29 | 62.83 | 7.26 | 0.13 | 0.00 | 0.38 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 209 | 169 | 1 | 379 |
| % | 55.15 | 44.59 | 0.26 | 100.00 |
| % SAMPLE WEIGHT | 12.28 | 11.18 | 0.01 | 23.47 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 417 | 379 | 3 | 799 |
| % | 52.19 | 47.43 | 0.38 | 100.00 |
| MEAN WEIGHT | 115.80 | 128.96 | 54.00 | 121.81 |
| % SAMP. WT. | 49.62 | 50.22 | 0.17 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 33 - PORT SIMPSON

SAMPLE NUMBERS: 382,314

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 39 DATE: MAR 21/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 0 | 23 | 36 | 6 | 109 | 4 | 4 | 5 | 1 | 11 | 199 |
| % AT AGE | 0.00 | 0.00 | 12.23 | 19.15 | 3.19 | 57.98 | 2.13 | 2.13 | 2.66 | 0.53 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 178.78 | 196.72 | 200.83 | 209.24 | 221.00 | 221.75 | 232.00 | 240.00 | 205.73 | 204.22 |
| - STD. DEV. | 0.00 | 0.00 | 6.53 | 6.91 | 6.05 | 11.16 | 9.70 | 6.40 | 9.70 | 0.00 | 12.58 | 15.22 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 82.70 | 112.22 | 121.50 | 142.08 | 166.00 | 179.25 | 189.20 | 192.00 | 132.82 | 131.35 |
| - STD. DEV. | 0.00 | 0.00 | 9.76 | 15.00 | 17.39 | 24.23 | 20.74 | 11.41 | 20.07 | 0.00 | 29.91 | 31.97 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 21 | 160 | 18 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 10.55 | 80.40 | 9.05 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 18 | 75 | 0 | 93 |
| % | 19.35 | 80.65 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 4.82 | 23.54 | 0.00 | 28.36 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 106 | 93 | 0 | 199 |
| % | 53.27 | 46.73 | 0.00 | 100.00 |
| MEAN WEIGHT | 124.13 | 139.57 | 0.00 | 131.35 |
| % SAMP. WT. | 50.34 | 49.66 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 33 - PORT SIMPSON
 SAMPLE NUMBERS: 408,307,409,341
 SOURCE: PRE-FISHERY CHARTER
 GEAR: HERRING SEINE
 WEEK: 40 DATE: MAR 27/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 10 | 196 | 59 | 8 | 88 | 5 | 1 | 1 | 1 | 30 | 399 |
| % AT AGE | 0.00 | 2.71 | 53.12 | 15.99 | 2.17 | 23.85 | 1.36 | 0.27 | 0.27 | 0.27 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 159.60 | 173.22 | 189.36 | 194.00 | 203.38 | 219.20 | 244.00 | 222.00 | 252.00 | 182.17 | 184.08 |
| - STD. DEV. | 0.00 | 10.74 | 8.39 | 9.63 | 7.29 | 10.04 | 8.32 | 0.00 | 0.00 | 0.00 | 19.21 | 17.40 |
| WEIGHT - MEAN(gm) | 0.00 | 56.00 | 74.30 | 100.73 | 104.50 | 132.34 | 163.00 | 157.00 | 181.00 | 204.00 | 92.77 | 94.45 |
| - STD. DEV. | 0.00 | 11.11 | 12.99 | 16.43 | 17.70 | 23.38 | 26.82 | 0.00 | 0.00 | 0.00 | 36.64 | 32.18 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|------|-------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 3 | 3 | 45 | 136 | 188 | 15 | 6 | 0 | 3 |
| % AT STAGE | 0.75 | 0.75 | 11.28 | 34.09 | 47.12 | 3.76 | 1.50 | 0.00 | 0.75 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 108 | 103 | 3 | 214 |
| % | 50.47 | 48.13 | 1.40 | 100.00 |
| % SAMPLE WEIGHT | 8.47 | 14.09 | 0.04 | 22.61 |

| SEX RATIO: ===== | SEX RATIO: | | | TOTAL |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | |
| NO. | 182 | 214 | 3 | 399 |
| % | 45.61 | 53.63 | 0.75 | 100.00 |
| MEAN WEIGHT | 89.86 | 99.00 | 48.67 | 94.45 |
| % SAMP. WT. | 43.39 | 56.22 | 0.39 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 33 - PORT SIMPSON

SAMPLE NUMBERS: 379,372,360

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 42 DATE: APR 14/83 - APR 16/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 11 | 90 | 40 | 8 | 87 | 4 | 5 | 1 | 0 | 54 | 300 |
| % AT AGE | 0.00 | 4.47 | 36.59 | 16.26 | 3.25 | 35.37 | 1.63 | 2.03 | 0.41 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 150.45 | 167.02 | 186.57 | 200.00 | 204.66 | 225.50 | 224.00 | 230.00 | 0.00 | 176.87 | 184.53 |
| - STD. DEV. | 0.00 | 12.10 | 10.71 | 12.18 | 10.73 | 10.83 | 7.90 | 12.47 | 0.00 | 0.00 | 25.76 | 23.26 |
| WEIGHT - MEAN (gm) | 0.00 | 51.18 | 71.79 | 97.75 | 125.25 | 133.64 | 198.50 | 176.80 | 151.00 | 0.00 | 87.57 | 100.40 |
| - STD. DEV. | 0.00 | 12.87 | 17.08 | 23.37 | 19.32 | 21.95 | 24.80 | 26.45 | 0.00 | 0.00 | 39.66 | 39.30 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 2 | 0 | 5 | 91 | 164 | 25 | 0 | 0 | 13 |
| % AT STAGE | 0.67 | 0.00 | 1.67 | 30.33 | 54.67 | 8.33 | 0.00 | 0.00 | 4.33 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 34 | 98 | 0 | 132 |
| % | 25.76 | 74.24 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 2.95 | 23.25 | 0.00 | 26.21 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 155 | 132 | 13 | 300 |
| % | 51.67 | 44.00 | 4.33 | 100.00 |
| MEAN WEIGHT | 94.68 | 112.86 | 42.23 | 100.40 |
| % SAMP. WT. | 48.72 | 49.46 | 1.82 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 42 - BIG BAY

SAMPLE NUMBERS: 325

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 39 DATE: MAR 22/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 1 | 12 | 14 | 7 | 60 | 3 | 1 | 0 | 0 | 2 | 100 |
| % AT AGE | 0.00 | 1.02 | 12.24 | 14.29 | 7.14 | 61.22 | 3.06 | 1.02 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 173.00 | 176.33 | 197.36 | 208.86 | 209.17 | 209.67 | 232.00 | 0.00 | 0.00 | 208.00 | 203.41 |
| - STD. DEV. | 0.00 | 0.00 | 8.97 | 7.91 | 11.50 | 9.45 | 5.77 | 0.00 | 0.00 | 0.00 | 49.50 | 15.47 |
| WEIGHT - MEAN(gm) | 0.00 | 81.00 | 80.08 | 112.07 | 136.71 | 144.83 | 138.67 | 190.00 | 0.00 | 0.00 | 146.50 | 131.57 |
| - STD. DEV. | 0.00 | 0.00 | 14.61 | 14.84 | 26.09 | 19.81 | 7.51 | 0.00 | 0.00 | 0.00 | 98.29 | 31.25 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 8 | 86 | 6 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 8.00 | 86.00 | 6.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 7 | 45 | 0 | 52 |
| % | 13.46 | 86.54 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 3.24 | 25.06 | 0.00 | 28.30 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 48 | 52 | 0 | 100 |
| % | 48.00 | 52.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 122.23 | 140.19 | 0.00 | 131.57 |
| % SAMP. WT. | 44.59 | 55.41 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK

=====

SECTION: 44 - EDYE PASSAGE

SAMPLE NUMBERS: 340,306

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 40 DATE: APR 2/83

SPECIMENS AT EACH AGE:

=====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 7 | 14 | 25 | 86 | 37 | 8 | 2 | 1 | 20 | 200 |
| % AT AGE | 0.00 | 0.00 | 3.89 | 7.78 | 13.89 | 47.78 | 20.56 | 4.44 | 1.11 | 0.56 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 173.00 | 190.21 | 202.36 | 207.90 | 219.30 | 227.88 | 224.50 | 232.00 | 208.70 | 208.02 |
| - STD. DEV. | 0.00 | 0.00 | 7.28 | 9.92 | 10.54 | 10.28 | 13.36 | 9.57 | 10.61 | 0.00 | 14.30 | 15.39 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 76.00 | 98.71 | 121.80 | 137.57 | 155.00 | 168.88 | 164.00 | 181.00 | 130.15 | 134.94 |
| - STD. DEV. | 0.00 | 0.00 | 9.47 | 13.13 | 18.95 | 21.52 | 24.36 | 26.55 | 4.24 | 0.00 | 27.88 | 29.04 |

HJORT MATURITY STAGES:

=====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 2 | 70 | 97 | 31 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 1.00 | 35.00 | 48.50 | 15.50 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 124 | 1 | 0 | 125 |
| % | 99.20 | 0.80 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 12.26 | 0.33 | 0.00 | 12.58 |

SEX RATIO:

=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 75 | 125 | 0 | 200 |
| % | 37.50 | 62.50 | 0.00 | 100.00 |
| MEAN WEIGHT | 138.69 | 132.69 | 0.00 | 134.94 |
| % SAMP. WT. | 38.54 | 61.46 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 44 - EDYE PASSAGE

SAMPLE NUMBERS: 351,348

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 41 DATE: APR 3/83 - APR 4/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 14 | 25 | 11 | 86 | 33 | 4 | 2 | 1 | 23 | 199 |
| % AT AGE | 0.00 | 0.00 | 7.95 | 14.20 | 6.25 | 48.86 | 18.75 | 2.27 | 1.14 | 0.57 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 174.21 | 186.12 | 201.55 | 201.99 | 209.30 | 222.50 | 213.50 | 228.00 | 195.22 | 199.11 |
| - STD. DEV. | 0.00 | 0.00 | 9.33 | 13.97 | 9.20 | 12.05 | 11.75 | 13.20 | 27.58 | 0.00 | 18.55 | 16.39 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 80.21 | 105.48 | 128.73 | 131.10 | 150.00 | 167.50 | 176.00 | 222.00 | 121.17 | 127.80 |
| - STD. DEV. | 0.00 | 0.00 | 8.87 | 16.18 | 22.20 | 20.61 | 21.52 | 17.75 | 33.94 | 0.00 | 32.72 | 29.39 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 17 | 92 | 59 | 0 | 30 | 0 | 1 |
| % AT STAGE | 0.00 | 0.00 | 8.54 | 46.23 | 29.65 | 0.00 | 15.08 | 0.00 | 0.50 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 74 | 2 | 18 | 94 |
| % | 78.72 | 2.13 | 19.15 | 100.00 |
| % SAMPLE WEIGHT | 10.19 | 0.52 | 0.25 | 10.96 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 104 | 94 | 1 | 199 |
| % | 52.26 | 47.24 | 0.50 | 100.00 |
| MEAN WEIGHT | 132.53 | 122.38 | 145.00 | 127.80 |
| % SAMP. WT. | 54.20 | 45.23 | 0.57 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 52 - KITKATLA CHANNEL

SAMPLE NUMBERS: 375,419,332

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 17/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 4 | 87 | 57 | 27 | 94 | 4 | 2 | 0 | 0 | 25 | 300 |
| % AT AGE | 0.00 | 1.45 | 31.64 | 20.73 | 9.82 | 34.18 | 1.45 | 0.73 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 151.75 | 174.18 | 181.23 | 194.33 | 199.57 | 209.75 | 226.00 | 0.00 | 0.00 | 186.68 | 186.85 |
| - STD. DEV. | 0.00 | 9.60 | 9.27 | 11.20 | 13.53 | 9.97 | 11.67 | 15.56 | 0.00 | 0.00 | 17.72 | 16.30 |
| WEIGHT - MEAN(gm) | 0.00 | 51.75 | 78.39 | 91.40 | 112.52 | 125.76 | 142.50 | 182.00 | 0.00 | 0.00 | 103.44 | 102.05 |
| - STD. DEV. | 0.00 | 7.93 | 12.99 | 19.01 | 17.84 | 19.02 | 18.45 | 14.14 | 0.00 | 0.00 | 28.31 | 28.20 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|-------|-------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 2 | 8 | 49 | 132 | 64 | 10 | 35 | 0 | 0 |
| % AT STAGE | 0.67 | 2.67 | 16.33 | 44.00 | 21.33 | 3.33 | 11.67 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 128 | 19 | 12 | 159 |
| % | 80.50 | 11.95 | 7.55 | 100.00 |
| % SAMPLE WEIGHT | 13.50 | 3.08 | 0.14 | 16.73 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 141 | 159 | 0 | 300 |
| % | 47.00 | 53.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 97.10 | 106.45 | 0.00 | 102.05 |
| % SAMP. WT. | 44.72 | 55.28 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 52 - KITKATLA CHANNEL

SAMPLE NUMBERS: 339,309,356,312,407,326,321

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 39 DATE: MAR 24/83 - MAR 25/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 6 | 116 | 77 | 21 | 424 | 13 | 3 | 1 | 2 | 37 | 700 |
| % AT AGE | 0.00 | 0.90 | 17.50 | 11.61 | 3.17 | 63.95 | 1.96 | 0.45 | 0.15 | 0.30 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 163.83 | 179.53 | 192.21 | 203.19 | 206.14 | 217.38 | 222.33 | 220.00 | 239.00 | 196.49 | 199.63 |
| - STD. DEV. | 0.00 | 4.07 | 7.74 | 8.51 | 5.73 | 8.19 | 9.01 | 8.74 | 0.00 | 21.21 | 15.24 | 14.06 |
| WEIGHT - MEAN(gm) | 0.00 | 67.50 | 85.41 | 107.32 | 126.81 | 137.00 | 164.46 | 172.00 | 172.00 | 196.00 | 119.24 | 124.22 |
| - STD. DEV. | 0.00 | 7.20 | 11.81 | 14.40 | 13.40 | 18.96 | 22.49 | 16.46 | 0.00 | 84.85 | 31.66 | 28.41 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 1 | 62 | 589 | 47 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.14 | 8.86 | 84.14 | 6.71 | 0.14 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: ===== | | | | | | | | |
|---------------------------------|---------------------|--------|-------|--------|-------------|--------|----------|--------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL | |
| NO. | 38 | 282 | 0 | 320 | 380 | 320 | 0 | 700 | |
| % | 11.88 | 88.13 | 0.00 | 100.00 | 54.29 | 45.71 | 0.00 | 100.00 | |
| % SAMPLE WEIGHT | 2.85 | 26.19 | 0.00 | 29.04 | MEAN WEIGHT | 117.18 | 132.59 | 0.00 | 124.22 |
| | | | | | % SAMP. WT. | 51.21 | 48.79 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 52 - KITKATLA CHANNEL

SAMPLE NUMBERS: 329,336,364,373,347,376

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 40 DATE: MAR 28/83 - MAR 29/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 8 | 87 | 64 | 36 | 347 | 6 | 3 | 2 | 1 | 41 | 595 |
| % AT AGE | 0.00 | 1.44 | 15.70 | 11.55 | 6.50 | 62.64 | 1.08 | 0.54 | 0.36 | 0.18 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 155.88 | 176.22 | 191.63 | 202.94 | 202.27 | 215.00 | 204.00 | 235.50 | 250.00 | 202.39 | 197.07 |
| - STD. DEV. | 0.00 | 6.77 | 11.25 | 11.51 | 11.74 | 11.50 | 18.70 | 20.22 | 0.71 | 0.00 | 19.45 | 16.46 |
| WEIGHT - MEAN (gm) | 0.00 | 59.25 | 89.71 | 112.23 | 132.72 | 139.46 | 151.17 | 142.00 | 211.50 | 235.00 | 133.32 | 127.88 |
| - STD. DEV. | 0.00 | 11.22 | 16.92 | 19.54 | 17.93 | 22.27 | 33.71 | 34.60 | 79.90 | 0.00 | 32.48 | 30.35 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 49 | 502 | 42 | 2 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 8.24 | 84.37 | 7.06 | 0.34 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 8 | 283 | 1 | 292 |
| % | 2.74 | 96.92 | 0.34 | 100.00 |
| % SAMPLE WEIGHT | 0.60 | 28.48 | 0.01 | 29.09 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 303 | 292 | 0 | 595 |
| % | 50.92 | 49.08 | 0.00 | 100.00 |
| MEAN WEIGHT | 119.68 | 136.39 | 0.00 | 127.88 |
| % SAMP. WT. | 47.66 | 52.34 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 53 - ANGER ISLAND

SAMPLE NUMBERS: 354,330,417,308

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 42 DATE: APR 13/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 4 | 40 | 85 | 21 | 169 | 8 | 3 | 0 | 0 | 69 | 399 |
| % AT AGE | 0.00 | 1.21 | 12.12 | 25.76 | 6.36 | 51.21 | 2.42 | 0.91 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 167.25 | 179.48 | 192.38 | 196.81 | 204.56 | 212.25 | 226.33 | 0.00 | 0.00 | 196.23 | 197.54 |
| - STD. DEV. | 0.00 | 8.30 | 10.04 | 8.61 | 10.35 | 8.72 | 9.66 | 8.02 | 0.00 | 0.00 | 15.88 | 13.72 |
| WEIGHT - MEAN(gm) | 0.00 | 65.50 | 87.35 | 108.71 | 120.14 | 134.86 | 144.63 | 169.33 | 0.00 | 0.00 | 121.88 | 121.27 |
| - STD. DEV. | 0.00 | 13.08 | 15.63 | 16.92 | 19.32 | 23.01 | 20.26 | 14.57 | 0.00 | 0.00 | 32.90 | 28.44 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 3 | 361 | 35 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.75 | 90.48 | 8.77 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 2 | 203 | 0 | 205 |
| % | 0.98 | 99.02 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.20 | 27.94 | 0.00 | 28.14 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 194 | 205 | 0 | 399 |
| % | 48.62 | 51.38 | 0.00 | 100.00 |
| MEAN WEIGHT | 114.22 | 127.94 | 0.00 | 121.27 |
| % SAMP. WT. | 45.80 | 54.20 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 67 - KITASU BAY

SAMPLE NUMBERS: 72, 70

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 36 DATE: MAR 3/83 - MAR 4/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 12 | 31 | 17 | 69 | 3 | 7 | 2 | 0 | 9 | 150 |
| % AT AGE | 0.00 | 0.00 | 8.51 | 21.99 | 12.06 | 48.94 | 2.13 | 4.96 | 1.42 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 177.42 | 187.94 | 191.47 | 203.64 | 204.33 | 216.00 | 225.00 | 0.00 | 204.33 | 197.83 |
| - STD. DEV. | 0.00 | 0.00 | 11.16 | 12.27 | 9.77 | 12.55 | 10.69 | 10.05 | 14.14 | 0.00 | 19.03 | 15.84 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 85.92 | 100.45 | 118.88 | 132.07 | 144.00 | 157.86 | 202.50 | 0.00 | 137.11 | 123.03 |
| - STD. DEV. | 0.00 | 0.00 | 13.26 | 17.02 | 18.85 | 19.03 | 27.87 | 17.46 | 36.06 | 0.00 | 27.62 | 27.69 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 6 | 103 | 36 | 5 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 4.00 | 68.67 | 24.00 | 3.33 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 80 | 10 | 0 | 90 |
| % | 88.89 | 11.11 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 16.90 | 3.33 | 0.00 | 20.23 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 60 | 90 | 0 | 150 |
| % | 40.00 | 60.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 118.18 | 126.27 | 0.00 | 123.03 |
| % SAMP. WT. | 38.42 | 61.58 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 67 - KITASU BAY

SAMPLE NUMBERS: 82, 85, 83

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 8/83 - MAR 10/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 6 | 35 | 38 | 186 | 14 | 6 | 5 | 0 | 10 | 300 |
| % AT AGE | 0.00 | 0.00 | 2.07 | 12.07 | 13.10 | 64.14 | 4.83 | 2.07 | 1.72 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 181.17 | 196.43 | 204.29 | 208.98 | 212.93 | 222.17 | 233.80 | 0.00 | 199.30 | 206.90 |
| - STD. DEV. | 0.00 | 0.00 | 5.27 | 7.61 | 8.82 | 8.64 | 10.97 | 17.63 | 17.88 | 0.00 | 14.19 | 11.56 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 86.33 | 109.46 | 124.66 | 135.40 | 145.21 | 163.67 | 176.60 | 0.00 | 111.70 | 130.95 |
| - STD. DEV. | 0.00 | 0.00 | 6.38 | 13.87 | 17.03 | 19.86 | 24.99 | 36.89 | 48.34 | 0.00 | 23.28 | 24.28 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 6 | 105 | 128 | 61 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 2.00 | 35.00 | 42.67 | 20.33 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 74 | 78 | 0 | 152 |
| % | 48.68 | 51.32 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 10.11 | 15.09 | 0.00 | 25.20 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 148 | 152 | 0 | 300 |
| % | 49.33 | 50.67 | 0.00 | 100.00 |
| MEAN WEIGHT | 124.82 | 136.93 | 0.00 | 130.95 |
| % SAMP. WT. | 47.02 | 52.98 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 67 - KITASU BAY

SAMPLE NUMBERS: 290,276,111,110

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 13/83 - MAR 17/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 3 | 6 | 45 | 31 | 272 | 16 | 7 | 3 | 2 | 13 | 398 |
| % AT AGE | 0.00 | 0.78 | 1.56 | 11.69 | 8.05 | 70.65 | 4.16 | 1.82 | 0.78 | 0.52 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 159.33 | 187.17 | 194.87 | 201.87 | 205.69 | 213.25 | 222.14 | 232.33 | 230.50 | 210.62 | 204.62 |
| - STD. DEV. | 0.00 | 13.05 | 7.08 | 7.41 | 9.22 | 9.43 | 12.48 | 11.61 | 7.51 | 2.12 | 12.51 | 11.78 |
| WEIGHT - MEAN(gm) | 0.00 | 62.00 | 111.50 | 115.76 | 129.10 | 138.17 | 156.25 | 166.86 | 189.00 | 187.00 | 150.62 | 136.22 |
| - STD. DEV. | 0.00 | 16.46 | 9.12 | 13.99 | 19.19 | 21.24 | 23.67 | 20.46 | 19.05 | 38.18 | 25.68 | 24.31 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 21 | 242 | 133 | 2 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 5.28 | 60.80 | 33.42 | 0.50 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 21 | 177 | 0 | 198 |
| % | 10.61 | 89.39 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 2.37 | 24.32 | 0.00 | 26.70 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 200 | 198 | 0 | 398 |
| % | 50.25 | 49.75 | 0.00 | 100.00 |
| MEAN WEIGHT | 128.71 | 143.80 | 0.00 | 136.22 |
| % SAMP. WT. | 47.48 | 52.52 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 67 - KITASU BAY

SAMPLE NUMBERS: 428,420

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 42 DATE: APR 12/83 - APR 13/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 3 | 32 | 28 | 9 | 59 | 12 | 8 | 0 | 0 | 48 | 199 |
| % AT AGE | 0.00 | 1.99 | 21.19 | 18.54 | 5.96 | 39.07 | 7.95 | 5.30 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 157.33 | 178.91 | 179.57 | 190.00 | 194.44 | 195.42 | 202.50 | 0.00 | 0.00 | 183.58 | 186.85 |
| - STD. DEV. | 0.00 | 13.32 | 8.16 | 9.78 | 12.21 | 11.44 | 11.02 | 15.46 | 0.00 | 0.00 | 12.37 | 13.66 |
| WEIGHT - MEAN(gm) | 0.00 | 60.33 | 91.16 | 99.43 | 113.33 | 126.07 | 140.08 | 142.63 | 0.00 | 0.00 | 100.94 | 110.59 |
| - STD. DEV. | 0.00 | 3.06 | 14.21 | 15.72 | 19.22 | 27.18 | 17.23 | 28.21 | 0.00 | 0.00 | 24.32 | 28.06 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 11 | 174 | 11 | 2 | 0 | 1 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 5.53 | 87.44 | 5.53 | 1.01 | 0.00 | 0.50 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 8 | 112 | 0 | 120 |
| % | 6.67 | 93.33 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 1.38 | 26.95 | 0.00 | 28.33 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 78 | 120 | 1 | 199 |
| % | 39.20 | 60.30 | 0.50 | 100.00 |
| MEAN WEIGHT | 101.49 | 116.53 | 108.00 | 110.59 |
| % SAMP. WT. | 35.97 | 63.54 | 0.49 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 71 - OTHER AREA 7

SAMPLE NUMBERS: 258,277

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 39 DATE: MAR 20/83 - MAR 22/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 18 | 86 | 13 | 45 | 5 | 1 | 2 | 0 | 28 | 198 |
| % AT AGE | 0.00 | 0.00 | 10.59 | 50.59 | 7.65 | 26.47 | 2.94 | 0.59 | 1.18 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 173.22 | 179.66 | 191.15 | 195.76 | 188.20 | 213.00 | 207.50 | 0.00 | 183.04 | 184.63 |
| - STD. DEV. | 0.00 | 0.00 | 11.09 | 13.92 | 16.28 | 13.96 | 14.18 | 0.00 | 10.61 | 0.00 | 20.14 | 16.67 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 71.50 | 81.13 | 97.46 | 113.27 | 93.60 | 153.00 | 130.00 | 0.00 | 84.36 | 90.26 |
| - STD. DEV. | 0.00 | 0.00 | 16.76 | 25.52 | 35.33 | 30.74 | 37.60 | 0.00 | 43.84 | 0.00 | 32.31 | 31.75 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 11 | 103 | 14 | 44 | 0 | 26 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 5.56 | 52.02 | 7.07 | 22.22 | 0.00 | 13.13 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 11 | 61 | 22 | 94 |
| % | 11.70 | 64.89 | 23.40 | 100.00 |
| % SAMPLE WEIGHT | 1.10 | 21.09 | 0.47 | 22.65 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 78 | 94 | 26 | 198 |
| % | 39.39 | 47.47 | 13.13 | 100.00 |
| MEAN WEIGHT | 87.94 | 100.35 | 60.73 | 90.26 |
| % SAMP. WT. | 38.38 | 52.78 | 8.84 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 72 - POWELL ANCHORAGE

SAMPLE NUMBERS: 63

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 36 DATE: MAR 2/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 1 | 7 | 18 | 12 | 40 | 2 | 1 | 0 | 0 | 5 | 86 |
| % AT AGE | 0.00 | 1.23 | 8.64 | 22.22 | 14.81 | 49.38 | 2.47 | 1.23 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 173.00 | 181.43 | 197.94 | 210.33 | 211.10 | 210.00 | 223.00 | 0.00 | 0.00 | 203.80 | 205.07 |
| - STD. DEV. | 0.00 | 0.00 | 9.57 | 7.85 | 6.24 | 11.88 | 1.41 | 0.00 | 0.00 | 0.00 | 19.42 | 14.17 |
| WEIGHT - MEAN(gm) | 0.00 | 87.00 | 83.29 | 113.78 | 140.08 | 144.40 | 153.50 | 152.00 | 0.00 | 0.00 | 132.60 | 131.36 |
| - STD. DEV. | 0.00 | 0.00 | 13.92 | 17.39 | 18.91 | 23.36 | 4.95 | 0.00 | 0.00 | 0.00 | 36.10 | 28.62 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 79 | 7 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 91.86 | 8.14 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 42 | 0 | 0 | 42 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 25.50 | 0.00 | 0.00 | 25.50 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 44 | 42 | 0 | 86 |
| % | 51.16 | 48.84 | 0.00 | 100.00 |
| MEAN WEIGHT | 121.55 | 141.64 | 0.00 | 131.36 |
| % SAMP. WT. | 47.34 | 52.66 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 72 - POWELL ANCHORAGE

SAMPLE NUMBERS: 169

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 10/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 0 | 11 | 17 | 15 | 40 | 6 | 2 | 0 | 0 | 9 | 100 |
| % AT AGE | 0.00 | 0.00 | 12.09 | 18.68 | 16.48 | 43.96 | 6.59 | 2.20 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 180.64 | 187.35 | 198.40 | 209.95 | 212.33 | 212.00 | 0.00 | 0.00 | 198.11 | 200.27 |
| - STD. DEV. | 0.00 | 0.00 | 8.63 | 7.46 | 13.20 | 10.77 | 9.58 | 7.07 | 0.00 | 0.00 | 9.40 | 14.87 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 85.82 | 102.71 | 123.80 | 144.75 | 151.00 | 140.50 | 0.00 | 0.00 | 118.00 | 125.86 |
| - STD. DEV. | 0.00 | 0.00 | 13.42 | 11.95 | 20.64 | 22.18 | 21.68 | 24.75 | 0.00 | 0.00 | 26.05 | 29.04 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 54 | 38 | 8 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 54.00 | 38.00 | 8.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 52 | 13 | 0 | 65 |
| % | 80.00 | 20.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 20.58 | 6.36 | 0.00 | 26.94 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 35 | 65 | 0 | 100 |
| % | 35.00 | 65.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 120.66 | 128.66 | 0.00 | 125.86 |
| % SAMP. WT. | 33.55 | 66.45 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 72 - POWELL ANCHORAGE

SAMPLE NUMBERS: 246,257

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 19/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 10 | 32 | 18 | 113 | 9 | 10 | 1 | 0 | 7 | 200 |
| % AT AGE | 0.00 | 0.00 | 5.18 | 16.58 | 9.33 | 58.55 | 4.66 | 5.18 | 0.52 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 184.70 | 198.53 | 206.00 | 211.58 | 214.56 | 221.50 | 254.00 | 0.00 | 213.00 | 208.54 |
| - STD. DEV. | 0.00 | 0.00 | 9.23 | 8.44 | 4.85 | 8.52 | 8.53 | 7.69 | 0.00 | 0.00 | 6.43 | 11.68 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 91.90 | 126.00 | 136.22 | 149.01 | 152.78 | 176.90 | 289.00 | 0.00 | 157.14 | 143.87 |
| - STD. DEV. | 0.00 | 0.00 | 17.55 | 17.99 | 15.98 | 20.15 | 21.75 | 21.30 | 0.00 | 0.00 | 13.85 | 27.16 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 10 | 179 | 11 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 5.00 | 89.50 | 5.50 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 3 | 103 | 0 | 106 |
| % | 2.83 | 97.17 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.37 | 29.19 | 0.00 | 29.56 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 94 | 106 | 0 | 200 |
| % | 47.00 | 53.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 133.86 | 152.75 | 0.00 | 143.87 |
| % SAMP. WT. | 43.73 | 56.27 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 74 - THOMPSON BAY

SAMPLE NUMBERS: 65, 67, 267, 87, 64, 68, 62, 66

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 36 DATE: MAR 1/83 - MAR 5/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 8 | 70 | 77 | 77 | 364 | 48 | 25 | 5 | 1 | 36 | 711 |
| % AT AGE | 0.00 | 1.19 | 10.37 | 11.41 | 11.41 | 53.93 | 7.11 | 3.70 | 0.74 | 0.15 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 158.50 | 177.86 | 194.94 | 202.91 | 210.92 | 210.79 | 218.00 | 226.80 | 260.00 | 198.53 | 204.27 |
| - STD. DEV. | 0.00 | 9.89 | 12.81 | 10.60 | 9.08 | 9.15 | 8.66 | 9.58 | 4.87 | 0.00 | 19.62 | 15.87 |
| WEIGHT - MEAN(gm) | 0.00 | 58.00 | 86.77 | 115.12 | 129.00 | 144.64 | 147.56 | 161.28 | 177.60 | 246.00 | 126.92 | 133.33 |
| - STD. DEV. | 0.00 | 10.98 | 18.38 | 17.29 | 16.04 | 17.28 | 18.47 | 16.61 | 14.48 | 0.00 | 32.15 | 28.04 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 0 | 3 | 424 | 258 | 25 | 0 | 0 | 0 |
| % AT STAGE | 0.14 | 0.00 | 0.42 | 59.63 | 36.29 | 3.52 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 324 | 66 | 0 | 390 |
| % | 83.08 | 16.92 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 19.31 | 5.79 | 0.00 | 25.10 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 320 | 390 | 1 | 711 |
| % | 45.01 | 54.85 | 0.14 | 100.00 |
| MEAN WEIGHT | 126.07 | 139.54 | 38.00 | 133.33 |
| % SAMP. WT. | 42.55 | 57.41 | 0.04 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 74 - THOMPSON BAY

SAMPLE NUMBERS: 141, 93, 86, 137, 162, 112, 234, 239, 298, 142,
 140, 129

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 6/83 - MAR 12/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 5 | 73 | 144 | 122 | 676 | 62 | 31 | 6 | 2 | 67 | 1188 |
| % AT AGE | 0.00 | 0.45 | 6.51 | 12.85 | 10.88 | 60.30 | 5.53 | 2.77 | 0.54 | 0.18 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 168.60 | 184.96 | 195.47 | 203.71 | 209.86 | 213.29 | 216.06 | 222.33 | 235.00 | 204.40 | 205.92 |
| - STD. DEV. | 0.00 | 8.62 | 8.48 | 8.91 | 8.64 | 8.88 | 10.63 | 10.17 | 8.78 | 26.87 | 12.76 | 12.20 |
| WEIGHT - MEAN(gm) | 0.00 | 66.80 | 93.19 | 112.99 | 128.43 | 141.98 | 149.42 | 147.68 | 160.83 | 168.50 | 130.97 | 133.82 |
| - STD. DEV. | 0.00 | 9.50 | 14.96 | 17.39 | 17.69 | 18.17 | 19.71 | 23.80 | 25.48 | 37.48 | 26.55 | 24.19 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 5 | 487 | 558 | 137 | 0 | 0 | 1 |
| % AT STAGE | 0.00 | 0.00 | 0.42 | 40.99 | 46.97 | 11.53 | 0.00 | 0.00 | 0.08 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 424 | 196 | 0 | 620 |
| % | 68.39 | 31.61 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 17.08 | 9.49 | 0.00 | 26.57 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 566 | 620 | 2 | 1188 |
| % | 47.64 | 52.19 | 0.17 | 100.00 |
| MEAN WEIGHT | 126.58 | 140.31 | 167.00 | 133.82 |
| % SAMP. WT. | 45.07 | 54.72 | 0.21 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 74 - THOMPSON BAY

SAMPLE NUMBERS: 342,334,113,135,423,385,413,415,283,349,
 302,288,273,400,223,203,230,130,425,286,
 156,160

SOURCE: ROE FISHERY
 PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 13/83 - MAR 18/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 9 | 125 | 291 | 225 | 1170 | 93 | 63 | 13 | 9 | 192 | 2190 |
| % AT AGE | 0.00 | 0.45 | 6.26 | 14.56 | 11.26 | 58.56 | 4.65 | 3.15 | 0.65 | 0.45 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 156.00 | 181.90 | 194.12 | 201.24 | 206.93 | 208.44 | 215.97 | 221.54 | 227.00 | 201.80 | 203.05 |
| - STD. DEV. | 0.00 | 11.82 | 9.97 | 9.69 | 10.79 | 10.23 | 11.74 | 12.93 | 16.89 | 10.65 | 13.40 | 13.37 |
| WEIGHT - MEAN(gm) | 0.00 | 58.89 | 95.56 | 118.87 | 133.60 | 146.19 | 154.12 | 159.78 | 171.15 | 185.00 | 138.94 | 138.42 |
| - STD. DEV. | 0.00 | 9.83 | 15.98 | 18.40 | 20.56 | 19.31 | 20.58 | 23.95 | 30.02 | 20.22 | 25.97 | 25.63 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 1 | 3 | 211 | 1697 | 277 | 0 | 0 | 1 |
| % AT STAGE | 0.00 | 0.05 | 0.14 | 9.63 | 77.49 | 12.65 | 0.00 | 0.00 | 0.05 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 188 | 1024 | 0 | 1212 |
| % | 15.51 | 84.49 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 3.78 | 26.09 | 0.00 | 29.87 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 978 | 1212 | 0 | 2190 |
| % | 44.66 | 55.34 | 0.00 | 100.00 |
| MEAN WEIGHT | 131.02 | 144.38 | 0.00 | 138.42 |
| % SAMP. WT. | 42.27 | 57.73 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 85 - KWAKSHUA CHANNEL

SAMPLE NUMBERS: 202

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 6/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 11 | 33 | 8 | 31 | 3 | 7 | 3 | 0 | 4 | 100 |
| % AT AGE | 0.00 | 0.00 | 11.46 | 34.38 | 8.33 | 32.29 | 3.13 | 7.29 | 3.13 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 179.09 | 189.09 | 198.13 | 201.19 | 202.67 | 206.57 | 220.00 | 0.00 | 182.25 | 194.75 |
| - STD. DEV. | 0.00 | 0.00 | 8.54 | 8.69 | 8.72 | 8.79 | 4.04 | 12.05 | 8.54 | 0.00 | 9.84 | 12.78 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 77.91 | 95.12 | 107.00 | 116.03 | 111.67 | 126.71 | 141.33 | 0.00 | 83.75 | 104.30 |
| - STD. DEV. | 0.00 | 0.00 | 13.03 | 14.38 | 14.42 | 19.30 | 4.51 | 22.54 | 20.98 | 0.00 | 14.91 | 22.44 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 1 | 58 | 37 | 1 | 3 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 1.00 | 58.00 | 37.00 | 1.00 | 3.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 45 | 1 | 1 | 47 |
| % | 95.74 | 2.13 | 2.13 | 100.00 |
| % SAMPLE WEIGHT | 21.61 | 0.44 | 0.10 | 22.15 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 53 | 47 | 0 | 100 |
| % | 53.00 | 47.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 97.89 | 111.53 | 0.00 | 104.30 |
| % SAMP. WT. | 49.74 | 50.26 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 123 - CRACROFT ISLAND

SAMPLE NUMBERS: 236

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 17/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 0 | 16 | 9 | 8 | 35 | 7 | 14 | 6 | 0 | 5 | 100 |
| % AT AGE | 0.00 | 0.00 | 16.84 | 9.47 | 8.42 | 36.84 | 7.37 | 14.74 | 6.32 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 174.25 | 179.78 | 192.13 | 207.97 | 218.00 | 224.14 | 225.67 | 0.00 | 204.60 | 202.63 |
| - STD. DEV. | 0.00 | 0.00 | 8.79 | 12.41 | 10.79 | 11.55 | 13.59 | 11.56 | 8.24 | 0.00 | 15.37 | 20.76 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 89.06 | 108.00 | 124.38 | 156.34 | 173.43 | 185.86 | 186.50 | 0.00 | 137.80 | 144.88 |
| - STD. DEV. | 0.00 | 0.00 | 15.16 | 13.59 | 23.42 | 25.72 | 41.34 | 25.15 | 17.07 | 0.00 | 29.52 | 40.77 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 4 | 42 | 51 | 2 | 0 | 0 | 1 |
| % AT STAGE | 0.00 | 0.00 | 4.00 | 42.00 | 51.00 | 2.00 | 0.00 | 0.00 | 1.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 39 | 9 | 0 | 48 |
| % | 81.25 | 18.75 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 18.44 | 4.55 | 0.00 | 22.99 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 51 | 48 | 1 | 100 |
| % | 51.00 | 48.00 | 1.00 | 100.00 |
| MEAN WEIGHT | 137.53 | 152.96 | 132.00 | 144.88 |
| % SAMP. WT. | 48.41 | 50.68 | 0.91 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK

=====

SECTION: 127 - KNIGHT INLET

SAMPLE NUMBERS: 231

SOURCE: OTHER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 14/83

SPECIMENS AT EACH AGE:

=====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 11 | 13 | 4 | 53 | 5 | 3 | 0 | 0 | 8 | 97 |
| % AT AGE | 0.00 | 0.00 | 12.36 | 14.61 | 4.49 | 59.55 | 5.62 | 3.37 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 158.00 | 168.54 | 161.00 | 179.98 | 187.20 | 184.33 | 0.00 | 0.00 | 176.75 | 175.41 |
| - STD. DEV. | 0.00 | 0.00 | 8.46 | 11.81 | 6.22 | 8.82 | 16.04 | 2.52 | 0.00 | 0.00 | 11.13 | 12.62 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 59.91 | 72.46 | 63.75 | 86.55 | 105.60 | 88.33 | 0.00 | 0.00 | 80.63 | 81.25 |
| - STD. DEV. | 0.00 | 0.00 | 10.56 | 20.66 | 9.54 | 15.63 | 38.58 | 10.02 | 0.00 | 0.00 | 14.69 | 20.08 |

HJORT MATURITY STAGES:

=====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 13 | 33 | 9 | 42 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 13.40 | 34.02 | 9.28 | 43.30 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 2 | 19 | 23 | 44 |
| % | 4.55 | 43.18 | 52.27 | 100.00 |
| % SAMPLE WEIGHT | 1.13 | 11.77 | 1.16 | 14.06 |

SEX RATIO:

=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 53 | 44 | 0 | 97 |
| % | 54.64 | 45.36 | 0.00 | 100.00 |
| MEAN WEIGHT | 75.43 | 88.25 | 0.00 | 81.25 |
| % SAMP. WT. | 50.73 | 49.27 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 131 - OTHER AREA 13 STRAIT

SAMPLE NUMBERS: 14, 2

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 20 DATE: NOV 11/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 38 | 89 | 20 | 11 | 11 | 2 | 0 | 0 | 0 | 26 | 197 |
| % AT AGE | 0.00 | 22.22 | 52.05 | 11.70 | 6.43 | 6.43 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 148.18 | 172.46 | 188.40 | 192.45 | 201.55 | 202.00 | 0.00 | 0.00 | 0.00 | 182.62 | 173.78 |
| - STD. DEV. | 0.00 | 8.04 | 9.77 | 9.93 | 11.30 | 8.70 | 2.83 | 0.00 | 0.00 | 0.00 | 22.05 | 19.18 |
| WEIGHT - MEAN(gm) | 0.00 | 48.39 | 80.90 | 109.10 | 115.36 | 134.18 | 148.50 | 0.00 | 0.00 | 0.00 | 101.62 | 85.81 |
| - STD. DEV. | 0.00 | 8.72 | 13.41 | 18.04 | 16.32 | 18.52 | 12.02 | 0.00 | 0.00 | 0.00 | 36.95 | 30.39 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|-------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 10 | 31 | 122 | 34 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 5.08 | 15.74 | 61.93 | 17.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 105 | 0 | 0 | 105 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 92 | 105 | 0 | 197 |
| % | 46.70 | 53.30 | 0.00 | 100.00 |
| MEAN WEIGHT | 84.95 | 86.57 | 0.00 | 85.81 |
| % SAMP. WT. | 46.23 | 53.77 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 131 - OTHER AREA 13 STRAIT

SAMPLE NUMBERS: 5

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 21 DATE: NOV 16/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 22 | 47 | 10 | 5 | 3 | 2 | 1 | 0 | 0 | 6 | 96 |
| % AT AGE | 0.00 | 24.44 | 52.22 | 11.11 | 5.56 | 3.33 | 2.22 | 1.11 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 146.59 | 173.06 | 189.60 | 204.20 | 214.00 | 214.00 | 214.00 | 0.00 | 0.00 | 164.00 | 172.33 |
| - STD. DEV. | 0.00 | 8.72 | 9.16 | 6.24 | 7.60 | 34.87 | 12.73 | 0.00 | 0.00 | 0.00 | 26.94 | 21.95 |
| WEIGHT - MEAN (gm) | 0.00 | 45.09 | 79.68 | 107.40 | 140.80 | 127.67 | 143.50 | 155.00 | 0.00 | 0.00 | 91.50 | 82.18 |
| - STD. DEV. | 0.00 | 8.39 | 12.70 | 12.51 | 17.46 | 24.79 | 13.44 | 0.00 | 0.00 | 0.00 | 38.74 | 31.47 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|-------|-------|------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 28 | 65 | 3 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 29.17 | 67.71 | 3.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 60 | 0 | 0 | 60 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 36 | 60 | 0 | 96 |
| % | 37.50 | 62.50 | 0.00 | 100.00 |
| MEAN WEIGHT | 93.22 | 75.55 | 0.00 | 82.18 |
| % SAMP. WT. | 42.54 | 57.46 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 131 - OTHER AREA 13 STRAIT

SAMPLE NUMBERS: 57, 59

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 22 DATE: NOV 23/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 8 | 108 | 35 | 7 | 13 | 2 | 0 | 0 | 0 | 24 | 197 |
| % AT AGE | 0.00 | 4.62 | 62.43 | 20.23 | 4.05 | 7.51 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 155.13 | 173.69 | 190.34 | 194.00 | 196.77 | 198.50 | 0.00 | 0.00 | 0.00 | 180.21 | 179.19 |
| - STD. DEV. | 0.00 | 4.29 | 7.75 | 9.90 | 10.77 | 9.99 | 4.95 | 0.00 | 0.00 | 0.00 | 16.33 | 13.65 |
| WEIGHT - MEAN(gm) | 0.00 | 59.63 | 88.31 | 114.40 | 125.14 | 135.62 | 134.00 | 0.00 | 0.00 | 0.00 | 101.46 | 98.28 |
| - STD. DEV. | 0.00 | 7.69 | 11.86 | 20.28 | 23.73 | 20.20 | 0.00 | 0.00 | 0.00 | 0.00 | 29.87 | 24.33 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 10 | 118 | 69 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 5.08 | 59.90 | 35.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 104 | 0 | 0 | 104 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 93 | 104 | 0 | 197 |
| % | 47.21 | 52.79 | 0.00 | 100.00 |
| MEAN WEIGHT | 97.48 | 98.99 | 0.00 | 98.28 |
| % SAMP. WT. | 46.83 | 53.17 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 132 - KANISH BAY

SAMPLE NUMBERS: 11, 30

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 20 DATE: NOV 10/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 36 | 86 | 35 | 11 | 3 | 1 | 1 | 0 | 0 | 25 | 198 |
| % AT AGE | 0.00 | 20.81 | 49.71 | 20.23 | 6.36 | 1.73 | 0.58 | 0.58 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 157.03 | 170.41 | 174.49 | 189.00 | 200.33 | 156.00 | 210.00 | 0.00 | 0.00 | 178.48 | 171.33 |
| - STD. DEV. | 0.00 | 12.44 | 14.29 | 18.18 | 21.73 | 17.93 | 0.00 | 0.00 | 0.00 | 0.00 | 20.31 | 18.31 |
| WEIGHT - MEAN(gm) | 0.00 | 59.89 | 78.63 | 87.60 | 112.18 | 132.33 | 65.00 | 160.00 | 0.00 | 0.00 | 96.32 | 82.06 |
| - STD. DEV. | 0.00 | 16.34 | 19.42 | 27.79 | 35.26 | 32.81 | 0.00 | 0.00 | 0.00 | 0.00 | 34.67 | 28.49 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|-------|-------|------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 5 | 52 | 122 | 16 | 2 | 0 | 0 | 0 | 1 |
| % AT STAGE | 2.53 | 26.26 | 61.62 | 8.08 | 1.01 | 0.00 | 0.00 | 0.00 | 0.51 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 111 | 0 | 1 | 112 |
| % | 99.11 | 0.00 | 0.89 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 86 | 112 | 0 | 198 |
| % | 43.43 | 56.57 | 0.00 | 100.00 |
| MEAN WEIGHT | 82.15 | 81.99 | 0.00 | 82.06 |
| % SAMP. WT. | 43.48 | 56.52 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 132 - KANISH BAY

SAMPLE NUMBERS: 10, 1, 7, 8

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 21 DATE: NOV 15/82 - NOV 18/82

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 101 | 162 | 43 | 24 | 8 | 0 | 3 | 0 | 0 | 51 | 392 |
| % AT AGE | 0.00 | 29.62 | 47.51 | 12.61 | 7.04 | 2.35 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 148.99 | 174.60 | 186.35 | 199.46 | 209.50 | 0.00 | 210.67 | 0.00 | 0.00 | 172.43 | 171.52 |
| - STD. DEV. | 0.00 | 9.01 | 8.93 | 9.00 | 11.30 | 15.64 | 0.00 | 3.06 | 0.00 | 0.00 | 23.39 | 19.82 |
| WEIGHT - MEAN(gm) | 0.00 | 47.20 | 81.75 | 101.88 | 128.79 | 152.00 | 0.00 | 147.67 | 0.00 | 0.00 | 85.25 | 80.33 |
| - STD. DEV. | 0.00 | 8.47 | 12.98 | 15.80 | 23.52 | 29.82 | 0.00 | 15.01 | 0.00 | 0.00 | 33.03 | 30.44 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|-------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 24 | 73 | 246 | 49 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 6.12 | 18.62 | 62.76 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 183 | 0 | 0 | 183 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 208 | 183 | 1 | 392 |
| % | 53.06 | 46.68 | 0.26 | 100.00 |
| MEAN WEIGHT | 78.49 | 82.66 | 36.00 | 80.33 |
| % SAMP. WT. | 51.85 | 48.04 | 0.11 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 132 - KANISH BAY

SAMPLE NUMBERS: 85, 86, 62

SOURCE: FOOD FISHERY
 RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 22 DATE: NOV 22/82 - NOV 23/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 49 | 117 | 39 | 29 | 14 | 3 | 2 | 1 | 0 | 43 | 297 |
| % AT AGE | 0.00 | 19.29 | 46.06 | 15.35 | 11.42 | 5.51 | 1.18 | 0.79 | 0.39 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 148.59 | 174.08 | 184.67 | 195.38 | 200.29 | 203.67 | 203.50 | 218.00 | 0.00 | 185.30 | 176.85 |
| - STD. DEV. | 0.00 | 12.11 | 12.18 | 14.51 | 13.92 | 12.42 | 2.89 | 4.95 | 0.00 | 0.00 | 21.08 | 20.69 |
| WEIGHT - MEAN(gm) | 0.00 | 48.78 | 83.74 | 102.95 | 123.66 | 132.29 | 141.33 | 151.00 | 180.00 | 0.00 | 109.21 | 91.72 |
| - STD. DEV. | 0.00 | 13.87 | 17.63 | 27.12 | 30.90 | 25.65 | 6.11 | 9.90 | 0.00 | 0.00 | 35.38 | 34.48 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|-------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 1 | 49 | 175 | 72 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.34 | 16.50 | 58.92 | 24.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 138 | 0 | 0 | 138 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 159 | 138 | 0 | 297 |
| % | 53.54 | 46.46 | 0.00 | 100.00 |
| MEAN WEIGHT | 90.13 | 93.57 | 0.00 | 91.72 |
| % SAMP. WT. | 52.60 | 47.40 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 132 - KANISH BAY

SAMPLE NUMBERS: 14

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 35 DATE: FEB 26/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|------|------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 2 | 57 | 13 | 10 | 7 | 0 | 0 | 1 | 0 | 10 | 100 |
| % AT AGE | 0.00 | 2.22 | 63.33 | 14.44 | 11.11 | 7.78 | 0.00 | 0.00 | 1.11 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 170.00 | 183.23 | 192.77 | 206.00 | 216.57 | 0.00 | 0.00 | 233.00 | 0.00 | 192.70 | 190.26 |
| - STD. DEV. | 0.00 | 0.00 | 7.26 | 10.32 | 5.35 | 11.27 | 0.00 | 0.00 | 0.00 | 0.00 | 11.14 | 13.96 |
| WEIGHT - MEAN(gm) | 0.00 | 57.50 | 76.98 | 95.77 | 112.80 | 136.57 | 0.00 | 0.00 | 180.00 | 0.00 | 88.30 | 88.95 |
| - STD. DEV. | 0.00 | 2.12 | 10.85 | 19.08 | 13.82 | 25.88 | 0.00 | 0.00 | 0.00 | 0.00 | 16.85 | 24.59 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 4 | 3 | 80 | 13 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 4.00 | 3.00 | 80.00 | 13.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 45 | 0 | 0 | 45 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 11.99 | 0.00 | 0.00 | 11.99 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 55 | 45 | 0 | 100 |
| % | 55.00 | 45.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 85.78 | 92.82 | 0.00 | 88.95 |
| % SAMP. WT. | 53.04 | 46.96 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 132 - KANISH BAY

SAMPLE NUMBERS: 131

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 18/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|------|------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 3 | 57 | 15 | 5 | 8 | 0 | 0 | 0 | 0 | 10 | 98 |
| % AT AGE | 0.00 | 3.41 | 64.77 | 17.05 | 5.68 | 9.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 155.33 | 175.32 | 187.07 | 193.60 | 199.13 | 0.00 | 0.00 | 0.00 | 0.00 | 184.00 | 180.27 |
| - STD. DEV. | 0.00 | 4.16 | 7.26 | 8.21 | 9.96 | 11.19 | 0.00 | 0.00 | 0.00 | 0.00 | 10.46 | 12.02 |
| WEIGHT - MEAN(gm) | 0.00 | 49.67 | 74.88 | 89.07 | 103.00 | 107.25 | 0.00 | 0.00 | 0.00 | 0.00 | 85.70 | 81.46 |
| - STD. DEV. | 0.00 | 2.31 | 9.01 | 13.18 | 10.86 | 14.37 | 0.00 | 0.00 | 0.00 | 0.00 | 12.94 | 15.93 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 1 | 0 | 51 | 15 | 0 | 30 | 0 | 0 |
| % AT STAGE | 1.02 | 1.02 | 0.00 | 52.04 | 15.31 | 0.00 | 30.61 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 35 | 4 | 8 | 47 |
| % | 74.47 | 8.51 | 17.02 | 100.00 |
| % SAMPLE WEIGHT | 12.23 | 2.42 | 0.34 | 14.99 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 51 | 47 | 0 | 98 |
| % | 52.04 | 47.96 | 0.00 | 100.00 |
| MEAN WEIGHT | 81.20 | 81.74 | 0.00 | 81.46 |
| % SAMP. WT. | 51.87 | 48.13 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 136 - OTHER AREA 13 GULF

SAMPLE NUMBERS: 39, 41, 35

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 36 DATE: FEB 28/83 - MAR 1/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 1 | 154 | 61 | 32 | 17 | 5 | 1 | 0 | 1 | 27 | 299 |
| % AT AGE | 0.00 | 0.37 | 56.62 | 22.43 | 11.76 | 6.25 | 1.84 | 0.37 | 0.00 | 0.37 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 166.00 | 176.18 | 187.85 | 198.47 | 206.88 | 202.40 | 212.00 | 0.00 | 226.00 | 179.11 | 183.65 |
| - STD. DEV. | 0.00 | 0.00 | 8.73 | 10.60 | 9.92 | 11.08 | 8.50 | 0.00 | 0.00 | 0.00 | 15.78 | 14.34 |
| WEIGHT - MEAN (gm) | 0.00 | 61.00 | 77.61 | 96.62 | 115.22 | 127.00 | 124.80 | 123.00 | 0.00 | 165.00 | 85.52 | 90.21 |
| - STD. DEV. | 0.00 | 0.00 | 10.66 | 14.26 | 21.16 | 19.49 | 14.27 | 0.00 | 0.00 | 0.00 | 20.66 | 22.10 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 2 | 1 | 0 | 261 | 31 | 4 | 0 | 0 | 0 |
| % AT STAGE | 0.67 | 0.33 | 0.00 | 87.29 | 10.37 | 1.34 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | | | | | SEX RATIO: ===== | | | | |
|---------------------------------|----------|--------|-------|--------|---------------------|-------|--------|----------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 145 | 11 | 0 | 156 | NO. | 142 | 156 | 0 | 298 |
| % | 92.95 | 7.05 | 0.00 | 100.00 | % | 47.65 | 52.35 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 17.72 | 2.42 | 0.00 | 20.15 | MEAN WEIGHT | 89.28 | 90.99 | 0.00 | 90.18 |
| | | | | | % SAMP. WT. | 47.18 | 52.82 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 137 - HERIOT BAY

SAMPLE NUMBERS: 138

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 14/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 45 | 25 | 11 | 6 | 1 | 1 | 0 | 0 | 10 | 99 |
| % AT AGE | 0.00 | 0.00 | 50.56 | 28.09 | 12.36 | 6.74 | 1.12 | 1.12 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 178.09 | 187.92 | 198.91 | 199.67 | 217.00 | 207.00 | 0.00 | 0.00 | 182.10 | 185.28 |
| - STD. DEV. | 0.00 | 0.00 | 7.57 | 10.49 | 7.06 | 12.14 | 0.00 | 0.00 | 0.00 | 0.00 | 14.83 | 12.67 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 79.31 | 100.24 | 115.55 | 114.67 | 155.00 | 115.00 | 0.00 | 0.00 | 88.40 | 92.81 |
| - STD. DEV. | 0.00 | 0.00 | 9.79 | 22.85 | 13.29 | 19.17 | 0.00 | 0.00 | 0.00 | 0.00 | 25.15 | 22.30 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 10 | 81 | 6 | 2 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 10.10 | 81.82 | 6.06 | 2.02 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 7 | 42 | 0 | 49 |
| % | 14.29 | 85.71 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 2.82 | 20.80 | 0.00 | 23.62 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 50 | 49 | 0 | 99 |
| % | 50.51 | 49.49 | 0.00 | 100.00 |
| MEAN WEIGHT | 91.72 | 93.92 | 0.00 | 92.81 |
| % SAMP. WT. | 49.91 | 50.09 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 142 - BAYNES SOUND

SAMPLE NUMBERS: 15

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 34 DATE: FEB 18/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 2 | 21 | 24 | 10 | 7 | 5 | 5 | 3 | 0 | 22 | 99 |
| % AT AGE | 0.00 | 2.60 | 27.27 | 31.17 | 12.99 | 9.09 | 6.49 | 6.49 | 3.90 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 165.00 | 187.48 | 202.67 | 215.40 | 219.86 | 221.80 | 226.60 | 241.33 | 0.00 | 198.73 | 203.66 |
| - STD. DEV. | 0.00 | 7.07 | 9.72 | 5.80 | 8.87 | 7.29 | 4.97 | 9.18 | 8.08 | 0.00 | 11.36 | 16.85 |
| WEIGHT - MEAN(gm) | 0.00 | 62.50 | 100.62 | 128.79 | 145.40 | 166.14 | 159.00 | 182.00 | 211.33 | 0.00 | 120.36 | 130.64 |
| - STD. DEV. | 0.00 | 0.71 | 16.14 | 12.48 | 21.60 | 15.33 | 10.95 | 13.55 | 16.92 | 0.00 | 22.06 | 32.70 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 1 | 96 | 2 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 1.01 | 96.97 | 2.02 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 52 | 0 | 0 | 52 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 22.99 | 0.00 | 0.00 | 22.99 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 47 | 52 | 0 | 99 |
| % | 47.47 | 52.53 | 0.00 | 100.00 |
| MEAN WEIGHT | 125.96 | 134.87 | 0.00 | 130.64 |
| % SAMP. WT. | 45.77 | 54.23 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 142 - BAYNES SOUND
 SAMPLE NUMBERS: 12, 25, 247, 221, 28
 SOURCE: PRE-FISHERY CHARTER
 GEAR: HERRING SEINE
 WEEK: 35 DATE: FEB 23/83 - FEB 26/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 11 | 127 | 135 | 88 | 33 | 8 | 6 | 3 | 1 | 87 | 499 |
| % AT AGE | 0.00 | 2.67 | 30.83 | 32.77 | 21.36 | 8.01 | 1.94 | 1.46 | 0.73 | 0.24 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 164.55 | 182.74 | 200.65 | 209.30 | 214.33 | 217.75 | 226.00 | 231.00 | 240.00 | 203.13 | 199.00 |
| - STD. DEV. | 0.00 | 9.66 | 10.84 | 10.00 | 10.57 | 8.77 | 9.75 | 10.32 | 2.65 | 0.00 | 14.46 | 16.65 |
| WEIGHT - MEAN(gm) | 0.00 | 63.36 | 89.17 | 122.97 | 142.76 | 154.58 | 165.75 | 170.17 | 184.00 | 229.00 | 128.17 | 121.37 |
| - STD. DEV. | 0.00 | 10.08 | 16.44 | 21.09 | 24.25 | 21.52 | 22.59 | 28.56 | 10.58 | 0.00 | 28.62 | 32.99 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 2 | 0 | 1 | 260 | 218 | 18 | 0 | 0 | 0 |
| % AT STAGE | 0.40 | 0.00 | 0.20 | 52.10 | 43.69 | 3.61 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | | | | | SEX RATIO: ===== | | | | |
|---------------------------------|----------|--------|-------|--------|---------------------|--------|--------|----------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 166 | 114 | 0 | 280 | NO. | 219 | 280 | 0 | 499 |
| % | 59.29 | 40.71 | 0.00 | 100.00 | % | 43.89 | 56.11 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 13.32 | 12.02 | 0.00 | 25.34 | MEAN WEIGHT | 114.75 | 126.55 | 0.00 | 121.37 |
| | | | | | % SAMP. WT. | 41.49 | 58.51 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 142 - BAYNES SOUND

SAMPLE NUMBERS: 396,388,397,399,398,243,170,217,394,393,
 401,392,383,402

SOURCE: ROE FISHERY
 PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 36 DATE: FEB 27/83 - FEB 28/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 18 | 284 | 391 | 281 | 149 | 39 | 43 | 19 | 5 | 167 | 1396 |
| % AT AGE | 0.00 | 1.46 | 23.11 | 31.81 | 22.86 | 12.12 | 3.17 | 3.50 | 1.55 | 0.41 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 159.72 | 180.54 | 197.44 | 205.14 | 210.26 | 218.31 | 220.98 | 228.95 | 223.80 | 200.57 | 198.64 |
| - STD. DEV. | 0.00 | 8.70 | 11.47 | 11.86 | 11.55 | 10.10 | 8.14 | 13.25 | 9.30 | 12.87 | 13.48 | 16.91 |
| WEIGHT - MEAN(gm) | 0.00 | 56.33 | 89.59 | 123.50 | 140.14 | 151.44 | 169.38 | 179.88 | 184.21 | 186.20 | 127.04 | 126.56 |
| - STD. DEV. | 0.00 | 10.46 | 15.94 | 20.45 | 21.70 | 21.89 | 15.73 | 18.86 | 24.87 | 14.97 | 29.61 | 33.02 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 157 | 977 | 252 | 9 | 0 | 1 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 11.25 | 69.99 | 18.05 | 0.64 | 0.00 | 0.07 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 136 | 568 | 6 | 710 |
| % | 19.15 | 80.00 | 0.85 | 100.00 |
| % SAMPLE WEIGHT | 3.51 | 23.95 | 0.01 | 27.47 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 685 | 710 | 1 | 1396 |
| % | 49.07 | 50.86 | 0.07 | 100.00 |
| MEAN WEIGHT | 122.01 | 131.06 | 44.00 | 126.56 |
| % SAMP. WT. | 47.31 | 52.67 | 0.02 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 142 - BAYNES SOUND

SAMPLE NUMBERS: 122

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 18/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 3 | 31 | 32 | 13 | 7 | 0 | 2 | 2 | 0 | 8 | 98 |
| % AT AGE | 0.00 | 3.33 | 34.44 | 35.56 | 14.44 | 7.78 | 0.00 | 2.22 | 2.22 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 168.67 | 180.26 | 196.38 | 202.38 | 207.43 | 0.00 | 237.00 | 226.00 | 0.00 | 204.38 | 194.10 |
| - STD. DEV. | 0.00 | 18.90 | 9.27 | 10.18 | 4.54 | 6.53 | 0.00 | 7.07 | 12.73 | 0.00 | 15.25 | 16.24 |
| WEIGHT - MEAN(gm) | 0.00 | 55.33 | 66.74 | 86.81 | 98.38 | 101.00 | 0.00 | 150.50 | 141.00 | 0.00 | 95.25 | 85.14 |
| - STD. DEV. | 0.00 | 13.65 | 10.06 | 12.93 | 8.60 | 11.65 | 0.00 | 19.09 | 46.67 | 0.00 | 19.46 | 22.33 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 0 | 1 | 0 | 97 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.00 | 1.02 | 0.00 | 98.98 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 0 | 1 | 43 | 44 |
| % | 0.00 | 2.27 | 97.73 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.76 | 1.54 | 2.30 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 54 | 44 | 0 | 98 |
| % | 55.10 | 44.90 | 0.00 | 100.00 |
| MEAN WEIGHT | 86.09 | 83.98 | 0.00 | 85.14 |
| % SAMP. WT. | 55.72 | 44.28 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 143 - QUALICUM

SAMPLE NUMBERS: 268

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 36 DATE: MAR 1/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 3 | 12 | 32 | 19 | 13 | 6 | 7 | 1 | 1 | 6 | 100 |
| % AT AGE | 0.00 | 3.19 | 12.77 | 34.04 | 20.21 | 13.83 | 6.38 | 7.45 | 1.06 | 1.06 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 155.67 | 184.50 | 193.16 | 199.21 | 201.46 | 206.17 | 217.43 | 230.00 | 220.00 | 195.17 | 196.46 |
| - STD. DEV. | 0.00 | 2.08 | 6.87 | 7.14 | 9.21 | 7.33 | 6.79 | 7.83 | 0.00 | 0.00 | 9.91 | 13.57 |
| WEIGHT - MEAN(gm) | 0.00 | 57.33 | 96.17 | 122.59 | 133.53 | 141.00 | 146.00 | 178.71 | 177.00 | 193.00 | 128.67 | 128.88 |
| - STD. DEV. | 0.00 | 6.81 | 15.60 | 18.73 | 27.59 | 18.18 | 26.73 | 19.58 | 0.00 | 0.00 | 30.81 | 31.67 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 6 | 68 | 5 | 21 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 6.00 | 68.00 | 5.00 | 21.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 5 | 25 | 14 | 44 |
| % | 11.36 | 56.82 | 31.82 | 100.00 |
| % SAMPLE WEIGHT | 2.10 | 18.11 | 0.37 | 20.57 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 56 | 44 | 0 | 100 |
| % | 56.00 | 44.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 132.41 | 124.39 | 0.00 | 128.88 |
| % SAMP. WT. | 57.53 | 42.47 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 144 - FRENCH CREEK

SAMPLE NUMBERS: 299

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 36 DATE: MAR 2/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 1 | 13 | 30 | 25 | 8 | 2 | 4 | 5 | 0 | 12 | 100 |
| % AT AGE | 0.00 | 1.14 | 14.77 | 34.09 | 28.41 | 9.09 | 2.27 | 4.55 | 5.68 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 161.00 | 177.08 | 187.67 | 197.44 | 207.38 | 202.50 | 208.50 | 224.80 | 0.00 | 193.50 | 193.73 |
| - STD. DEV. | 0.00 | 0.00 | 11.88 | 8.53 | 8.56 | 6.86 | 3.54 | 8.19 | 8.41 | 0.00 | 10.53 | 14.59 |
| WEIGHT - MEAN (gm) | 0.00 | 55.00 | 91.69 | 112.40 | 138.68 | 158.50 | 169.00 | 169.25 | 201.20 | 0.00 | 126.92 | 128.98 |
| - STD. DEV. | 0.00 | 0.00 | 15.86 | 21.65 | 23.47 | 22.58 | 9.90 | 17.27 | 27.25 | 0.00 | 33.43 | 35.76 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 2 | 65 | 7 | 26 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 2.00 | 65.00 | 7.00 | 26.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 2 | 35 | 16 | 53 |
| % | 3.77 | 66.04 | 30.19 | 100.00 |
| % SAMPLE WEIGHT | 0.49 | 20.74 | 0.12 | 21.35 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 47 | 53 | 0 | 100 |
| % | 47.00 | 53.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 130.91 | 127.26 | 0.00 | 128.98 |
| % SAMP. WT. | 47.71 | 52.29 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 144 - FRENCH CREEK

SAMPLE NUMBERS: 224

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 10/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 0 | 20 | 31 | 23 | 10 | 5 | 3 | 0 | 0 | 7 | 99 |
| % AT AGE | 0.00 | 0.00 | 21.74 | 33.70 | 25.00 | 10.87 | 5.43 | 3.26 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 179.90 | 190.45 | 201.52 | 203.60 | 214.60 | 212.33 | 0.00 | 0.00 | 196.71 | 194.55 |
| - STD. DEV. | 0.00 | 0.00 | 9.90 | 9.37 | 10.02 | 8.59 | 13.69 | 14.36 | 0.00 | 0.00 | 12.39 | 14.00 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 87.10 | 104.16 | 129.26 | 136.20 | 152.00 | 166.33 | 0.00 | 0.00 | 111.43 | 114.60 |
| - STD. DEV. | 0.00 | 0.00 | 12.46 | 16.36 | 22.88 | 16.81 | 22.02 | 19.35 | 0.00 | 0.00 | 14.08 | 27.13 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 5 | 86 | 0 | 8 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 5.05 | 86.87 | 0.00 | 8.08 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 0 | 41 | 2 | 43 |
| % | 0.00 | 95.35 | 4.65 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 25.04 | 0.04 | 25.08 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 56 | 43 | 0 | 99 |
| % | 56.57 | 43.43 | 0.00 | 100.00 |
| MEAN WEIGHT | 110.45 | 120.00 | 0.00 | 114.60 |
| % SAMP. WT. | 54.52 | 45.48 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 152 - LUND

SAMPLE NUMBERS: 270

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 34 DATE: FEB 16/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 44 | 22 | 13 | 10 | 3 | 3 | 1 | 1 | 3 | 100 |
| % AT AGE | 0.00 | 0.00 | 45.36 | 22.68 | 13.40 | 10.31 | 3.09 | 3.09 | 1.03 | 1.03 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 183.00 | 199.27 | 205.31 | 210.20 | 221.67 | 213.00 | 228.00 | 237.00 | 192.33 | 195.53 |
| - STD. DEV. | 0.00 | 0.00 | 6.39 | 8.91 | 9.01 | 11.95 | 8.51 | 5.29 | 0.00 | 0.00 | 6.43 | 15.02 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 82.41 | 109.18 | 122.92 | 135.50 | 153.33 | 140.33 | 178.00 | 191.00 | 95.33 | 105.17 |
| - STD. DEV. | 0.00 | 0.00 | 10.41 | 12.35 | 15.72 | 23.51 | 24.01 | 15.14 | 0.00 | 0.00 | 12.50 | 28.03 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 3 | 63 | 34 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 3.00 | 63.00 | 34.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 53 | 0 | 0 | 53 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 19.08 | 0.00 | 0.00 | 19.08 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 47 | 53 | 0 | 100 |
| % | 47.00 | 53.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 104.47 | 105.79 | 0.00 | 105.17 |
| % SAMP. WT. | 46.69 | 53.31 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 152 - LUND

SAMPLE NUMBERS: 20, 19, 18, 24

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 35 DATE: FEB 23/83 - FEB 26/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 1 | 100 | 97 | 66 | 50 | 17 | 10 | 1 | 0 | 44 | 386 |
| % AT AGE | 0.00 | 0.29 | 29.24 | 28.36 | 19.30 | 14.62 | 4.97 | 2.92 | 0.29 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 161.00 | 183.19 | 195.01 | 203.65 | 204.66 | 208.41 | 216.10 | 200.00 | 0.00 | 199.68 | 196.27 |
| - STD. DEV. | 0.00 | 0.00 | 7.73 | 9.75 | 8.85 | 11.00 | 8.41 | 12.79 | 0.00 | 0.00 | 10.41 | 13.08 |
| WEIGHT - MEAN(gm) | 0.00 | 52.00 | 84.34 | 107.23 | 125.58 | 130.86 | 136.71 | 144.50 | 129.00 | 0.00 | 113.89 | 110.43 |
| - STD. DEV. | 0.00 | 0.00 | 11.01 | 16.76 | 18.36 | 19.60 | 16.12 | 26.21 | 0.00 | 0.00 | 21.23 | 25.08 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 1 | 0 | 314 | 71 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.26 | 0.00 | 81.35 | 18.39 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 229 | 5 | 0 | 234 |
| % | 97.86 | 2.14 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 18.55 | 0.50 | 0.00 | 19.05 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 152 | 234 | 0 | 386 |
| % | 39.38 | 60.62 | 0.00 | 100.00 |
| MEAN WEIGHT | 108.08 | 111.96 | 0.00 | 110.43 |
| % SAMP. WT. | 38.54 | 61.46 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 152 - LUND

SAMPLE NUMBERS: 107,266,237, 92,255,380,291,272, 56,157,
 31,244, 61, 36, 96, 40, 99, 76,104, 32,
 250,265,289,305,155, 38,241, 50, 37,282,
 228,294,263,172,235,152,163,151,261, 30,
 52,159, 55

SOURCE: ROE FISHERY
 PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 36 DATE: FEB 27/83 - MAR 5/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 10 | 1181 | 1108 | 712 | 599 | 154 | 132 | 46 | 14 | 321 | 4277 |
| % AT AGE | 0.00 | 0.25 | 29.85 | 28.01 | 18.00 | 15.14 | 3.89 | 3.34 | 1.16 | 0.35 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 157.80 | 180.80 | 194.70 | 201.81 | 205.48 | 212.53 | 216.54 | 221.93 | 233.50 | 197.55 | 195.42 |
| - STD. DEV. | 0.00 | 8.93 | 8.88 | 9.81 | 9.45 | 9.98 | 10.82 | 10.68 | 11.67 | 12.77 | 14.19 | 14.86 |
| WEIGHT - MEAN(gm) | 0.00 | 57.30 | 84.79 | 107.94 | 122.64 | 129.88 | 144.19 | 152.12 | 165.54 | 194.93 | 113.43 | 110.94 |
| - STD. DEV. | 0.00 | 7.59 | 12.79 | 16.71 | 18.03 | 19.21 | 23.81 | 24.22 | 27.85 | 27.08 | 25.17 | 27.17 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 4 | 15 | 1090 | 2644 | 517 | 5 | 1 | 0 |
| % AT STAGE | 0.02 | 0.09 | 0.35 | 25.49 | 61.82 | 12.09 | 0.12 | 0.02 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 768 | 1478 | 2 | 2248 |
| % | 34.16 | 65.75 | 0.09 | 100.00 |
| % SAMPLE WEIGHT | 6.42 | 17.74 | 0.00 | 24.17 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 2029 | 2248 | 0 | 4277 |
| % | 47.44 | 52.56 | 0.00 | 100.00 |
| MEAN WEIGHT | 107.36 | 114.16 | 0.00 | 110.94 |
| % SAMP. WT. | 45.91 | 54.09 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 152 - LUND

SAMPLE NUMBERS: 88, 89, 150, 71, 90, 81, 75, 80, 78

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 6/83 - MAR 11/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 11 | 326 | 207 | 128 | 95 | 28 | 35 | 12 | 0 | 50 | 892 |
| % AT AGE | 0.00 | 1.31 | 38.72 | 24.58 | 15.20 | 11.28 | 3.33 | 4.16 | 1.43 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 165.00 | 179.62 | 195.00 | 201.67 | 207.26 | 212.39 | 215.80 | 225.42 | 0.00 | 196.36 | 193.12 |
| - STD. DEV. | 0.00 | 6.42 | 8.54 | 10.13 | 7.87 | 9.40 | 10.51 | 10.37 | 14.36 | 0.00 | 17.03 | 15.83 |
| WEIGHT - MEAN(gm) | 0.00 | 60.45 | 78.21 | 100.76 | 114.45 | 121.00 | 136.04 | 142.94 | 156.75 | 0.00 | 102.78 | 99.77 |
| - STD. DEV. | 0.00 | 6.22 | 11.80 | 16.69 | 16.57 | 20.33 | 19.51 | 22.39 | 27.87 | 0.00 | 28.30 | 26.64 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|-------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 0 | 4 | 130 | 546 | 108 | 103 | 0 | 0 |
| % AT STAGE | 0.11 | 0.00 | 0.45 | 14.57 | 61.21 | 12.11 | 11.55 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 92 | 325 | 56 | 473 |
| % | 19.45 | 68.71 | 11.84 | 100.00 |
| % SAMPLE WEIGHT | 3.37 | 18.31 | 0.15 | 21.84 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 416 | 473 | 3 | 892 |
| % | 46.64 | 53.03 | 0.34 | 100.00 |
| MEAN WEIGHT | 96.78 | 102.54 | 78.33 | 99.77 |
| % SAMP. WT. | 45.24 | 54.50 | 0.26 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 152 - LUND

SAMPLE NUMBERS: 124

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 17/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 1 | 23 | 21 | 21 | 13 | 7 | 2 | 2 | 0 | 10 | 100 |
| % AT AGE | 0.00 | 1.11 | 25.56 | 23.33 | 23.33 | 14.44 | 7.78 | 2.22 | 2.22 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 183.00 | 183.83 | 204.90 | 207.33 | 210.54 | 223.57 | 228.00 | 228.00 | 0.00 | 202.20 | 203.04 |
| - STD. DEV. | 0.00 | 0.00 | 8.92 | 8.16 | 8.10 | 11.86 | 8.48 | 8.49 | 1.41 | 0.00 | 9.35 | 15.21 |
| WEIGHT - MEAN(gm) | 0.00 | 70.00 | 73.48 | 97.71 | 104.10 | 111.62 | 136.14 | 154.50 | 143.00 | 0.00 | 99.80 | 99.95 |
| - STD. DEV. | 0.00 | 0.00 | 9.91 | 13.08 | 13.06 | 14.72 | 17.57 | 10.61 | 12.73 | 0.00 | 18.20 | 23.52 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 1 | 0 | 0 | 99 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 99.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 1 | 0 | 27 | 28 |
| % | 3.57 | 0.00 | 96.43 | 100.00 |
| % SAMPLE WEIGHT | 0.57 | 0.00 | 2.09 | 2.66 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 72 | 28 | 0 | 100 |
| % | 72.00 | 28.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 99.60 | 100.86 | 0.00 | 99.95 |
| % SAMP. WT. | 71.75 | 28.25 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 162 - STILLWATER

SAMPLE NUMBERS: 16

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 35 DATE: FEB 24/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 23 | 25 | 19 | 11 | 3 | 2 | 1 | 0 | 15 | 99 |
| % AT AGE | 0.00 | 0.00 | 27.38 | 29.76 | 22.62 | 13.10 | 3.57 | 2.38 | 1.19 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 188.17 | 201.08 | 208.16 | 211.64 | 214.67 | 214.00 | 220.00 | 0.00 | 207.00 | 202.37 |
| - STD. DEV. | 0.00 | 0.00 | 7.55 | 6.49 | 7.03 | 7.37 | 13.43 | 11.31 | 0.00 | 0.00 | 7.79 | 11.36 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 97.65 | 117.92 | 131.26 | 142.18 | 147.33 | 143.50 | 149.00 | 0.00 | 127.80 | 121.69 |
| - STD. DEV. | 0.00 | 0.00 | 9.77 | 11.07 | 17.03 | 16.13 | 30.89 | 27.58 | 0.00 | 0.00 | 14.94 | 20.92 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 2 | 97 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 2.02 | 97.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 63 | 0 | 0 | 63 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 20.66 | 0.00 | 0.00 | 20.66 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 36 | 63 | 0 | 99 |
| % | 36.36 | 63.64 | 0.00 | 100.00 |
| MEAN WEIGHT | 117.42 | 124.13 | 0.00 | 121.69 |
| % SAMP. WT. | 35.09 | 64.91 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 162 - STILLWATER

SAMPLE NUMBERS: 164,153,165

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 36 DATE: MAR 2/83 - MAR 5/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 2 | 114 | 77 | 37 | 26 | 4 | 6 | 1 | 0 | 31 | 298 |
| % AT AGE | 0.00 | 0.75 | 42.70 | 28.84 | 13.86 | 9.74 | 1.50 | 2.25 | 0.37 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 148.50 | 178.36 | 192.51 | 202.00 | 200.96 | 206.25 | 207.83 | 222.00 | 0.00 | 192.71 | 189.33 |
| - STD. DEV. | 0.00 | 4.95 | 8.58 | 11.07 | 8.18 | 7.44 | 17.61 | 14.05 | 0.00 | 0.00 | 14.32 | 14.38 |
| WEIGHT - MEAN (gm) | 0.00 | 45.00 | 84.93 | 108.91 | 127.38 | 122.65 | 140.25 | 155.83 | 154.00 | 0.00 | 110.84 | 104.52 |
| - STD. DEV. | 0.00 | 1.41 | 11.26 | 13.57 | 13.74 | 16.34 | 16.07 | 26.78 | 0.00 | 0.00 | 25.50 | 23.96 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 1 | 64 | 216 | 17 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.34 | 21.48 | 72.48 | 5.70 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 56 | 132 | 0 | 188 |
| % | 29.79 | 70.21 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 5.45 | 18.92 | 0.00 | 24.37 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 110 | 188 | 0 | 298 |
| % | 36.91 | 63.09 | 0.00 | 100.00 |
| MEAN WEIGHT | 97.98 | 108.34 | 0.00 | 104.52 |
| % SAMP. WT. | 34.60 | 65.40 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 162 - STILLWATER

SAMPLE NUMBERS: 91,215

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 8/83 - MAR 9/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 3 | 101 | 40 | 13 | 16 | 1 | 1 | 1 | 0 | 20 | 196 |
| % AT AGE | 0.00 | 1.70 | 57.39 | 22.73 | 7.39 | 9.09 | 0.57 | 0.57 | 0.57 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 154.33 | 176.87 | 188.60 | 197.15 | 195.94 | 193.00 | 207.00 | 214.00 | 0.00 | 187.55 | 183.34 |
| - STD. DEV. | 0.00 | 2.08 | 10.23 | 11.26 | 9.72 | 9.73 | 0.00 | 0.00 | 0.00 | 0.00 | 11.01 | 13.41 |
| WEIGHT - MEAN(gm) | 0.00 | 61.00 | 84.22 | 106.78 | 120.23 | 115.88 | 123.00 | 163.00 | 137.00 | 0.00 | 108.65 | 96.80 |
| - STD. DEV. | 0.00 | 10.15 | 10.36 | 15.74 | 8.42 | 19.94 | 0.00 | 0.00 | 0.00 | 0.00 | 25.34 | 20.99 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 1 | 60 | 135 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.51 | 30.61 | 68.88 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | | MALE | FEMALE | IMMATURE | TOTAL | |
|---------------------------------|------------|--------|-------|--------|-------------|--------|----------|--------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | | | | | |
| NO. | 37 | 79 | 0 | 116 | 80 | 116 | 0 | 196 | |
| % | 31.90 | 68.10 | 0.00 | 100.00 | 40.82 | 59.18 | 0.00 | 100.00 | |
| % SAMPLE WEIGHT | 5.39 | 17.26 | 0.00 | 22.65 | MEAN WEIGHT | 93.78 | 98.89 | 0.00 | 96.80 |
| | | | | | % SAMP. WT. | 39.54 | 60.46 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 34

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 20 DATE: NOV 7/82

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 30 | 20 | 8 | 5 | 1 | 1 | 0 | 0 | 33 | 98 |
| % AT AGE | 0.00 | 0.00 | 46.15 | 30.77 | 12.31 | 7.69 | 1.54 | 1.54 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 178.87 | 195.90 | 207.75 | 212.40 | 228.00 | 227.00 | 0.00 | 0.00 | 184.36 | 189.26 |
| - STD. DEV. | 0.00 | 0.00 | 10.10 | 10.31 | 7.70 | 13.98 | 0.00 | 0.00 | 0.00 | 0.00 | 32.74 | 23.54 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 103.63 | 135.65 | 161.25 | 165.00 | 210.00 | 202.00 | 0.00 | 0.00 | 121.73 | 126.18 |
| - STD. DEV. | 0.00 | 0.00 | 16.55 | 18.95 | 13.09 | 25.40 | 0.00 | 0.00 | 0.00 | 0.00 | 52.26 | 39.82 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 1 | 9 | 68 | 18 | 0 | 0 | 0 | 0 | 2 |
| % AT STAGE | 1.02 | 9.18 | 69.39 | 18.37 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 54 | 0 | 0 | 54 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 42 | 54 | 2 | 98 |
| % | 42.86 | 55.10 | 2.04 | 100.00 |
| MEAN WEIGHT | 120.48 | 134.81 | 13.00 | 126.18 |
| % SAMP. WT. | 40.92 | 58.87 | 0.21 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17
 SAMPLE NUMBERS: 31, 24, 63
 SOURCE: RESEARCH - INSHORE
 GEAR: HERRING SEINE
 WEEK: 21 DATE: NOV 16/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 11 | 82 | 65 | 36 | 18 | 4 | 9 | 5 | 0 | 66 | 296 |
| % AT AGE | 0.00 | 4.78 | 35.65 | 28.26 | 15.65 | 7.83 | 1.74 | 3.91 | 2.17 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 157.55 | 182.88 | 201.37 | 206.36 | 215.61 | 217.25 | 228.44 | 230.00 | 0.00 | 196.80 | 196.59 |
| - STD. DEV. | 0.00 | 7.99 | 10.64 | 10.27 | 9.55 | 10.35 | 9.18 | 8.25 | 11.90 | 0.00 | 17.56 | 18.69 |
| WEIGHT - MEAN (gm) | 0.00 | 66.55 | 105.89 | 141.34 | 155.94 | 175.28 | 183.75 | 205.78 | 218.60 | 0.00 | 136.79 | 135.40 |
| - STD. DEV. | 0.00 | 10.44 | 18.20 | 18.82 | 19.54 | 26.68 | 29.80 | 21.25 | 25.64 | 0.00 | 40.69 | 39.10 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 1 | 4 | 155 | 136 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.34 | 1.35 | 52.36 | 45.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 154 | 0 | 0 | 154 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

| SEX RATIO: ===== | SEX RATIO: | | | |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 142 | 154 | 0 | 296 |
| % | 47.97 | 52.03 | 0.00 | 100.00 |
| MEAN WEIGHT | 131.13 | 139.34 | 0.00 | 135.40 |
| % SAMP. WT. | 46.46 | 53.54 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 12, 16, 17, 6, 18, 60, 20, 21, 9

SOURCE: FOOD FISHERY
 RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 22 DATE: NOV 22/82 - NOV 25/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 94 | 6 | 86 | 217 | 135 | 69 | 30 | 37 | 15 | 5 | 202 | 896 |
| % AT AGE | 13.54 | 0.86 | 12.39 | 31.27 | 19.45 | 9.94 | 4.32 | 5.33 | 2.16 | 0.72 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 97.07 | 153.83 | 189.84 | 203.94 | 210.79 | 215.30 | 218.80 | 226.65 | 231.53 | 232.40 | 204.14 | 195.05 |
| - STD. DEV. | 5.96 | 18.30 | 9.49 | 7.41 | 7.57 | 8.20 | 6.14 | 7.44 | 5.48 | 9.76 | 20.28 | 36.84 |
| WEIGHT - MEAN(gm) | 13.40 | 61.17 | 109.10 | 137.48 | 155.52 | 166.38 | 171.80 | 195.97 | 205.47 | 205.80 | 142.39 | 132.36 |
| - STD. DEV. | 2.33 | 20.43 | 15.99 | 15.71 | 18.06 | 16.72 | 15.91 | 19.12 | 10.84 | 21.26 | 35.12 | 50.71 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 3 | 3 | 396 | 493 | 1 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.33 | 0.33 | 44.20 | 55.02 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 343 | 0 | 0 | 343 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 455 | 343 | 98 | 896 |
| % | 50.78 | 38.28 | 10.94 | 100.00 |
| MEAN WEIGHT | 145.77 | 148.57 | 13.41 | 132.36 |
| % SAMP. WT. | 55.92 | 42.97 | 1.11 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 45, 36, 44, 39, 51, 43, 37, 49, 41, 61, 40

SOURCE: FOOD FISHERY
 RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 23 DATE: NOV 28/82 - DEC 1/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 9 | 157 | 268 | 202 | 89 | 42 | 39 | 22 | 3 | 259 | 1090 |
| % AT AGE | 0.00 | 1.08 | 18.89 | 32.25 | 24.31 | 10.71 | 5.05 | 4.69 | 2.65 | 0.36 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 165.33 | 187.35 | 201.74 | 210.00 | 216.85 | 218.64 | 226.64 | 232.09 | 250.00 | 203.10 | 204.74 |
| - STD. DEV. | 0.00 | 14.53 | 9.10 | 8.83 | 8.15 | 6.74 | 7.03 | 8.81 | 6.84 | 8.19 | 12.48 | 14.59 |
| WEIGHT - MEAN (gm) | 0.00 | 69.89 | 104.75 | 132.97 | 151.74 | 168.01 | 175.74 | 194.15 | 204.91 | 235.33 | 136.76 | 141.20 |
| - STD. DEV. | 0.00 | 16.59 | 15.42 | 18.16 | 18.55 | 16.96 | 19.79 | 19.69 | 22.57 | 8.14 | 26.98 | 31.65 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 12 | 512 | 560 | 4 | 0 | 0 | 1 | 0 |
| % AT STAGE | 0.09 | 1.10 | 46.97 | 51.38 | 0.37 | 0.00 | 0.00 | 0.09 | 0.00 |

| ROE MATURITY (FEMALE): ===== | | | | | SEX RATIO: ===== | | | | |
|---------------------------------|----------|--------|-------|--------|---------------------|--------|--------|----------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 580 | 2 | 1 | 583 | NO. | 505 | 583 | 0 | 1088 |
| % | 99.49 | 0.34 | 0.17 | 100.00 | % | 46.42 | 53.58 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 | MEAN WEIGHT | 139.38 | 142.77 | 0.00 | 141.20 |
| | | | | | % SAMP. WT. | 45.82 | 54.18 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 70, 84, 72

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 24 DATE: DEC 7/82 - DEC 9/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 9 | 97 | 75 | 30 | 11 | 7 | 4 | 2 | 0 | 60 | 295 |
| % AT AGE | 0.00 | 3.83 | 41.28 | 31.91 | 12.77 | 4.68 | 2.98 | 1.70 | 0.85 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 168.78 | 185.87 | 202.60 | 211.13 | 221.91 | 226.43 | 228.50 | 235.00 | 0.00 | 195.98 | 197.44 |
| - STD. DEV. | 0.00 | 10.11 | 8.63 | 9.64 | 8.57 | 9.79 | 8.66 | 10.97 | 0.00 | 0.00 | 16.09 | 16.63 |
| WEIGHT - MEAN(gm) | 0.00 | 75.56 | 103.38 | 133.92 | 156.57 | 181.18 | 195.43 | 203.75 | 216.00 | 0.00 | 121.27 | 126.55 |
| - STD. DEV. | 0.00 | 13.45 | 14.93 | 19.61 | 18.63 | 16.65 | 23.46 | 13.18 | 26.87 | 0.00 | 30.48 | 33.89 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 1 | 36 | 208 | 50 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.34 | 12.20 | 70.51 | 16.95 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 147 | 1 | 0 | 148 |
| % | 99.32 | 0.68 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 147 | 148 | 0 | 295 |
| % | 49.83 | 50.17 | 0.00 | 100.00 |
| MEAN WEIGHT | 122.58 | 130.50 | 0.00 | 126.55 |
| % SAMP. WT. | 48.27 | 51.73 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 78, 82

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 25 DATE: DEC 13/82

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 10 | 79 | 42 | 12 | 8 | 0 | 2 | 0 | 0 | 46 | 199 |
| % AT AGE | 0.00 | 6.54 | 51.63 | 27.45 | 7.84 | 5.23 | 0.00 | 1.31 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 157.80 | 185.25 | 201.83 | 211.17 | 214.75 | 0.00 | 234.50 | 0.00 | 0.00 | 194.09 | 192.66 |
| - STD. DEV. | 0.00 | 3.91 | 8.94 | 9.48 | 8.16 | 5.18 | 0.00 | 13.44 | 0.00 | 0.00 | 14.98 | 16.34 |
| WEIGHT - MEAN(gm) | 0.00 | 63.70 | 102.16 | 128.45 | 146.75 | 158.00 | 0.00 | 203.00 | 0.00 | 0.00 | 116.83 | 115.12 |
| - STD. DEV. | 0.00 | 5.08 | 13.30 | 19.20 | 19.06 | 16.46 | 0.00 | 48.08 | 0.00 | 0.00 | 24.84 | 27.94 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 1 | 10 | 146 | 42 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.50 | 5.03 | 73.37 | 21.11 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 92 | 1 | 0 | 93 |
| % | 98.92 | 1.08 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 105 | 93 | 0 | 198 |
| % | 53.03 | 46.97 | 0.00 | 100.00 |
| MEAN WEIGHT | 111.17 | 119.62 | 0.00 | 115.14 |
| % SAMP. WT. | 51.20 | 48.80 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 9, 8, 7

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 29 DATE: JAN 13/83 - JAN 15/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 27 | 71 | 79 | 35 | 19 | 5 | 7 | 1 | 1 | 54 | 299 |
| % AT AGE | 0.00 | 11.02 | 28.98 | 32.24 | 14.29 | 7.76 | 2.04 | 2.86 | 0.41 | 0.41 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 155.96 | 182.69 | 197.87 | 206.86 | 213.95 | 218.00 | 218.57 | 237.00 | 216.00 | 192.98 | 192.69 |
| - STD. DEV. | 0.00 | 11.18 | 9.16 | 8.50 | 7.86 | 6.16 | 4.47 | 6.55 | 0.00 | 0.00 | 16.07 | 18.61 |
| WEIGHT - MEAN(gm) | 0.00 | 59.33 | 96.28 | 124.84 | 142.57 | 153.26 | 162.00 | 175.71 | 202.00 | 150.00 | 116.80 | 116.73 |
| - STD. DEV. | 0.00 | 12.64 | 13.19 | 15.61 | 17.90 | 14.51 | 13.73 | 20.92 | 0.00 | 0.00 | 28.31 | 32.33 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 1 | 2 | 21 | 275 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.33 | 0.67 | 7.02 | 91.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 148 | 0 | 0 | 148 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 15.05 | 0.00 | 0.00 | 15.05 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 151 | 148 | 0 | 299 |
| % | 50.50 | 49.50 | 0.00 | 100.00 |
| MEAN WEIGHT | 113.13 | 120.40 | 0.00 | 116.73 |
| % SAMP. WT. | 48.94 | 51.06 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 13, 6, 11, 4, 2, 5, 10, 17, 3, 1

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 30 DATE: JAN 17/83 - JAN 22/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 49 | 292 | 259 | 116 | 37 | 25 | 12 | 10 | 0 | 184 | 984 |
| % AT AGE | 0.00 | 6.13 | 36.50 | 32.38 | 14.50 | 4.63 | 3.13 | 1.50 | 1.25 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 158.39 | 182.13 | 197.91 | 205.64 | 214.00 | 220.36 | 225.50 | 232.00 | 0.00 | 192.79 | 193.07 |
| - STD. DEV. | 0.00 | 10.46 | 10.94 | 10.26 | 8.67 | 8.63 | 9.08 | 6.53 | 7.07 | 0.00 | 17.05 | 17.92 |
| WEIGHT - MEAN (gm) | 0.00 | 63.02 | 95.52 | 123.21 | 139.22 | 160.16 | 171.64 | 182.08 | 195.90 | 0.00 | 114.22 | 116.28 |
| - STD. DEV. | 0.00 | 11.01 | 16.08 | 19.94 | 16.64 | 19.84 | 20.47 | 21.08 | 17.34 | 0.00 | 30.40 | 32.19 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 2 | 5 | 109 | 832 | 36 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.20 | 0.51 | 11.08 | 84.55 | 3.66 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 468 | 5 | 0 | 473 |
| % | 98.94 | 1.06 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 14.48 | 0.22 | 0.00 | 14.70 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 511 | 473 | 0 | 984 |
| % | 51.93 | 48.07 | 0.00 | 100.00 |
| MEAN WEIGHT | 114.26 | 118.46 | 0.00 | 116.28 |
| % SAMP. WT. | 51.03 | 48.97 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 29, 33, 26

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 35 DATE: FEB 23/83 - FEB 25/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 40 | 79 | 58 | 44 | 16 | 4 | 8 | 2 | 2 | 46 | 299 |
| % AT AGE | 0.00 | 15.81 | 31.23 | 22.92 | 17.39 | 6.32 | 1.58 | 3.16 | 0.79 | 0.79 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 159.45 | 181.06 | 201.31 | 209.00 | 214.00 | 223.75 | 223.25 | 223.00 | 235.50 | 192.39 | 192.06 |
| - STD. DEV. | 0.00 | 8.05 | 11.15 | 8.35 | 7.99 | 7.49 | 14.50 | 6.34 | 5.66 | 12.02 | 16.97 | 20.78 |
| WEIGHT - MEAN(gm) | 0.00 | 57.75 | 87.72 | 121.24 | 140.20 | 155.31 | 175.75 | 183.38 | 177.50 | 205.50 | 106.13 | 109.51 |
| - STD. DEV. | 0.00 | 11.40 | 16.78 | 16.20 | 19.38 | 16.35 | 24.35 | 18.21 | 9.19 | 13.44 | 31.80 | 37.95 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 1 | 2 | 8 | 244 | 43 | 1 | 0 | 0 | 0 |
| % AT STAGE | 0.33 | 0.67 | 2.68 | 81.61 | 14.38 | 0.33 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 172 | 2 | 0 | 174 |
| % | 98.85 | 1.15 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 19.96 | 0.25 | 0.00 | 20.20 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 125 | 174 | 0 | 299 |
| % | 41.81 | 58.19 | 0.00 | 100.00 |
| MEAN WEIGHT | 107.77 | 110.76 | 0.00 | 109.51 |
| % SAMP. WT. | 41.14 | 58.86 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 69

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 36 DATE: MAR 3/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 13 | 35 | 20 | 6 | 5 | 3 | 3 | 0 | 0 | 14 | 99 |
| % AT AGE | 0.00 | 15.29 | 41.18 | 23.53 | 7.06 | 5.88 | 3.53 | 3.53 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 155.31 | 178.94 | 192.95 | 207.17 | 209.80 | 219.00 | 227.00 | 0.00 | 0.00 | 189.50 | 186.10 |
| - STD. DEV. | 0.00 | 7.62 | 11.24 | 9.21 | 5.49 | 8.04 | 12.29 | 11.53 | 0.00 | 0.00 | 18.66 | 20.47 |
| WEIGHT - MEAN(gm) | 0.00 | 54.08 | 86.17 | 108.80 | 139.17 | 151.20 | 179.00 | 166.00 | 0.00 | 0.00 | 105.71 | 101.02 |
| - STD. DEV. | 0.00 | 7.95 | 14.54 | 19.59 | 16.85 | 16.30 | 36.50 | 18.52 | 0.00 | 0.00 | 31.98 | 35.64 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 72 | 21 | 3 | 3 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 72.73 | 21.21 | 3.03 | 3.03 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 48 | 5 | 0 | 53 |
| % | 90.57 | 9.43 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 19.94 | 1.89 | 0.00 | 21.84 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 46 | 53 | 0 | 99 |
| % | 46.46 | 53.54 | 0.00 | 100.00 |
| MEAN WEIGHT | 87.70 | 112.58 | 0.00 | 101.02 |
| % SAMP. WT. | 40.34 | 59.66 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 148,216,161

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 9/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 0 | 32 | 60 | 76 | 34 | 13 | 26 | 11 | 7 | 37 | 296 |
| % AT AGE | 0.00 | 0.00 | 12.36 | 23.17 | 29.34 | 13.13 | 5.02 | 10.04 | 4.25 | 2.70 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 187.13 | 198.77 | 211.45 | 217.94 | 224.38 | 229.69 | 229.91 | 240.57 | 211.62 | 210.56 |
| - STD. DEV. | 0.00 | 0.00 | 8.72 | 9.69 | 11.80 | 11.06 | 13.44 | 13.61 | 14.64 | 12.14 | 17.26 | 17.78 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 81.34 | 108.22 | 151.18 | 153.59 | 163.00 | 182.50 | 195.18 | 200.57 | 143.32 | 140.29 |
| - STD. DEV. | 0.00 | 0.00 | 11.68 | 21.68 | 33.65 | 36.53 | 33.80 | 39.88 | 32.84 | 37.02 | 43.27 | 45.12 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|-------|-------|------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 4 | 51 | 80 | 21 | 5 | 133 | 0 | 2 |
| % AT STAGE | 0.00 | 1.35 | 17.23 | 27.03 | 7.09 | 1.69 | 44.93 | 0.00 | 0.68 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 89 | 4 | 61 | 154 |
| % | 57.79 | 2.60 | 39.61 | 100.00 |
| % SAMPLE WEIGHT | 7.52 | 0.49 | 0.53 | 8.54 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 140 | 154 | 2 | 296 |
| % | 47.30 | 52.03 | 0.68 | 100.00 |
| MEAN WEIGHT | 133.32 | 147.20 | 96.00 | 140.29 |
| % SAMP. WT. | 44.95 | 54.59 | 0.46 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 133,304

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 13/83 - MAR 18/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 10 | 41 | 42 | 42 | 19 | 6 | 6 | 5 | 0 | 27 | 198 |
| % AT AGE | 0.00 | 5.85 | 23.98 | 24.56 | 24.56 | 11.11 | 3.51 | 3.51 | 2.92 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 160.90 | 186.32 | 198.00 | 210.83 | 217.37 | 217.50 | 232.83 | 231.40 | 0.00 | 200.33 | 201.10 |
| - STD. DEV. | 0.00 | 6.44 | 9.64 | 9.56 | 8.73 | 11.60 | 9.93 | 13.12 | 12.22 | 0.00 | 17.90 | 18.91 |
| WEIGHT - MEAN(gm) | 0.00 | 54.50 | 84.07 | 103.52 | 135.45 | 132.26 | 134.50 | 208.50 | 176.80 | 0.00 | 111.85 | 113.66 |
| - STD. DEV. | 0.00 | 8.15 | 16.52 | 16.94 | 27.86 | 31.92 | 22.35 | 34.26 | 45.30 | 0.00 | 44.38 | 40.27 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 1 | 14 | 32 | 42 | 5 | 102 | 0 | 2 |
| % AT STAGE | 0.00 | 0.51 | 7.07 | 16.16 | 21.21 | 2.53 | 51.52 | 0.00 | 1.01 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 22 | 8 | 50 | 80 |
| % | 27.50 | 10.00 | 62.50 | 100.00 |
| % SAMPLE WEIGHT | 3.67 | 1.65 | 0.99 | 6.30 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 116 | 80 | 2 | 198 |
| % | 58.59 | 40.40 | 1.01 | 100.00 |
| MEAN WEIGHT | 120.46 | 105.28 | 54.50 | 113.66 |
| % SAMP. WT. | 62.09 | 37.42 | 0.48 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 172 - NANOOSE BAY

SAMPLE NUMBERS: 81

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 24 DATE: DEC 8/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|------|------|------|------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 81 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 100 |
| % AT AGE | 0.00 | 88.04 | 9.78 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 145.33 | 160.33 | 186.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 148.00 | 147.71 |
| - STD. DEV. | 0.00 | 5.72 | 7.21 | 4.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.09 | 9.12 |
| WEIGHT - MEAN (gm) | 0.00 | 49.83 | 67.22 | 87.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.13 | 53.37 |
| - STD. DEV. | 0.00 | 6.87 | 6.48 | 9.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.61 | 13.94 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|------|-------|------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 6 | 89 | 5 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 6.00 | 89.00 | 5.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | | | | | SEX RATIO: ===== | | | | |
|---------------------------------|----------|--------|-------|--------|---------------------|-------|--------|----------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 54 | 0 | 0 | 54 | NO. | 46 | 54 | 0 | 100 |
| % | 100.00 | 0.00 | 0.00 | 100.00 | % | 46.00 | 54.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 | MEAN WEIGHT | 53.54 | 53.22 | 0.00 | 53.37 |
| | | | | | % SAMP. WT. | 46.15 | 53.85 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 172 - NANOOSE BAY

SAMPLE NUMBERS: 58

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 35 DATE: FEB 26/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|------|------|------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 10 | 51 | 25 | 8 | 0 | 0 | 0 | 0 | 0 | 6 | 100 |
| % AT AGE | 0.00 | 10.64 | 54.26 | 26.60 | 8.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 161.40 | 181.65 | 201.16 | 208.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 186.33 | 186.91 |
| - STD. DEV. | 0.00 | 7.31 | 10.92 | 9.10 | 11.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 18.96 | 16.76 |
| WEIGHT - MEAN(gm) | 0.00 | 60.60 | 92.69 | 123.04 | 139.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 102.00 | 101.35 |
| - STD. DEV. | 0.00 | 10.16 | 14.28 | 22.51 | 20.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.31 | 27.61 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 3 | 29 | 67 | 1 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 3.00 | 29.00 | 67.00 | 1.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 29 | 17 | 0 | 46 |
| % | 63.04 | 36.96 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 11.59 | 12.11 | 0.00 | 23.70 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 54 | 46 | 0 | 100 |
| % | 54.00 | 46.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 99.30 | 103.76 | 0.00 | 101.35 |
| % SAMP. WT. | 52.91 | 47.09 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 172 - NANOOSE BAY

SAMPLE NUMBERS: 149,233,116,296,146, 59,377,100, 74,378,
 103,297,389, 43,108,226, 57,109,391

SOURCE: PRE-FISHERY CHARTER
 ROE FISHERY

GEAR: HERRING SEINE

WEEK: 36 DATE: MAR 1/83 - MAR 4/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 158 | 528 | 490 | 256 | 120 | 40 | 25 | 17 | 2 | 231 | 1867 |
| % AT AGE | 0.00 | 9.66 | 32.27 | 29.95 | 15.65 | 7.33 | 2.44 | 1.53 | 1.04 | 0.12 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 159.32 | 182.13 | 198.30 | 207.27 | 215.48 | 220.48 | 225.28 | 228.47 | 232.50 | 196.53 | 193.69 |
| - STD. DEV. | 0.00 | 8.81 | 10.64 | 10.89 | 10.19 | 9.60 | 12.30 | 10.13 | 12.98 | 6.36 | 16.65 | 19.27 |
| WEIGHT - MEAN(gm) | 0.00 | 57.70 | 87.69 | 117.56 | 137.26 | 155.00 | 171.73 | 178.40 | 183.59 | 186.00 | 112.53 | 111.18 |
| - STD. DEV. | 0.00 | 9.01 | 15.53 | 20.56 | 21.78 | 20.06 | 26.85 | 17.77 | 23.34 | 19.80 | 31.28 | 35.21 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 9 | 0 | 11 | 381 | 1114 | 271 | 81 | 0 | 0 |
| % AT STAGE | 0.48 | 0.00 | 0.59 | 20.41 | 59.67 | 14.52 | 4.34 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | | | | | SEX RATIO: ===== | | | | |
|---------------------------------|----------|--------|-------|--------|---------------------|--------|--------|----------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 267 | 600 | 38 | 905 | NO. | 962 | 905 | 0 | 1867 |
| % | 29.50 | 66.30 | 4.20 | 100.00 | % | 51.53 | 48.47 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 4.50 | 19.35 | 0.07 | 23.91 | MEAN WEIGHT | 107.09 | 115.53 | 0.00 | 111.18 |
| | | | | | % SAMP. WT. | 49.63 | 50.37 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 173 - YELLOW POINT

SAMPLE NUMBERS: 26, 32

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 20 DATE: NOV 9/82

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 10 | 69 | 54 | 17 | 8 | 2 | 2 | 0 | 0 | 37 | 199 |
| % AT AGE | 0.00 | 6.17 | 42.59 | 33.33 | 10.49 | 4.94 | 1.23 | 1.23 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 164.30 | 182.99 | 201.09 | 205.12 | 217.00 | 213.00 | 230.00 | 0.00 | 0.00 | 192.05 | 192.68 |
| - STD. DEV. | 0.00 | 8.27 | 8.13 | 8.90 | 10.73 | 3.78 | 5.66 | 8.49 | 0.00 | 0.00 | 18.55 | 16.37 |
| WEIGHT - MEAN (gm) | 0.00 | 73.50 | 105.90 | 139.91 | 152.94 | 186.88 | 164.50 | 220.00 | 0.00 | 0.00 | 126.00 | 126.25 |
| - STD. DEV. | 0.00 | 11.58 | 16.01 | 20.55 | 23.67 | 18.06 | 36.06 | 1.41 | 0.00 | 0.00 | 36.11 | 34.01 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 2 | 136 | 61 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 1.01 | 68.34 | 30.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 84 | 0 | 0 | 84 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 115 | 84 | 0 | 199 |
| % | 57.79 | 42.21 | 0.00 | 100.00 |
| MEAN WEIGHT | 125.10 | 127.82 | 0.00 | 126.25 |
| % SAMP. WT. | 57.26 | 42.74 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 173 - YELLOW POINT

SAMPLE NUMBERS: 29, 54, 3, 23, 58, 27, 22

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 21 DATE: NOV 15/82 - NOV 19/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 43 | 299 | 121 | 52 | 19 | 8 | 5 | 2 | 0 | 143 | 692 |
| % AT AGE | 0.00 | 7.83 | 54.46 | 22.04 | 9.47 | 3.46 | 1.46 | 0.91 | 0.36 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 159.79 | 182.07 | 196.43 | 205.77 | 211.58 | 218.13 | 224.80 | 223.00 | 0.00 | 190.38 | 188.35 |
| - STD. DEV. | 0.00 | 8.91 | 8.90 | 10.21 | 7.68 | 8.10 | 7.10 | 8.64 | 8.49 | 0.00 | 14.21 | 15.72 |
| WEIGHT - MEAN(gm) | 0.00 | 69.28 | 102.30 | 129.63 | 149.42 | 166.95 | 179.38 | 185.40 | 202.50 | 0.00 | 116.70 | 115.10 |
| - STD. DEV. | 0.00 | 13.34 | 14.84 | 20.39 | 16.65 | 20.51 | 19.53 | 14.98 | 0.71 | 0.00 | 26.34 | 29.40 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 2 | 31 | 467 | 192 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.29 | 4.48 | 67.49 | 27.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 352 | 0 | 0 | 352 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 340 | 352 | 0 | 692 |
| % | 49.13 | 50.87 | 0.00 | 100.00 |
| MEAN WEIGHT | 113.97 | 116.19 | 0.00 | 115.10 |
| % SAMP. WT. | 48.65 | 51.35 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK

=====

SECTION: 173 - YELLOW POINT

SAMPLE NUMBERS: 67, 25, 15

SOURCE: RESEARCH - INSHORE
FOOD FISHERY

GEAR: HERRING SEINE

WEEK: 22 DATE: NOV 22/82 - NOV 25/82

SPECIMENS AT EACH AGE:

=====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 45 | 59 | 40 | 26 | 6 | 8 | 9 | 2 | 77 | 272 |
| % AT AGE | 0.00 | 0.00 | 23.08 | 30.26 | 20.51 | 13.33 | 3.08 | 4.10 | 4.62 | 1.03 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 183.98 | 199.69 | 206.85 | 215.92 | 224.50 | 226.25 | 229.78 | 230.00 | 199.44 | 202.17 |
| - STD. DEV. | 0.00 | 0.00 | 9.55 | 8.28 | 9.24 | 8.72 | 6.53 | 4.95 | 10.54 | 0.00 | 16.62 | 16.43 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 102.02 | 132.12 | 150.13 | 166.73 | 187.17 | 199.00 | 213.00 | 197.50 | 133.39 | 139.79 |
| - STD. DEV. | 0.00 | 0.00 | 15.01 | 19.28 | 18.99 | 18.45 | 11.21 | 17.84 | 25.96 | 33.23 | 33.51 | 35.37 |

HJORT MATURITY STAGES:

=====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 3 | 116 | 153 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 1.10 | 42.65 | 56.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 137 | 0 | 0 | 137 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:

=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 135 | 137 | 0 | 272 |
| % | 49.63 | 50.37 | 0.00 | 100.00 |
| MEAN WEIGHT | 137.86 | 141.70 | 0.00 | 139.79 |
| % SAMP. WT. | 48.95 | 51.05 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 173 - YELLOW POINT

SAMPLE NUMBERS: 33, 38, 47, 52, 64, 28, 55

SOURCE: FOOD FISHERY
 RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 23 DATE: NOV 29/82 - DEC 1/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 12 | 225 | 146 | 67 | 46 | 10 | 6 | 1 | 0 | 180 | 693 |
| % AT AGE | 0.00 | 2.34 | 43.86 | 28.46 | 13.06 | 8.97 | 1.95 | 1.17 | 0.19 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 159.17 | 182.66 | 201.33 | 209.42 | 215.20 | 222.60 | 228.83 | 242.00 | 0.00 | 198.25 | 196.04 |
| - STD. DEV. | 0.00 | 4.65 | 10.82 | 9.98 | 7.89 | 8.97 | 6.75 | 8.35 | 0.00 | 0.00 | 16.06 | 17.08 |
| WEIGHT - MEAN (gm) | 0.00 | 69.33 | 105.12 | 134.42 | 152.97 | 164.41 | 185.70 | 190.67 | 215.00 | 0.00 | 128.20 | 127.29 |
| - STD. DEV. | 0.00 | 7.88 | 15.37 | 19.33 | 17.98 | 20.58 | 15.51 | 19.11 | 0.00 | 0.00 | 30.38 | 30.63 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 5 | 327 | 358 | 3 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.72 | 47.19 | 51.66 | 0.43 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 336 | 0 | 0 | 336 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 357 | 336 | 0 | 693 |
| % | 51.52 | 48.48 | 0.00 | 100.00 |
| MEAN WEIGHT | 125.81 | 128.86 | 0.00 | 127.29 |
| % SAMP. WT. | 50.92 | 49.08 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 173 - YELLOW POINT

SAMPLE NUMBERS: 83, 66, 79, 80

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 24 DATE: DEC 7/82 - DEC 8/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 5 | 116 | 106 | 37 | 15 | 4 | 4 | 0 | 0 | 111 | 398 |
| % AT AGE | 0.00 | 1.74 | 40.42 | 36.93 | 12.89 | 5.23 | 1.39 | 1.39 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 165.80 | 183.82 | 198.62 | 207.65 | 218.13 | 216.25 | 222.00 | 0.00 | 0.00 | 194.33 | 194.69 |
| - STD. DEV. | 0.00 | 7.36 | 8.07 | 7.79 | 9.48 | 6.64 | 11.81 | 12.70 | 0.00 | 0.00 | 13.47 | 13.98 |
| WEIGHT - MEAN (gm) | 0.00 | 73.80 | 102.40 | 130.22 | 145.78 | 173.87 | 170.25 | 175.00 | 0.00 | 0.00 | 120.36 | 122.60 |
| - STD. DEV. | 0.00 | 7.12 | 11.26 | 18.75 | 21.32 | 21.84 | 31.31 | 34.77 | 0.00 | 0.00 | 27.27 | 27.87 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 2 | 115 | 250 | 31 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.50 | 28.89 | 62.81 | 7.79 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 199 | 0 | 0 | 199 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 199 | 199 | 0 | 398 |
| % | 50.00 | 50.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 120.01 | 125.18 | 0.00 | 122.60 |
| % SAMP. WT. | 48.95 | 51.05 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 173 - YELLOW POINT

SAMPLE NUMBERS: 34, 46, 23

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 35 DATE: FEB 22/83 - FEB 26/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 16 | 83 | 80 | 42 | 20 | 2 | 9 | 0 | 0 | 46 | 298 |
| % AT AGE | 0.00 | 6.35 | 32.94 | 31.75 | 16.67 | 7.94 | 0.79 | 3.57 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 158.44 | 178.92 | 195.69 | 205.74 | 216.50 | 223.50 | 224.89 | 0.00 | 0.00 | 192.57 | 192.42 |
| - STD. DEV. | 0.00 | 8.31 | 10.71 | 12.13 | 9.36 | 10.90 | 0.71 | 13.03 | 0.00 | 0.00 | 14.84 | 18.72 |
| WEIGHT - MEAN(gm) | 0.00 | 58.94 | 90.87 | 121.60 | 145.74 | 163.45 | 172.00 | 186.78 | 0.00 | 0.00 | 115.00 | 117.17 |
| - STD. DEV. | 0.00 | 8.09 | 13.64 | 21.31 | 21.93 | 22.90 | 28.28 | 27.13 | 0.00 | 0.00 | 27.91 | 34.99 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 2 | 160 | 118 | 18 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.67 | 53.69 | 39.60 | 6.04 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 94 | 46 | 0 | 140 |
| % | 67.14 | 32.86 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 13.45 | 9.57 | 0.00 | 23.02 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 158 | 140 | 0 | 298 |
| % | 53.02 | 46.98 | 0.00 | 100.00 |
| MEAN WEIGHT | 108.81 | 126.61 | 0.00 | 117.17 |
| % SAMP. WT. | 49.24 | 50.76 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 173 - YELLOW POINT

SAMPLE NUMBERS: 84,199

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 36 DATE: FEB 27/83 - MAR 4/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 4 | 60 | 51 | 30 | 19 | 5 | 4 | 2 | 0 | 25 | 200 |
| % AT AGE | 0.00 | 2.29 | 34.29 | 29.14 | 17.14 | 10.86 | 2.86 | 2.29 | 1.14 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 161.75 | 181.32 | 195.90 | 203.83 | 209.05 | 217.60 | 225.75 | 234.50 | 0.00 | 195.24 | 194.73 |
| - STD. DEV. | 0.00 | 8.66 | 9.91 | 8.06 | 8.77 | 9.63 | 7.16 | 7.23 | 0.71 | 0.00 | 11.63 | 15.53 |
| WEIGHT - MEAN(gm) | 0.00 | 63.25 | 91.22 | 116.39 | 132.63 | 148.26 | 162.00 | 178.50 | 202.50 | 0.00 | 115.40 | 116.36 |
| - STD. DEV. | 0.00 | 9.36 | 15.97 | 14.06 | 18.39 | 22.39 | 15.75 | 9.33 | 9.19 | 0.00 | 23.68 | 29.74 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 2 | 74 | 115 | 9 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 1.00 | 37.00 | 57.50 | 4.50 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 55 | 48 | 0 | 103 |
| % | 53.40 | 46.60 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 12.10 | 11.93 | 0.00 | 24.03 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 97 | 103 | 0 | 200 |
| % | 48.50 | 51.50 | 0.00 | 100.00 |
| MEAN WEIGHT | 112.96 | 119.56 | 0.00 | 116.36 |
| % SAMP. WT. | 47.08 | 52.92 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 173 - YELLOW POINT

SAMPLE NUMBERS: 220, 94, 154

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 11/83 - MAR 12/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 19 | 92 | 65 | 43 | 22 | 5 | 9 | 2 | 1 | 42 | 300 |
| % AT AGE | 0.00 | 7.36 | 35.66 | 25.19 | 16.67 | 8.53 | 1.94 | 3.49 | 0.78 | 0.39 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 164.37 | 186.85 | 200.51 | 209.35 | 218.00 | 227.60 | 223.67 | 229.50 | 249.00 | 198.07 | 197.74 |
| - STD. DEV. | 0.00 | 7.43 | 10.66 | 9.16 | 7.65 | 6.65 | 14.60 | 12.98 | 2.12 | 0.00 | 14.20 | 17.65 |
| WEIGHT - MEAN(gm) | 0.00 | 60.37 | 90.63 | 115.08 | 131.05 | 150.86 | 166.60 | 159.33 | 203.00 | 198.00 | 109.12 | 111.24 |
| - STD. DEV. | 0.00 | 7.90 | 17.86 | 20.49 | 18.25 | 19.71 | 28.25 | 26.71 | 2.83 | 0.00 | 34.17 | 33.59 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 10 | 212 | 30 | 48 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 3.33 | 70.67 | 10.00 | 16.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 4 | 138 | 25 | 167 |
| % | 2.40 | 82.63 | 14.97 | 100.00 |
| % SAMPLE WEIGHT | 0.73 | 15.82 | 0.08 | 16.64 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 133 | 167 | 0 | 300 |
| % | 44.33 | 55.67 | 0.00 | 100.00 |
| MEAN WEIGHT | 104.55 | 116.57 | 0.00 | 111.24 |
| % SAMP. WT. | 41.67 | 58.33 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK

SECTION: 173 - YELLOW POINT

SAMPLE NUMBERS: 229

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 14/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 2 | 34 | 24 | 19 | 3 | 4 | 1 | 0 | 0 | 11 | 98 |
| % AT AGE | 0.00 | 2.30 | 39.08 | 27.59 | 21.84 | 3.45 | 4.60 | 1.15 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 164.00 | 187.15 | 200.21 | 208.79 | 215.33 | 218.75 | 230.00 | 0.00 | 0.00 | 198.64 | 197.95 |
| - STD. DEV. | 0.00 | 2.83 | 9.35 | 9.27 | 12.09 | 6.66 | 6.50 | 0.00 | 0.00 | 0.00 | 14.88 | 15.14 |
| WEIGHT - MEAN(gm) | 0.00 | 45.50 | 75.09 | 90.46 | 105.05 | 111.00 | 117.00 | 126.00 | 0.00 | 0.00 | 92.09 | 89.30 |
| - STD. DEV. | 0.00 | 0.71 | 10.80 | 13.33 | 17.26 | 16.09 | 14.05 | 0.00 | 0.00 | 0.00 | 29.38 | 21.40 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 0 | 3 | 1 | 94 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.00 | 3.06 | 1.02 | 95.92 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 0 | 1 | 33 | 34 |
| % | 0.00 | 2.94 | 97.06 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 1.76 | 2.07 | 3.83 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 64 | 34 | 0 | 98 |
| % | 65.31 | 34.69 | 0.00 | 100.00 |
| MEAN WEIGHT | 86.16 | 95.21 | 0.00 | 89.30 |
| % SAMP. WT. | 63.01 | 36.99 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK

=====

SECTION: 181 - OTHER AREA 18

SAMPLE NUMBERS: 21

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 35 DATE: FEB 25/83

SPECIMENS AT EACH AGE:

=====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 21 | 16 | 16 | 13 | 2 | 3 | 5 | 0 | 23 | 99 |
| % AT AGE | 0.00 | 0.00 | 27.63 | 21.05 | 21.05 | 17.11 | 2.63 | 3.95 | 6.58 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 188.29 | 205.00 | 210.06 | 218.85 | 221.00 | 231.00 | 236.60 | 0.00 | 208.57 | 207.63 |
| - STD. DEV. | 0.00 | 0.00 | 6.09 | 7.17 | 7.52 | 7.16 | 4.24 | 3.61 | 12.42 | 0.00 | 18.62 | 16.65 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 98.05 | 126.63 | 138.63 | 154.77 | 158.00 | 166.00 | 192.60 | 0.00 | 133.65 | 132.99 |
| - STD. DEV. | 0.00 | 0.00 | 11.39 | 17.44 | 20.91 | 18.62 | 21.21 | 11.53 | 31.35 | 0.00 | 35.32 | 32.77 |

HJORT MATURITY STAGES:

=====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 63 | 36 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 63.64 | 36.36 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 38 | 4 | 0 | 42 |
| % | 90.48 | 9.52 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 20.27 | 2.72 | 0.00 | 22.99 |

SEX RATIO:

=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 57 | 42 | 0 | 99 |
| % | 57.58 | 42.42 | 0.00 | 100.00 |
| MEAN WEIGHT | 130.39 | 136.52 | 0.00 | 132.99 |
| % SAMP. WT. | 56.45 | 43.55 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 181 - OTHER AREA 18

SAMPLE NUMBERS: 121,219,143

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 10/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 12 | 80 | 95 | 35 | 14 | 8 | 6 | 2 | 1 | 42 | 295 |
| % AT AGE | 0.00 | 4.74 | 31.62 | 37.55 | 13.83 | 5.53 | 3.16 | 2.37 | 0.79 | 0.40 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 164.25 | 186.29 | 199.24 | 206.14 | 212.29 | 218.88 | 223.50 | 229.50 | 232.00 | 194.69 | 196.44 |
| - STD. DEV. | 0.00 | 8.70 | 9.10 | 9.52 | 9.80 | 10.28 | 6.42 | 14.20 | 7.78 | 0.00 | 16.22 | 15.75 |
| WEIGHT - MEAN(gm) | 0.00 | 60.17 | 79.34 | 96.93 | 107.31 | 118.14 | 132.88 | 144.17 | 148.00 | 152.00 | 92.48 | 94.74 |
| - STD. DEV. | 0.00 | 9.58 | 9.96 | 12.76 | 14.16 | 16.27 | 10.12 | 25.86 | 19.80 | 0.00 | 21.89 | 21.89 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 2 | 0 | 0 | 5 | 16 | 4 | 267 | 0 | 1 |
| % AT STAGE | 0.68 | 0.00 | 0.00 | 1.69 | 5.42 | 1.36 | 90.51 | 0.00 | 0.34 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 6 | 3 | 116 | 125 |
| % | 4.80 | 2.40 | 92.80 | 100.00 |
| % SAMPLE WEIGHT | 0.57 | 0.32 | 2.01 | 2.91 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 169 | 125 | 1 | 295 |
| % | 57.29 | 42.37 | 0.34 | 100.00 |
| MEAN WEIGHT | 93.92 | 96.22 | 48.00 | 94.74 |
| % SAMP. WT. | 56.79 | 43.04 | 0.17 | 100.00 |

1213

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 183 - PLUMPER SOUND

SAMPLE NUMBERS: 22

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 35 DATE: FEB 24/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 1 | 18 | 21 | 13 | 15 | 6 | 1 | 4 | 0 | 21 | 100 |
| % AT AGE | 0.00 | 1.27 | 22.78 | 26.58 | 16.46 | 18.99 | 7.59 | 1.27 | 5.06 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 169.00 | 182.78 | 199.57 | 212.08 | 219.60 | 225.67 | 234.00 | 229.25 | 0.00 | 202.14 | 204.51 |
| - STD. DEV. | 0.00 | 0.00 | 10.44 | 9.47 | 7.78 | 10.27 | 9.18 | 0.00 | 8.34 | 0.00 | 18.14 | 18.43 |
| WEIGHT - MEAN(gm) | 0.00 | 74.00 | 92.61 | 119.48 | 148.00 | 163.13 | 167.83 | 196.00 | 189.50 | 0.00 | 125.19 | 132.11 |
| - STD. DEV. | 0.00 | 0.00 | 13.11 | 19.00 | 21.62 | 24.12 | 28.88 | 0.00 | 23.56 | 0.00 | 35.17 | 36.64 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 1 | 4 | 87 | 8 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 1.00 | 4.00 | 87.00 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 47 | 3 | 0 | 50 |
| % | 94.00 | 6.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 18.53 | 1.91 | 0.00 | 20.44 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 50 | 50 | 0 | 100 |
| % | 50.00 | 50.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 133.22 | 131.00 | 0.00 | 132.11 |
| % SAMP. WT. | 50.42 | 49.58 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 183 - PLUMPER SOUND

SAMPLE NUMBERS: 134

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 16/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 2 | 26 | 35 | 10 | 4 | 0 | 3 | 1 | 0 | 17 | 98 |
| % AT AGE | 0.00 | 2.47 | 32.10 | 43.21 | 12.35 | 4.94 | 0.00 | 3.70 | 1.23 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 174.50 | 189.00 | 199.46 | 208.80 | 214.50 | 0.00 | 222.33 | 235.00 | 0.00 | 196.12 | 198.22 |
| - STD. DEV. | 0.00 | 3.54 | 8.82 | 8.64 | 5.43 | 5.74 | 0.00 | 12.01 | 0.00 | 0.00 | 12.72 | 13.04 |
| WEIGHT - MEAN(gm) | 0.00 | 64.00 | 79.42 | 95.43 | 104.20 | 120.75 | 0.00 | 124.33 | 151.00 | 0.00 | 90.88 | 93.13 |
| - STD. DEV. | 0.00 | 7.07 | 10.46 | 10.12 | 8.05 | 13.15 | 0.00 | 15.89 | 0.00 | 0.00 | 13.27 | 17.02 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 1 | 2 | 1 | 94 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 1.02 | 2.04 | 1.02 | 95.92 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 0 | 1 | 44 | 45 |
| % | 0.00 | 2.22 | 97.78 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.47 | 1.94 | 2.40 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 53 | 45 | 0 | 98 |
| % | 54.08 | 45.92 | 0.00 | 100.00 |
| MEAN WEIGHT | 91.34 | 95.24 | 0.00 | 93.13 |
| % SAMP. WT. | 53.04 | 46.96 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 191 - OTHER AREA 19

SAMPLE NUMBERS: 53, 56, 50, 48

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 22 DATE: NOV 24/82 - NOV 26/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 18 | 114 | 90 | 33 | 10 | 5 | 3 | 3 | 0 | 123 | 399 |
| % AT AGE | 0.00 | 6.52 | 41.30 | 32.61 | 11.96 | 3.62 | 1.81 | 1.09 | 1.09 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 163.94 | 184.54 | 196.54 | 207.58 | 216.60 | 226.40 | 229.00 | 223.33 | 0.00 | 193.59 | 192.97 |
| - STD. DEV. | 0.00 | 9.08 | 9.57 | 10.49 | 10.07 | 9.77 | 5.41 | 2.65 | 6.43 | 0.00 | 13.71 | 15.70 |
| WEIGHT - MEAN (gm) | 0.00 | 69.61 | 100.26 | 121.52 | 147.85 | 171.80 | 198.00 | 189.00 | 193.00 | 0.00 | 116.66 | 117.05 |
| - STD. DEV. | 0.00 | 11.77 | 16.28 | 22.22 | 23.15 | 21.59 | 16.08 | 17.35 | 24.98 | 0.00 | 27.19 | 31.38 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 32 | 251 | 116 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 8.02 | 62.91 | 29.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 203 | 0 | 0 | 203 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 196 | 203 | 0 | 399 |
| % | 49.12 | 50.88 | 0.00 | 100.00 |
| MEAN WEIGHT | 112.17 | 121.75 | 0.00 | 117.05 |
| % SAMP. WT. | 47.08 | 52.92 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 231 - OTHER AREA 23

SAMPLE NUMBERS: 171,248

SOURCE: PRE-FISHERY CHARTER
 ROE FISHERY

GEAR: HERRING SEINE

WEEK: 36 DATE: FEB 27/83 - MAR 1/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 5 | 44 | 46 | 50 | 22 | 6 | 7 | 1 | 1 | 18 | 200 |
| % AT AGE | 0.00 | 2.75 | 24.18 | 25.27 | 27.47 | 12.09 | 3.30 | 3.85 | 0.55 | 0.55 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 166.00 | 189.55 | 203.83 | 212.80 | 217.18 | 225.17 | 224.57 | 224.00 | 236.00 | 202.11 | 204.93 |
| - STD. DEV. | 0.00 | 12.88 | 8.17 | 9.52 | 8.09 | 7.03 | 5.42 | 6.40 | 0.00 | 0.00 | 16.99 | 15.57 |
| WEIGHT - MEAN(gm) | 0.00 | 63.00 | 99.02 | 126.20 | 148.28 | 160.45 | 186.67 | 172.71 | 176.00 | 213.00 | 129.61 | 132.36 |
| - STD. DEV. | 0.00 | 17.29 | 13.38 | 21.28 | 18.18 | 13.97 | 17.73 | 22.57 | 0.00 | 0.00 | 36.80 | 33.22 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 6 | 116 | 78 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 3.00 | 58.00 | 39.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 === =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 3 | 102 | 0 | 105 |
| % | 2.86 | 97.14 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.55 | 28.55 | 0.00 | 29.10 |

SEX RATIO:
 === =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 95 | 105 | 0 | 200 |
| % | 47.50 | 52.50 | 0.00 | 100.00 |
| MEAN WEIGHT | 127.63 | 136.64 | 0.00 | 132.36 |
| % SAMP. WT. | 45.80 | 54.20 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 231 - OTHER AREA 23

SAMPLE NUMBERS: 167

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 11/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 9 | 23 | 19 | 14 | 9 | 4 | 0 | 1 | 21 | 100 |
| % AT AGE | 0.00 | 0.00 | 11.39 | 29.11 | 24.05 | 17.72 | 11.39 | 5.06 | 0.00 | 1.27 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 182.00 | 196.61 | 207.79 | 217.93 | 225.56 | 229.25 | 0.00 | 237.00 | 200.00 | 205.43 |
| - STD. DEV. | 0.00 | 0.00 | 15.63 | 9.64 | 10.02 | 6.99 | 7.30 | 5.56 | 0.00 | 0.00 | 12.89 | 16.46 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 84.56 | 110.09 | 129.47 | 157.36 | 169.00 | 167.25 | 0.00 | 169.00 | 115.00 | 127.30 |
| - STD. DEV. | 0.00 | 0.00 | 24.35 | 17.96 | 18.94 | 21.62 | 18.67 | 18.12 | 0.00 | 0.00 | 30.61 | 33.31 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 2 | 67 | 29 | 2 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 2.00 | 67.00 | 29.00 | 2.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 1 | 51 | 0 | 52 |
| % | 1.92 | 98.08 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.14 | 31.50 | 0.00 | 31.64 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 48 | 52 | 0 | 100 |
| % | 48.00 | 52.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 118.04 | 135.85 | 0.00 | 127.30 |
| % SAMP. WT. | 44.51 | 55.49 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 232 - MACOAH PASS

SAMPLE NUMBERS: 293,240

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 35 DATE: FEB 24/83 - FEB 26/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 3 | 22 | 47 | 42 | 27 | 8 | 8 | 2 | 3 | 31 | 193 |
| % AT AGE | 0.00 | 1.85 | 13.58 | 29.01 | 25.93 | 16.67 | 4.94 | 4.94 | 1.23 | 1.85 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 166.00 | 187.05 | 200.47 | 207.26 | 221.78 | 222.00 | 230.00 | 236.50 | 238.00 | 204.03 | 206.51 |
| - STD. DEV. | 0.00 | 7.81 | 11.05 | 9.16 | 8.79 | 8.35 | 6.82 | 9.49 | 2.12 | 6.08 | 16.34 | 16.64 |
| WEIGHT - MEAN (gm) | 0.00 | 63.33 | 95.73 | 120.06 | 139.36 | 173.41 | 179.50 | 181.00 | 203.50 | 213.00 | 132.16 | 137.31 |
| - STD. DEV. | 0.00 | 10.21 | 18.02 | 17.20 | 21.05 | 24.81 | 17.53 | 21.35 | 12.02 | 28.83 | 35.05 | 36.72 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 32 | 120 | 41 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 16.58 | 62.18 | 21.24 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 28 | 68 | 0 | 96 |
| % | 29.17 | 70.83 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 6.02 | 23.06 | 0.00 | 29.08 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 97 | 96 | 0 | 193 |
| % | 50.26 | 49.74 | 0.00 | 100.00 |
| MEAN WEIGHT | 135.09 | 139.55 | 0.00 | 137.31 |
| % SAMP. WT. | 49.45 | 50.55 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 232 - MACOAH PASS

SAMPLE NUMBERS: 301,278, 53,280,271,251,225,361,252,406,
 51, 73,292

SOURCE: ROE FISHERY
 PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 36 DATE: FEB 27/83 - MAR 5/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 37 | 213 | 257 | 264 | 202 | 53 | 68 | 22 | 21 | 141 | 1278 |
| % AT AGE | 0.00 | 3.25 | 18.73 | 22.60 | 23.22 | 17.77 | 4.66 | 5.98 | 1.93 | 1.85 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 159.22 | 186.76 | 199.26 | 208.81 | 216.13 | 219.94 | 225.59 | 233.59 | 231.81 | 200.67 | 204.20 |
| - STD. DEV. | 0.00 | 7.27 | 8.83 | 9.18 | 9.81 | 8.62 | 11.57 | 10.20 | 8.06 | 8.98 | 16.61 | 17.63 |
| WEIGHT - MEAN (gm) | 0.00 | 58.22 | 98.14 | 122.94 | 143.79 | 158.93 | 168.77 | 180.06 | 203.00 | 189.38 | 125.63 | 134.64 |
| - STD. DEV. | 0.00 | 7.71 | 14.25 | 18.33 | 20.72 | 19.94 | 22.47 | 22.32 | 22.58 | 16.30 | 32.82 | 35.47 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 1 | 2 | 81 | 934 | 259 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.08 | 0.16 | 6.34 | 73.08 | 20.27 | 0.08 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | | | | MATURE | | | | SPENT | | | | TOTAL | | | | |
|------------|----------|-------|-----------------|--|--------|-------|-----------------|-----|-------|-----------------|-----|---|-----------------|--|------|--------|-----------------|
| | NO. | % | % SAMPLE WEIGHT | | NO. | % | % SAMPLE WEIGHT | NO. | % | % SAMPLE WEIGHT | NO. | % | % SAMPLE WEIGHT | | NO. | % | % SAMPLE WEIGHT |
| IMMATURE | 63 | 10.88 | 2.22 | | 516 | 89.12 | 27.14 | 0 | | | 579 | | | | 699 | 54.69 | 52.51 |
| MATURE | | | | | | | | | | | | | | | 579 | 45.31 | 47.49 |
| SPENT | | | | | | | | | | | | | | | 0 | 0.00 | 0.00 |
| TOTAL | | | | | | | | | | | | | | | 1278 | 100.00 | 100.00 |
| SEX RATIO: | | | | | | | | | | | | | | | | | |
| MALE | | | | | | | | | | | | | | | 699 | 54.69 | 52.51 |
| FEMALE | | | | | | | | | | | | | | | 579 | 45.31 | 47.49 |
| IMMATURE | | | | | | | | | | | | | | | 0 | 0.00 | 0.00 |
| TOTAL | | | | | | | | | | | | | | | 1278 | 100.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 232 - MACOAH PASS

SAMPLE NUMBERS: 166

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 6/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 18 | 30 | 18 | 12 | 10 | 0 | 3 | 0 | 0 | 9 | 100 |
| % AT AGE | 0.00 | 19.78 | 32.97 | 19.78 | 13.19 | 10.99 | 0.00 | 3.30 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 161.28 | 180.17 | 197.72 | 208.17 | 214.40 | 0.00 | 233.33 | 0.00 | 0.00 | 198.56 | 189.96 |
| - STD. DEV. | 0.00 | 5.90 | 10.59 | 9.38 | 6.94 | 5.15 | 0.00 | 1.53 | 0.00 | 0.00 | 16.30 | 20.91 |
| WEIGHT - MEAN(gm) | 0.00 | 61.06 | 92.43 | 129.61 | 149.08 | 164.60 | 0.00 | 204.67 | 0.00 | 0.00 | 133.11 | 114.52 |
| - STD. DEV. | 0.00 | 6.50 | 17.64 | 25.15 | 21.82 | 19.80 | 0.00 | 7.77 | 0.00 | 0.00 | 32.88 | 42.06 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 1 | 0 | 5 | 94 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 1.00 | 0.00 | 5.00 | 94.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 4 | 40 | 0 | 44 |
| % | 9.09 | 90.91 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 1.66 | 28.33 | 0.00 | 30.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 56 | 44 | 0 | 100 |
| % | 56.00 | 44.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 95.09 | 139.25 | 0.00 | 114.52 |
| % SAMP. WT. | 46.50 | 53.50 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 233 - MAYNE BAY

SAMPLE NUMBERS: 279

SOURCE: ROE FISHERY

GEAR: HERRING SEINE

WEEK: 36 DATE: MAR 1/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|------|--------|--------|--------|--------|------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 4 | 5 | 3 | 4 | 0 | 1 | 0 | 0 | 4 | 21 |
| % AT AGE | 0.00 | 0.00 | 23.53 | 29.41 | 17.65 | 23.53 | 0.00 | 5.88 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 191.25 | 196.80 | 209.67 | 221.75 | 0.00 | 235.00 | 0.00 | 0.00 | 207.75 | 206.24 |
| - STD. DEV. | 0.00 | 0.00 | 7.41 | 7.73 | 13.20 | 3.59 | 0.00 | 0.00 | 0.00 | 0.00 | 14.01 | 15.10 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 98.25 | 113.20 | 137.33 | 166.25 | 0.00 | 192.00 | 0.00 | 0.00 | 126.50 | 130.19 |
| - STD. DEV. | 0.00 | 0.00 | 16.19 | 9.81 | 20.55 | 8.62 | 0.00 | 0.00 | 0.00 | 0.00 | 28.07 | 31.11 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 0 | 11 | 10 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.00 | 52.38 | 47.62 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | IMMATURE MATURE SPENT TOTAL | | | |
|---------------------------------|-----------------------------|--------|------|--------|
| | NO. | 0 | 6 | 0 |
| % | 0.00 | 100.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 31.66 | 0.00 | 31.66 |

| SEX RATIO: ===== | MALE FEMALE IMMATURE TOTAL | | | |
|---------------------|----------------------------|--------|------|--------|
| | NO. | 15 | 6 | 0 |
| % | 71.43 | 28.57 | 0.00 | 100.00 |
| MEAN WEIGHT | 130.47 | 129.50 | 0.00 | 130.19 |
| % SAMP. WT. | 71.58 | 28.42 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 243 - SYDNEY INLET

SAMPLE NUMBERS: 42

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 35 DATE: FEB 26/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 5 | 25 | 23 | 14 | 22 | 2 | 5 | 0 | 0 | 2 | 98 |
| % AT AGE | 0.00 | 5.21 | 26.04 | 23.96 | 14.58 | 22.92 | 2.08 | 5.21 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 157.60 | 181.88 | 196.61 | 205.21 | 209.05 | 219.50 | 220.60 | 0.00 | 0.00 | 168.00 | 195.99 |
| - STD. DEV. | 0.00 | 9.61 | 9.05 | 9.20 | 6.62 | 6.11 | 0.71 | 4.51 | 0.00 | 0.00 | 11.31 | 17.22 |
| WEIGHT - MEAN (gm) | 0.00 | 61.20 | 93.44 | 121.09 | 138.71 | 148.55 | 163.00 | 168.80 | 0.00 | 0.00 | 71.50 | 121.94 |
| - STD. DEV. | 0.00 | 12.58 | 17.04 | 23.38 | 14.44 | 18.14 | 14.14 | 16.72 | 0.00 | 0.00 | 16.26 | 33.45 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 1 | 1 | 45 | 51 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 1.02 | 1.02 | 45.92 | 52.04 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 21 | 32 | 0 | 53 |
| % | 39.62 | 60.38 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 8.25 | 17.41 | 0.00 | 25.66 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 45 | 53 | 0 | 98 |
| % | 45.92 | 54.08 | 0.00 | 100.00 |
| MEAN WEIGHT | 117.64 | 125.58 | 0.00 | 121.94 |
| % SAMP. WT. | 44.30 | 55.70 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 243 - SYDNEY INLET

SAMPLE NUMBERS: 49,222,218

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 36 DATE: FEB 27/83 - MAR 5/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 29 | 95 | 40 | 41 | 31 | 10 | 14 | 2 | 0 | 36 | 298 |
| % AT AGE | 0.00 | 11.07 | 36.26 | 15.27 | 15.65 | 11.83 | 3.82 | 5.34 | 0.76 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 162.55 | 184.56 | 196.70 | 206.73 | 216.48 | 218.80 | 224.64 | 233.00 | 0.00 | 197.36 | 195.32 |
| - STD. DEV. | 0.00 | 7.37 | 9.54 | 8.75 | 10.06 | 8.12 | 10.72 | 8.43 | 1.41 | 0.00 | 18.14 | 19.64 |
| WEIGHT - MEAN(gm) | 0.00 | 65.21 | 90.20 | 112.40 | 132.85 | 151.97 | 160.70 | 170.21 | 182.00 | 0.00 | 115.83 | 112.88 |
| - STD. DEV. | 0.00 | 8.01 | 14.92 | 16.35 | 24.00 | 24.91 | 26.23 | 18.93 | 5.66 | 0.00 | 32.41 | 35.76 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 1 | 2 | 0 | 102 | 135 | 53 | 4 | 0 | 1 |
| % AT STAGE | 0.34 | 0.67 | 0.00 | 34.23 | 45.30 | 17.79 | 1.34 | 0.00 | 0.34 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 75 | 87 | 1 | 163 |
| % | 46.01 | 53.37 | 0.61 | 100.00 |
| % SAMPLE WEIGHT | 7.42 | 17.82 | 0.01 | 25.25 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 134 | 163 | 1 | 298 |
| % | 44.97 | 54.70 | 0.34 | 100.00 |
| MEAN WEIGHT | 115.40 | 111.09 | 67.00 | 112.88 |
| % SAMP. WT. | 45.97 | 53.83 | 0.20 | 100.00 |

224

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 244 - WHITEPINE COVE

SAMPLE NUMBERS: 48

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 35 DATE: FEB 26/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | |
|--------------------|------|--------|--------|--------|--------|--------|--------|------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 6 | 41 | 29 | 10 | 6 | 3 | 0 | 0 | 0 | 5 | 100 |
| % AT AGE | 0.00 | 6.32 | 43.16 | 30.53 | 10.53 | 6.32 | 3.16 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 163.83 | 187.17 | 192.72 | 214.90 | 220.67 | 222.33 | 0.00 | 0.00 | 0.00 | 208.20 | 194.27 |
| - STD. DEV. | 0.00 | 4.07 | 9.86 | 11.59 | 5.20 | 12.74 | 7.37 | 0.00 | 0.00 | 0.00 | 12.70 | 17.12 |
| WEIGHT - MEAN (gm) | 0.00 | 64.33 | 94.71 | 108.76 | 144.20 | 168.67 | 179.33 | 0.00 | 0.00 | 0.00 | 127.00 | 110.50 |
| - STD. DEV. | 0.00 | 5.43 | 18.18 | 22.40 | 11.48 | 29.62 | 25.93 | 0.00 | 0.00 | 0.00 | 22.43 | 32.83 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | |
| NO. AT STAGE | 0 | 1 | 1 | 67 | 30 | 1 | 0 | 0 | 0 | |
| % AT STAGE | 0.00 | 1.00 | 1.00 | 67.00 | 30.00 | 1.00 | 0.00 | 0.00 | 0.00 | |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 64 | 9 | 0 | 73 |
| % | 87.67 | 12.33 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 18.61 | 4.58 | 0.00 | 23.19 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 27 | 73 | 0 | 100 |
| % | 27.00 | 73.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 106.74 | 111.89 | 0.00 | 110.50 |
| % SAMP. WT. | 26.08 | 73.92 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 244 - WHITEPINE COVE

SAMPLE NUMBERS: 242

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 36 DATE: MAR 2/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 1 | 18 | 20 | 23 | 17 | 2 | 5 | 2 | 0 | 12 | 100 |
| % AT AGE | 0.00 | 1.14 | 20.45 | 22.73 | 26.14 | 19.32 | 2.27 | 5.68 | 2.27 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 165.00 | 186.67 | 200.00 | 210.26 | 219.88 | 235.00 | 225.80 | 217.50 | 0.00 | 202.83 | 205.67 |
| - STD. DEV. | 0.00 | 0.00 | 9.81 | 8.02 | 11.69 | 8.60 | 7.07 | 10.18 | 14.85 | 0.00 | 9.79 | 16.09 |
| WEIGHT - MEAN(gm) | 0.00 | 63.00 | 91.17 | 116.90 | 139.83 | 160.18 | 203.00 | 168.60 | 158.50 | 0.00 | 127.33 | 130.75 |
| - STD. DEV. | 0.00 | 0.00 | 19.09 | 18.95 | 25.16 | 19.11 | 16.97 | 30.04 | 34.65 | 0.00 | 20.97 | 34.12 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 1 | 13 | 83 | 3 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 1.00 | 13.00 | 83.00 | 3.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 13 | 42 | 0 | 55 |
| % | 23.64 | 76.36 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 3.68 | 24.10 | 0.00 | 27.78 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 45 | 55 | 0 | 100 |
| % | 45.00 | 55.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 127.53 | 133.38 | 0.00 | 130.75 |
| % SAMP. WT. | 43.89 | 56.11 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 245 - MEARES ISLAND

SAMPLE NUMBERS: 145,245

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 36 DATE: MAR 4/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 7 | 48 | 38 | 38 | 34 | 3 | 7 | 0 | 1 | 24 | 200 |
| % AT AGE | 0.00 | 3.98 | 27.27 | 21.59 | 21.59 | 19.32 | 1.70 | 3.98 | 0.00 | 0.57 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 159.71 | 185.44 | 198.29 | 206.21 | 215.50 | 216.00 | 230.71 | 0.00 | 243.00 | 201.08 | 200.24 |
| - STD. DEV. | 0.00 | 3.35 | 9.15 | 10.46 | 9.12 | 7.26 | 4.36 | 10.45 | 0.00 | 0.00 | 18.53 | 17.65 |
| WEIGHT - MEAN (gm) | 0.00 | 58.00 | 90.29 | 117.11 | 136.29 | 152.12 | 156.00 | 183.57 | 0.00 | 194.00 | 124.33 | 122.36 |
| - STD. DEV. | 0.00 | 3.11 | 16.10 | 21.39 | 21.49 | 17.80 | 17.35 | 19.39 | 0.00 | 0.00 | 34.75 | 34.66 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 0 | 0 | 12 | 171 | 17 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 6.00 | 85.50 | 8.50 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 7 | 85 | 0 | 92 |
| % | 7.61 | 92.39 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 1.38 | 28.04 | 0.00 | 29.42 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 108 | 92 | 0 | 200 |
| % | 54.00 | 46.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 113.60 | 132.64 | 0.00 | 122.36 |
| % SAMP. WT. | 50.13 | 49.87 | 0.00 | 100.00 |

227

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 245 - MEARES ISLAND

SAMPLE NUMBERS: 105, 79,238, 77

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 7/83 - MAR 12/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 13 | 95 | 83 | 83 | 58 | 15 | 23 | 4 | 2 | 22 | 398 |
| % AT AGE | 0.00 | 3.46 | 25.27 | 22.07 | 22.07 | 15.43 | 3.99 | 6.12 | 1.06 | 0.53 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 159.38 | 181.45 | 196.00 | 210.11 | 215.29 | 221.33 | 228.17 | 230.75 | 229.00 | 199.64 | 200.62 |
| - STD. DEV. | 0.00 | 6.84 | 12.14 | 11.35 | 12.88 | 8.53 | 12.56 | 10.33 | 9.29 | 1.41 | 19.48 | 20.29 |
| WEIGHT - MEAN(gm) | 0.00 | 62.15 | 92.08 | 114.12 | 143.65 | 152.14 | 166.73 | 176.09 | 186.00 | 193.50 | 127.82 | 126.30 |
| - STD. DEV. | 0.00 | 10.93 | 16.00 | 19.14 | 26.68 | 23.30 | 22.87 | 28.29 | 43.61 | 27.58 | 38.92 | 37.35 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 22 | 367 | 8 | 1 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 5.53 | 92.21 | 2.01 | 0.25 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 14 | 209 | 0 | 223 |
| % | 6.28 | 93.72 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 1.05 | 28.33 | 0.00 | 29.38 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 174 | 223 | 1 | 398 |
| % | 43.72 | 56.03 | 0.25 | 100.00 |
| MEAN WEIGHT | 118.84 | 132.07 | 138.00 | 126.30 |
| % SAMP. WT. | 41.14 | 58.59 | 0.27 | 100.00 |

228

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 251 - OTHER AREA 25

SAMPLE NUMBERS: 358

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 39 DATE: MAR 24/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | |
|--------------------|------|--------|--------|--------|--------|--------|--------|------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 10 | 29 | 14 | 2 | 41 | 1 | 0 | 0 | 0 | 3 | 100 |
| % AT AGE | 0.00 | 10.31 | 29.90 | 14.43 | 2.06 | 42.27 | 1.03 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 160.60 | 177.14 | 192.14 | 203.00 | 208.05 | 225.00 | 0.00 | 0.00 | 0.00 | 208.33 | 192.19 |
| - STD. DEV. | 0.00 | 5.78 | 6.33 | 9.42 | 5.66 | 8.75 | 0.00 | 0.00 | 0.00 | 0.00 | 8.02 | 18.74 |
| WEIGHT - MEAN (gm) | 0.00 | 57.30 | 78.31 | 105.43 | 127.00 | 139.46 | 167.00 | 0.00 | 0.00 | 0.00 | 147.33 | 109.01 |
| - STD. DEV. | 0.00 | 8.96 | 8.33 | 16.28 | 12.73 | 19.69 | 0.00 | 0.00 | 0.00 | 0.00 | 28.88 | 35.41 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 32 | 66 | 2 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 32.00 | 66.00 | 2.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 22 | 30 | 0 | 52 |
| % | 42.31 | 57.69 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 9.86 | 16.94 | 0.00 | 26.80 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 48 | 52 | 0 | 100 |
| % | 48.00 | 52.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 97.81 | 119.35 | 0.00 | 109.01 |
| % SAMP. WT. | 43.07 | 56.93 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 252 - WEST NOOTKA

SAMPLE NUMBERS: 60

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 35 DATE: FEB 25/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 7 | 31 | 7 | 15 | 19 | 3 | 3 | 0 | 0 | 15 | 100 |
| % AT AGE | 0.00 | 8.24 | 36.47 | 8.24 | 17.65 | 22.35 | 3.53 | 3.53 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 159.86 | 183.13 | 195.14 | 202.20 | 211.53 | 216.00 | 216.67 | 0.00 | 0.00 | 187.60 | 193.26 |
| - STD. DEV. | 0.00 | 5.01 | 7.77 | 6.39 | 9.49 | 7.32 | 12.77 | 5.51 | 0.00 | 0.00 | 15.91 | 17.58 |
| WEIGHT - MEAN(gm) | 0.00 | 59.29 | 92.45 | 111.00 | 126.67 | 141.05 | 160.00 | 154.33 | 0.00 | 0.00 | 98.27 | 110.55 |
| - STD. DEV. | 0.00 | 4.39 | 11.36 | 14.17 | 17.77 | 21.42 | 26.46 | 15.37 | 0.00 | 0.00 | 25.26 | 30.84 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 11 | 73 | 16 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 11.00 | 73.00 | 16.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 7 | 53 | 0 | 60 |
| % | 11.67 | 88.33 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 2.06 | 25.66 | 0.00 | 27.72 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 40 | 60 | 0 | 100 |
| % | 40.00 | 60.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 98.18 | 118.80 | 0.00 | 110.55 |
| % SAMP. WT. | 35.52 | 64.48 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 253 - NUCHATLITZ INLET

SAMPLE NUMBERS: 44, 27, 54

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 35 DATE: FEB 25/83 - FEB 26/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 4 | 44 | 52 | 63 | 64 | 17 | 17 | 1 | 0 | 38 | 300 |
| % AT AGE | 0.00 | 1.53 | 16.79 | 19.85 | 24.05 | 24.43 | 6.49 | 6.49 | 0.38 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 157.00 | 181.00 | 193.63 | 201.17 | 208.11 | 211.35 | 210.71 | 233.00 | 0.00 | 201.03 | 199.00 |
| - STD. DEV. | 0.00 | 10.03 | 7.07 | 9.10 | 7.57 | 8.63 | 8.92 | 9.01 | 0.00 | 0.00 | 14.69 | 14.18 |
| WEIGHT - MEAN (gm) | 0.00 | 53.50 | 86.43 | 112.33 | 129.02 | 144.98 | 147.06 | 149.06 | 171.00 | 0.00 | 126.13 | 124.21 |
| - STD. DEV. | 0.00 | 9.68 | 12.44 | 17.28 | 16.52 | 19.89 | 18.46 | 18.25 | 0.00 | 0.00 | 32.04 | 29.13 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 1 | 0 | 107 | 181 | 11 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.33 | 0.00 | 35.67 | 60.33 | 3.67 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 75 | 82 | 0 | 157 |
| % | 47.77 | 52.23 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 9.46 | 16.49 | 0.00 | 25.95 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 143 | 157 | 0 | 300 |
| % | 47.67 | 52.33 | 0.00 | 100.00 |
| MEAN WEIGHT | 119.79 | 128.24 | 0.00 | 124.21 |
| % SAMP. WT. | 45.97 | 54.03 | 0.00 | 100.00 |

231

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 253 - NUCHATLITZ INLET

SAMPLE NUMBERS: 47

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 36 DATE: FEB 27/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 0 | 4 | 13 | 25 | 36 | 11 | 8 | 0 | 0 | 3 | 100 |
| % AT AGE | 0.00 | 0.00 | 4.12 | 13.40 | 25.77 | 37.11 | 11.34 | 8.25 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 184.75 | 203.62 | 210.48 | 215.36 | 221.27 | 221.75 | 0.00 | 0.00 | 209.67 | 212.38 |
| - STD. DEV. | 0.00 | 0.00 | 12.09 | 4.43 | 6.11 | 6.92 | 4.69 | 7.21 | 0.00 | 0.00 | 19.73 | 10.38 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 93.00 | 125.85 | 142.80 | 149.75 | 156.91 | 161.25 | 0.00 | 0.00 | 131.67 | 143.80 |
| - STD. DEV. | 0.00 | 0.00 | 19.17 | 11.00 | 16.49 | 18.21 | 15.17 | 10.40 | 0.00 | 0.00 | 24.79 | 21.45 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|-------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 15 | 64 | 21 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 15.00 | 64.00 | 21.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 7 | 49 | 0 | 56 |
| % | 12.50 | 87.50 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 2.41 | 25.41 | 0.00 | 27.82 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 44 | 56 | 0 | 100 |
| % | 44.00 | 56.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 141.75 | 145.41 | 0.00 | 143.80 |
| % SAMP. WT. | 43.37 | 56.63 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 272 - BROOKS BAY

SAMPLE NUMBERS: 168

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 37 DATE: MAR 10/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 3 | 10 | 15 | 5 | 9 | 0 | 4 | 0 | 0 | 2 | 48 |
| % AT AGE | 0.00 | 6.52 | 21.74 | 32.61 | 10.87 | 19.57 | 0.00 | 8.70 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 154.67 | 184.50 | 198.07 | 205.80 | 214.11 | 0.00 | 216.75 | 0.00 | 0.00 | 189.50 | 197.54 |
| - STD. DEV. | 0.00 | 5.86 | 6.59 | 5.98 | 3.03 | 7.03 | 0.00 | 6.34 | 0.00 | 0.00 | 10.61 | 16.80 |
| WEIGHT - MEAN(gm) | 0.00 | 49.67 | 92.10 | 113.67 | 121.40 | 133.11 | 0.00 | 136.50 | 0.00 | 0.00 | 101.00 | 111.00 |
| - STD. DEV. | 0.00 | 6.03 | 13.08 | 16.10 | 13.83 | 20.84 | 0.00 | 23.81 | 0.00 | 0.00 | 19.80 | 27.01 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|-------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 0 | 29 | 13 | 6 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 0.00 | 60.42 | 27.08 | 12.50 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 0 | 14 | 4 | 18 |
| % | 0.00 | 77.78 | 22.22 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 23.12 | 0.43 | 23.54 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 30 | 18 | 0 | 48 |
| % | 62.50 | 37.50 | 0.00 | 100.00 |
| MEAN WEIGHT | 107.23 | 117.28 | 0.00 | 111.00 |
| % SAMP. WT. | 60.38 | 39.62 | 0.00 | 100.00 |

TABLE 15 (CONT.) SEINE SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 273 - WINTER HARBOUR

SAMPLE NUMBERS: 174

SOURCE: PRE-FISHERY CHARTER

GEAR: HERRING SEINE

WEEK: 38 DATE: MAR 13/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|------|------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 1 | 11 | 17 | 6 | 20 | 0 | 0 | 0 | 0 | 2 | 57 |
| % AT AGE | 0.00 | 1.82 | 20.00 | 30.91 | 10.91 | 36.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 173.00 | 188.55 | 201.82 | 207.33 | 213.25 | 0.00 | 0.00 | 0.00 | 0.00 | 209.50 | 203.61 |
| - STD. DEV. | 0.00 | 0.00 | 8.51 | 6.26 | 7.23 | 10.72 | 0.00 | 0.00 | 0.00 | 0.00 | 6.36 | 12.91 |
| WEIGHT - MEAN(gm) | 0.00 | 54.00 | 85.00 | 99.18 | 108.00 | 124.95 | 0.00 | 0.00 | 0.00 | 0.00 | 113.50 | 106.12 |
| - STD. DEV. | 0.00 | 0.00 | 14.74 | 16.32 | 19.89 | 29.89 | 0.00 | 0.00 | 0.00 | 0.00 | 19.09 | 27.20 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|------|-------|------|-------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 0 | 3 | 18 | 0 | 36 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 5.26 | 31.58 | 0.00 | 63.16 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 0 | 11 | 25 | 36 |
| % | 0.00 | 30.56 | 69.44 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 10.18 | 2.95 | 13.13 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 21 | 36 | 0 | 57 |
| % | 36.84 | 63.16 | 0.00 | 100.00 |
| MEAN WEIGHT | 103.76 | 107.50 | 0.00 | 106.12 |
| % SAMP. WT. | 36.02 | 63.98 | 0.00 | 100.00 |

TABLE 16 TRAWL SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 4

SOURCE: OTHER

GEAR: HERRING TRAWL

WEEK: 20 DATE: NOV 10/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 3 | 18 | 29 | 11 | 7 | 1 | 3 | 3 | 1 | 24 | 100 |
| % AT AGE | 0.00 | 3.95 | 23.68 | 38.16 | 14.47 | 9.21 | 1.32 | 3.95 | 3.95 | 1.32 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 154.33 | 189.61 | 204.41 | 211.55 | 212.29 | 224.00 | 221.00 | 232.33 | 243.00 | 203.75 | 203.34 |
| - STD. DEV. | 0.00 | 1.15 | 7.52 | 7.80 | 6.47 | 7.34 | 0.00 | 13.08 | 15.37 | 0.00 | 14.47 | 16.34 |
| WEIGHT - MEAN (gm) | 0.00 | 51.33 | 100.89 | 134.10 | 158.09 | 167.00 | 189.00 | 184.33 | 213.00 | 204.00 | 131.13 | 134.99 |
| - STD. DEV. | 0.00 | 4.04 | 16.01 | 15.08 | 21.40 | 12.62 | 0.00 | 49.89 | 29.05 | 0.00 | 29.98 | 36.55 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 3 | 75 | 22 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 3.00 | 75.00 | 22.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 56 | 0 | 0 | 56 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 44 | 56 | 0 | 100 |
| % | 44.00 | 56.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 137.75 | 132.82 | 0.00 | 134.99 |
| % SAMP. WT. | 44.90 | 55.10 | 0.00 | 100.00 |

TABLE 16 (CONT.) TRAWL SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 13

SOURCE: FOOD FISHERY

GEAR: HERRING TRAWL

WEEK: 22 DATE: NOV 23/82

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 1 | 7 | 27 | 13 | 13 | 4 | 8 | 4 | 2 | 21 | 100 |
| % AT AGE | 0.00 | 1.27 | 8.86 | 34.18 | 16.46 | 16.46 | 5.06 | 10.13 | 5.06 | 2.53 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 160.00 | 195.57 | 202.81 | 216.15 | 222.15 | 231.25 | 229.75 | 237.75 | 231.50 | 210.24 | 212.95 |
| - STD. DEV. | 0.00 | 0.00 | 9.83 | 8.12 | 4.71 | 5.18 | 9.60 | 8.55 | 11.24 | 0.71 | 12.73 | 15.28 |
| WEIGHT - MEAN(gm) | 0.00 | 61.00 | 112.43 | 136.70 | 162.62 | 185.31 | 203.25 | 198.38 | 185.50 | 192.50 | 148.81 | 157.14 |
| - STD. DEV. | 0.00 | 0.00 | 17.98 | 18.39 | 14.94 | 18.53 | 18.41 | 9.59 | 33.79 | 19.09 | 28.73 | 33.93 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 1 | 63 | 36 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 1.00 | 63.00 | 36.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 44 | 0 | 0 | 44 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 56 | 44 | 0 | 100 |
| % | 56.00 | 44.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 149.96 | 166.27 | 0.00 | 157.14 |
| % SAMP. WT. | 53.44 | 46.56 | 0.00 | 100.00 |

TABLE 16 (CONT.) TRAWL SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 46, 42

SOURCE: FOOD FISHERY

GEAR: HERRING TRAWL

WEEK: 23 DATE: NOV 30/82 - DEC 1/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 1 | 17 | 50 | 35 | 13 | 6 | 8 | 4 | 0 | 62 | 196 |
| % AT AGE | 0.00 | 0.75 | 12.69 | 37.31 | 26.12 | 9.70 | 4.48 | 5.97 | 2.99 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 168.00 | 183.06 | 201.36 | 210.14 | 219.23 | 226.17 | 230.25 | 225.00 | 0.00 | 206.56 | 206.42 |
| - STD. DEV. | 0.00 | 0.00 | 8.50 | 7.83 | 7.37 | 4.97 | 6.94 | 6.92 | 8.60 | 0.00 | 12.91 | 14.36 |
| WEIGHT - MEAN (gm) | 0.00 | 77.00 | 104.47 | 134.38 | 157.37 | 170.62 | 187.83 | 198.13 | 196.00 | 0.00 | 145.53 | 147.03 |
| - STD. DEV. | 0.00 | 0.00 | 14.96 | 11.72 | 19.12 | 10.95 | 24.12 | 17.08 | 11.22 | 0.00 | 28.29 | 29.84 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 2 | 126 | 68 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 1.02 | 64.29 | 34.69 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 117 | 0 | 0 | 117 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 79 | 117 | 0 | 196 |
| % | 40.31 | 59.69 | 0.00 | 100.00 |
| MEAN WEIGHT | 142.23 | 150.26 | 0.00 | 147.03 |
| % SAMP. WT. | 38.99 | 61.01 | 0.00 | 100.00 |

TABLE 16 (CONT.) TRAWL SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 173 - YELLOW POINT

SAMPLE NUMBERS: 19

SOURCE: FOOD FISHERY

GEAR: HERRING TRAWL

WEEK: 22 DATE: NOV 26/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 1 | 24 | 20 | 9 | 7 | 4 | 1 | 2 | 0 | 32 | 100 |
| % AT AGE | 0.00 | 1.47 | 35.29 | 29.41 | 13.24 | 10.29 | 5.88 | 1.47 | 2.94 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 165.00 | 182.46 | 197.80 | 207.33 | 217.71 | 226.00 | 204.00 | 234.00 | 0.00 | 193.47 | 196.57 |
| - STD. DEV. | 0.00 | 0.00 | 6.85 | 6.13 | 9.33 | 8.54 | 7.62 | 0.00 | 2.83 | 0.00 | 18.58 | 17.53 |
| WEIGHT - MEAN (gm) | 0.00 | 68.00 | 98.75 | 126.70 | 149.11 | 171.43 | 190.25 | 138.00 | 220.50 | 0.00 | 117.91 | 126.27 |
| - STD. DEV. | 0.00 | 0.00 | 14.52 | 12.72 | 20.07 | 22.63 | 13.57 | 0.00 | 21.92 | 0.00 | 35.12 | 36.31 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 59 | 41 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 59.00 | 41.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 57 | 0 | 0 | 57 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 43 | 57 | 0 | 100 |
| % | 43.00 | 57.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 124.00 | 127.98 | 0.00 | 126.27 |
| % SAMP. WT. | 42.23 | 57.77 | 0.00 | 100.00 |

TABLE 16 (CONT.) TRAWL SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 173 - YELLOW POINT

SAMPLE NUMBERS: 35

SOURCE: FOOD FISHERY

GEAR: HERRING TRAWL

WEEK: 23 DATE: NOV 29/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 1 | 19 | 32 | 9 | 13 | 2 | 2 | 4 | 0 | 18 | 100 |
| % AT AGE | 0.00 | 1.22 | 23.17 | 39.02 | 10.98 | 15.85 | 2.44 | 2.44 | 4.88 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 172.00 | 191.32 | 207.78 | 215.78 | 221.92 | 227.00 | 228.50 | 228.25 | 0.00 | 203.78 | 207.75 |
| - STD. DEV. | 0.00 | 0.00 | 8.58 | 7.13 | 8.12 | 6.91 | 4.24 | 2.12 | 4.57 | 0.00 | 17.09 | 14.98 |
| WEIGHT - MEAN(gm) | 0.00 | 83.00 | 111.37 | 133.91 | 151.67 | 171.92 | 182.00 | 209.00 | 200.50 | 0.00 | 145.39 | 142.85 |
| - STD. DEV. | 0.00 | 0.00 | 17.71 | 13.34 | 24.14 | 22.05 | 5.66 | 1.41 | 26.21 | 0.00 | 31.57 | 32.19 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 26 | 74 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 26.00 | 74.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 45 | 0 | 0 | 45 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 55 | 45 | 0 | 100 |
| % | 55.00 | 45.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 137.13 | 149.84 | 0.00 | 142.85 |
| % SAMP. WT. | 52.80 | 47.20 | 0.00 | 100.00 |

TABLE 17 INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 131 - OTHER AREA 13 STRAIT
 SAMPLE NUMBERS: 14, 2
 SOURCE: RESEARCH - INSHORE
 GEAR: HERRING SEINE
 WEEK: 20 DATE: NOV 11/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 38 | 89 | 20 | 11 | 11 | 2 | 0 | 0 | 0 | 26 | 197 |
| % AT AGE | 0.00 | 22.22 | 52.05 | 11.70 | 6.43 | 6.43 | 1.17 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 148.18 | 172.46 | 188.40 | 192.45 | 201.55 | 202.00 | 0.00 | 0.00 | 0.00 | 182.62 | 173.78 |
| - STD. DEV. | 0.00 | 8.04 | 9.77 | 9.93 | 11.30 | 8.70 | 2.83 | 0.00 | 0.00 | 0.00 | 22.05 | 19.18 |
| WEIGHT - MEAN (gm) | 0.00 | 48.39 | 80.90 | 109.10 | 115.36 | 134.18 | 148.50 | 0.00 | 0.00 | 0.00 | 101.62 | 85.81 |
| - STD. DEV. | 0.00 | 8.72 | 13.41 | 18.04 | 16.32 | 18.52 | 12.02 | 0.00 | 0.00 | 0.00 | 36.95 | 30.39 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|-------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 10 | 31 | 122 | 34 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 5.08 | 15.74 | 61.93 | 17.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 105 | 0 | 0 | 105 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

| SEX RATIO: ===== | SEX RATIO: | | | TOTAL |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | |
| NO. | 92 | 105 | 0 | 197 |
| % | 46.70 | 53.30 | 0.00 | 100.00 |
| MEAN WEIGHT | 84.95 | 86.57 | 0.00 | 85.81 |
| % SAMP. WT. | 46.23 | 53.77 | 0.00 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 131 - OTHER AREA 13 STRAIT

SAMPLE NUMBERS: 5

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 21 DATE: NOV 16/82

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 22 | 47 | 10 | 5 | 3 | 2 | 1 | 0 | 0 | 6 | 96 |
| % AT AGE | 0.00 | 24.44 | 52.22 | 11.11 | 5.56 | 3.33 | 2.22 | 1.11 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 146.59 | 173.06 | 189.60 | 204.20 | 214.00 | 214.00 | 214.00 | 0.00 | 0.00 | 164.00 | 172.33 |
| - STD. DEV. | 0.00 | 8.72 | 9.16 | 6.24 | 7.60 | 34.87 | 12.73 | 0.00 | 0.00 | 0.00 | 26.94 | 21.95 |
| WEIGHT - MEAN(gm) | 0.00 | 45.09 | 79.68 | 107.40 | 140.80 | 127.67 | 143.50 | 155.00 | 0.00 | 0.00 | 91.50 | 82.18 |
| - STD. DEV. | 0.00 | 8.39 | 12.70 | 12.51 | 17.46 | 24.79 | 13.44 | 0.00 | 0.00 | 0.00 | 38.74 | 31.47 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|-------|-------|------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 28 | 65 | 3 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 29.17 | 67.71 | 3.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 60 | 0 | 0 | 60 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 36 | 60 | 0 | 96 |
| % | 37.50 | 62.50 | 0.00 | 100.00 |
| MEAN WEIGHT | 93.22 | 75.55 | 0.00 | 82.18 |
| % SAMP. WT. | 42.54 | 57.46 | 0.00 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 131 - OTHER AREA 13 STRAIT

SAMPLE NUMBERS: 59, 57

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 22 DATE: NOV 23/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 8 | 108 | 35 | 7 | 13 | 2 | 0 | 0 | 0 | 24 | 197 |
| % AT AGE | 0.00 | 4.62 | 62.43 | 20.23 | 4.05 | 7.51 | 1.16 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 155.13 | 173.69 | 190.34 | 194.00 | 196.77 | 198.50 | 0.00 | 0.00 | 0.00 | 180.21 | 179.19 |
| - STD. DEV. | 0.00 | 4.29 | 7.75 | 9.90 | 10.77 | 9.99 | 4.95 | 0.00 | 0.00 | 0.00 | 16.33 | 13.65 |
| WEIGHT - MEAN (gm) | 0.00 | 59.63 | 88.31 | 114.40 | 125.14 | 135.62 | 134.00 | 0.00 | 0.00 | 0.00 | 101.46 | 98.28 |
| - STD. DEV. | 0.00 | 7.69 | 11.86 | 20.28 | 23.73 | 20.20 | 0.00 | 0.00 | 0.00 | 0.00 | 29.87 | 24.33 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 10 | 118 | 69 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 5.08 | 59.90 | 35.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 104 | 0 | 0 | 104 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

| SEX RATIO: ===== | SEX RATIO: | | | TOTAL |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | |
| NO. | 93 | 104 | 0 | 197 |
| % | 47.21 | 52.79 | 0.00 | 100.00 |
| MEAN WEIGHT | 97.48 | 98.99 | 0.00 | 98.28 |
| % SAMP. WT. | 46.83 | 53.17 | 0.00 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 132 - KANISH BAY

SAMPLE NUMBERS: 30, 11

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 20 DATE: NOV 10/82

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 36 | 86 | 35 | 11 | 3 | 1 | 1 | 0 | 0 | 25 | 198 |
| % AT AGE | 0.00 | 20.81 | 49.71 | 20.23 | 6.36 | 1.73 | 0.58 | 0.58 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 157.03 | 170.41 | 174.49 | 189.00 | 200.33 | 156.00 | 210.00 | 0.00 | 0.00 | 178.48 | 171.33 |
| - STD. DEV. | 0.00 | 12.44 | 14.29 | 18.18 | 21.73 | 17.93 | 0.00 | 0.00 | 0.00 | 0.00 | 20.31 | 18.31 |
| WEIGHT - MEAN (gm) | 0.00 | 59.89 | 78.63 | 87.60 | 112.18 | 132.33 | 65.00 | 160.00 | 0.00 | 0.00 | 96.32 | 82.06 |
| - STD. DEV. | 0.00 | 16.34 | 19.42 | 27.79 | 35.26 | 32.81 | 0.00 | 0.00 | 0.00 | 0.00 | 34.67 | 28.49 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|-------|-------|------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 5 | 52 | 122 | 16 | 2 | 0 | 0 | 0 | 1 |
| % AT STAGE | 2.53 | 26.26 | 61.62 | 8.08 | 1.01 | 0.00 | 0.00 | 0.00 | 0.51 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 111 | 0 | 1 | 112 |
| % | 99.11 | 0.00 | 0.89 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 86 | 112 | 0 | 198 |
| % | 43.43 | 56.57 | 0.00 | 100.00 |
| MEAN WEIGHT | 82.15 | 81.99 | 0.00 | 82.06 |
| % SAMP. WT. | 43.48 | 56.52 | 0.00 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 132 - KANISH BAY

SAMPLE NUMBERS: 1, 8, 10, 7

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 21 DATE: NOV 15/82 - NOV 18/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 101 | 162 | 43 | 24 | 8 | 0 | 3 | 0 | 0 | 51 | 392 |
| % AT AGE | 0.00 | 29.62 | 47.51 | 12.61 | 7.04 | 2.35 | 0.00 | 0.88 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 148.99 | 174.60 | 186.35 | 199.46 | 209.50 | 0.00 | 210.67 | 0.00 | 0.00 | 172.43 | 171.52 |
| - STD. DEV. | 0.00 | 9.01 | 8.93 | 9.00 | 11.30 | 15.64 | 0.00 | 3.06 | 0.00 | 0.00 | 23.39 | 19.82 |
| WEIGHT - MEAN (gm) | 0.00 | 47.20 | 81.75 | 101.88 | 128.79 | 152.00 | 0.00 | 147.67 | 0.00 | 0.00 | 85.25 | 80.33 |
| - STD. DEV. | 0.00 | 8.47 | 12.98 | 15.80 | 23.52 | 29.82 | 0.00 | 15.01 | 0.00 | 0.00 | 33.03 | 30.44 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|-------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 24 | 73 | 246 | 49 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 6.12 | 18.62 | 62.76 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 183 | 0 | 0 | 183 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 208 | 183 | 1 | 392 |
| % | 53.06 | 46.68 | 0.26 | 100.00 |
| MEAN WEIGHT | 78.49 | 82.66 | 36.00 | 80.33 |
| % SAMP. WT. | 51.85 | 48.04 | 0.11 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 132 - KANISH BAY

SAMPLE NUMBERS: 62

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 22 DATE: NOV 22/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|--------------------|------|------|--------|--------|--------|--------|--------|------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 0 | 32 | 14 | 15 | 9 | 3 | 0 | 1 | 0 | 26 | 100 |
| % AT AGE | 0.00 | 0.00 | 43.24 | 18.92 | 20.27 | 12.16 | 4.05 | 0.00 | 1.35 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 175.72 | 195.86 | 203.87 | 207.00 | 203.67 | 0.00 | 218.00 | 0.00 | 196.85 | 192.33 |
| - STD. DEV. | 0.00 | 0.00 | 7.81 | 10.41 | 8.65 | 6.56 | 2.89 | 0.00 | 0.00 | 0.00 | 10.94 | 14.98 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 89.34 | 123.64 | 144.47 | 146.89 | 141.33 | 0.00 | 180.00 | 0.00 | 127.15 | 119.89 |
| - STD. DEV. | 0.00 | 0.00 | 11.26 | 18.77 | 20.04 | 7.34 | 6.11 | 0.00 | 0.00 | 0.00 | 22.59 | 28.33 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 2 | 59 | 39 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 2.00 | 59.00 | 39.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 49 | 0 | 0 | 49 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 51 | 49 | 0 | 100 |
| % | 51.00 | 49.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 111.12 | 129.02 | 0.00 | 119.89 |
| % SAMP. WT. | 47.27 | 52.73 | 0.00 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 34

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 20 DATE: NOV 7/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 0 | 30 | 20 | 8 | 5 | 1 | 1 | 0 | 0 | 33 | 98 |
| % AT AGE | 0.00 | 0.00 | 46.15 | 30.77 | 12.31 | 7.69 | 1.54 | 1.54 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 0.00 | 178.87 | 195.90 | 207.75 | 212.40 | 228.00 | 227.00 | 0.00 | 0.00 | 184.36 | 189.26 |
| - STD. DEV. | 0.00 | 0.00 | 10.10 | 10.31 | 7.70 | 13.98 | 0.00 | 0.00 | 0.00 | 0.00 | 32.74 | 23.54 |
| WEIGHT - MEAN(gm) | 0.00 | 0.00 | 103.63 | 135.65 | 161.25 | 165.00 | 210.00 | 202.00 | 0.00 | 0.00 | 121.73 | 126.18 |
| - STD. DEV. | 0.00 | 0.00 | 16.55 | 18.95 | 13.09 | 25.40 | 0.00 | 0.00 | 0.00 | 0.00 | 52.26 | 39.82 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 9 | 68 | 18 | 0 | 0 | 0 | 0 | 2 |
| % AT STAGE | 1.02 | 9.18 | 69.39 | 18.37 | 0.00 | 0.00 | 0.00 | 0.00 | 2.04 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 54 | 0 | 0 | 54 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 42 | 54 | 2 | 98 |
| % | 42.86 | 55.10 | 2.04 | 100.00 |
| MEAN WEIGHT | 120.48 | 134.81 | 13.00 | 126.18 |
| % SAMP. WT. | 40.92 | 58.87 | 0.21 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 63, 24, 31

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 21 DATE: NOV 16/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 11 | 82 | 65 | 36 | 18 | 4 | 9 | 5 | 0 | 66 | 296 |
| % AT AGE | 0.00 | 4.78 | 35.65 | 28.26 | 15.65 | 7.83 | 1.74 | 3.91 | 2.17 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 157.55 | 182.88 | 201.37 | 206.36 | 215.61 | 217.25 | 228.44 | 230.00 | 0.00 | 196.80 | 196.59 |
| - STD. DEV. | 0.00 | 7.99 | 10.64 | 10.27 | 9.55 | 10.35 | 9.18 | 8.25 | 11.90 | 0.00 | 17.56 | 18.69 |
| WEIGHT - MEAN (gm) | 0.00 | 66.55 | 105.89 | 141.34 | 155.94 | 175.28 | 183.75 | 205.78 | 218.60 | 0.00 | 136.79 | 135.40 |
| - STD. DEV. | 0.00 | 10.44 | 18.20 | 18.82 | 19.54 | 26.68 | 29.80 | 21.25 | 25.64 | 0.00 | 40.69 | 39.10 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 1 | 4 | 155 | 136 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.34 | 1.35 | 52.36 | 45.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 154 | 0 | 0 | 154 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 142 | 154 | 0 | 296 |
| % | 47.97 | 52.03 | 0.00 | 100.00 |
| MEAN WEIGHT | 131.13 | 139.34 | 0.00 | 135.40 |
| % SAMP. WT. | 46.46 | 53.54 | 0.00 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 60

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 22 DATE: NOV 25/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|-------|--------|------|------|------|------|------|------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 94 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 100 |
| % AT AGE | 97.92 | 2.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 97.07 | 135.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 97.00 | 97.84 |
| - STD. DEV. | 5.96 | 13.44 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.38 | 8.10 |
| WEIGHT - MEAN(gm) | 13.40 | 39.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.50 | 13.93 |
| - STD. DEV. | 2.33 | 9.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.73 | 4.42 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|-------|------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 2 | 0 | 98 | 0 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 2.00 | 0.00 | 98.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | | | | | SEX RATIO: ===== | | | | |
|---------------------------------|----------|--------|-------|--------|---------------------|-------|--------|----------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 1 | 0 | 0 | 1 | NO. | 1 | 1 | 98 | 100 |
| % | 100.00 | 0.00 | 0.00 | 100.00 | % | 1.00 | 1.00 | 98.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 | MEAN WEIGHT | 46.00 | 33.00 | 13.41 | 13.93 |
| | | | | | % SAMP. WT. | 3.30 | 2.37 | 94.33 | 100.00 |

248

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 61, 51, 49

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 23 DATE: NOV 28/82 - NOV 30/82

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 4 | 74 | 106 | 35 | 6 | 3 | 0 | 2 | 1 | 63 | 294 |
| % AT AGE | 0.00 | 1.73 | 32.03 | 45.89 | 15.15 | 2.60 | 1.30 | 0.00 | 0.87 | 0.43 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 157.75 | 185.96 | 200.19 | 206.74 | 219.83 | 219.33 | 0.00 | 225.50 | 248.00 | 195.46 | 196.73 |
| - STD. DEV. | 0.00 | 19.81 | 9.36 | 9.12 | 10.02 | 4.45 | 3.06 | 0.00 | 4.95 | 0.00 | 12.98 | 14.17 |
| WEIGHT - MEAN (gm) | 0.00 | 62.75 | 102.19 | 130.11 | 144.14 | 167.83 | 179.00 | 0.00 | 194.50 | 239.00 | 120.43 | 123.84 |
| - STD. DEV. | 0.00 | 23.51 | 16.05 | 18.57 | 20.44 | 11.89 | 8.72 | 0.00 | 10.61 | 0.00 | 25.40 | 27.70 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 5 | 158 | 128 | 2 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.34 | 1.70 | 53.74 | 43.54 | 0.68 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 163 | 1 | 0 | 164 |
| % | 99.39 | 0.61 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 130 | 164 | 0 | 294 |
| % | 44.22 | 55.78 | 0.00 | 100.00 |
| MEAN WEIGHT | 121.32 | 125.84 | 0.00 | 123.84 |
| % SAMP. WT. | 43.32 | 56.68 | 0.00 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 70, 84, 72

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 24 DATE: DEC 7/82 - DEC 9/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 9 | 97 | 75 | 30 | 11 | 7 | 4 | 2 | 0 | 60 | 295 |
| % AT AGE | 0.00 | 3.83 | 41.28 | 31.91 | 12.77 | 4.68 | 2.98 | 1.70 | 0.85 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 168.78 | 185.87 | 202.60 | 211.13 | 221.91 | 226.43 | 228.50 | 235.00 | 0.00 | 195.98 | 197.44 |
| - STD. DEV. | 0.00 | 10.11 | 8.63 | 9.64 | 8.57 | 9.79 | 8.66 | 10.97 | 0.00 | 0.00 | 16.09 | 16.63 |
| WEIGHT - MEAN (gm) | 0.00 | 75.56 | 103.38 | 133.92 | 156.57 | 181.18 | 195.43 | 203.75 | 216.00 | 0.00 | 121.27 | 126.55 |
| - STD. DEV. | 0.00 | 13.45 | 14.93 | 19.61 | 18.63 | 16.65 | 23.46 | 13.18 | 26.87 | 0.00 | 30.48 | 33.89 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 1 | 36 | 208 | 50 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.34 | 12.20 | 70.51 | 16.95 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 147 | 1 | 0 | 148 |
| % | 99.32 | 0.68 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 147 | 148 | 0 | 295 |
| % | 49.83 | 50.17 | 0.00 | 100.00 |
| MEAN WEIGHT | 122.58 | 130.50 | 0.00 | 126.55 |
| % SAMP. WT. | 48.27 | 51.73 | 0.00 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 78, 82

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 25 DATE: DEC 13/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 10 | 79 | 42 | 12 | 8 | 0 | 2 | 0 | 0 | 46 | 199 |
| % AT AGE | 0.00 | 6.54 | 51.63 | 27.45 | 7.84 | 5.23 | 0.00 | 1.31 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 157.80 | 185.25 | 201.83 | 211.17 | 214.75 | 0.00 | 234.50 | 0.00 | 0.00 | 194.09 | 192.66 |
| - STD. DEV. | 0.00 | 3.91 | 8.94 | 9.48 | 8.16 | 5.18 | 0.00 | 13.44 | 0.00 | 0.00 | 14.98 | 16.34 |
| WEIGHT - MEAN(gm) | 0.00 | 63.70 | 102.16 | 128.45 | 146.75 | 158.00 | 0.00 | 203.00 | 0.00 | 0.00 | 116.83 | 115.12 |
| - STD. DEV. | 0.00 | 5.08 | 13.30 | 19.20 | 19.06 | 16.46 | 0.00 | 48.08 | 0.00 | 0.00 | 24.84 | 27.94 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 1 | 10 | 146 | 42 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.50 | 5.03 | 73.37 | 21.11 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 92 | 1 | 0 | 93 |
| % | 98.92 | 1.08 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 105 | 93 | 0 | 198 |
| % | 53.03 | 46.97 | 0.00 | 100.00 |
| MEAN WEIGHT | 111.17 | 119.62 | 0.00 | 115.14 |
| % SAMP. WT. | 51.20 | 48.80 | 0.00 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 9, 8, 7

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 29 DATE: JAN 13/83 - JAN 15/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 27 | 71 | 79 | 35 | 19 | 5 | 7 | 1 | 1 | 54 | 299 |
| % AT AGE | 0.00 | 11.02 | 28.98 | 32.24 | 14.29 | 7.76 | 2.04 | 2.86 | 0.41 | 0.41 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 155.96 | 182.69 | 197.87 | 206.86 | 213.95 | 218.00 | 218.57 | 237.00 | 216.00 | 192.98 | 192.69 |
| - STD. DEV. | 0.00 | 11.18 | 9.16 | 8.50 | 7.86 | 6.16 | 4.47 | 6.55 | 0.00 | 0.00 | 16.07 | 18.61 |
| WEIGHT - MEAN(gm) | 0.00 | 59.33 | 96.28 | 124.84 | 142.57 | 153.26 | 162.00 | 175.71 | 202.00 | 150.00 | 116.80 | 116.73 |
| - STD. DEV. | 0.00 | 12.64 | 13.19 | 15.61 | 17.90 | 14.51 | 13.73 | 20.92 | 0.00 | 0.00 | 28.31 | 32.33 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 2 | 21 | 275 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.33 | 0.67 | 7.02 | 91.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 148 | 0 | 0 | 148 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 15.05 | 0.00 | 0.00 | 15.05 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 151 | 148 | 0 | 299 |
| % | 50.50 | 49.50 | 0.00 | 100.00 |
| MEAN WEIGHT | 113.13 | 120.40 | 0.00 | 116.73 |
| % SAMP. WT. | 48.94 | 51.06 | 0.00 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK

SECTION: 171 - OTHER AREA 17

SAMPLE NUMBERS: 17, 1, 2, 13, 5, 11, 4, 3, 10, 6

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 30 DATE: JAN 17/83 - JAN 22/83

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 49 | 292 | 259 | 116 | 37 | 25 | 12 | 10 | 0 | 184 | 984 |
| % AT AGE | 0.00 | 6.13 | 36.50 | 32.38 | 14.50 | 4.63 | 3.13 | 1.50 | 1.25 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 158.39 | 182.13 | 197.91 | 205.64 | 214.00 | 220.36 | 225.50 | 232.00 | 0.00 | 192.79 | 193.07 |
| - STD. DEV. | 0.00 | 10.46 | 10.94 | 10.26 | 8.67 | 8.63 | 9.08 | 6.53 | 7.07 | 0.00 | 17.05 | 17.92 |
| WEIGHT - MEAN(gm) | 0.00 | 63.02 | 95.52 | 123.21 | 139.22 | 160.16 | 171.64 | 182.08 | 195.90 | 0.00 | 114.22 | 116.28 |
| - STD. DEV. | 0.00 | 11.01 | 16.08 | 19.94 | 16.64 | 19.84 | 20.47 | 21.08 | 17.34 | 0.00 | 30.40 | 32.19 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 2 | 5 | 109 | 832 | 36 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.20 | 0.51 | 11.08 | 84.55 | 3.66 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 468 | 5 | 0 | 473 |
| % | 98.94 | 1.06 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 14.48 | 0.22 | 0.00 | 14.70 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 511 | 473 | 0 | 984 |
| % | 51.93 | 48.07 | 0.00 | 100.00 |
| MEAN WEIGHT | 114.26 | 118.46 | 0.00 | 116.28 |
| % SAMP. WT. | 51.03 | 48.97 | 0.00 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 172 - NANOOSE BAY

SAMPLE NUMBERS: 81

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 24 DATE: DEC 8/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|------|------|------|------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 81 | 9 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 100 |
| % AT AGE | 0.00 | 88.04 | 9.78 | 2.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 145.33 | 160.33 | 186.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 148.00 | 147.71 |
| - STD. DEV. | 0.00 | 5.72 | 7.21 | 4.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.09 | 9.12 |
| WEIGHT - MEAN(gm) | 0.00 | 49.83 | 67.22 | 87.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 65.13 | 53.37 |
| - STD. DEV. | 0.00 | 6.87 | 6.48 | 9.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.61 | 13.94 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 6 | 89 | 5 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 6.00 | 89.00 | 5.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 54 | 0 | 0 | 54 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|-------|--------|----------|--------|
| NO. | 46 | 54 | 0 | 100 |
| % | 46.00 | 54.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 53.54 | 53.22 | 0.00 | 53.37 |
| % SAMP. WT. | 46.15 | 53.85 | 0.00 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK

SECTION: 173 - YELLOW POINT
 SAMPLE NUMBERS: 32, 26
 SOURCE: RESEARCH - INSHORE
 GEAR: HERRING SEINE
 WEEK: 20 DATE: NOV 9/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 10 | 69 | 54 | 17 | 8 | 2 | 2 | 0 | 0 | 37 | 199 |
| % AT AGE | 0.00 | 6.17 | 42.59 | 33.33 | 10.49 | 4.94 | 1.23 | 1.23 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 164.30 | 182.99 | 201.09 | 205.12 | 217.00 | 213.00 | 230.00 | 0.00 | 0.00 | 192.05 | 192.68 |
| - STD. DEV. | 0.00 | 8.27 | 8.13 | 8.90 | 10.73 | 3.78 | 5.66 | 8.49 | 0.00 | 0.00 | 18.55 | 16.37 |
| WEIGHT - MEAN (gm) | 0.00 | 73.50 | 105.90 | 139.91 | 152.94 | 186.88 | 164.50 | 220.00 | 0.00 | 0.00 | 126.00 | 126.25 |
| - STD. DEV. | 0.00 | 11.58 | 16.01 | 20.55 | 23.67 | 18.06 | 36.06 | 1.41 | 0.00 | 0.00 | 36.11 | 34.01 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 2 | 136 | 61 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 1.01 | 68.34 | 30.65 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | | | | | SEX RATIO: ===== | | | | |
|---------------------------------|----------|--------|-------|--------|---------------------|--------|----------|--------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL | |
| NO. | 84 | 0 | 0 | 84 | 115 | 84 | 0 | 199 | |
| % | 100.00 | 0.00 | 0.00 | 100.00 | 57.79 | 42.21 | 0.00 | 100.00 | |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 | MEAN WEIGHT | 125.10 | 127.82 | 0.00 | 126.25 |
| | | | | | % SAMP. WT. | 57.26 | 42.74 | 0.00 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK

=====

SECTION: 173 - YELLOW POINT

SAMPLE NUMBERS: 54, 3, 23, 22, 58, 27, 29

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 21 DATE: NOV 15/82 - NOV 19/82

SPECIMENS AT EACH AGE:

=====

AGE

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| NO. AT AGE | 0 | 43 | 299 | 121 | 52 | 19 | 8 | 5 | 2 | 0 | 143 | 692 |
| % AT AGE | 0.00 | 7.83 | 54.46 | 22.04 | 9.47 | 3.46 | 1.46 | 0.91 | 0.36 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 159.79 | 182.07 | 196.43 | 205.77 | 211.58 | 218.13 | 224.80 | 223.00 | 0.00 | 190.38 | 188.35 |
| - STD. DEV. | 0.00 | 8.91 | 8.90 | 10.21 | 7.68 | 8.10 | 7.10 | 8.64 | 8.49 | 0.00 | 14.21 | 15.72 |
| WEIGHT - MEAN(gm) | 0.00 | 69.28 | 102.30 | 129.63 | 149.42 | 166.95 | 179.38 | 185.40 | 202.50 | 0.00 | 116.70 | 115.10 |
| - STD. DEV. | 0.00 | 13.34 | 14.84 | 20.39 | 16.65 | 20.51 | 19.53 | 14.98 | 0.71 | 0.00 | 26.34 | 29.40 |

HJORT MATURITY STAGES:

=====

MATURITY STAGE

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
|--------------|------|------|-------|-------|------|------|------|------|---------|
| NO. AT STAGE | 2 | 31 | 467 | 192 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.29 | 4.48 | 67.49 | 27.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 352 | 0 | 0 | 352 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:

=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 340 | 352 | 0 | 692 |
| % | 49.13 | 50.87 | 0.00 | 100.00 |
| MEAN WEIGHT | 113.97 | 116.19 | 0.00 | 115.10 |
| % SAMP. WT. | 48.65 | 51.35 | 0.00 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 173 - YELLOW POINT

SAMPLE NUMBERS: 67

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 22 DATE: NOV 25/82

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|------|--------|--------|--------|--------|--------|------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 0 | 14 | 16 | 6 | 4 | 1 | 0 | 1 | 0 | 33 | 75 |
| % AT AGE | 0.00 | 0.00 | 33.33 | 38.10 | 14.29 | 9.52 | 2.38 | 0.00 | 2.38 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 0.00 | 181.21 | 198.88 | 204.00 | 212.25 | 223.00 | 0.00 | 230.00 | 0.00 | 192.30 | 194.55 |
| - STD. DEV. | 0.00 | 0.00 | 8.06 | 8.33 | 10.24 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 | 12.51 | 13.93 |
| WEIGHT - MEAN (gm) | 0.00 | 0.00 | 104.79 | 136.19 | 156.33 | 162.75 | 195.00 | 0.00 | 223.00 | 0.00 | 127.30 | 131.39 |
| - STD. DEV. | 0.00 | 0.00 | 13.06 | 22.96 | 16.44 | 13.18 | 0.00 | 0.00 | 0.00 | 0.00 | 29.26 | 30.83 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 0 | 31 | 44 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.00 | 41.33 | 58.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 33 | 0 | 0 | 33 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 42 | 33 | 0 | 75 |
| % | 56.00 | 44.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 127.60 | 136.21 | 0.00 | 131.39 |
| % SAMP. WT. | 54.38 | 45.62 | 0.00 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 173 - YELLOW POINT

SAMPLE NUMBERS: 55, 52, 47, 64

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 23 DATE: NOV 29/82 - DEC 1/82

SPECIMENS AT EACH AGE:

| | AGE | | | | | | | | | | | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 10 | 174 | 86 | 25 | 14 | 7 | 1 | 0 | 0 | 79 | 396 |
| % AT AGE | 0.00 | 3.15 | 54.89 | 27.13 | 7.89 | 4.42 | 2.21 | 0.32 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 157.90 | 181.03 | 198.51 | 204.36 | 210.21 | 221.57 | 217.00 | 0.00 | 0.00 | 196.19 | 190.58 |
| - STD. DEV. | 0.00 | 3.90 | 10.69 | 10.11 | 7.04 | 7.05 | 6.02 | 0.00 | 0.00 | 0.00 | 13.96 | 15.74 |
| WEIGHT - MEAN (gm) | 0.00 | 68.90 | 105.80 | 136.00 | 151.12 | 159.29 | 186.57 | 172.00 | 0.00 | 0.00 | 127.92 | 122.19 |
| - STD. DEV. | 0.00 | 8.61 | 15.45 | 21.47 | 18.39 | 18.01 | 16.46 | 0.00 | 0.00 | 0.00 | 26.96 | 28.36 |

HJORT MATURITY STAGES:

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 2 | 146 | 245 | 3 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.51 | 36.87 | 61.87 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 199 | 0 | 0 | 199 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 197 | 199 | 0 | 396 |
| % | 49.75 | 50.25 | 0.00 | 100.00 |
| MEAN WEIGHT | 120.06 | 124.30 | 0.00 | 122.19 |
| % SAMP. WT. | 48.88 | 51.12 | 0.00 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK

=====

SECTION: 173 - YELLOW POINT

SAMPLE NUMBERS: 80, 79, 66, 83

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 24 DATE: DEC 7/82 - DEC 8/82

SPECIMENS AT EACH AGE:

=====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 5 | 116 | 106 | 37 | 15 | 4 | 4 | 0 | 0 | 111 | 398 |
| % AT AGE | 0.00 | 1.74 | 40.42 | 36.93 | 12.89 | 5.23 | 1.39 | 1.39 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 165.80 | 183.82 | 198.62 | 207.65 | 218.13 | 216.25 | 222.00 | 0.00 | 0.00 | 194.33 | 194.69 |
| - STD. DEV. | 0.00 | 7.36 | 8.07 | 7.79 | 9.48 | 6.64 | 11.81 | 12.70 | 0.00 | 0.00 | 13.47 | 13.98 |
| WEIGHT - MEAN (gm) | 0.00 | 73.80 | 102.40 | 130.22 | 145.78 | 173.87 | 170.25 | 175.00 | 0.00 | 0.00 | 120.36 | 122.60 |
| - STD. DEV. | 0.00 | 7.12 | 11.26 | 18.75 | 21.32 | 21.84 | 31.31 | 34.77 | 0.00 | 0.00 | 27.27 | 27.87 |

HJORT MATURITY STAGES:

=====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 2 | 115 | 250 | 31 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.50 | 28.89 | 62.81 | 7.79 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):

=====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 199 | 0 | 0 | 199 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:

=====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 199 | 199 | 0 | 398 |
| % | 50.00 | 50.00 | 0.00 | 100.00 |
| MEAN WEIGHT | 120.01 | 125.18 | 0.00 | 122.60 |
| % SAMP. WT. | 48.95 | 51.05 | 0.00 | 100.00 |

TABLE 17 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY SECTION AND WEEK
 =====

SECTION: 191 - OTHER AREA 19

SAMPLE NUMBERS: 50, 48, 56, 53

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 22 DATE: NOV 24/82 - NOV 26/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 18 | 114 | 90 | 33 | 10 | 5 | 3 | 3 | 0 | 123 | 399 |
| % AT AGE | 0.00 | 6.52 | 41.30 | 32.61 | 11.96 | 3.62 | 1.81 | 1.09 | 1.09 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 163.94 | 184.54 | 196.54 | 207.58 | 216.60 | 226.40 | 229.00 | 223.33 | 0.00 | 193.59 | 192.97 |
| - STD. DEV. | 0.00 | 9.08 | 9.57 | 10.49 | 10.07 | 9.77 | 5.41 | 2.65 | 6.43 | 0.00 | 13.71 | 15.70 |
| WEIGHT - MEAN(gm) | 0.00 | 69.61 | 100.26 | 121.52 | 147.85 | 171.80 | 198.00 | 189.00 | 193.00 | 0.00 | 116.66 | 117.05 |
| - STD. DEV. | 0.00 | 11.77 | 16.28 | 22.22 | 23.15 | 21.59 | 16.08 | 17.35 | 24.98 | 0.00 | 27.19 | 31.38 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | UNKNOWN |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 32 | 251 | 116 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 8.02 | 62.91 | 29.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 203 | 0 | 0 | 203 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 196 | 203 | 0 | 399 |
| % | 49.12 | 50.88 | 0.00 | 100.00 |
| MEAN WEIGHT | 112.17 | 121.75 | 0.00 | 117.05 |
| % SAMP. WT. | 47.08 | 52.92 | 0.00 | 100.00 |

TABLE 18 INSHORE RESEARCH SAMPLE SUMMARIES BY AREA AND WEEK
 =====

AREA: 13 - QUATHIASKI
 SAMPLE NUMBERS: 11, 14, 30, 2
 SOURCE: RESEARCH - INSHORE
 GEAR: HERRING SEINE
 WEEK: 20 DATE: NOV 10/82 - NOV 11/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 74 | 175 | 55 | 22 | 14 | 3 | 1 | 0 | 0 | 51 | 395 |
| % AT AGE | 0.00 | 21.51 | 50.87 | 15.99 | 6.40 | 4.07 | 0.87 | 0.29 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 152.49 | 171.45 | 179.55 | 190.73 | 201.29 | 186.67 | 210.00 | 0.00 | 0.00 | 180.59 | 172.55 |
| - STD. DEV. | 0.00 | 11.26 | 12.21 | 16.98 | 16.99 | 10.39 | 26.63 | 0.00 | 0.00 | 0.00 | 21.10 | 18.77 |
| WEIGHT - MEAN (gm) | 0.00 | 53.99 | 79.78 | 95.42 | 113.77 | 133.79 | 120.67 | 160.00 | 0.00 | 0.00 | 99.02 | 83.93 |
| - STD. DEV. | 0.00 | 14.14 | 16.63 | 26.64 | 26.86 | 20.74 | 48.95 | 0.00 | 0.00 | 0.00 | 35.59 | 29.48 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|-------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 15 | 83 | 244 | 50 | 2 | 0 | 0 | 0 | 1 |
| % AT STAGE | 3.80 | 21.01 | 61.77 | 12.66 | 0.51 | 0.00 | 0.00 | 0.00 | 0.25 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 216 | 0 | 1 | 217 |
| % | 99.54 | 0.00 | 0.46 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

| SEX RATIO: ===== | SEX RATIO: | | | |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 178 | 217 | 0 | 395 |
| % | 45.06 | 54.94 | 0.00 | 100.00 |
| MEAN WEIGHT | 83.60 | 84.21 | 0.00 | 83.93 |
| % SAMP. WT. | 44.88 | 55.12 | 0.00 | 100.00 |

TABLE 18 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY AREA AND WEEK
 =====

AREA: 13 - QUATHIASKI
 SAMPLE NUMBERS: 7, 5, 1, 8, 10
 SOURCE: RESEARCH - INSHORE
 GEAR: HERRING SEINE
 WEEK: 21 DATE: NOV 15/82 - NOV 18/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 123 | 209 | 53 | 29 | 11 | 2 | 4 | 0 | 0 | 57 | 488 |
| % AT AGE | 0.00 | 28.54 | 48.49 | 12.30 | 6.73 | 2.55 | 0.46 | 0.93 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 148.56 | 174.25 | 186.96 | 200.28 | 210.73 | 214.00 | 211.50 | 0.00 | 0.00 | 171.54 | 171.68 |
| - STD. DEV. | 0.00 | 8.97 | 8.98 | 8.59 | 10.79 | 20.47 | 12.73 | 3.00 | 0.00 | 0.00 | 23.67 | 20.23 |
| WEIGHT - MEAN(gm) | 0.00 | 46.82 | 81.28 | 102.92 | 130.86 | 145.36 | 143.50 | 149.50 | 0.00 | 0.00 | 85.91 | 80.69 |
| - STD. DEV. | 0.00 | 8.46 | 12.91 | 15.28 | 22.79 | 29.57 | 13.44 | 12.79 | 0.00 | 0.00 | 33.34 | 30.62 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|-------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 24 | 101 | 311 | 52 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 4.92 | 20.70 | 63.73 | 10.66 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: ===== | | | | | | | | |
|---------------------------------|---------------------|--------|-------|--------|-------------|--------|----------|--------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | MALE | FEMALE | IMMATURE | TOTAL | |
| NO. | 243 | 0 | 0 | 243 | 244 | 243 | 1 | 488 | |
| % | 100.00 | 0.00 | 0.00 | 100.00 | 50.00 | 49.80 | 0.20 | 100.00 | |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 | MEAN WEIGHT | 80.66 | 80.91 | 36.00 | 80.69 |
| | | | | | % SAMP. WT. | 49.98 | 49.93 | 0.09 | 100.00 |

TABLE 18 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY AREA AND WEEK
 =====

AREA: 13 - QUATHIASKI
 SAMPLE NUMBERS: 62, 59, 57
 SOURCE: RESEARCH - INSHORE
 GEAR: HERRING SEINE
 WEEK: 22 DATE: NOV 22/82 - NOV 23/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 8 | 140 | 49 | 22 | 22 | 5 | 0 | 1 | 0 | 50 | 297 |
| % AT AGE | 0.00 | 3.24 | 56.68 | 19.84 | 8.91 | 8.91 | 2.02 | 0.00 | 0.40 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 155.13 | 174.16 | 191.92 | 200.73 | 200.95 | 201.60 | 0.00 | 218.00 | 0.00 | 188.86 | 183.61 |
| - STD. DEV. | 0.00 | 4.29 | 7.79 | 10.25 | 10.25 | 10.00 | 4.28 | 0.00 | 0.00 | 0.00 | 16.02 | 15.40 |
| WEIGHT - MEAN (gm) | 0.00 | 59.63 | 88.55 | 117.04 | 138.32 | 140.23 | 138.40 | 0.00 | 180.00 | 0.00 | 114.82 | 105.56 |
| - STD. DEV. | 0.00 | 7.69 | 11.70 | 20.11 | 22.66 | 16.91 | 5.90 | 0.00 | 0.00 | 0.00 | 29.11 | 27.66 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 12 | 177 | 108 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 4.04 | 59.60 | 36.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 153 | 0 | 0 | 153 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

| SEX RATIO: ===== | SEX RATIO: | | | |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 144 | 153 | 0 | 297 |
| % | 48.48 | 51.52 | 0.00 | 100.00 |
| MEAN WEIGHT | 102.31 | 108.61 | 0.00 | 105.56 |
| % SAMP. WT. | 47.00 | 53.00 | 0.00 | 100.00 |

TABLE 18 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY AREA AND WEEK
 =====

AREA: 17 - NANAIMO
 SAMPLE NUMBERS: 26, 32, 34
 SOURCE: RESEARCH - INSHORE
 GEAR: HERRING SEINE
 WEEK: 20 DATE: NOV 7/82 - NOV 9/82

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | |
|-------------------|------|--------|--------|--------|--------|--------|--------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | TOTAL |
| NO. AT AGE | 0 | 10 | 99 | 74 | 25 | 13 | 3 | 3 | 0 | 0 | 70 | 297 |
| % AT AGE | 0.00 | 4.41 | 43.61 | 32.60 | 11.01 | 5.73 | 1.32 | 1.32 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 164.30 | 181.74 | 199.69 | 205.96 | 215.23 | 218.00 | 229.00 | 0.00 | 0.00 | 188.43 | 191.55 |
| - STD. DEV. | 0.00 | 8.27 | 8.92 | 9.52 | 9.78 | 8.88 | 9.54 | 6.24 | 0.00 | 0.00 | 26.30 | 19.06 |
| WEIGHT - MEAN(gm) | 0.00 | 73.50 | 105.21 | 138.76 | 155.60 | 178.46 | 179.67 | 214.00 | 0.00 | 0.00 | 123.99 | 126.23 |
| - STD. DEV. | 0.00 | 11.58 | 16.12 | 20.09 | 20.96 | 22.98 | 36.61 | 10.44 | 0.00 | 0.00 | 44.18 | 35.96 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | |
|--------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 11 | 204 | 79 | 0 | 0 | 0 | 0 | 2 |
| % AT STAGE | 0.34 | 3.70 | 68.69 | 26.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 138 | 0 | 0 | 138 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 157 | 138 | 2 | 297 |
| % | 52.86 | 46.46 | 0.67 | 100.00 |
| MEAN WEIGHT | 123.86 | 130.56 | 13.00 | 126.23 |
| % SAMP. WT. | 51.87 | 48.06 | 0.07 | 100.00 |

TABLE 18 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY AREA AND WEEK
 =====

AREA: 17 - NANAIMO
 SAMPLE NUMBERS: 63, 24, 22, 31, 29, 58, 27, 3, 54, 23
 SOURCE: RESEARCH - INSHORE
 GEAR: HERRING SEINE
 WEEK: 21 DATE: NOV 15/82 - NOV 19/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|--------|---------|-------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | | |
| NO. AT AGE | 0 | 54 | 381 | 186 | 88 | 37 | 12 | 14 | 7 | 0 | 209 | 988 | |
| % AT AGE | 0.00 | 6.93 | 48.91 | 23.88 | 11.30 | 4.75 | 1.54 | 1.80 | 0.90 | 0.00 | 0.00 | 100.00 | |
| LENGTH - MEAN (mm) | 0.00 | 159.33 | 182.25 | 198.16 | 206.01 | 213.54 | 217.83 | 227.14 | 228.00 | 0.00 | 192.41 | 190.82 | |
| - STD. DEV. | 0.00 | 8.71 | 9.30 | 10.47 | 8.45 | 9.36 | 7.43 | 8.25 | 10.86 | 0.00 | 15.59 | 17.08 | |
| WEIGHT - MEAN (gm) | 0.00 | 68.72 | 103.08 | 133.72 | 152.09 | 171.00 | 180.83 | 198.50 | 214.00 | 0.00 | 123.04 | 121.18 | |
| - STD. DEV. | 0.00 | 12.76 | 15.67 | 20.58 | 18.07 | 23.75 | 22.13 | 21.21 | 22.36 | 0.00 | 32.84 | 33.89 | |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 3 | 35 | 622 | 328 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.30 | 3.54 | 62.96 | 33.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 506 | 0 | 0 | 506 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

| SEX RATIO: ===== | SEX RATIO: | | | |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 482 | 506 | 0 | 988 |
| % | 48.79 | 51.21 | 0.00 | 100.00 |
| MEAN WEIGHT | 119.03 | 123.24 | 0.00 | 121.18 |
| % SAMP. WT. | 47.92 | 52.08 | 0.00 | 100.00 |

TABLE 18 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY AREA AND WEEK
 =====

AREA: 17 - NANAIMO
 SAMPLE NUMBERS: 60, 67
 SOURCE: RESEARCH - INSHORE
 GEAR: HERRING SEINE
 WEEK: 22 DATE: NOV 25/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|-------|--------|--------|--------|--------|--------|--------|------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 94 | 2 | 14 | 16 | 6 | 4 | 1 | 0 | 1 | 0 | 37 | 175 |
| % AT AGE | 68.12 | 1.45 | 10.14 | 11.59 | 4.35 | 2.90 | 0.72 | 0.00 | 0.72 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 97.07 | 135.50 | 181.21 | 198.88 | 204.00 | 212.25 | 223.00 | 0.00 | 230.00 | 0.00 | 182.00 | 139.29 |
| - STD. DEV. | 5.96 | 13.44 | 8.06 | 8.33 | 10.24 | 6.55 | 0.00 | 0.00 | 0.00 | 0.00 | 32.29 | 49.23 |
| WEIGHT - MEAN(gm) | 13.40 | 39.50 | 104.79 | 136.19 | 156.33 | 162.75 | 195.00 | 0.00 | 223.00 | 0.00 | 115.00 | 64.27 |
| - STD. DEV. | 2.33 | 9.19 | 13.06 | 22.96 | 16.44 | 13.18 | 0.00 | 0.00 | 0.00 | 0.00 | 45.22 | 61.75 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 2 | 0 | 129 | 44 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 1.14 | 0.00 | 73.71 | 25.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | ROE MATURITY | | | TOTAL |
|---------------------------------|--------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | |
| NO. | 34 | 0 | 0 | 34 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

| SEX RATIO: ===== | SEX RATIO | | | TOTAL |
|---------------------|-----------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | |
| NO. | 43 | 34 | 98 | 175 |
| % | 24.57 | 19.43 | 56.00 | 100.00 |
| MEAN WEIGHT | 125.70 | 133.18 | 13.41 | 64.27 |
| % SAMP. WT. | 48.06 | 40.26 | 11.68 | 100.00 |

TABLE 18 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY AREA AND WEEK
 =====

AREA: 17 - NANAIMO
 SAMPLE NUMBERS: 49, 55, 52, 51, 61, 47, 64
 SOURCE: RESEARCH - INSHORE
 GEAR: HERRING SEINE
 WEEK: 23 DATE: NOV 28/82 - DEC 1/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 14 | 248 | 192 | 60 | 20 | 10 | 1 | 2 | 1 | 142 | 690 |
| % AT AGE | 0.00 | 2.55 | 45.26 | 35.04 | 10.95 | 3.65 | 1.82 | 0.18 | 0.36 | 0.18 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 157.86 | 182.50 | 199.44 | 205.75 | 213.10 | 220.90 | 217.00 | 225.50 | 248.00 | 195.87 | 193.20 |
| - STD. DEV. | 0.00 | 10.05 | 10.54 | 9.58 | 8.91 | 7.72 | 5.24 | 0.00 | 4.95 | 0.00 | 13.49 | 15.39 |
| WEIGHT - MEAN (gm) | 0.00 | 67.14 | 104.72 | 132.75 | 147.05 | 161.85 | 184.30 | 172.00 | 194.50 | 239.00 | 124.60 | 122.89 |
| - STD. DEV. | 0.00 | 13.68 | 15.69 | 20.08 | 19.76 | 16.59 | 14.52 | 0.00 | 10.61 | 0.00 | 26.45 | 28.07 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 7 | 304 | 373 | 5 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.14 | 1.01 | 44.06 | 54.06 | 0.72 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | | | | | SEX RATIO: ===== | | | | |
|---------------------------------|----------|--------|-------|--------|---------------------|--------|--------|----------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 362 | 1 | 0 | 363 | NO. | 327 | 363 | 0 | 690 |
| % | 99.72 | 0.28 | 0.00 | 100.00 | % | 47.39 | 52.61 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 | MEAN WEIGHT | 120.56 | 124.99 | 0.00 | 122.89 |
| | | | | | % SAMP. WT. | 46.49 | 53.51 | 0.00 | 100.00 |

TABLE 18 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY AREA AND WEEK
 =====

AREA: 17 - NANAIMO
 SAMPLE NUMBERS: 80, 84, 72, 79, 81, 66, 83, 70
 SOURCE: RESEARCH - INSHORE
 GEAR: HERRING SEINE
 WEEK: 24 DATE: DEC 7/82 - DEC 9/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 95 | 222 | 183 | 67 | 26 | 11 | 8 | 2 | 0 | 179 | 793 |
| % AT AGE | 0.00 | 15.47 | 36.16 | 29.80 | 10.91 | 4.23 | 1.79 | 1.30 | 0.33 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 148.63 | 183.76 | 200.11 | 209.21 | 219.73 | 222.73 | 225.25 | 235.00 | 0.00 | 192.82 | 189.79 |
| - STD. DEV. | 0.00 | 10.14 | 9.62 | 8.88 | 9.18 | 8.17 | 10.64 | 11.52 | 0.00 | 0.00 | 17.17 | 21.65 |
| WEIGHT - MEAN (gm) | 0.00 | 53.53 | 101.40 | 131.27 | 150.61 | 176.96 | 186.27 | 189.38 | 216.00 | 0.00 | 118.20 | 115.34 |
| - STD. DEV. | 0.00 | 11.74 | 14.63 | 19.60 | 20.73 | 19.79 | 28.03 | 28.78 | 26.87 | 0.00 | 30.82 | 37.39 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|------|-------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 9 | 240 | 463 | 81 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 1.13 | 30.26 | 58.39 | 10.21 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | IMMATURE | | | | TOTAL | SEX RATIO: ===== | SEX RATIO | | | |
|---------------------------------|----------|--------|-------|--------|-------------|---------------------|-----------|--------|----------|-------|
| | IMMATURE | MATURE | SPENT | TOTAL | | | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 400 | 1 | 0 | 401 | NO. | 392 | 401 | 0 | 793 | |
| % | 99.75 | 0.25 | 0.00 | 100.00 | % | 49.43 | 50.57 | 0.00 | 100.00 | |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 | MEAN WEIGHT | 113.17 | 117.45 | 0.00 | 115.34 | |
| | | | | | % SAMP. WT. | 48.50 | 51.50 | 0.00 | 100.00 | |

TABLE 18 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY AREA AND WEEK
 =====

AREA: 17 - NANAIMO
 SAMPLE NUMBERS: 82, 78
 SOURCE: RESEARCH - INSHORE
 GEAR: HERRING SEINE
 WEEK: 25 DATE: DEC 13/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|------|--------|------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 10 | 79 | 42 | 12 | 8 | 0 | 2 | 0 | 0 | 46 | 199 |
| % AT AGE | 0.00 | 6.54 | 51.63 | 27.45 | 7.84 | 5.23 | 0.00 | 1.31 | 0.00 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 157.80 | 185.25 | 201.83 | 211.17 | 214.75 | 0.00 | 234.50 | 0.00 | 0.00 | 194.09 | 192.66 |
| - STD. DEV. | 0.00 | 3.91 | 8.94 | 9.48 | 8.16 | 5.18 | 0.00 | 13.44 | 0.00 | 0.00 | 14.98 | 16.34 |
| WEIGHT - MEAN(gm) | 0.00 | 63.70 | 102.16 | 128.45 | 146.75 | 158.00 | 0.00 | 203.00 | 0.00 | 0.00 | 116.83 | 115.12 |
| - STD. DEV. | 0.00 | 5.08 | 13.30 | 19.20 | 19.06 | 16.46 | 0.00 | 48.08 | 0.00 | 0.00 | 24.84 | 27.94 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|-------|-------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 0 | 1 | 10 | 146 | 42 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 0.50 | 5.03 | 73.37 | 21.11 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 92 | 1 | 0 | 93 |
| % | 98.92 | 1.08 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

| SEX RATIO: ===== | SEX RATIO: | | | |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 105 | 93 | 0 | 198 |
| % | 53.03 | 46.97 | 0.00 | 100.00 |
| MEAN WEIGHT | 111.17 | 119.62 | 0.00 | 115.14 |
| % SAMP. WT. | 51.20 | 48.80 | 0.00 | 100.00 |

TABLE 18 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY AREA AND WEEK
 =====

AREA: 17 - NANAIMO

SAMPLE NUMBERS: 9, 8, 7

SOURCE: RESEARCH - INSHORE

GEAR: HERRING SEINE

WEEK: 29 DATE: JAN 13/83 - JAN 15/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 27 | 71 | 79 | 35 | 19 | 5 | 7 | 1 | 1 | 54 | 299 |
| % AT AGE | 0.00 | 11.02 | 28.98 | 32.24 | 14.29 | 7.76 | 2.04 | 2.86 | 0.41 | 0.41 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 155.96 | 182.69 | 197.87 | 206.86 | 213.95 | 218.00 | 218.57 | 237.00 | 216.00 | 192.98 | 192.69 |
| - STD. DEV. | 0.00 | 11.18 | 9.16 | 8.50 | 7.86 | 6.16 | 4.47 | 6.55 | 0.00 | 0.00 | 16.07 | 18.61 |
| WEIGHT - MEAN(gm) | 0.00 | 59.33 | 96.28 | 124.84 | 142.57 | 153.26 | 162.00 | 175.71 | 202.00 | 150.00 | 116.80 | 116.73 |
| - STD. DEV. | 0.00 | 12.64 | 13.19 | 15.61 | 17.90 | 14.51 | 13.73 | 20.92 | 0.00 | 0.00 | 28.31 | 32.33 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | |
|---------------------------------|----------------|------|------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN |
| NO. AT STAGE | 1 | 2 | 21 | 275 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.33 | 0.67 | 7.02 | 91.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 148 | 0 | 0 | 148 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 15.05 | 0.00 | 0.00 | 15.05 |

| SEX RATIO: ===== | SEX RATIO: | | | |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | TOTAL |
| NO. | 151 | 148 | 0 | 299 |
| % | 50.50 | 49.50 | 0.00 | 100.00 |
| MEAN WEIGHT | 113.13 | 120.40 | 0.00 | 116.73 |
| % SAMP. WT. | 48.94 | 51.06 | 0.00 | 100.00 |

TABLE 18 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY AREA AND WEEK
 =====

AREA: 17 - NANAIMO
 SAMPLE NUMBERS: 17, 1, 2, 13, 5, 11, 4, 10, 3, 6
 SOURCE: RESEARCH - INSHORE
 GEAR: HERRING SEINE
 WEEK: 30 DATE: JAN 17/83 - JAN 22/83

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 49 | 292 | 259 | 116 | 37 | 25 | 12 | 10 | 0 | 184 | 984 |
| % AT AGE | 0.00 | 6.13 | 36.50 | 32.38 | 14.50 | 4.63 | 3.13 | 1.50 | 1.25 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 158.39 | 182.13 | 197.91 | 205.64 | 214.00 | 220.36 | 225.50 | 232.00 | 0.00 | 192.79 | 193.07 |
| - STD. DEV. | 0.00 | 10.46 | 10.94 | 10.26 | 8.67 | 8.63 | 9.08 | 6.53 | 7.07 | 0.00 | 17.05 | 17.92 |
| WEIGHT - MEAN (gm) | 0.00 | 63.02 | 95.52 | 123.21 | 139.22 | 160.16 | 171.64 | 182.08 | 195.90 | 0.00 | 114.22 | 116.28 |
| - STD. DEV. | 0.00 | 11.01 | 16.08 | 19.94 | 16.64 | 19.84 | 20.47 | 21.08 | 17.34 | 0.00 | 30.40 | 32.19 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 2 | 5 | 109 | 832 | 36 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.20 | 0.51 | 11.08 | 84.55 | 3.66 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 468 | 5 | 0 | 473 |
| % | 98.94 | 1.06 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 14.48 | 0.22 | 0.00 | 14.70 |

| SEX RATIO: ===== | SEX RATIO: | | | TOTAL |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | |
| NO. | 511 | 473 | 0 | 984 |
| % | 51.93 | 48.07 | 0.00 | 100.00 |
| MEAN WEIGHT | 114.26 | 118.46 | 0.00 | 116.28 |
| % SAMP. WT. | 51.03 | 48.97 | 0.00 | 100.00 |

TABLE 18 (CONT.) INSHORE RESEARCH SAMPLE SUMMARIES BY AREA AND WEEK
 =====

AREA: 19 -
 SAMPLE NUMBERS: 48, 50, 56, 53
 SOURCE: RESEARCH - INSHORE
 GEAR: HERRING SEINE
 WEEK: 22 DATE: NOV 24/82 - NOV 26/82

| SPECIMENS AT EACH AGE: ===== | AGE | | | | | | | | | | UNKNOWN | TOTAL |
|---------------------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | | |
| NO. AT AGE | 0 | 18 | 114 | 90 | 33 | 10 | 5 | 3 | 3 | 0 | 123 | 399 |
| % AT AGE | 0.00 | 6.52 | 41.30 | 32.61 | 11.96 | 3.62 | 1.81 | 1.09 | 1.09 | 0.00 | 0.00 | 100.00 |
| LENGTH - MEAN(mm) | 0.00 | 163.94 | 184.54 | 196.54 | 207.58 | 216.60 | 226.40 | 229.00 | 223.33 | 0.00 | 193.59 | 192.97 |
| - STD. DEV. | 0.00 | 9.08 | 9.57 | 10.49 | 10.07 | 9.77 | 5.41 | 2.65 | 6.43 | 0.00 | 13.71 | 15.70 |
| WEIGHT - MEAN(gm) | 0.00 | 69.61 | 100.26 | 121.52 | 147.85 | 171.80 | 198.00 | 189.00 | 193.00 | 0.00 | 116.66 | 117.05 |
| - STD. DEV. | 0.00 | 11.77 | 16.28 | 22.22 | 23.15 | 21.59 | 16.08 | 17.35 | 24.98 | 0.00 | 27.19 | 31.38 |

| HJORT MATURITY STAGES: ===== | MATURITY STAGE | | | | | | | | UNKNOWN |
|---------------------------------|----------------|------|-------|-------|------|------|------|------|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| NO. AT STAGE | 0 | 32 | 251 | 116 | 0 | 0 | 0 | 0 | 0 |
| % AT STAGE | 0.00 | 8.02 | 62.91 | 29.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| ROE MATURITY (FEMALE): ===== | SEX RATIO: | | | |
|---------------------------------|------------|--------|-------|--------|
| | IMMATURE | MATURE | SPENT | TOTAL |
| NO. | 203 | 0 | 0 | 203 |
| % | 100.00 | 0.00 | 0.00 | 100.00 |
| % SAMPLE WEIGHT | 0.00 | 0.00 | 0.00 | 0.00 |

| SEX RATIO: ===== | SEX RATIO: | | | TOTAL |
|---------------------|------------|--------|----------|--------|
| | MALE | FEMALE | IMMATURE | |
| NO. | 196 | 203 | 0 | 399 |
| % | 49.12 | 50.88 | 0.00 | 100.00 |
| MEAN WEIGHT | 112.17 | 121.75 | 0.00 | 117.05 |
| % SAMP. WT. | 47.08 | 52.92 | 0.00 | 100.00 |

TABLE 19 SEINE COMMERCIAL BAIT SAMPLE SUMMARIES BY AREA
 =====

AREA: 2E - EAST COAST Q.C.I.

SAMPLE NUMBERS: 432,433

SOURCE: BAIT FISHERY

GEAR: HERRING SEINE

DATE: MAY 1/83

SPECIMENS AT EACH AGE:
 =====

| | AGE | | | | | | | | | | | TOTAL |
|--------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10+ | UNKNOWN | |
| NO. AT AGE | 0 | 5 | 55 | 21 | 31 | 13 | 9 | 6 | 7 | 6 | 15 | 168 |
| % AT AGE | 0.00 | 3.27 | 35.95 | 13.73 | 20.26 | 8.50 | 5.88 | 3.92 | 4.58 | 3.92 | 0.00 | 100.00 |
| LENGTH - MEAN (mm) | 0.00 | 150.80 | 184.95 | 191.62 | 211.90 | 219.54 | 223.22 | 231.67 | 240.43 | 249.00 | 202.27 | 202.28 |
| - STD. DEV. | 0.00 | 7.85 | 10.41 | 12.18 | 10.11 | 13.16 | 9.13 | 8.19 | 4.24 | 11.35 | 14.51 | 23.24 |
| WEIGHT - MEAN (gm) | 0.00 | 48.60 | 94.42 | 104.33 | 148.10 | 159.23 | 165.00 | 193.33 | 197.00 | 246.00 | 135.00 | 129.84 |
| - STD. DEV. | 0.00 | 9.74 | 21.21 | 23.92 | 30.10 | 32.54 | 33.85 | 21.39 | 32.28 | 27.94 | 41.02 | 49.35 |

HJORT MATURITY STAGES:
 =====

| | MATURITY STAGE | | | | | | | | | |
|--------------|----------------|------|------|------|-------|------|-------|------|---------|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | UNKNOWN | |
| NO. AT STAGE | 0 | 0 | 0 | 14 | 100 | 16 | 38 | 0 | 0 | |
| % AT STAGE | 0.00 | 0.00 | 0.00 | 8.33 | 59.52 | 9.52 | 22.62 | 0.00 | 0.00 | |

ROE MATURITY (FEMALE):
 =====

| | IMMATURE | MATURE | SPENT | TOTAL |
|-----------------|----------|--------|-------|--------|
| NO. | 10 | 72 | 10 | 92 |
| % | 10.87 | 78.26 | 10.87 | 100.00 |
| % SAMPLE WEIGHT | 1.89 | 24.58 | 0.20 | 26.66 |

SEX RATIO:
 =====

| | MALE | FEMALE | IMMATURE | TOTAL |
|-------------|--------|--------|----------|--------|
| NO. | 76 | 92 | 0 | 168 |
| % | 45.24 | 54.76 | 0.00 | 100.00 |
| MEAN WEIGHT | 111.74 | 144.79 | 0.00 | 129.84 |
| % SAMP. WT. | 38.93 | 61.07 | 0.00 | 100.00 |



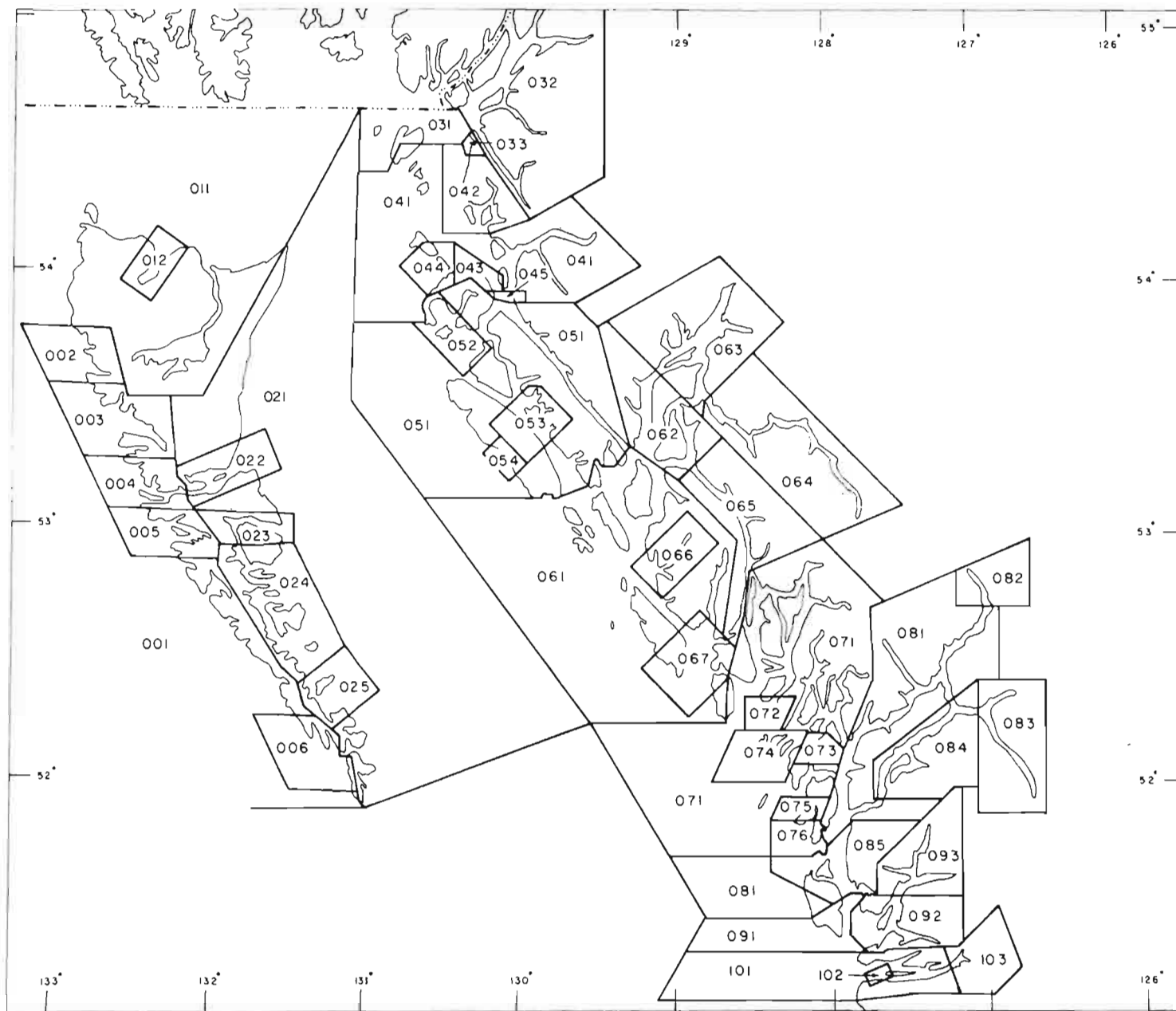


Fig. 1. Herring sections in northern British Columbia.



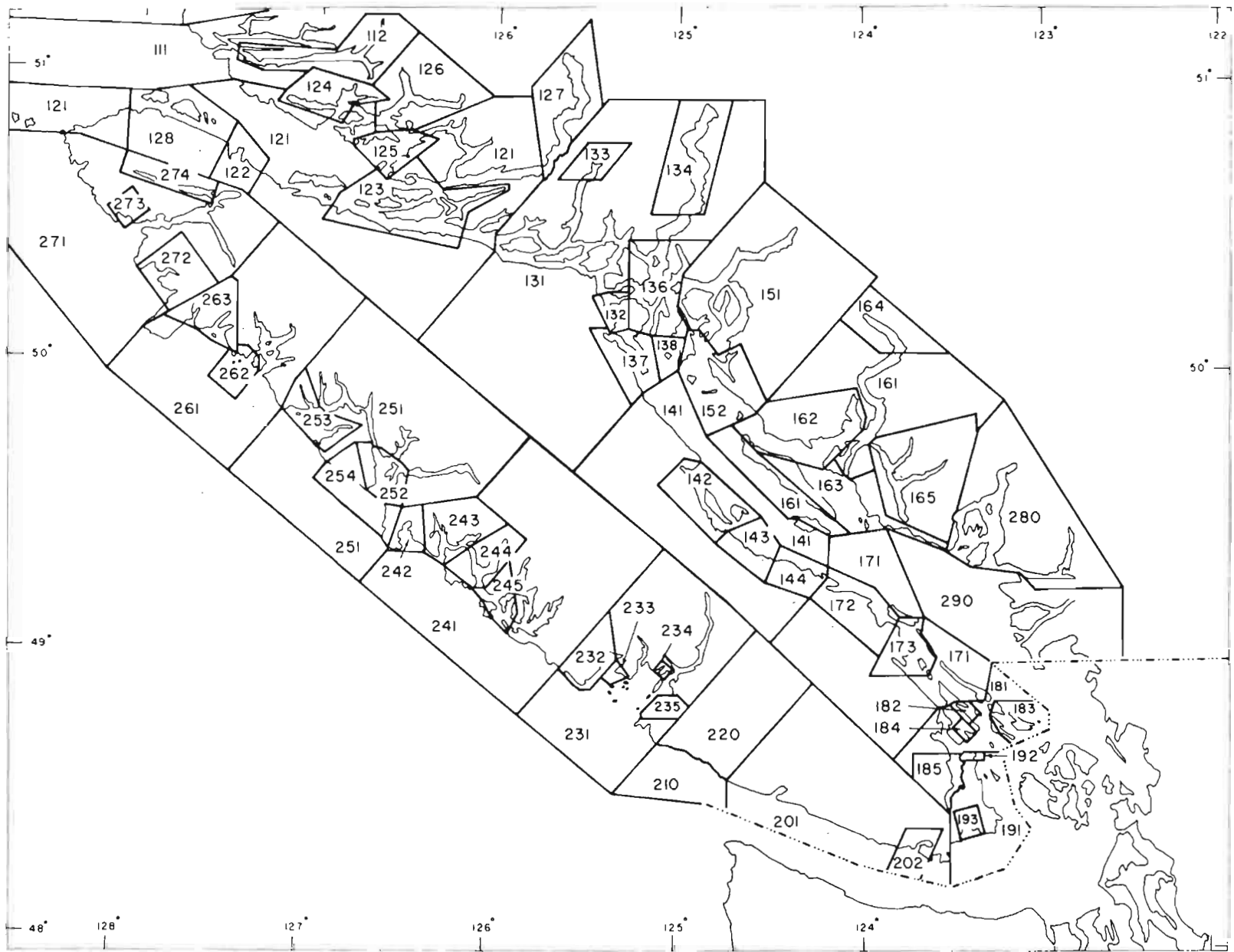
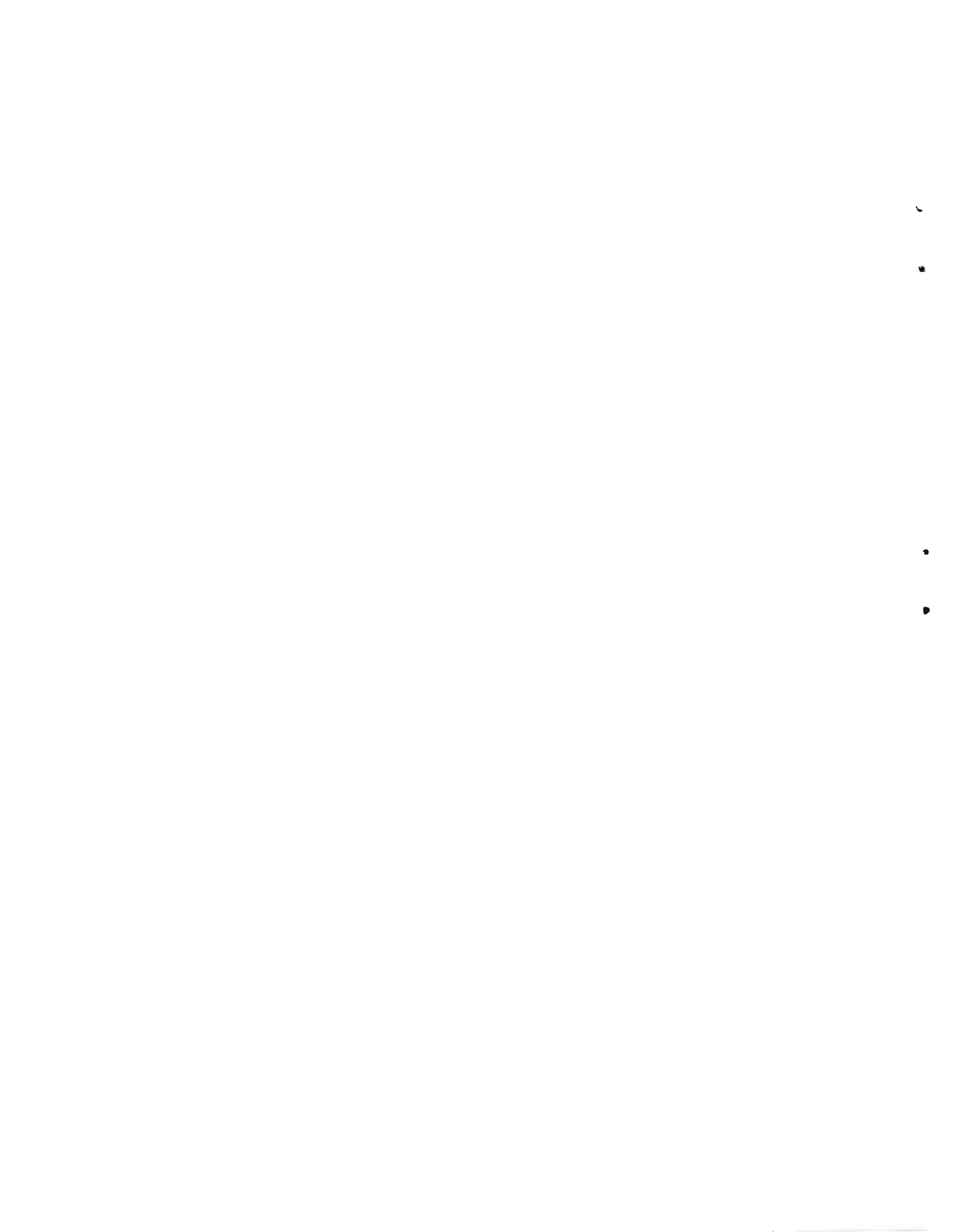


Fig. 2. Herring sections in southern British Columbia.



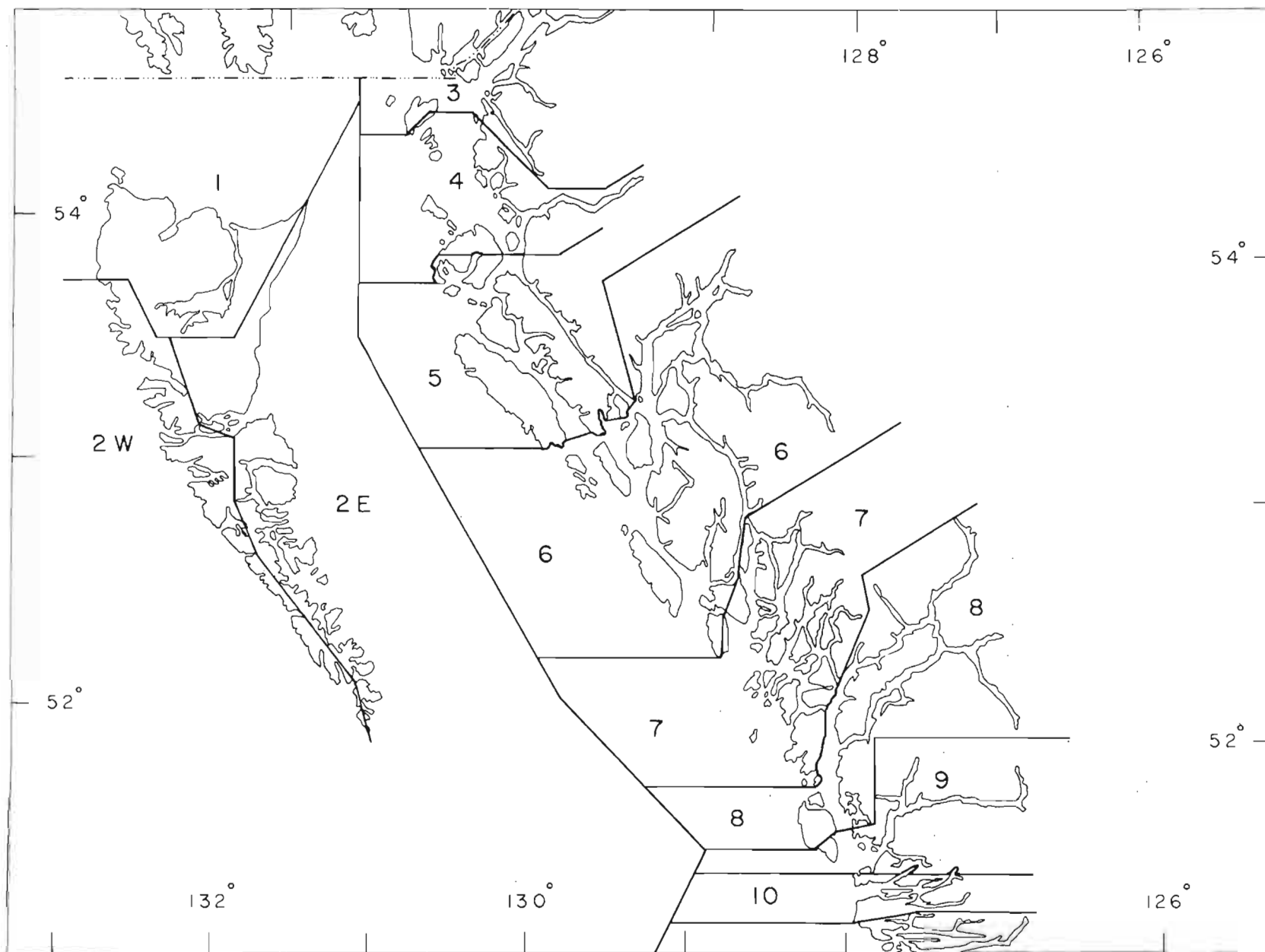


Fig. 3. Statistical areas in northern British Columbia.



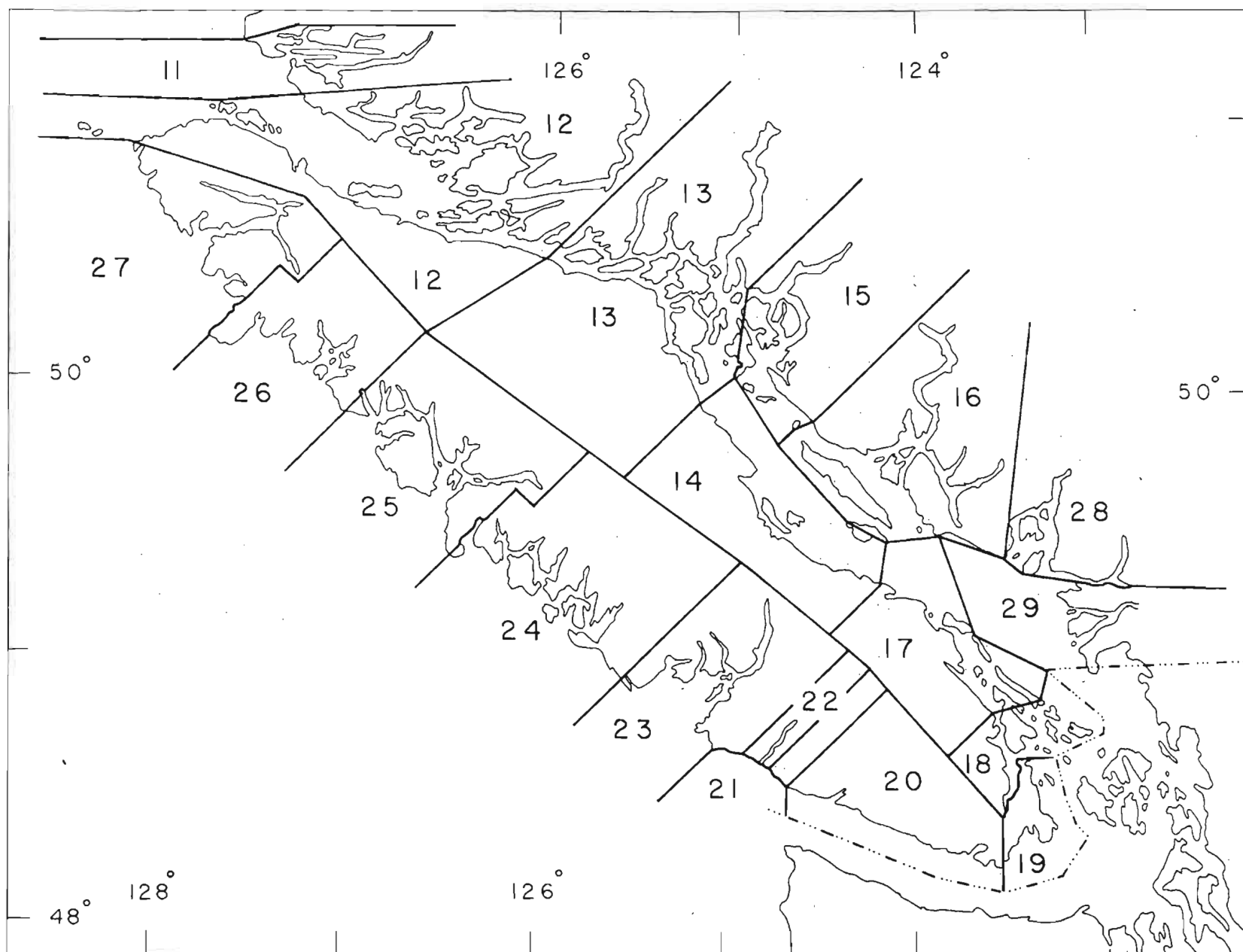


Fig. 4. Statistical areas in southern British Columbia.

